



IES ROAD REPORT

PHOTOMETRIC FILENAME : SFCL-WB-LED-PL1-40.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]DCL-200-90-100W-40K-8-3P

[TESTLAB]Standard-Tech Co., Ltd.

[TESTDATE]2015-08-19

[ISSUEDATE]2016-05-09

[MANUFAC]LSI INDUSTRIES, INC

[LUMCAT]SFCL-WB-LED-PL1-40

[OTHER]TEST PROCEDURE: IESNA LM-79-08

[_ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED

[_SEARCH_SOURCETYPE] LED

[_SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

IES Classification	Type II
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10430
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	99.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3983.38
Maximum Candela Angle	337.5H 7.5V
Maximum Candela (<90 Degrees Vertical)	3983.38
Maximum Candela Angle (<90 Degrees Vertical)	337.5H 7.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	205.81 (2.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1583.7	N.A.	15.2
FM - Front-Medium (30-60)	3142.4	N.A.	30.1
FH - Front-High (60-80)	837.3	N.A.	8.0
FVH - Front-Very High (80-90)	31.9	N.A.	0.3
BL - Back-Low (0-30)	1514.7	N.A.	14.5
BM - Back-Medium (30-60)	2712.5	N.A.	26.0
BH - Back-High (60-80)	573.3	N.A.	5.5
BVH - Back-Very High (80-90)	22.6	N.A.	0.2
UL - Uplight-Low (90-100)	< 0.05	N.A.	0.0
UH - Uplight-High (100-180)	11.7	N.A.	0.1
Total	10430.1	N.A.	100.0
BUG Rating	B3-U2-G2		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0.0</u>	<u>2.5</u>	<u>5.0</u>	<u>7.5</u>	<u>10.0</u>	<u>12.5</u>	<u>15.0</u>	<u>17.5</u>	<u>20.0</u>	<u>22.5</u>
0.0	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01
2.5	3977.31	3977.11	3976.90	3976.70	3976.49	3976.29	3976.08	3975.88	3975.67	3975.47
5.0	3976.72	3976.60	3976.47	3976.35	3976.22	3976.10	3975.97	3975.85	3975.72	3975.60
7.5	3962.66	3963.66	3964.67	3965.67	3966.68	3967.68	3968.69	3969.69	3970.70	3971.70
10.0	3938.14	3939.88	3941.62	3943.36	3945.10	3946.85	3948.59	3950.33	3952.07	3953.81
12.5	3909.27	3912.15	3915.02	3917.90	3920.77	3923.65	3926.52	3929.40	3932.27	3935.15
15.0	3899.23	3900.57	3901.91	3903.26	3904.60	3905.94	3907.28	3908.63	3909.97	3911.31
17.5	3874.97	3874.00	3873.02	3872.05	3871.07	3870.10	3869.13	3868.15	3867.18	3866.21
20.0	3835.88	3833.73	3831.59	3829.44	3827.29	3825.15	3823.00	3820.85	3818.71	3816.56
22.5	3784.38	3782.60	3780.82	3779.05	3777.27	3775.49	3773.71	3771.94	3770.16	3768.38
25.0	3726.08	3725.28	3724.47	3723.67	3722.86	3722.06	3721.25	3720.45	3719.64	3718.84
27.5	3665.80	3663.77	3661.74	3659.72	3657.69	3655.66	3653.64	3651.61	3649.59	3647.56
30.0	3587.27	3584.63	3581.98	3579.34	3576.69	3574.05	3571.40	3568.76	3566.11	3563.47
32.5	3498.12	3495.39	3492.67	3489.95	3487.23	3484.51	3481.79	3479.07	3476.35	3473.63
35.0	3401.57	3400.06	3398.54	3397.03	3395.51	3394.00	3392.48	3390.97	3389.45	3387.94
37.5	3305.54	3302.89	3300.25	3297.61	3294.97	3292.33	3289.69	3287.04	3284.40	3281.76
40.0	3198.60	3196.85	3195.10	3193.34	3191.59	3189.84	3188.09	3186.33	3184.58	3182.83
42.5	3092.81	3090.28	3087.75	3085.22	3082.70	3080.17	3077.64	3075.11	3072.59	3070.06
45.0	2969.97	2966.88	2963.79	2960.70	2957.61	2954.51	2951.42	2948.33	2945.24	2942.15
47.5	2833.59	2831.34	2829.09	2826.84	2824.59	2822.34	2820.09	2817.84	2815.59	2813.35
50.0	2680.97	2679.30	2677.63	2675.96	2674.29	2672.63	2670.96	2669.29	2667.62	2665.95
52.5	2493.33	2493.75	2494.17	2494.59	2495.00	2495.42	2495.84	2496.26	2496.68	2497.10
55.0	2283.10	2284.48	2285.86	2287.23	2288.61	2289.99	2291.37	2292.74	2294.12	2295.50
57.5	2033.91	2037.08	2040.24	2043.41	2046.57	2049.74	2052.90	2056.07	2059.23	2062.39
60.0	1770.08	1772.74	1775.41	1778.07	1780.73	1783.40	1786.06	1788.72	1791.39	1794.05
62.5	1496.94	1498.36	1499.77	1501.19	1502.60	1504.02	1505.43	1506.85	1508.26	1509.68
65.0	1215.73	1217.54	1219.35	1221.16	1222.97	1224.77	1226.58	1228.39	1230.20	1232.01
67.5	953.28	955.63	957.98	960.33	962.68	965.03	967.39	969.74	972.09	974.44
70.0	723.15	725.55	727.95	730.35	732.75	735.15	737.55	739.95	742.35	744.75
72.5	528.65	531.12	533.59	536.06	538.53	541.00	543.47	545.94	548.41	550.89
75.0	365.38	367.81	370.24	372.66	375.09	377.52	379.95	382.37	384.80	387.23
77.5	237.90	239.99	242.08	244.17	246.26	248.36	250.45	252.54	254.63	256.72
80.0	136.68	138.71	140.74	142.78	144.81	146.84	148.87	150.91	152.94	154.97
82.5	63.11	64.63	66.15	67.68	69.20	70.73	72.25	73.78	75.30	76.83
85.0	17.21	18.09	18.96	19.84	20.71	21.59	22.46	23.34	24.21	25.09
87.5	2.03	2.15	2.28	2.41	2.54	2.67	2.80	2.93	3.06	3.19
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117.5	0.22	0.23	0.23	0.24	0.24	0.25	0.26	0.26	0.27	0.28
120.0	0.33	0.36	0.38	0.41	0.43	0.46	0.48	0.51	0.53	0.56
122.5	0.66	0.66	0.66	0.65	0.65	0.65	0.65	0.64	0.64	0.64
125.0	1.10	1.06	1.03	0.99	0.96	0.92	0.89	0.85	0.82	0.78
127.5	1.31	1.27	1.24	1.21	1.17	1.14	1.11	1.07	1.04	1.01
130.0	1.50	1.48	1.46	1.44	1.42	1.41	1.39	1.37	1.35	1.33

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CANDELA TABULATION - (Cont.)

132.5	1.67	1.66	1.65	1.65	1.64	1.64	1.63	1.63	1.62	1.62
135.0	2.05	2.04	2.03	2.02	2.01	1.99	1.98	1.97	1.96	1.95
137.5	2.20	2.19	2.19	2.18	2.18	2.17	2.17	2.16	2.16	2.15
140.0	2.27	2.28	2.29	2.29	2.30	2.31	2.32	2.32	2.33	2.34
142.5	2.61	2.60	2.59	2.58	2.57	2.55	2.54	2.53	2.52	2.51
145.0	3.05	3.03	3.00	2.98	2.96	2.93	2.91	2.89	2.86	2.84
147.5	3.25	3.23	3.21	3.19	3.17	3.15	3.13	3.11	3.09	3.07
150.0	3.39	3.37	3.34	3.32	3.30	3.27	3.25	3.23	3.20	3.18
152.5	3.80	3.77	3.74	3.71	3.67	3.64	3.61	3.58	3.55	3.52
155.0	3.94	3.93	3.92	3.91	3.90	3.89	3.88	3.87	3.86	3.85
157.5	4.19	4.18	4.18	4.17	4.16	4.15	4.15	4.14	4.13	4.13
160.0	4.44	4.44	4.43	4.43	4.43	4.42	4.42	4.42	4.41	4.41
162.5	4.75	4.74	4.74	4.73	4.73	4.73	4.72	4.72	4.71	4.71
165.0	4.94	4.95	4.96	4.97	4.98	4.98	4.99	5.00	5.01	5.02
167.5	5.30	5.30	5.30	5.30	5.30	5.30	5.30	5.30	5.30	5.30
170.0	5.71	5.71	5.71	5.70	5.70	5.70	5.70	5.69	5.69	5.69
172.5	5.83	5.82	5.82	5.81	5.81	5.80	5.79	5.79	5.78	5.78
175.0	6.16	6.17	6.18	6.19	6.20	6.20	6.21	6.22	6.23	6.24
177.5	6.34	6.33	6.33	6.33	6.32	6.32	6.32	6.32	6.31	6.31
180.0	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00

Vert. Angles	Horizontal Angles									
	<u>25.0</u>	<u>27.5</u>	<u>30.0</u>	<u>32.5</u>	<u>35.0</u>	<u>37.5</u>	<u>40.0</u>	<u>42.5</u>	<u>45.0</u>	<u>47.5</u>
0.0	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01
2.5	3975.15	3974.84	3974.52	3974.20	3973.89	3973.57	3973.25	3972.94	3972.62	3970.81
5.0	3974.33	3973.05	3971.78	3970.51	3969.23	3967.96	3966.69	3965.41	3964.14	3961.90
7.5	3969.02	3966.34	3963.66	3960.97	3958.29	3955.61	3952.93	3950.25	3947.57	3944.92
10.0	3951.25	3948.70	3946.14	3943.59	3941.03	3938.48	3935.92	3933.37	3930.81	3928.29
12.5	3931.34	3927.53	3923.73	3919.92	3916.12	3912.31	3908.51	3904.70	3900.90	3897.96
15.0	3906.29	3901.27	3896.25	3891.23	3886.20	3881.18	3876.16	3871.14	3866.12	3863.80
17.5	3862.88	3859.56	3856.24	3852.91	3849.59	3846.27	3842.94	3839.62	3836.30	3832.82
20.0	3813.88	3811.20	3808.52	3805.84	3803.17	3800.49	3797.81	3795.13	3792.45	3788.88
22.5	3765.03	3761.68	3758.33	3754.98	3751.63	3748.28	3744.93	3741.58	3738.23	3733.09
25.0	3712.71	3706.58	3700.45	3694.32	3688.20	3682.07	3675.94	3669.81	3663.68	3659.01
27.5	3641.89	3636.22	3630.55	3624.88	3619.21	3613.54	3607.87	3602.20	3596.53	3591.47
30.0	3558.86	3554.25	3549.65	3545.04	3540.43	3535.82	3531.22	3526.61	3522.00	3515.20
32.5	3468.40	3463.18	3457.95	3452.73	3447.50	3442.28	3437.05	3431.83	3426.61	3419.88
35.0	3381.76	3375.58	3369.40	3363.22	3357.05	3350.87	3344.69	3338.51	3332.33	3325.16
37.5	3275.91	3270.05	3264.20	3258.35	3252.50	3246.64	3240.79	3234.94	3229.09	3222.56
40.0	3175.50	3168.18	3160.85	3153.52	3146.20	3138.87	3131.54	3124.22	3116.89	3109.63
42.5	3061.81	3053.55	3045.30	3037.04	3028.79	3020.54	3012.28	3004.03	2995.78	2988.41
45.0	2934.50	2926.86	2919.21	2911.56	2903.92	2896.27	2888.62	2880.98	2873.33	2865.17
47.5	2805.09	2796.84	2788.59	2780.34	2772.09	2763.84	2755.59	2747.34	2739.09	2730.43
50.0	2657.33	2648.71	2640.09	2631.47	2622.86	2614.24	2605.62	2597.00	2588.38	2578.90
52.5	2490.56	2484.02	2477.49	2470.95	2464.42	2457.88	2451.35	2444.81	2438.28	2427.12
55.0	2291.97	2288.44	2284.91	2281.38	2277.85	2274.32	2270.79	2267.26	2263.73	2252.11
57.5	2061.35	2060.30	2059.26	2058.21	2057.17	2056.12	2055.08	2054.03	2052.98	2040.65
60.0	1795.15	1796.24	1797.34	1798.44	1799.53	1800.63	1801.73	1802.82	1803.92	1792.03
62.5	1512.35	1515.03	1517.70	1520.38	1523.05	1525.73	1528.40	1531.08	1533.75	1524.11
65.0	1235.25	1238.50	1241.74	1244.99	1248.23	1251.48	1254.72	1257.97	1261.21	1254.43
67.5	977.62	980.79	983.97	987.15	990.33	993.50	996.68	999.86	1003.04	999.60
70.0	747.98	751.22	754.45	757.68	760.92	764.15	767.38	770.62	773.85	772.89
72.5	553.99	557.09	560.19	563.29	566.39	569.49	572.59	575.69	578.79	579.68
75.0	390.53	393.82	397.12	400.41	403.71	407.00	410.30	413.59	416.89	418.84
77.5	260.17	263.62	267.06	270.51	273.96	277.41	280.85	284.30	287.75	290.13

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CANDELA TABULATION - (Cont.)

80.0	158.18	161.40	164.61	167.82	171.04	174.25	177.46	180.68	183.89	186.33
82.5	79.88	82.93	85.98	89.03	92.08	95.14	98.19	101.24	104.29	106.75
85.0	27.29	29.48	31.68	33.87	36.07	38.26	40.46	42.65	44.85	47.45
87.5	3.76	4.33	4.90	5.47	6.04	6.61	7.18	7.75	8.32	9.51
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.5	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.13
110.0	0.06	0.11	0.17	0.22	0.28	0.33	0.39	0.44	0.50	0.51
112.5	0.07	0.15	0.22	0.30	0.37	0.44	0.52	0.59	0.67	0.75
115.0	0.09	0.17	0.26	0.35	0.43	0.52	0.61	0.69	0.78	0.90
117.5	0.34	0.41	0.47	0.54	0.60	0.67	0.73	0.80	0.87	0.98
120.0	0.59	0.62	0.65	0.68	0.72	0.75	0.78	0.81	0.84	0.96
122.5	0.66	0.68	0.71	0.73	0.75	0.77	0.80	0.82	0.84	0.96
125.0	0.80	0.82	0.83	0.85	0.87	0.89	0.90	0.92	0.94	1.05
127.5	1.02	1.04	1.05	1.07	1.08	1.10	1.11	1.13	1.14	1.22
130.0	1.32	1.32	1.31	1.31	1.30	1.30	1.29	1.29	1.28	1.34
132.5	1.60	1.58	1.56	1.54	1.52	1.50	1.48	1.46	1.45	1.49
135.0	1.91	1.86	1.82	1.78	1.73	1.69	1.65	1.60	1.56	1.62
137.5	2.10	2.05	2.00	1.95	1.90	1.85	1.80	1.75	1.70	1.75
140.0	2.31	2.28	2.24	2.21	2.18	2.15	2.11	2.08	2.05	2.08
142.5	2.48	2.45	2.43	2.40	2.37	2.34	2.31	2.28	2.26	2.28
145.0	2.81	2.78	2.75	2.72	2.68	2.65	2.62	2.59	2.56	2.57
147.5	3.06	3.04	3.03	3.01	3.00	2.99	2.97	2.96	2.95	2.95
150.0	3.18	3.18	3.18	3.18	3.17	3.17	3.17	3.17	3.17	3.17
152.5	3.50	3.49	3.47	3.46	3.45	3.43	3.42	3.40	3.39	3.38
155.0	3.86	3.87	3.88	3.89	3.91	3.92	3.93	3.94	3.95	3.92
157.5	4.11	4.10	4.09	4.07	4.06	4.05	4.03	4.02	4.01	4.00
160.0	4.38	4.36	4.33	4.30	4.28	4.25	4.22	4.20	4.17	4.17
162.5	4.68	4.65	4.61	4.58	4.55	4.52	4.48	4.45	4.42	4.41
165.0	4.99	4.97	4.94	4.92	4.89	4.87	4.84	4.82	4.79	4.78
167.5	5.27	5.24	5.22	5.19	5.17	5.14	5.12	5.09	5.07	5.06
170.0	5.64	5.59	5.54	5.49	5.43	5.38	5.33	5.28	5.23	5.24
172.5	5.75	5.72	5.70	5.67	5.64	5.62	5.59	5.57	5.54	5.56
175.0	6.21	6.18	6.14	6.11	6.08	6.05	6.01	5.98	5.95	5.94
177.5	6.29	6.26	6.24	6.21	6.19	6.17	6.14	6.12	6.10	6.08
180.0	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00

Vert. Horizontal Angles
Angles

	<u>50.0</u>	<u>52.5</u>	<u>55.0</u>	<u>57.5</u>	<u>60.0</u>	<u>62.5</u>	<u>65.0</u>	<u>67.5</u>	<u>70.0</u>	<u>72.5</u>
0.0	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01
2.5	3969.00	3967.19	3965.38	3963.57	3961.76	3959.95	3958.14	3956.34	3956.15	3955.97
5.0	3959.66	3957.42	3955.18	3952.93	3950.69	3948.45	3946.21	3943.97	3943.23	3942.50
7.5	3942.27	3939.62	3936.97	3934.32	3931.67	3929.02	3926.37	3923.72	3923.40	3923.08
10.0	3925.77	3923.25	3920.73	3918.22	3915.70	3913.18	3910.66	3908.14	3905.68	3903.23
12.5	3895.02	3892.08	3889.14	3886.20	3883.26	3880.32	3877.38	3874.44	3870.34	3866.23
15.0	3861.48	3859.16	3856.84	3854.52	3852.20	3849.88	3847.56	3845.24	3840.57	3835.90
17.5	3829.34	3825.86	3822.38	3818.90	3815.43	3811.95	3808.47	3804.99	3799.42	3793.85
20.0	3785.31	3781.74	3778.17	3774.61	3771.04	3767.47	3763.90	3760.33	3753.55	3746.76
22.5	3727.95	3722.81	3717.67	3712.53	3707.39	3702.25	3697.11	3691.97	3683.39	3674.80
25.0	3654.35	3649.68	3645.01	3640.35	3635.68	3631.01	3626.35	3621.68	3611.69	3601.70

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

27.5	3586.42	3581.36	3576.31	3571.25	3566.20	3561.14	3556.09	3551.03	3542.31	3533.59
30.0	3508.40	3501.60	3494.80	3488.00	3481.20	3474.40	3467.60	3460.80	3454.41	3448.02
32.5	3413.16	3406.43	3399.71	3392.98	3386.26	3379.53	3372.81	3366.08	3358.33	3350.58
35.0	3317.99	3310.82	3303.65	3296.48	3289.31	3282.14	3274.97	3267.80	3258.78	3249.76
37.5	3216.03	3209.50	3202.97	3196.44	3189.91	3183.38	3176.85	3170.33	3158.90	3147.48
40.0	3102.37	3095.11	3087.85	3080.58	3073.32	3066.06	3058.80	3051.54	3040.38	3029.21
42.5	2981.05	2973.69	2966.33	2958.96	2951.60	2944.24	2936.88	2929.52	2917.60	2905.68
45.0	2857.01	2848.85	2840.69	2832.52	2824.36	2816.20	2808.04	2799.88	2787.76	2775.64
47.5	2721.76	2713.10	2704.43	2695.76	2687.10	2678.44	2669.77	2661.11	2647.93	2634.76
50.0	2569.43	2559.95	2550.48	2541.00	2531.53	2522.05	2512.58	2503.10	2489.91	2476.73
52.5	2415.97	2404.82	2393.67	2382.52	2371.37	2360.22	2349.07	2337.92	2324.48	2311.04
55.0	2240.48	2228.86	2217.23	2205.61	2193.98	2182.36	2170.73	2159.11	2144.33	2129.56
57.5	2028.31	2015.97	2003.63	1991.29	1978.95	1966.62	1954.28	1941.94	1926.24	1910.53
60.0	1780.14	1768.24	1756.35	1744.46	1732.57	1720.67	1708.78	1696.89	1681.04	1665.19
62.5	1514.46	1504.82	1495.18	1485.54	1475.89	1466.25	1456.61	1446.97	1431.35	1415.73
65.0	1247.65	1240.87	1234.09	1227.30	1220.52	1213.74	1206.96	1200.18	1186.95	1173.72
67.5	996.16	992.72	989.28	985.84	982.40	978.96	975.52	972.09	961.43	950.77
70.0	771.92	770.96	770.00	769.03	768.07	767.11	766.14	765.18	756.82	748.46
72.5	580.57	581.46	582.35	583.24	584.13	585.02	585.91	586.81	580.33	573.85
75.0	420.79	422.73	424.68	426.63	428.58	430.52	432.47	434.42	429.47	424.51
77.5	292.51	294.89	297.27	299.65	302.03	304.41	306.79	309.18	305.40	301.63
80.0	188.76	191.20	193.63	196.07	198.50	200.94	203.37	205.81	203.26	200.71
82.5	109.20	111.66	114.12	116.58	119.03	121.49	123.95	126.41	125.20	123.99
85.0	50.05	52.65	55.25	57.85	60.45	63.05	65.65	68.25	67.86	67.48
87.5	10.70	11.89	13.08	14.28	15.47	16.66	17.85	19.04	18.93	18.82
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.06
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.11
107.5	0.18	0.23	0.28	0.33	0.38	0.43	0.48	0.53	0.62	0.71
110.0	0.52	0.54	0.55	0.56	0.57	0.59	0.60	0.61	0.73	0.84
112.5	0.84	0.92	1.01	1.10	1.18	1.27	1.35	1.44	1.52	1.60
115.0	1.03	1.15	1.27	1.40	1.52	1.64	1.77	1.89	1.93	1.97
117.5	1.10	1.22	1.33	1.45	1.57	1.69	1.80	1.92	1.96	2.00
120.0	1.07	1.19	1.31	1.42	1.54	1.66	1.77	1.89	1.94	1.99
122.5	1.07	1.19	1.31	1.42	1.54	1.66	1.77	1.89	1.94	2.00
125.0	1.15	1.26	1.36	1.47	1.57	1.68	1.78	1.89	1.97	2.05
127.5	1.30	1.38	1.46	1.54	1.62	1.70	1.78	1.87	1.96	2.06
130.0	1.40	1.47	1.53	1.59	1.65	1.72	1.78	1.84	1.97	2.10
132.5	1.54	1.59	1.64	1.69	1.74	1.79	1.84	1.89	2.06	2.23
135.0	1.68	1.74	1.80	1.87	1.93	1.99	2.05	2.11	2.29	2.46
137.5	1.81	1.87	1.93	1.99	2.05	2.11	2.17	2.23	2.41	2.59
140.0	2.10	2.13	2.15	2.18	2.20	2.23	2.25	2.28	2.47	2.67
142.5	2.30	2.33	2.35	2.38	2.40	2.43	2.45	2.48	2.67	2.86
145.0	2.57	2.58	2.59	2.59	2.60	2.61	2.61	2.62	2.85	3.08
147.5	2.95	2.96	2.96	2.96	2.97	2.97	2.97	2.98	3.18	3.39
150.0	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.39	3.62
152.5	3.37	3.36	3.35	3.35	3.34	3.33	3.32	3.31	3.53	3.75
155.0	3.89	3.86	3.83	3.79	3.76	3.73	3.70	3.67	3.85	4.03
157.5	4.00	4.00	3.99	3.99	3.99	3.99	3.98	3.98	4.12	4.27
160.0	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.30	4.42
162.5	4.40	4.39	4.37	4.36	4.35	4.34	4.33	4.32	4.49	4.67
165.0	4.77	4.75	4.74	4.73	4.72	4.70	4.69	4.68	4.87	5.06

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CANDELA TABULATION - (Cont.)

167.5	5.05	5.05	5.04	5.03	5.03	5.02	5.02	5.01	5.17	5.33
170.0	5.24	5.25	5.26	5.26	5.27	5.28	5.28	5.29	5.44	5.59
172.5	5.58	5.60	5.61	5.63	5.65	5.67	5.69	5.71	5.80	5.90
175.0	5.93	5.92	5.91	5.89	5.88	5.87	5.86	5.85	5.92	5.98
177.5	6.07	6.05	6.04	6.02	6.01	5.99	5.98	5.96	5.99	6.02
180.0	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00

Vert. Angles	Horizontal Angles									
	75.0	77.5	80.0	82.5	85.0	87.5	90.0	92.5	95.0	97.5
0.0	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01
2.5	3955.79	3955.60	3955.42	3955.24	3955.05	3954.87	3954.69	3953.57	3952.45	3951.33
5.0	3941.76	3941.02	3940.29	3939.55	3938.81	3938.08	3937.34	3936.41	3935.48	3934.54
7.5	3922.76	3922.44	3922.12	3921.81	3921.49	3921.17	3920.85	3918.97	3917.08	3915.20
10.0	3900.77	3898.32	3895.86	3893.41	3890.95	3888.50	3886.04	3883.82	3881.61	3879.39
12.5	3862.13	3858.03	3853.93	3849.82	3845.72	3841.62	3837.52	3835.91	3834.31	3832.70
15.0	3831.23	3826.56	3821.89	3817.22	3812.55	3807.88	3803.21	3800.89	3798.57	3796.25
17.5	3788.29	3782.72	3777.15	3771.58	3766.01	3760.44	3754.88	3750.94	3747.01	3743.08
20.0	3739.98	3733.19	3726.41	3719.62	3712.84	3706.05	3699.27	3693.50	3687.72	3681.95
22.5	3666.22	3657.64	3649.06	3640.47	3631.89	3623.31	3614.73	3610.03	3605.34	3600.65
25.0	3591.71	3581.72	3571.72	3561.73	3551.74	3541.75	3531.76	3527.71	3523.67	3519.62
27.5	3524.88	3516.16	3507.44	3498.72	3490.01	3481.29	3472.57	3464.80	3457.03	3449.27
30.0	3441.64	3435.25	3428.86	3422.47	3416.09	3409.70	3403.31	3392.89	3382.46	3372.04
32.5	3342.83	3335.08	3327.32	3319.57	3311.82	3304.07	3296.32	3286.59	3276.85	3267.12
35.0	3240.73	3231.71	3222.69	3213.67	3204.64	3195.62	3186.60	3176.45	3166.30	3156.15
37.5	3136.06	3124.64	3113.22	3101.80	3090.37	3078.95	3067.53	3058.46	3049.39	3040.32
40.0	3018.05	3006.89	2995.72	2984.56	2973.40	2962.23	2951.07	2940.02	2928.96	2917.91
42.5	2893.76	2881.85	2869.93	2858.01	2846.09	2834.18	2822.26	2810.69	2799.12	2787.55
45.0	2763.52	2751.40	2739.27	2727.15	2715.03	2702.91	2690.79	2678.06	2665.33	2652.61
47.5	2621.58	2608.41	2595.23	2582.06	2568.88	2555.71	2542.53	2529.86	2517.18	2504.51
50.0	2463.54	2450.35	2437.17	2423.98	2410.79	2397.61	2384.42	2371.19	2357.96	2344.74
52.5	2297.60	2284.16	2270.73	2257.29	2243.85	2230.41	2216.98	2202.54	2188.10	2173.66
55.0	2114.78	2100.00	2085.23	2070.45	2055.67	2040.90	2026.12	2010.02	1993.92	1977.82
57.5	1894.83	1879.13	1863.43	1847.72	1832.02	1816.32	1800.61	1784.81	1769.00	1753.19
60.0	1649.35	1633.50	1617.65	1601.80	1585.96	1570.11	1554.26	1538.63	1523.01	1507.38
62.5	1400.11	1384.49	1368.87	1353.25	1337.63	1322.01	1306.39	1292.49	1278.60	1264.71
65.0	1160.50	1147.27	1134.04	1120.81	1107.59	1094.36	1081.13	1068.59	1056.05	1043.51
67.5	940.12	929.46	918.81	908.15	897.50	886.84	876.19	864.85	853.52	842.19
70.0	740.10	731.74	723.37	715.01	706.65	698.29	689.93	680.02	670.12	660.21
72.5	567.38	560.90	554.42	547.95	541.47	534.99	528.52	519.90	511.28	502.66
75.0	419.56	414.60	409.65	404.69	399.74	394.78	389.83	382.81	375.80	368.78
77.5	297.86	294.08	290.31	286.54	282.76	278.99	275.22	269.81	264.40	258.99
80.0	198.16	195.61	193.06	190.51	187.96	185.41	182.86	178.90	174.95	170.99
82.5	122.78	121.57	120.36	119.16	117.95	116.74	115.53	112.71	109.90	107.08
85.0	67.09	66.71	66.32	65.94	65.55	65.17	64.78	62.80	60.83	58.85
87.5	18.71	18.60	18.49	18.38	18.27	18.16	18.05	17.23	16.40	15.58
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02
100.0	0.04	0.05	0.06	0.07	0.09	0.10	0.11	0.11	0.11	0.11
102.5	0.09	0.12	0.16	0.19	0.22	0.25	0.28	0.30	0.32	0.34
105.0	0.17	0.22	0.28	0.33	0.39	0.44	0.50	0.54	0.59	0.63
107.5	0.80	0.89	0.98	1.08	1.17	1.26	1.35	1.32	1.30	1.27
110.0	0.96	1.08	1.19	1.31	1.43	1.54	1.66	1.62	1.59	1.55
112.5	1.68	1.76	1.84	1.92	2.00	2.08	2.16	2.10	2.05	2.00

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CANDELA TABULATION - (Cont.)

115.0	2.01	2.05	2.10	2.14	2.18	2.22	2.26	2.21	2.15	2.10
117.5	2.03	2.07	2.11	2.15	2.18	2.22	2.26	2.23	2.21	2.18
120.0	2.03	2.08	2.13	2.18	2.22	2.27	2.32	2.31	2.31	2.30
122.5	2.05	2.10	2.16	2.21	2.26	2.32	2.37	2.36	2.36	2.35
125.0	2.12	2.20	2.28	2.36	2.43	2.51	2.59	2.58	2.57	2.56
127.5	2.15	2.25	2.35	2.44	2.54	2.63	2.73	2.72	2.71	2.71
130.0	2.24	2.37	2.50	2.63	2.77	2.90	3.03	3.01	3.00	2.98
132.5	2.40	2.57	2.74	2.91	3.08	3.25	3.42	3.38	3.34	3.31
135.0	2.64	2.82	2.99	3.17	3.35	3.52	3.70	3.68	3.66	3.65
137.5	2.77	2.95	3.14	3.32	3.50	3.68	3.87	3.84	3.82	3.80
140.0	2.86	3.05	3.25	3.44	3.63	3.83	4.02	4.02	4.01	4.01
142.5	3.06	3.25	3.44	3.64	3.83	4.03	4.22	4.22	4.22	4.22
145.0	3.31	3.54	3.77	4.00	4.23	4.46	4.69	4.65	4.62	4.58
147.5	3.59	3.80	4.00	4.21	4.41	4.62	4.83	4.81	4.79	4.78
150.0	3.84	4.06	4.29	4.51	4.73	4.96	5.18	5.16	5.15	5.13
152.5	3.97	4.19	4.41	4.63	4.85	5.07	5.29	5.29	5.30	5.30
155.0	4.21	4.39	4.57	4.75	4.93	5.11	5.29	5.34	5.39	5.44
157.5	4.41	4.55	4.69	4.84	4.98	5.12	5.27	5.33	5.39	5.45
160.0	4.55	4.67	4.80	4.92	5.05	5.17	5.30	5.36	5.41	5.47
162.5	4.85	5.02	5.20	5.38	5.55	5.73	5.91	5.90	5.89	5.88
165.0	5.25	5.44	5.64	5.83	6.02	6.21	6.40	6.36	6.32	6.28
167.5	5.49	5.65	5.81	5.97	6.13	6.29	6.45	6.44	6.42	6.41
170.0	5.73	5.88	6.03	6.18	6.32	6.47	6.62	6.59	6.55	6.52
172.5	5.99	6.09	6.18	6.28	6.37	6.47	6.57	6.54	6.51	6.48
175.0	6.05	6.12	6.18	6.25	6.32	6.38	6.45	6.43	6.42	6.40
177.5	6.05	6.08	6.11	6.14	6.17	6.20	6.23	6.22	6.21	6.20
180.0	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00

Vert. Horizontal Angles
Angles

	<u>100.0</u>	<u>102.5</u>	<u>105.0</u>	<u>107.5</u>	<u>110.0</u>	<u>112.5</u>	<u>115.0</u>	<u>117.5</u>	<u>120.0</u>	<u>122.5</u>
0.0	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01
2.5	3950.21	3949.09	3947.97	3946.85	3945.73	3944.61	3944.11	3943.61	3943.12	3942.62
5.0	3933.61	3932.68	3931.75	3930.81	3929.88	3928.95	3927.25	3925.54	3923.84	3922.14
7.5	3913.32	3911.43	3909.55	3907.67	3905.78	3903.90	3901.36	3898.81	3896.27	3893.73
10.0	3877.17	3874.96	3872.74	3870.52	3868.31	3866.09	3863.37	3860.65	3857.93	3855.21
12.5	3831.10	3829.49	3827.89	3826.28	3824.68	3823.08	3819.70	3816.32	3812.94	3809.56
15.0	3793.93	3791.61	3789.29	3786.97	3784.65	3782.33	3777.43	3772.54	3767.64	3762.75
17.5	3739.15	3735.21	3731.28	3727.35	3723.42	3719.49	3715.73	3711.98	3708.23	3704.47
20.0	3676.18	3670.40	3664.63	3658.86	3653.08	3647.31	3643.37	3639.44	3635.50	3631.56
22.5	3595.96	3591.27	3586.58	3581.89	3577.20	3572.51	3567.26	3562.00	3556.75	3551.49
25.0	3515.58	3511.53	3507.49	3503.44	3499.40	3495.35	3489.41	3483.47	3477.53	3471.59
27.5	3441.50	3433.73	3425.96	3418.19	3410.42	3402.66	3396.88	3391.11	3385.34	3379.56
30.0	3361.62	3351.19	3340.77	3330.35	3319.92	3309.50	3302.21	3294.92	3287.62	3280.33
32.5	3257.38	3247.65	3237.92	3228.18	3218.45	3208.72	3200.98	3193.24	3185.50	3177.76
35.0	3146.00	3135.86	3125.71	3115.56	3105.41	3095.26	3086.61	3077.95	3069.30	3060.65
37.5	3031.24	3022.17	3013.10	3004.03	2994.96	2985.89	2976.67	2967.45	2958.23	2949.01
40.0	2906.85	2895.80	2884.74	2873.69	2862.63	2851.58	2842.57	2833.56	2824.55	2815.54
42.5	2775.98	2764.42	2752.85	2741.28	2729.71	2718.14	2707.63	2697.12	2686.61	2676.10
45.0	2639.88	2627.15	2614.42	2601.70	2588.97	2576.24	2565.68	2555.11	2544.55	2533.99
47.5	2491.84	2479.16	2466.49	2453.82	2441.14	2428.47	2415.95	2403.42	2390.90	2378.38
50.0	2331.51	2318.28	2305.05	2291.83	2278.60	2265.37	2251.96	2238.55	2225.14	2211.73
52.5	2159.22	2144.78	2130.34	2115.90	2101.46	2087.02	2072.88	2058.74	2044.60	2030.46
55.0	1961.72	1945.61	1929.51	1913.41	1897.31	1881.21	1866.99	1852.77	1838.54	1824.32
57.5	1737.38	1721.57	1705.76	1689.96	1674.15	1658.34	1643.37	1628.39	1613.42	1598.45
60.0	1491.75	1476.13	1460.50	1444.87	1429.25	1413.62	1398.79	1383.96	1369.13	1354.30

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

62.5	1250.81	1236.92	1223.03	1209.14	1195.24	1181.35	1166.63	1151.92	1137.20	1122.48
65.0	1030.97	1018.43	1005.89	993.35	980.81	968.27	953.54	938.81	924.09	909.36
67.5	830.86	819.53	808.20	796.87	785.54	774.21	760.34	746.48	732.61	718.75
70.0	650.30	640.40	630.49	620.58	610.68	600.77	588.30	575.82	563.35	550.87
72.5	494.04	485.43	476.81	468.19	459.57	450.96	440.40	429.85	419.30	408.75
75.0	361.76	354.75	347.73	340.71	333.70	326.68	318.21	309.74	301.28	292.81
77.5	253.59	248.18	242.77	237.36	231.96	226.55	220.16	213.76	207.37	200.98
80.0	167.03	163.08	159.12	155.16	151.21	147.25	142.65	138.06	133.46	128.86
82.5	104.27	101.45	98.63	95.82	93.00	90.19	87.00	83.81	80.63	77.44
85.0	56.88	54.90	52.93	50.95	48.98	47.00	45.00	42.99	40.99	38.99
87.5	14.75	13.93	13.10	12.28	11.45	10.63	10.07	9.50	8.94	8.37
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.02	0.03	0.04	0.04	0.05	0.06	0.05	0.04	0.04	0.03
100.0	0.11	0.11	0.11	0.11	0.11	0.11	0.13	0.16	0.18	0.21
102.5	0.36	0.39	0.41	0.43	0.45	0.47	0.47	0.47	0.47	0.47
105.0	0.67	0.72	0.76	0.80	0.85	0.89	0.89	0.89	0.89	0.89
107.5	1.24	1.22	1.19	1.16	1.14	1.11	1.12	1.13	1.14	1.15
110.0	1.51	1.48	1.44	1.40	1.37	1.33	1.32	1.32	1.31	1.31
112.5	1.95	1.90	1.85	1.79	1.74	1.69	1.66	1.64	1.61	1.58
115.0	2.04	1.99	1.93	1.88	1.82	1.77	1.75	1.72	1.70	1.68
117.5	2.15	2.13	2.10	2.07	2.05	2.02	1.98	1.95	1.91	1.88
120.0	2.30	2.29	2.29	2.28	2.28	2.27	2.24	2.21	2.18	2.15
122.5	2.35	2.34	2.34	2.33	2.33	2.32	2.30	2.29	2.27	2.25
125.0	2.55	2.53	2.52	2.51	2.50	2.49	2.47	2.45	2.44	2.42
127.5	2.70	2.69	2.68	2.68	2.67	2.66	2.64	2.62	2.61	2.59
130.0	2.96	2.95	2.93	2.91	2.90	2.88	2.87	2.86	2.85	2.84
132.5	3.27	3.23	3.19	3.15	3.11	3.08	3.08	3.09	3.10	3.10
135.0	3.63	3.61	3.59	3.58	3.56	3.54	3.52	3.51	3.49	3.47
137.5	3.77	3.75	3.73	3.70	3.68	3.66	3.65	3.65	3.64	3.64
140.0	4.01	4.00	4.00	4.00	3.99	3.99	3.98	3.98	3.97	3.97
142.5	4.21	4.21	4.21	4.21	4.21	4.21	4.19	4.18	4.17	4.16
145.0	4.55	4.51	4.48	4.44	4.41	4.37	4.35	4.33	4.30	4.28
147.5	4.76	4.74	4.73	4.71	4.69	4.68	4.66	4.64	4.62	4.60
150.0	5.12	5.10	5.09	5.07	5.06	5.04	5.02	5.00	4.99	4.97
152.5	5.30	5.30	5.31	5.31	5.31	5.32	5.31	5.30	5.29	5.28
155.0	5.49	5.55	5.60	5.65	5.70	5.75	5.73	5.71	5.68	5.66
157.5	5.51	5.57	5.63	5.69	5.75	5.81	5.80	5.80	5.79	5.78
160.0	5.53	5.58	5.64	5.70	5.75	5.81	5.83	5.85	5.87	5.89
162.5	5.87	5.87	5.86	5.85	5.84	5.84	5.87	5.91	5.95	5.99
165.0	6.24	6.19	6.15	6.11	6.07	6.03	6.06	6.10	6.13	6.16
167.5	6.40	6.39	6.37	6.36	6.35	6.34	6.35	6.36	6.37	6.38
170.0	6.48	6.45	6.41	6.38	6.34	6.31	6.32	6.34	6.35	6.37
172.5	6.45	6.42	6.40	6.37	6.34	6.31	6.32	6.33	6.33	6.34
175.0	6.39	6.37	6.36	6.34	6.33	6.31	6.32	6.33	6.33	6.34
177.5	6.19	6.18	6.17	6.16	6.15	6.14	6.15	6.15	6.16	6.16
180.0	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00

Vert. Angles **Horizontal Angles**

	<u>125.0</u>	<u>127.5</u>	<u>130.0</u>	<u>132.5</u>	<u>135.0</u>	<u>137.5</u>	<u>140.0</u>	<u>142.5</u>	<u>145.0</u>	<u>147.5</u>
0.0	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01
2.5	3942.13	3941.63	3941.14	3940.64	3940.15	3939.23	3938.31	3937.39	3936.47	3935.55
5.0	3920.43	3918.73	3917.03	3915.32	3913.62	3912.41	3911.19	3909.98	3908.77	3907.55
7.5	3891.18	3888.64	3886.10	3883.55	3881.01	3880.46	3879.91	3879.36	3878.81	3878.27

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

10.0	3852.50	3849.78	3847.06	3844.34	3841.62	3840.64	3839.67	3838.69	3837.71	3836.74
12.5	3806.19	3802.81	3799.43	3796.05	3792.68	3791.45	3790.22	3788.99	3787.76	3786.53
15.0	3757.85	3752.96	3748.06	3743.17	3738.27	3736.24	3734.21	3732.18	3730.15	3728.11
17.5	3700.72	3696.97	3693.22	3689.46	3685.71	3682.03	3678.34	3674.66	3670.98	3667.30
20.0	3627.63	3623.69	3619.75	3615.82	3611.88	3606.60	3601.32	3596.03	3590.75	3585.47
22.5	3546.24	3540.99	3535.73	3530.48	3525.23	3520.97	3516.72	3512.47	3508.22	3503.96
25.0	3465.64	3459.70	3453.76	3447.82	3441.88	3439.05	3436.22	3433.39	3430.56	3427.73
27.5	3373.79	3368.02	3362.24	3356.47	3350.70	3347.60	3344.50	3341.40	3338.30	3335.20
30.0	3273.04	3265.75	3258.45	3251.16	3243.87	3240.95	3238.04	3235.12	3232.21	3229.29
32.5	3170.02	3162.29	3154.55	3146.81	3139.07	3133.70	3128.33	3122.96	3117.59	3112.21
35.0	3051.99	3043.34	3034.69	3026.03	3017.38	3012.22	3007.07	3001.91	2996.76	2991.60
37.5	2939.79	2930.57	2921.35	2912.13	2902.92	2896.90	2890.89	2884.87	2878.86	2872.85
40.0	2806.53	2797.52	2788.51	2779.50	2770.49	2765.01	2759.53	2754.05	2748.57	2743.10
42.5	2665.59	2655.08	2644.57	2634.06	2623.55	2618.10	2612.66	2607.21	2601.76	2596.32
45.0	2523.42	2512.86	2502.30	2491.73	2481.17	2474.64	2468.11	2461.57	2455.04	2448.51
47.5	2365.86	2353.33	2340.81	2328.29	2315.77	2308.86	2301.96	2295.06	2288.16	2281.25
50.0	2198.32	2184.91	2171.50	2158.09	2144.68	2135.65	2126.62	2117.60	2108.57	2099.54
52.5	2016.32	2002.18	1988.04	1973.90	1959.76	1949.32	1938.87	1928.43	1917.99	1907.54
55.0	1810.10	1795.88	1781.65	1767.43	1753.21	1741.57	1729.94	1718.30	1706.66	1695.03
57.5	1583.48	1568.50	1553.53	1538.56	1523.58	1510.20	1496.82	1483.43	1470.05	1456.67
60.0	1339.47	1324.64	1309.81	1294.98	1280.15	1265.98	1251.82	1237.65	1223.49	1209.32
62.5	1107.77	1093.05	1078.33	1063.62	1048.90	1034.34	1019.78	1005.22	990.66	976.09
65.0	894.63	879.90	865.18	850.45	835.72	822.14	808.56	794.98	781.40	767.82
67.5	704.88	691.01	677.15	663.28	649.42	637.26	625.11	612.95	600.80	588.64
70.0	538.40	525.92	513.45	500.97	488.50	478.26	468.02	457.78	447.54	437.29
72.5	398.19	387.64	377.09	366.54	355.99	347.74	339.49	331.25	323.00	314.75
75.0	284.34	275.87	267.41	258.94	250.47	244.03	237.59	231.15	224.71	218.28
77.5	194.58	188.19	181.80	175.40	169.01	164.35	159.70	155.04	150.38	145.73
80.0	124.27	119.67	115.07	110.48	105.88	102.77	99.66	96.56	93.45	90.34
82.5	74.25	71.07	67.88	64.69	61.51	59.60	57.69	55.78	53.87	51.96
85.0	36.98	34.98	32.98	30.97	28.97	27.99	27.01	26.03	25.05	24.07
87.5	7.81	7.25	6.68	6.12	5.56	5.61	5.67	5.72	5.78	5.83
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.02	0.02	0.01	0.01	0.00	0.01	0.02	0.03	0.04	0.05
100.0	0.23	0.26	0.28	0.31	0.33	0.32	0.31	0.29	0.28	0.27
102.5	0.47	0.47	0.47	0.47	0.47	0.45	0.42	0.40	0.37	0.35
105.0	0.89	0.89	0.89	0.89	0.89	0.84	0.79	0.74	0.69	0.65
107.5	1.15	1.16	1.17	1.18	1.19	1.15	1.10	1.06	1.02	0.98
110.0	1.30	1.30	1.29	1.29	1.28	1.27	1.26	1.24	1.23	1.22
112.5	1.55	1.53	1.50	1.47	1.45	1.43	1.41	1.40	1.38	1.37
115.0	1.65	1.63	1.61	1.58	1.56	1.57	1.57	1.58	1.58	1.59
117.5	1.84	1.80	1.77	1.73	1.70	1.70	1.71	1.72	1.73	1.74
120.0	2.12	2.09	2.06	2.03	2.00	2.02	2.04	2.06	2.08	2.09
122.5	2.23	2.22	2.20	2.18	2.17	2.19	2.21	2.23	2.25	2.28
125.0	2.40	2.38	2.37	2.35	2.33	2.36	2.38	2.41	2.43	2.46
127.5	2.57	2.55	2.54	2.52	2.50	2.54	2.58	2.62	2.66	2.70
130.0	2.82	2.81	2.80	2.79	2.78	2.82	2.86	2.89	2.93	2.97
132.5	3.11	3.12	3.13	3.13	3.14	3.19	3.23	3.28	3.33	3.38
135.0	3.46	3.44	3.42	3.41	3.39	3.47	3.55	3.64	3.72	3.80
137.5	3.63	3.63	3.62	3.62	3.61	3.75	3.90	4.04	4.18	4.32
140.0	3.96	3.96	3.95	3.95	3.94	4.00	4.07	4.13	4.19	4.26
142.5	4.15	4.14	4.13	4.12	4.11	4.18	4.24	4.31	4.37	4.44
145.0	4.26	4.24	4.21	4.19	4.17	4.25	4.33	4.41	4.49	4.58
147.5	4.58	4.56	4.54	4.52	4.50	4.56	4.63	4.69	4.76	4.83

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

150.0	4.95	4.93	4.92	4.90	4.88	4.91	4.93	4.96	4.99	5.01
152.5	5.28	5.27	5.26	5.25	5.25	5.25	5.25	5.26	5.26	5.27
155.0	5.64	5.62	5.59	5.57	5.55	5.55	5.54	5.54	5.53	5.53
157.5	5.78	5.77	5.76	5.76	5.75	5.74	5.73	5.72	5.70	5.69
160.0	5.91	5.93	5.95	5.97	5.99	5.95	5.91	5.87	5.83	5.78
162.5	6.03	6.07	6.11	6.15	6.19	6.16	6.14	6.11	6.08	6.06
165.0	6.20	6.23	6.26	6.30	6.33	6.32	6.31	6.30	6.29	6.27
167.5	6.39	6.40	6.41	6.42	6.44	6.41	6.38	6.35	6.32	6.29
170.0	6.38	6.40	6.41	6.43	6.44	6.41	6.38	6.35	6.32	6.30
172.5	6.35	6.36	6.36	6.37	6.38	6.36	6.34	6.31	6.29	6.27
175.0	6.35	6.36	6.36	6.37	6.38	6.36	6.34	6.31	6.29	6.27
177.5	6.17	6.17	6.18	6.18	6.19	6.18	6.17	6.17	6.16	6.15
180.0	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00

Vert. Angles **Horizontal Angles**

	<u>150.0</u>	<u>152.5</u>	<u>155.0</u>	<u>157.5</u>	<u>160.0</u>	<u>162.5</u>	<u>165.0</u>	<u>167.5</u>	<u>170.0</u>	<u>172.5</u>
0.0	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01
2.5	3934.63	3933.71	3932.79	3931.87	3931.90	3931.93	3931.96	3932.00	3932.03	3932.06
5.0	3906.34	3905.13	3903.91	3902.70	3902.36	3902.02	3901.68	3901.34	3901.00	3900.66
7.5	3877.72	3877.17	3876.62	3876.07	3874.15	3872.23	3870.31	3868.38	3866.46	3864.54
10.0	3835.76	3834.78	3833.81	3832.83	3829.41	3825.99	3822.57	3819.15	3815.73	3812.31
12.5	3785.30	3784.07	3782.84	3781.62	3776.61	3771.60	3766.59	3761.58	3756.58	3751.57
15.0	3726.08	3724.05	3722.02	3719.99	3716.75	3713.50	3710.26	3707.01	3703.77	3700.52
17.5	3663.61	3659.93	3656.25	3652.57	3650.83	3649.10	3647.37	3645.63	3643.90	3642.17
20.0	3580.19	3574.90	3569.62	3564.34	3565.63	3566.91	3568.20	3569.48	3570.77	3572.05
22.5	3499.71	3495.46	3491.21	3486.96	3488.89	3490.83	3492.76	3494.70	3496.63	3498.57
25.0	3424.90	3422.07	3419.24	3416.41	3415.83	3415.25	3414.67	3414.09	3413.51	3412.93
27.5	3332.10	3329.00	3325.90	3322.80	3320.07	3317.34	3314.62	3311.89	3309.17	3306.44
30.0	3226.38	3223.46	3220.55	3217.63	3213.82	3210.01	3206.20	3202.39	3198.58	3194.77
32.5	3106.84	3101.47	3096.10	3090.73	3088.71	3086.69	3084.67	3082.64	3080.62	3078.60
35.0	2986.45	2981.29	2976.14	2970.98	2969.47	2967.95	2966.44	2964.92	2963.41	2961.89
37.5	2866.83	2860.82	2854.80	2848.79	2847.11	2845.43	2843.75	2842.07	2840.38	2838.70
40.0	2737.62	2732.14	2726.66	2721.18	2718.84	2716.49	2714.15	2711.81	2709.46	2707.12
42.5	2590.87	2585.42	2579.98	2574.53	2571.94	2569.35	2566.76	2564.17	2561.57	2558.98
45.0	2441.98	2435.44	2428.91	2422.38	2419.08	2415.79	2412.49	2409.19	2405.90	2402.60
47.5	2274.35	2267.45	2260.55	2253.65	2250.51	2247.38	2244.25	2241.12	2237.99	2234.86
50.0	2090.51	2081.49	2072.46	2063.43	2060.14	2056.84	2053.55	2050.26	2046.96	2043.67
52.5	1897.10	1886.66	1876.21	1865.77	1861.38	1856.99	1852.61	1848.22	1843.83	1839.44
55.0	1683.39	1671.75	1660.12	1648.48	1642.33	1636.18	1630.02	1623.87	1617.72	1611.57
57.5	1443.28	1429.90	1416.52	1403.13	1396.55	1389.96	1383.38	1376.79	1370.20	1363.62
60.0	1195.16	1180.99	1166.83	1152.66	1145.75	1138.84	1131.92	1125.01	1118.10	1111.19
62.5	961.53	946.97	932.41	917.85	911.72	905.59	899.46	893.33	887.21	881.08
65.0	754.24	740.66	727.08	713.50	707.78	702.05	696.33	690.61	684.88	679.16
67.5	576.49	564.33	552.18	540.03	535.04	530.06	525.08	520.10	515.12	510.14
70.0	427.05	416.81	406.57	396.33	392.12	387.92	383.71	379.50	375.30	371.09
72.5	306.51	298.26	290.01	281.77	278.58	275.39	272.20	269.02	265.83	262.64
75.0	211.84	205.40	198.96	192.52	190.29	188.07	185.84	183.62	181.39	179.17
77.5	141.07	136.41	131.76	127.10	125.47	123.84	122.21	120.57	118.94	117.31
80.0	87.23	84.13	81.02	77.91	76.76	75.61	74.46	73.31	72.17	71.02
82.5	50.05	48.14	46.23	44.32	43.64	42.97	42.30	41.62	40.95	40.28
85.0	23.09	22.11	21.13	20.15	19.77	19.40	19.02	18.65	18.27	17.90
87.5	5.89	5.94	6.00	6.05	6.05	6.05	6.06	6.06	6.06	6.06
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

97.5	0.06	0.07	0.08	0.09	0.08	0.07	0.06	0.05	0.04	0.03
100.0	0.26	0.24	0.23	0.22	0.21	0.20	0.18	0.17	0.16	0.15
102.5	0.32	0.30	0.27	0.25	0.24	0.23	0.22	0.21	0.20	0.19
105.0	0.60	0.55	0.50	0.45	0.45	0.45	0.45	0.45	0.45	0.45
107.5	0.93	0.89	0.85	0.81	0.81	0.82	0.82	0.83	0.84	0.84
110.0	1.21	1.19	1.18	1.17	1.16	1.16	1.15	1.14	1.14	1.13
112.5	1.35	1.34	1.32	1.31	1.32	1.33	1.34	1.36	1.37	1.38
115.0	1.59	1.60	1.60	1.61	1.61	1.61	1.61	1.61	1.61	1.61
117.5	1.75	1.76	1.77	1.78	1.81	1.84	1.86	1.89	1.92	1.95
120.0	2.11	2.13	2.15	2.17	2.19	2.22	2.24	2.27	2.29	2.32
122.5	2.30	2.32	2.34	2.37	2.39	2.41	2.44	2.46	2.49	2.51
125.0	2.48	2.51	2.53	2.56	2.60	2.63	2.67	2.71	2.74	2.78
127.5	2.74	2.78	2.82	2.87	2.89	2.92	2.95	2.97	3.00	3.03
130.0	3.01	3.04	3.08	3.12	3.14	3.16	3.17	3.19	3.21	3.23
132.5	3.42	3.47	3.52	3.57	3.57	3.57	3.57	3.57	3.58	3.58
135.0	3.88	3.97	4.05	4.13	4.10	4.08	4.05	4.02	4.00	3.97
137.5	4.47	4.61	4.75	4.90	4.81	4.73	4.64	4.56	4.47	4.39
140.0	4.32	4.38	4.45	4.51	4.50	4.50	4.49	4.48	4.48	4.47
142.5	4.50	4.57	4.63	4.70	4.71	4.72	4.74	4.75	4.76	4.77
145.0	4.66	4.74	4.82	4.90	4.92	4.94	4.95	4.97	4.99	5.01
147.5	4.89	4.96	5.02	5.09	5.11	5.13	5.15	5.17	5.20	5.22
150.0	5.04	5.07	5.09	5.12	5.18	5.24	5.30	5.36	5.42	5.48
152.5	5.27	5.28	5.28	5.29	5.35	5.41	5.47	5.53	5.59	5.65
155.0	5.52	5.52	5.51	5.51	5.55	5.59	5.64	5.68	5.72	5.76
157.5	5.68	5.67	5.66	5.65	5.69	5.74	5.78	5.83	5.87	5.92
160.0	5.74	5.70	5.66	5.62	5.69	5.75	5.82	5.89	5.95	6.02
162.5	6.03	6.00	5.98	5.95	6.00	6.04	6.09	6.13	6.18	6.22
165.0	6.26	6.25	6.24	6.23	6.25	6.28	6.30	6.32	6.35	6.37
167.5	6.27	6.24	6.21	6.18	6.22	6.25	6.29	6.32	6.36	6.39
170.0	6.27	6.24	6.21	6.18	6.22	6.26	6.30	6.34	6.39	6.43
172.5	6.25	6.22	6.20	6.18	6.23	6.28	6.32	6.37	6.42	6.47
175.0	6.25	6.22	6.20	6.18	6.23	6.29	6.34	6.39	6.45	6.50
177.5	6.14	6.13	6.12	6.12	6.15	6.18	6.21	6.25	6.28	6.31
180.0	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00

Vert. Angles **Horizontal Angles**

	<u>175.0</u>	<u>177.5</u>	<u>180.0</u>	<u>182.5</u>	<u>185.0</u>	<u>187.5</u>	<u>190.0</u>	<u>192.5</u>	<u>195.0</u>	<u>197.5</u>
0.0	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01
2.5	3932.09	3932.13	3932.16	3932.91	3933.67	3934.42	3935.17	3935.93	3936.68	3937.43
5.0	3900.32	3899.98	3899.64	3902.26	3904.87	3907.49	3910.10	3912.72	3915.33	3917.95
7.5	3862.62	3860.70	3858.78	3862.30	3865.83	3869.36	3872.89	3876.42	3879.95	3883.47
10.0	3808.89	3805.47	3802.05	3806.02	3810.00	3813.97	3817.95	3821.92	3825.90	3829.87
12.5	3746.56	3741.55	3736.55	3742.18	3747.81	3753.44	3759.07	3764.70	3770.33	3775.96
15.0	3697.28	3694.03	3690.79	3696.32	3701.86	3707.39	3712.93	3718.46	3724.00	3729.53
17.5	3640.43	3638.70	3636.97	3640.72	3644.48	3648.24	3651.99	3655.75	3659.51	3663.27
20.0	3573.34	3574.62	3575.91	3577.26	3578.61	3579.96	3581.31	3582.67	3584.02	3585.37
22.5	3500.50	3502.44	3504.38	3505.11	3505.84	3506.58	3507.31	3508.04	3508.78	3509.51
25.0	3412.35	3411.77	3411.19	3413.34	3415.49	3417.64	3419.79	3421.95	3424.10	3426.25
27.5	3303.72	3300.99	3298.27	3302.20	3306.13	3310.07	3314.00	3317.94	3321.87	3325.81
30.0	3190.96	3187.15	3183.34	3187.62	3191.91	3196.19	3200.47	3204.76	3209.04	3213.32
32.5	3076.58	3074.56	3072.54	3077.56	3082.59	3087.61	3092.64	3097.66	3102.69	3107.71
35.0	2960.38	2958.86	2957.35	2962.32	2967.30	2972.27	2977.24	2982.22	2987.19	2992.16
37.5	2837.02	2835.34	2833.66	2838.31	2842.97	2847.62	2852.28	2856.93	2861.58	2866.24
40.0	2704.78	2702.43	2700.09	2703.56	2707.03	2710.50	2713.97	2717.43	2720.90	2724.37
42.5	2556.39	2553.80	2551.21	2554.87	2558.52	2562.18	2565.83	2569.49	2573.14	2576.80

IES ROAD REPORT
PHOTOMETRIC FILENAME : SFCL-WB-LED-PL1-40.IES

CANDELA TABULATION - (Cont.)

45.0	2399.30	2396.01	2392.71	2397.67	2402.62	2407.58	2412.53	2417.49	2422.44	2427.40
47.5	2231.72	2228.59	2225.46	2230.39	2235.32	2240.25	2245.18	2250.11	2255.04	2259.97
50.0	2040.38	2037.08	2033.79	2039.03	2044.27	2049.52	2054.76	2060.00	2065.24	2070.49
52.5	1835.05	1830.66	1826.28	1832.21	1838.15	1844.09	1850.02	1855.96	1861.90	1867.83
55.0	1605.41	1599.26	1593.11	1599.69	1606.27	1612.85	1619.43	1626.00	1632.58	1639.16
57.5	1357.03	1350.45	1343.86	1349.80	1355.74	1361.68	1367.62	1373.56	1379.50	1385.44
60.0	1104.27	1097.36	1090.45	1096.34	1102.23	1108.12	1114.01	1119.89	1125.78	1131.67
62.5	874.95	868.82	862.69	868.14	873.58	879.03	884.47	889.92	895.36	900.81
65.0	673.44	667.71	661.99	667.36	672.73	678.10	683.47	688.84	694.21	699.58
67.5	505.15	500.17	495.19	499.95	504.71	509.47	514.23	518.99	523.75	528.51
70.0	366.88	362.68	358.47	362.41	366.35	370.29	374.23	378.17	382.11	386.05
72.5	259.45	256.27	253.08	256.08	259.08	262.08	265.07	268.07	271.07	274.07
75.0	176.94	174.72	172.49	174.69	176.90	179.10	181.31	183.51	185.72	187.92
77.5	115.68	114.05	112.42	114.03	115.64	117.25	118.87	120.48	122.09	123.70
80.0	69.87	68.72	67.57	68.67	69.77	70.87	71.97	73.08	74.18	75.28
82.5	39.60	38.93	38.26	38.93	39.60	40.28	40.95	41.62	42.30	42.97
85.0	17.52	17.15	16.77	17.04	17.32	17.59	17.86	18.14	18.41	18.68
87.5	6.07	6.07	6.07	5.99	5.91	5.84	5.76	5.68	5.60	5.53
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.13	0.12	0.11	0.10	0.10	0.09	0.09	0.08	0.08	0.07
102.5	0.18	0.17	0.17	0.18	0.19	0.20	0.21	0.22	0.23	0.24
105.0	0.45	0.45	0.45	0.44	0.44	0.43	0.43	0.42	0.42	0.41
107.5	0.85	0.85	0.86	0.84	0.82	0.80	0.78	0.75	0.73	0.71
110.0	1.12	1.12	1.11	1.09	1.07	1.06	1.04	1.02	1.00	0.99
112.5	1.39	1.41	1.42	1.40	1.37	1.35	1.32	1.30	1.27	1.25
115.0	1.61	1.61	1.61	1.60	1.59	1.58	1.57	1.55	1.54	1.53
117.5	1.97	2.00	2.03	1.99	1.96	1.92	1.88	1.85	1.81	1.77
120.0	2.34	2.37	2.39	2.32	2.26	2.19	2.12	2.06	1.99	1.92
122.5	2.54	2.56	2.59	2.54	2.49	2.44	2.39	2.34	2.30	2.25
125.0	2.82	2.85	2.89	2.84	2.78	2.73	2.67	2.62	2.56	2.51
127.5	3.06	3.08	3.11	3.06	3.02	2.97	2.92	2.87	2.83	2.78
130.0	3.24	3.26	3.28	3.28	3.27	3.27	3.26	3.26	3.25	3.25
132.5	3.58	3.58	3.59	3.58	3.58	3.58	3.58	3.58	3.58	3.57
135.0	3.94	3.92	3.89	3.90	3.92	3.93	3.95	3.96	3.98	3.99
137.5	4.30	4.22	4.14	4.14	4.15	4.15	4.16	4.16	4.17	4.17
140.0	4.46	4.46	4.45	4.45	4.44	4.44	4.43	4.43	4.42	4.42
142.5	4.78	4.79	4.81	4.79	4.77	4.75	4.73	4.71	4.69	4.67
145.0	5.02	5.04	5.06	5.04	5.02	4.99	4.97	4.95	4.93	4.90
147.5	5.24	5.26	5.28	5.27	5.25	5.24	5.23	5.22	5.20	5.19
150.0	5.54	5.60	5.66	5.66	5.66	5.65	5.65	5.65	5.65	5.64
152.5	5.71	5.77	5.83	5.82	5.82	5.81	5.81	5.80	5.79	5.79
155.0	5.81	5.85	5.89	5.89	5.89	5.90	5.90	5.90	5.90	5.91
157.5	5.96	6.01	6.05	6.04	6.03	6.03	6.02	6.01	6.00	5.99
160.0	6.09	6.15	6.22	6.20	6.19	6.17	6.16	6.14	6.13	6.11
162.5	6.27	6.31	6.36	6.36	6.35	6.35	6.35	6.35	6.34	6.34
165.0	6.39	6.42	6.44	6.45	6.46	6.47	6.48	6.49	6.50	6.51
167.5	6.43	6.46	6.50	6.51	6.51	6.52	6.53	6.53	6.54	6.55
170.0	6.47	6.51	6.55	6.55	6.56	6.56	6.56	6.57	6.57	6.57
172.5	6.51	6.56	6.61	6.62	6.63	6.64	6.65	6.66	6.67	6.68
175.0	6.55	6.61	6.66	6.66	6.67	6.67	6.68	6.68	6.69	6.69
177.5	6.34	6.38	6.41	6.44	6.47	6.51	6.54	6.57	6.60	6.63
180.0	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00

IES ROAD REPORT
PHOTOMETRIC FILENAME : SFCL-WB-LED-PL1-40.IES

CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>200.0</u>	<u>202.5</u>	<u>205.0</u>	<u>207.5</u>	<u>210.0</u>	<u>212.5</u>	<u>215.0</u>	<u>217.5</u>	<u>220.0</u>	<u>222.5</u>
0.0	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01
2.5	3938.19	3938.94	3938.61	3938.28	3937.95	3937.62	3937.29	3936.96	3936.63	3936.30
5.0	3920.56	3923.18	3921.32	3919.45	3917.59	3915.72	3913.86	3911.99	3910.13	3908.26
7.5	3887.00	3890.53	3890.57	3890.60	3890.64	3890.68	3890.72	3890.75	3890.79	3890.83
10.0	3833.85	3837.82	3840.24	3842.65	3845.07	3847.48	3849.90	3852.31	3854.73	3857.14
12.5	3781.59	3787.22	3789.43	3791.64	3793.85	3796.06	3798.26	3800.47	3802.68	3804.89
15.0	3735.07	3740.60	3742.15	3743.70	3745.25	3746.80	3748.35	3749.90	3751.45	3753.00
17.5	3667.02	3670.78	3673.34	3675.90	3678.45	3681.01	3683.57	3686.13	3688.68	3691.24
20.0	3586.72	3588.07	3592.30	3596.52	3600.75	3604.97	3609.20	3613.42	3617.65	3621.87
22.5	3510.25	3510.98	3515.97	3520.96	3525.94	3530.93	3535.92	3540.91	3545.89	3550.88
25.0	3428.40	3430.55	3434.54	3438.53	3442.52	3446.51	3450.50	3454.49	3458.48	3462.47
27.5	3329.74	3333.68	3337.86	3342.04	3346.22	3350.40	3354.58	3358.76	3362.94	3367.12
30.0	3217.61	3221.89	3227.51	3233.13	3238.76	3244.38	3250.00	3255.62	3261.25	3266.87
32.5	3112.74	3117.77	3123.56	3129.36	3135.15	3140.95	3146.74	3152.54	3158.33	3164.13
35.0	2997.14	3002.11	3008.21	3014.30	3020.40	3026.49	3032.59	3038.68	3044.78	3050.87
37.5	2870.89	2875.55	2881.74	2887.94	2894.14	2900.33	2906.53	2912.73	2918.93	2925.12
40.0	2727.84	2731.31	2738.11	2744.91	2751.70	2758.50	2765.30	2772.10	2778.89	2785.69
42.5	2580.45	2584.11	2591.51	2598.91	2606.31	2613.71	2621.11	2628.51	2635.91	2643.31
45.0	2432.35	2437.31	2445.25	2453.19	2461.13	2469.07	2477.01	2484.95	2492.89	2500.83
47.5	2264.90	2269.84	2278.49	2287.14	2295.79	2304.44	2313.10	2321.75	2330.40	2339.05
50.0	2075.73	2080.97	2091.57	2102.17	2112.77	2123.37	2133.96	2144.56	2155.16	2165.76
52.5	1873.77	1879.71	1892.24	1904.77	1917.31	1929.84	1942.38	1954.91	1967.45	1979.98
55.0	1645.74	1652.32	1665.39	1678.46	1691.53	1704.60	1717.67	1730.74	1743.81	1756.88
57.5	1391.38	1397.32	1411.08	1424.83	1438.59	1452.34	1466.10	1479.85	1493.61	1507.36
60.0	1137.56	1143.45	1157.58	1171.72	1185.85	1199.98	1214.12	1228.25	1242.38	1256.52
62.5	906.25	911.70	925.44	939.19	952.94	966.69	980.44	994.19	1007.93	1021.68
65.0	704.95	710.32	722.81	735.31	747.80	760.30	772.79	785.29	797.78	810.28
67.5	533.27	538.04	549.02	560.00	570.98	581.97	592.95	603.93	614.91	625.90
70.0	389.99	393.93	403.32	412.71	422.10	431.49	440.87	450.26	459.65	469.04
72.5	277.07	280.07	287.97	295.87	303.77	311.67	319.57	327.47	335.37	343.27
75.0	190.13	192.33	198.69	205.06	211.42	217.78	224.15	230.51	236.87	243.24
77.5	125.32	126.93	131.54	136.16	140.77	145.39	150.00	154.62	159.23	163.85
80.0	76.38	77.48	80.59	83.70	86.82	89.93	93.04	96.15	99.27	102.38
82.5	43.65	44.32	46.24	48.16	50.09	52.01	53.93	55.85	57.78	59.70
85.0	18.96	19.23	20.23	21.24	22.24	23.25	24.25	25.26	26.26	27.27
87.5	5.45	5.37	5.28	5.20	5.11	5.02	4.94	4.85	4.76	4.68
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.07	0.06	0.08	0.10	0.11	0.13	0.15	0.17	0.18	0.20
102.5	0.25	0.26	0.27	0.28	0.29	0.30	0.32	0.33	0.34	0.35
105.0	0.41	0.40	0.42	0.45	0.47	0.49	0.52	0.54	0.56	0.59
107.5	0.69	0.67	0.70	0.72	0.75	0.77	0.80	0.82	0.85	0.87
110.0	0.97	0.95	0.96	0.96	0.97	0.97	0.98	0.98	0.99	0.99
112.5	1.22	1.20	1.21	1.22	1.24	1.25	1.26	1.27	1.29	1.30
115.0	1.52	1.51	1.49	1.47	1.45	1.43	1.42	1.40	1.38	1.36
117.5	1.74	1.70	1.68	1.66	1.65	1.63	1.61	1.59	1.57	1.55
120.0	1.86	1.79	1.78	1.78	1.77	1.76	1.76	1.75	1.74	1.74
122.5	2.20	2.15	2.13	2.12	2.10	2.09	2.07	2.05	2.04	2.02
125.0	2.45	2.40	2.39	2.37	2.36	2.35	2.33	2.32	2.31	2.29
127.5	2.73	2.69	2.65	2.62	2.59	2.56	2.53	2.50	2.46	2.43
130.0	3.24	3.24	3.19	3.14	3.09	3.04	3.00	2.95	2.90	2.85

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

132.5	3.57	3.57	3.53	3.49	3.45	3.41	3.36	3.32	3.28	3.24
135.0	4.01	4.02	3.95	3.88	3.81	3.74	3.68	3.61	3.54	3.47
137.5	4.18	4.19	4.13	4.08	4.03	3.97	3.92	3.87	3.81	3.76
140.0	4.41	4.41	4.36	4.31	4.26	4.21	4.15	4.10	4.05	4.00
142.5	4.65	4.63	4.59	4.55	4.52	4.48	4.44	4.40	4.37	4.33
145.0	4.88	4.86	4.82	4.78	4.75	4.71	4.67	4.63	4.60	4.56
147.5	5.18	5.17	5.14	5.11	5.09	5.06	5.03	5.01	4.98	4.95
150.0	5.64	5.64	5.58	5.51	5.45	5.39	5.32	5.26	5.20	5.13
152.5	5.78	5.78	5.73	5.69	5.64	5.60	5.55	5.51	5.46	5.42
155.0	5.91	5.91	5.85	5.80	5.74	5.68	5.63	5.57	5.51	5.46
157.5	5.98	5.98	5.96	5.94	5.92	5.90	5.89	5.87	5.85	5.83
160.0	6.10	6.08	6.05	6.03	6.00	5.98	5.95	5.93	5.90	5.88
162.5	6.34	6.34	6.31	6.28	6.25	6.22	6.19	6.16	6.13	6.10
165.0	6.52	6.53	6.50	6.46	6.43	6.40	6.36	6.33	6.30	6.26
167.5	6.55	6.56	6.55	6.53	6.52	6.50	6.49	6.47	6.46	6.44
170.0	6.58	6.58	6.57	6.56	6.56	6.55	6.54	6.53	6.53	6.52
172.5	6.69	6.70	6.69	6.68	6.67	6.66	6.66	6.65	6.64	6.63
175.0	6.70	6.70	6.69	6.68	6.67	6.66	6.66	6.65	6.64	6.63
177.5	6.66	6.70	6.68	6.66	6.64	6.63	6.61	6.59	6.57	6.56
180.0	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00

Vert. Angles **Horizontal Angles**

	<u>225.0</u>	<u>227.5</u>	<u>230.0</u>	<u>232.5</u>	<u>235.0</u>	<u>237.5</u>	<u>240.0</u>	<u>242.5</u>	<u>245.0</u>	<u>247.5</u>
0.0	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01
2.5	3935.97	3937.79	3939.62	3941.45	3943.28	3945.10	3946.93	3948.76	3950.59	3952.42
5.0	3906.40	3909.20	3912.00	3914.80	3917.60	3920.39	3923.19	3925.99	3928.79	3931.59
7.5	3890.87	3893.23	3895.60	3897.97	3900.34	3902.71	3905.08	3907.44	3909.81	3912.18
10.0	3859.56	3862.03	3864.50	3866.98	3869.45	3871.92	3874.39	3876.87	3879.34	3881.81
12.5	3807.10	3810.74	3814.39	3818.03	3821.68	3825.32	3828.97	3832.61	3836.26	3839.90
15.0	3754.55	3758.71	3762.87	3767.03	3771.19	3775.34	3779.50	3783.66	3787.82	3791.98
17.5	3693.80	3698.19	3702.57	3706.96	3711.35	3715.73	3720.12	3724.51	3728.89	3733.28
20.0	3626.10	3630.45	3634.80	3639.15	3643.50	3647.84	3652.19	3656.54	3660.89	3665.24
22.5	3555.87	3561.68	3567.49	3573.31	3579.12	3584.93	3590.74	3596.55	3602.36	3608.18
25.0	3466.46	3474.05	3481.63	3489.22	3496.80	3504.39	3511.97	3519.56	3527.14	3534.73
27.5	3371.30	3380.09	3388.89	3397.68	3406.48	3415.27	3424.07	3432.86	3441.66	3450.46
30.0	3272.49	3282.22	3291.95	3301.69	3311.42	3321.15	3330.88	3340.62	3350.35	3360.08
32.5	3169.92	3179.29	3188.66	3198.03	3207.39	3216.76	3226.13	3235.50	3244.87	3254.24
35.0	3056.97	3067.70	3078.43	3089.17	3099.90	3110.63	3121.36	3132.10	3142.83	3153.56
37.5	2931.32	2942.24	2953.15	2964.07	2974.98	2985.90	2996.81	3007.73	3018.64	3029.56
40.0	2792.49	2804.52	2816.55	2828.58	2840.61	2852.65	2864.68	2876.71	2888.74	2900.77
42.5	2650.71	2663.41	2676.11	2688.81	2701.51	2714.22	2726.92	2739.62	2752.32	2765.02
45.0	2508.77	2521.09	2533.40	2545.72	2558.04	2570.35	2582.67	2594.99	2607.30	2619.62
47.5	2347.71	2361.79	2375.88	2389.96	2404.05	2418.13	2432.22	2446.30	2460.39	2474.47
50.0	2176.36	2190.74	2205.12	2219.51	2233.89	2248.27	2262.65	2277.04	2291.42	2305.80
52.5	1992.52	2006.26	2020.01	2033.76	2047.51	2061.26	2075.01	2088.75	2102.50	2116.25
55.0	1769.95	1786.08	1802.21	1818.33	1834.46	1850.59	1866.72	1882.84	1898.97	1915.10
57.5	1521.12	1538.04	1554.96	1571.88	1588.80	1605.72	1622.64	1639.56	1656.48	1673.40
60.0	1270.65	1287.36	1304.07	1320.79	1337.50	1354.21	1370.92	1387.64	1404.35	1421.06
62.5	1035.43	1051.22	1067.01	1082.81	1098.60	1114.39	1130.18	1145.97	1161.76	1177.56
65.0	822.77	837.67	852.57	867.46	882.36	897.26	912.16	927.05	941.95	956.85
67.5	636.88	650.53	664.18	677.83	691.48	705.13	718.78	732.43	746.08	759.73
70.0	478.43	490.54	502.66	514.77	526.89	539.00	551.12	563.23	575.35	587.46
72.5	351.17	361.39	371.61	381.83	392.05	402.28	412.50	422.72	432.94	443.17
75.0	249.60	257.62	265.64	273.65	281.67	289.69	297.71	305.72	313.74	321.76
77.5	168.46	174.59	180.71	186.84	192.96	199.09	205.21	211.34	217.46	223.59

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

80.0	105.49	110.01	114.53	119.06	123.58	128.10	132.62	137.15	141.67	146.19
82.5	61.62	64.78	67.94	71.10	74.26	77.42	80.58	83.74	86.90	90.06
85.0	28.27	30.28	32.29	34.29	36.30	38.31	40.32	42.32	44.33	46.34
87.5	4.59	4.97	5.36	5.74	6.13	6.51	6.89	7.28	7.66	8.05
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.22	0.21	0.20	0.18	0.17	0.16	0.15	0.13	0.12	0.11
102.5	0.37	0.36	0.36	0.36	0.35	0.35	0.35	0.34	0.34	0.34
105.0	0.61	0.61	0.61	0.61	0.61	0.62	0.62	0.62	0.62	0.62
107.5	0.90	0.90	0.90	0.90	0.91	0.91	0.91	0.91	0.92	0.92
110.0	1.00	1.03	1.05	1.08	1.10	1.13	1.15	1.18	1.20	1.23
112.5	1.31	1.33	1.35	1.37	1.39	1.40	1.42	1.44	1.46	1.48
115.0	1.34	1.38	1.41	1.45	1.49	1.52	1.56	1.60	1.63	1.67
117.5	1.54	1.56	1.59	1.62	1.65	1.67	1.70	1.73	1.76	1.79
120.0	1.73	1.74	1.75	1.77	1.78	1.79	1.80	1.82	1.83	1.84
122.5	2.01	2.01	2.02	2.03	2.04	2.05	2.06	2.07	2.08	2.09
125.0	2.28	2.27	2.26	2.24	2.23	2.22	2.21	2.19	2.18	2.17
127.5	2.40	2.42	2.44	2.46	2.48	2.51	2.53	2.55	2.57	2.59
130.0	2.80	2.80	2.81	2.81	2.82	2.82	2.83	2.83	2.84	2.84
132.5	3.20	3.20	3.21	3.21	3.22	3.22	3.22	3.23	3.23	3.24
135.0	3.40	3.41	3.41	3.42	3.42	3.43	3.43	3.44	3.44	3.45
137.5	3.71	3.70	3.70	3.70	3.69	3.69	3.69	3.68	3.68	3.68
140.0	3.95	3.95	3.95	3.95	3.95	3.96	3.96	3.96	3.96	3.96
142.5	4.29	4.28	4.28	4.27	4.26	4.26	4.25	4.24	4.24	4.23
145.0	4.52	4.51	4.49	4.48	4.47	4.45	4.44	4.43	4.41	4.40
147.5	4.93	4.89	4.85	4.82	4.78	4.74	4.71	4.67	4.64	4.60
150.0	5.07	5.05	5.03	5.01	4.99	4.98	4.96	4.94	4.92	4.90
152.5	5.38	5.36	5.34	5.33	5.31	5.30	5.28	5.27	5.25	5.24
155.0	5.40	5.43	5.46	5.49	5.52	5.56	5.59	5.62	5.65	5.68
157.5	5.82	5.81	5.80	5.79	5.78	5.77	5.76	5.75	5.74	5.74
160.0	5.85	5.87	5.89	5.90	5.92	5.94	5.96	5.97	5.99	6.01
162.5	6.07	6.08	6.08	6.09	6.10	6.10	6.11	6.12	6.12	6.13
165.0	6.23	6.25	6.27	6.29	6.31	6.32	6.34	6.36	6.38	6.40
167.5	6.43	6.43	6.42	6.42	6.42	6.41	6.41	6.41	6.40	6.40
170.0	6.51	6.50	6.50	6.49	6.49	6.48	6.48	6.47	6.47	6.46
172.5	6.62	6.61	6.60	6.58	6.57	6.56	6.55	6.53	6.52	6.51
175.0	6.62	6.61	6.60	6.58	6.57	6.56	6.55	6.53	6.52	6.51
177.5	6.54	6.54	6.53	6.53	6.53	6.53	6.52	6.52	6.52	6.52
180.0	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00

**Vert.
Angles**

Horizontal Angles

	<u>250.0</u>	<u>252.5</u>	<u>255.0</u>	<u>257.5</u>	<u>260.0</u>	<u>262.5</u>	<u>265.0</u>	<u>267.5</u>	<u>270.0</u>	<u>272.5</u>
0.0	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01
2.5	3953.02	3953.62	3954.23	3954.83	3955.43	3956.04	3956.64	3957.25	3957.85	3959.80
5.0	3933.31	3935.03	3936.75	3938.47	3940.19	3941.91	3943.63	3945.35	3947.07	3950.96
7.5	3913.73	3915.29	3916.84	3918.39	3919.94	3921.50	3923.05	3924.60	3926.16	3929.21
10.0	3884.46	3887.10	3889.75	3892.40	3895.04	3897.69	3900.34	3902.98	3905.63	3908.71
12.5	3843.84	3847.77	3851.71	3855.64	3859.58	3863.52	3867.45	3871.39	3875.33	3878.75
15.0	3797.36	3802.74	3808.12	3813.50	3818.89	3824.27	3829.65	3835.03	3840.41	3843.55
17.5	3739.71	3746.14	3752.57	3759.00	3765.43	3771.86	3778.29	3784.72	3791.15	3795.31
20.0	3672.19	3679.13	3686.08	3693.02	3699.97	3706.91	3713.86	3720.80	3727.75	3734.54
22.5	3615.20	3622.23	3629.26	3636.29	3643.32	3650.35	3657.38	3664.41	3671.44	3677.30
25.0	3542.60	3550.47	3558.34	3566.21	3574.07	3581.94	3589.81	3597.68	3605.55	3611.23

IES ROAD REPORT
PHOTOMETRIC FILENAME : SFCL-WB-LED-PL1-40.IES

CANDELA TABULATION - (Cont.)

27.5	3458.18	3465.91	3473.64	3481.37	3489.10	3496.83	3504.56	3512.29	3520.02	3527.07
30.0	3368.30	3376.52	3384.74	3392.96	3401.18	3409.40	3417.62	3425.84	3434.06	3441.80
32.5	3263.83	3273.43	3283.03	3292.62	3302.22	3311.82	3321.41	3331.01	3340.61	3348.95
35.0	3162.60	3171.64	3180.68	3189.72	3198.77	3207.81	3216.85	3225.89	3234.93	3245.11
37.5	3040.45	3051.35	3062.24	3073.14	3084.03	3094.92	3105.82	3116.71	3127.61	3137.48
40.0	2913.37	2925.98	2938.58	2951.18	2963.79	2976.39	2988.99	3001.60	3014.20	3024.37
42.5	2778.27	2791.52	2804.77	2818.02	2831.27	2844.52	2857.77	2871.02	2884.27	2894.36
45.0	2633.24	2646.86	2660.48	2674.10	2687.72	2701.34	2714.96	2728.58	2742.20	2752.99
47.5	2488.03	2501.59	2515.16	2528.72	2542.28	2555.84	2569.41	2582.97	2596.53	2608.44
50.0	2320.39	2334.98	2349.57	2364.16	2378.74	2393.33	2407.92	2422.51	2437.10	2450.25
52.5	2132.54	2148.82	2165.11	2181.40	2197.69	2213.97	2230.26	2246.55	2262.84	2277.19
55.0	1931.87	1948.64	1965.41	1982.18	1998.96	2015.73	2032.50	2049.27	2066.04	2081.50
57.5	1690.96	1708.52	1726.07	1743.63	1761.19	1778.75	1796.31	1813.87	1831.42	1849.33
60.0	1438.80	1456.54	1474.28	1492.02	1509.76	1527.50	1545.24	1562.98	1580.72	1599.37
62.5	1194.95	1212.34	1229.74	1247.13	1264.52	1281.92	1299.31	1316.71	1334.10	1352.49
65.0	972.96	989.07	1005.19	1021.30	1037.41	1053.52	1069.64	1085.75	1101.86	1118.25
67.5	774.11	788.49	802.87	817.25	831.63	846.01	860.39	874.77	889.15	903.18
70.0	599.69	611.92	624.16	636.39	648.62	660.85	673.09	685.32	697.55	709.02
72.5	452.96	462.75	472.54	482.33	492.12	501.91	511.70	521.49	531.29	539.91
75.0	329.29	336.82	344.34	351.87	359.40	366.93	374.45	381.98	389.51	395.60
77.5	229.06	234.53	240.00	245.48	250.95	256.42	261.89	267.37	272.84	276.99
80.0	149.86	153.53	157.19	160.86	164.53	168.20	171.86	175.53	179.20	181.65
82.5	92.52	94.97	97.43	99.88	102.34	104.79	107.25	109.70	112.16	113.05
85.0	47.90	49.46	51.02	52.58	54.14	55.70	57.26	58.82	60.38	60.51
87.5	8.40	8.76	9.11	9.47	9.82	10.18	10.53	10.89	11.25	11.37
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.10	0.09	0.07	0.06	0.05	0.04	0.02	0.01	0.00	0.00
102.5	0.30	0.26	0.22	0.19	0.15	0.11	0.07	0.04	0.00	0.00
105.0	0.55	0.48	0.41	0.34	0.28	0.21	0.14	0.07	0.00	0.00
107.5	0.82	0.72	0.61	0.51	0.41	0.31	0.20	0.10	0.00	0.00
110.0	1.12	1.01	0.89	0.78	0.67	0.56	0.44	0.33	0.22	0.20
112.5	1.36	1.24	1.12	0.99	0.87	0.75	0.63	0.51	0.39	0.37
115.0	1.53	1.39	1.24	1.10	0.96	0.82	0.67	0.53	0.39	0.39
117.5	1.66	1.54	1.42	1.30	1.18	1.06	0.93	0.81	0.69	0.67
120.0	1.76	1.68	1.59	1.51	1.43	1.35	1.26	1.18	1.10	1.05
122.5	2.00	1.92	1.83	1.75	1.66	1.58	1.49	1.41	1.32	1.26
125.0	2.08	1.99	1.91	1.82	1.73	1.64	1.56	1.47	1.38	1.35
127.5	2.48	2.38	2.27	2.16	2.05	1.95	1.84	1.73	1.63	1.59
130.0	2.73	2.61	2.50	2.38	2.27	2.15	2.04	1.92	1.81	1.77
132.5	3.10	2.97	2.84	2.70	2.57	2.44	2.30	2.17	2.04	1.99
135.0	3.31	3.16	3.02	2.87	2.73	2.58	2.44	2.29	2.15	2.10
137.5	3.51	3.34	3.18	3.01	2.84	2.68	2.51	2.34	2.18	2.13
140.0	3.78	3.61	3.43	3.25	3.08	2.90	2.72	2.55	2.37	2.34
142.5	4.05	3.88	3.70	3.53	3.35	3.17	3.00	2.82	2.65	2.60
145.0	4.24	4.08	3.93	3.77	3.61	3.45	3.30	3.14	2.98	2.91
147.5	4.43	4.26	4.10	3.93	3.76	3.59	3.42	3.25	3.09	3.03
150.0	4.72	4.53	4.35	4.17	3.98	3.80	3.62	3.43	3.25	3.20
152.5	5.02	4.81	4.60	4.39	4.18	3.97	3.76	3.55	3.34	3.30
155.0	5.42	5.15	4.89	4.63	4.36	4.10	3.84	3.57	3.31	3.32
157.5	5.47	5.20	4.94	4.67	4.40	4.14	3.87	3.60	3.34	3.40
160.0	5.79	5.57	5.35	5.13	4.90	4.68	4.46	4.24	4.02	4.02
162.5	5.97	5.80	5.64	5.47	5.31	5.15	4.98	4.82	4.66	4.61
165.0	6.23	6.06	5.88	5.71	5.54	5.37	5.19	5.02	4.85	4.81

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CANDELA TABULATION - (Cont.)

167.5	6.24	6.07	5.91	5.75	5.59	5.42	5.26	5.10	4.94	4.93
170.0	6.32	6.19	6.05	5.92	5.78	5.65	5.51	5.38	5.24	5.22
172.5	6.42	6.33	6.24	6.15	6.06	5.97	5.88	5.79	5.71	5.67
175.0	6.43	6.35	6.27	6.19	6.11	6.03	5.95	5.87	5.79	5.80
177.5	6.43	6.34	6.25	6.17	6.08	5.99	5.90	5.82	5.73	5.74
180.0	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00

Vert. Angles	Horizontal Angles									
	275.0	277.5	280.0	282.5	285.0	287.5	290.0	292.5	295.0	297.5
0.0	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01
2.5	3961.76	3963.71	3965.67	3967.62	3969.57	3971.53	3973.48	3975.44	3974.73	3974.03
5.0	3954.86	3958.75	3962.64	3966.54	3970.43	3974.32	3978.22	3982.11	3980.84	3979.57
7.5	3932.27	3935.33	3938.39	3941.44	3944.50	3947.56	3950.62	3953.68	3954.14	3954.61
10.0	3911.79	3914.86	3917.94	3921.02	3924.10	3927.17	3930.25	3933.33	3934.73	3936.13
12.5	3882.18	3885.61	3889.03	3892.46	3895.89	3899.31	3902.74	3906.17	3908.55	3910.94
15.0	3846.69	3849.83	3852.97	3856.12	3859.26	3862.40	3865.54	3868.68	3872.10	3875.52
17.5	3799.48	3803.65	3807.82	3811.99	3816.16	3820.32	3824.49	3828.66	3831.37	3834.09
20.0	3741.33	3748.11	3754.90	3761.69	3768.48	3775.26	3782.05	3788.84	3791.18	3793.53
22.5	3683.17	3689.04	3694.91	3700.78	3706.65	3712.51	3718.38	3724.25	3728.61	3732.97
25.0	3616.90	3622.58	3628.25	3633.93	3639.60	3645.28	3650.95	3656.63	3662.23	3667.82
27.5	3534.13	3541.19	3548.25	3555.31	3562.37	3569.43	3576.49	3583.55	3589.73	3595.90
30.0	3449.53	3457.27	3465.01	3472.74	3480.48	3488.22	3495.95	3503.69	3510.57	3517.45
32.5	3357.30	3365.65	3373.99	3382.34	3390.69	3399.04	3407.38	3415.73	3422.40	3429.06
35.0	3255.30	3265.48	3275.67	3285.85	3296.04	3306.22	3316.41	3326.59	3332.70	3338.80
37.5	3147.35	3157.23	3167.10	3176.97	3186.85	3196.72	3206.59	3216.47	3222.08	3227.70
40.0	3034.53	3044.70	3054.87	3065.03	3075.20	3085.37	3095.53	3105.70	3111.86	3118.01
42.5	2904.45	2914.55	2924.64	2934.73	2944.82	2954.91	2965.00	2975.10	2983.15	2991.20
45.0	2763.79	2774.58	2785.37	2796.17	2806.96	2817.75	2828.55	2839.34	2848.10	2856.85
47.5	2620.36	2632.27	2644.18	2656.09	2668.01	2679.92	2691.83	2703.75	2713.81	2723.87
50.0	2463.40	2476.55	2489.70	2502.86	2516.01	2529.16	2542.31	2555.46	2566.01	2576.56
52.5	2291.55	2305.90	2320.26	2334.62	2348.97	2363.33	2377.68	2392.04	2402.51	2412.99
55.0	2096.95	2112.41	2127.87	2143.32	2158.78	2174.24	2189.69	2205.15	2216.70	2228.25
57.5	1867.24	1885.15	1903.05	1920.96	1938.87	1956.78	1974.68	1992.59	2004.52	2016.45
60.0	1618.01	1636.66	1655.30	1673.95	1692.59	1711.24	1729.88	1748.53	1760.81	1773.09
62.5	1370.88	1389.28	1407.67	1426.06	1444.45	1462.85	1481.24	1499.63	1509.34	1519.05
65.0	1134.63	1151.02	1167.40	1183.79	1200.17	1216.56	1232.94	1249.33	1256.00	1262.68
67.5	917.22	931.25	945.29	959.32	973.36	987.39	1001.43	1015.47	1018.50	1021.53
70.0	720.48	731.95	743.42	754.88	766.35	777.82	789.28	800.75	801.02	801.29
72.5	548.54	557.17	565.79	574.42	583.05	591.68	600.30	608.93	607.47	606.01
75.0	401.70	407.79	413.88	419.98	426.07	432.16	438.26	444.35	441.94	439.53
77.5	281.14	285.30	289.45	293.60	297.75	301.91	306.06	310.21	307.52	304.82
80.0	184.09	186.54	188.99	191.43	193.88	196.33	198.77	201.22	198.65	196.08
82.5	113.95	114.85	115.74	116.64	117.54	118.44	119.33	120.23	117.57	114.91
85.0	60.64	60.78	60.91	61.04	61.17	61.31	61.44	61.57	59.03	56.49
87.5	11.50	11.63	11.76	11.88	12.01	12.14	12.27	12.40	11.61	10.83
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.17	0.15	0.12	0.10	0.07	0.05	0.02	0.00	0.00	0.00
112.5	0.36	0.34	0.33	0.31	0.30	0.28	0.27	0.25	0.22	0.19

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CANDELA TABULATION - (Cont.)

115.0	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.36	0.33
117.5	0.64	0.62	0.59	0.57	0.54	0.52	0.49	0.47	0.45	0.44
120.0	1.00	0.95	0.90	0.86	0.81	0.76	0.71	0.66	0.64	0.61
122.5	1.19	1.13	1.06	1.00	0.94	0.87	0.81	0.75	0.72	0.70
125.0	1.32	1.29	1.26	1.22	1.19	1.16	1.13	1.10	1.05	1.00
127.5	1.56	1.53	1.49	1.46	1.43	1.39	1.36	1.33	1.27	1.22
130.0	1.73	1.69	1.65	1.60	1.56	1.52	1.48	1.44	1.42	1.39
132.5	1.94	1.89	1.84	1.79	1.75	1.70	1.65	1.60	1.58	1.55
135.0	2.04	1.99	1.93	1.88	1.82	1.77	1.71	1.66	1.64	1.62
137.5	2.09	2.04	2.00	1.95	1.91	1.86	1.82	1.77	1.75	1.72
140.0	2.31	2.28	2.25	2.22	2.19	2.16	2.13	2.10	2.05	2.00
142.5	2.55	2.50	2.45	2.40	2.36	2.31	2.26	2.21	2.20	2.18
145.0	2.83	2.76	2.69	2.61	2.54	2.47	2.39	2.32	2.32	2.32
147.5	2.97	2.91	2.85	2.79	2.73	2.67	2.61	2.55	2.54	2.54
150.0	3.15	3.11	3.06	3.01	2.96	2.92	2.87	2.82	2.83	2.85
152.5	3.27	3.24	3.20	3.17	3.14	3.11	3.07	3.04	3.06	3.08
155.0	3.34	3.35	3.36	3.38	3.39	3.40	3.42	3.43	3.46	3.49
157.5	3.46	3.52	3.59	3.65	3.71	3.77	3.84	3.90	3.90	3.90
160.0	4.01	4.01	4.00	4.00	3.99	3.99	3.98	3.98	3.98	3.98
162.5	4.57	4.52	4.48	4.44	4.39	4.35	4.30	4.26	4.25	4.23
165.0	4.77	4.73	4.69	4.64	4.60	4.56	4.52	4.48	4.48	4.47
167.5	4.92	4.91	4.91	4.90	4.89	4.88	4.88	4.87	4.87	4.86
170.0	5.20	5.19	5.17	5.15	5.13	5.12	5.10	5.08	5.07	5.06
172.5	5.63	5.60	5.56	5.53	5.49	5.46	5.42	5.39	5.38	5.37
175.0	5.81	5.81	5.82	5.83	5.84	5.84	5.85	5.86	5.84	5.82
177.5	5.76	5.77	5.79	5.80	5.82	5.83	5.85	5.86	5.85	5.85
180.0	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00

Vert. Horizontal Angles
Angles

	<u>300.0</u>	<u>302.5</u>	<u>305.0</u>	<u>307.5</u>	<u>310.0</u>	<u>312.5</u>	<u>315.0</u>	<u>317.5</u>	<u>320.0</u>	<u>322.5</u>
0.0	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01
2.5	3973.33	3972.63	3971.93	3971.23	3970.53	3969.83	3969.13	3970.06	3971.00	3971.93
5.0	3978.30	3977.03	3975.76	3974.49	3973.22	3971.95	3970.68	3971.83	3972.98	3974.12
7.5	3955.07	3955.54	3956.00	3956.47	3956.93	3957.40	3957.87	3960.70	3963.54	3966.37
10.0	3937.53	3938.93	3940.33	3941.73	3943.13	3944.53	3945.93	3948.89	3951.86	3954.82
12.5	3913.33	3915.72	3918.11	3920.50	3922.88	3925.27	3927.66	3929.10	3930.53	3931.97
15.0	3878.94	3882.36	3885.78	3889.20	3892.62	3896.04	3899.46	3900.48	3901.51	3902.53
17.5	3836.80	3839.52	3842.23	3844.95	3847.66	3850.38	3853.09	3855.52	3857.94	3860.37
20.0	3795.87	3798.21	3800.56	3802.90	3805.24	3807.59	3809.93	3811.51	3813.10	3814.68
22.5	3737.34	3741.70	3746.06	3750.42	3754.78	3759.14	3763.51	3765.59	3767.67	3769.75
25.0	3673.42	3679.01	3684.61	3690.20	3695.80	3701.39	3706.99	3709.01	3711.03	3713.05
27.5	3602.08	3608.26	3614.43	3620.61	3626.79	3632.96	3639.14	3640.54	3641.95	3643.35
30.0	3524.34	3531.22	3538.10	3544.98	3551.87	3558.75	3565.63	3566.87	3568.10	3569.34
32.5	3435.73	3442.39	3449.06	3455.73	3462.39	3469.06	3475.73	3477.61	3479.49	3481.38
35.0	3344.91	3351.01	3357.12	3363.22	3369.33	3375.43	3381.54	3383.78	3386.02	3388.26
37.5	3233.31	3238.93	3244.54	3250.16	3255.77	3261.39	3267.01	3271.67	3276.33	3280.99
40.0	3124.17	3130.33	3136.48	3142.64	3148.80	3154.95	3161.11	3165.74	3170.37	3175.01
42.5	2999.25	3007.30	3015.35	3023.40	3031.45	3039.50	3047.55	3052.12	3056.70	3061.27
45.0	2865.61	2874.36	2883.12	2891.87	2900.63	2909.38	2918.14	2923.78	2929.42	2935.06
47.5	2733.94	2744.00	2754.06	2764.13	2774.19	2784.25	2794.32	2799.27	2804.23	2809.18
50.0	2587.12	2597.67	2608.22	2618.77	2629.33	2639.88	2650.43	2655.60	2660.76	2665.93
52.5	2423.46	2433.93	2444.41	2454.88	2465.35	2475.83	2486.30	2489.71	2493.13	2496.54
55.0	2239.80	2251.35	2262.90	2274.45	2286.00	2297.55	2309.10	2310.06	2311.02	2311.99
57.5	2028.38	2040.32	2052.25	2064.18	2076.11	2088.04	2099.97	2098.57	2097.16	2095.75
60.0	1785.37	1797.65	1809.94	1822.22	1834.50	1846.78	1859.06	1854.53	1849.99	1845.46

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CANDELA TABULATION - (Cont.)

62.5	1528.76	1538.46	1548.17	1557.88	1567.59	1577.30	1587.01	1581.35	1575.69	1570.04
65.0	1269.35	1276.03	1282.70	1289.38	1296.05	1302.73	1309.40	1303.27	1297.13	1291.00
67.5	1024.56	1027.59	1030.63	1033.66	1036.69	1039.72	1042.76	1036.45	1030.15	1023.84
70.0	801.56	801.83	802.11	802.38	802.65	802.92	803.19	797.73	792.27	786.81
72.5	604.56	603.10	601.64	600.18	598.73	597.27	595.81	591.59	587.37	583.15
75.0	437.12	434.71	432.30	429.89	427.48	425.07	422.66	419.06	415.45	411.85
77.5	302.13	299.44	296.74	294.05	291.36	288.66	285.97	282.61	279.25	275.89
80.0	193.50	190.93	188.36	185.79	183.21	180.64	178.07	174.96	171.86	168.75
82.5	112.24	109.58	106.92	104.26	101.59	98.93	96.27	93.61	90.96	88.30
85.0	53.95	51.41	48.86	46.32	43.78	41.24	38.70	36.83	34.96	33.09
87.5	10.05	9.27	8.49	7.71	6.92	6.14	5.36	5.04	4.72	4.41
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.17	0.14	0.11	0.08	0.06	0.03	0.00	0.00	0.00	0.00
115.0	0.30	0.27	0.23	0.20	0.17	0.14	0.11	0.10	0.09	0.07
117.5	0.42	0.41	0.39	0.38	0.36	0.35	0.33	0.33	0.34	0.34
120.0	0.59	0.56	0.54	0.51	0.49	0.46	0.44	0.43	0.43	0.42
122.5	0.68	0.66	0.64	0.62	0.59	0.57	0.55	0.54	0.53	0.52
125.0	0.96	0.91	0.86	0.81	0.77	0.72	0.67	0.67	0.67	0.67
127.5	1.17	1.12	1.06	1.01	0.96	0.91	0.86	0.87	0.89	0.91
130.0	1.37	1.34	1.32	1.29	1.27	1.24	1.22	1.23	1.23	1.24
132.5	1.53	1.50	1.48	1.46	1.43	1.41	1.39	1.40	1.42	1.44
135.0	1.61	1.59	1.57	1.55	1.54	1.52	1.50	1.53	1.56	1.59
137.5	1.70	1.67	1.65	1.62	1.60	1.57	1.55	1.60	1.66	1.71
140.0	1.95	1.90	1.86	1.81	1.76	1.71	1.66	1.72	1.77	1.83
142.5	2.17	2.15	2.14	2.12	2.11	2.09	2.08	2.11	2.14	2.17
145.0	2.32	2.32	2.33	2.33	2.33	2.33	2.33	2.37	2.42	2.46
147.5	2.54	2.54	2.53	2.53	2.53	2.53	2.53	2.58	2.64	2.70
150.0	2.86	2.87	2.89	2.90	2.91	2.93	2.94	2.97	3.00	3.03
152.5	3.10	3.12	3.14	3.16	3.18	3.20	3.22	3.25	3.28	3.31
155.0	3.53	3.56	3.59	3.62	3.66	3.69	3.72	3.73	3.75	3.76
157.5	3.90	3.90	3.91	3.91	3.91	3.91	3.91	3.91	3.92	3.92
160.0	3.99	3.99	3.99	3.99	4.00	4.00	4.00	4.03	4.05	4.08
162.5	4.22	4.20	4.19	4.17	4.16	4.14	4.13	4.17	4.21	4.25
165.0	4.47	4.46	4.46	4.45	4.45	4.44	4.44	4.49	4.54	4.59
167.5	4.86	4.85	4.85	4.84	4.84	4.83	4.83	4.86	4.89	4.92
170.0	5.05	5.04	5.03	5.02	5.01	5.00	4.99	5.07	5.14	5.22
172.5	5.36	5.35	5.34	5.33	5.32	5.31	5.30	5.35	5.40	5.45
175.0	5.79	5.77	5.75	5.73	5.70	5.68	5.66	5.70	5.74	5.78
177.5	5.84	5.83	5.83	5.82	5.81	5.81	5.80	5.83	5.87	5.90
180.0	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00

Vert. Angles **Horizontal Angles**

	<u>325.0</u>	<u>327.5</u>	<u>330.0</u>	<u>332.5</u>	<u>335.0</u>	<u>337.5</u>	<u>340.0</u>	<u>342.5</u>	<u>345.0</u>	<u>347.5</u>
0.0	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01	3962.01
2.5	3972.87	3973.80	3974.74	3975.67	3976.61	3977.54	3977.51	3977.49	3977.46	3977.44
5.0	3975.27	3976.42	3977.57	3978.71	3979.86	3981.01	3980.53	3980.06	3979.58	3979.10
7.5	3969.21	3972.04	3974.88	3977.71	3980.55	3983.38	3981.08	3978.78	3976.47	3974.17

IES ROAD REPORT
PHOTOMETRIC FILENAME : SFCL-WB-LED-PL1-40.IES

CANDELA TABULATION - (Cont.)

10.0	3957.78	3960.75	3963.71	3966.67	3969.64	3972.60	3968.77	3964.94	3961.11	3957.28
12.5	3933.41	3934.84	3936.28	3937.72	3939.15	3940.59	3937.11	3933.63	3930.15	3926.67
15.0	3903.56	3904.58	3905.61	3906.63	3907.66	3908.68	3907.63	3906.58	3905.53	3904.48
17.5	3862.79	3865.22	3867.64	3870.07	3872.49	3874.92	3874.93	3874.93	3874.94	3874.94
20.0	3816.27	3817.85	3819.44	3821.02	3822.61	3824.19	3825.49	3826.79	3828.09	3829.39
22.5	3771.84	3773.92	3776.00	3778.08	3780.17	3782.25	3782.49	3782.72	3782.96	3783.20
25.0	3715.07	3717.08	3719.10	3721.12	3723.14	3725.16	3725.26	3725.36	3725.47	3725.57
27.5	3644.75	3646.16	3647.56	3648.96	3650.37	3651.77	3653.33	3654.89	3656.45	3658.00
30.0	3570.57	3571.81	3573.04	3574.28	3575.51	3576.75	3577.92	3579.09	3580.26	3581.43
32.5	3483.26	3485.15	3487.03	3488.92	3490.80	3492.69	3493.29	3493.89	3494.50	3495.10
35.0	3390.50	3392.75	3394.99	3397.23	3399.47	3401.71	3401.69	3401.68	3401.66	3401.65
37.5	3285.65	3290.32	3294.98	3299.64	3304.30	3308.97	3308.58	3308.20	3307.82	3307.44
40.0	3179.64	3184.27	3188.90	3193.54	3198.17	3202.80	3202.33	3201.87	3201.40	3200.93
42.5	3065.85	3070.43	3075.00	3079.58	3084.15	3088.73	3089.18	3089.64	3090.09	3090.54
45.0	2940.70	2946.35	2951.99	2957.63	2963.27	2968.91	2969.03	2969.15	2969.26	2969.38
47.5	2814.14	2819.10	2824.05	2829.01	2833.96	2838.92	2838.33	2837.73	2837.14	2836.55
50.0	2671.09	2676.26	2681.42	2686.59	2691.75	2696.92	2695.15	2693.38	2691.60	2689.83
52.5	2499.96	2503.37	2506.78	2510.20	2513.61	2517.03	2514.39	2511.76	2509.13	2506.49
55.0	2312.95	2313.91	2314.87	2315.84	2316.80	2317.76	2313.91	2310.06	2306.21	2302.36
57.5	2094.34	2092.93	2091.52	2090.11	2088.70	2087.29	2081.36	2075.43	2069.50	2063.57
60.0	1840.92	1836.39	1831.85	1827.32	1822.78	1818.25	1812.90	1807.55	1802.19	1796.84
62.5	1564.38	1558.72	1553.07	1547.41	1541.76	1536.10	1531.75	1527.40	1523.05	1518.70
65.0	1284.86	1278.73	1272.59	1266.46	1260.32	1254.19	1249.92	1245.64	1241.37	1237.10
67.5	1017.54	1011.24	1004.93	998.63	992.32	986.02	982.38	978.74	975.11	971.47
70.0	781.35	775.88	770.42	764.96	759.50	754.04	750.61	747.18	743.74	740.31
72.5	578.92	574.70	570.48	566.26	562.04	557.82	554.57	551.33	548.09	544.85
75.0	408.25	404.64	401.04	397.44	393.83	390.23	387.47	384.71	381.95	379.19
77.5	272.53	269.18	265.82	262.46	259.10	255.74	253.76	251.78	249.79	247.81
80.0	165.65	162.54	159.44	156.33	153.23	150.12	148.63	147.13	145.64	144.15
82.5	85.64	82.98	80.33	77.67	75.01	72.36	71.33	70.30	69.27	68.24
85.0	31.22	29.36	27.49	25.62	23.75	21.88	21.36	20.84	20.32	19.80
87.5	4.09	3.77	3.45	3.13	2.81	2.50	2.44	2.39	2.34	2.29
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0	0.06	0.05	0.04	0.02	0.01	0.00	0.00	0.00	0.00	0.00
117.5	0.34	0.35	0.35	0.35	0.36	0.36	0.34	0.33	0.31	0.30
120.0	0.42	0.41	0.41	0.40	0.40	0.39	0.38	0.38	0.37	0.36
122.5	0.51	0.51	0.50	0.49	0.48	0.47	0.49	0.51	0.53	0.55
125.0	0.67	0.66	0.66	0.66	0.66	0.66	0.71	0.76	0.81	0.86
127.5	0.93	0.95	0.97	0.99	1.01	1.03	1.06	1.09	1.12	1.15
130.0	1.25	1.25	1.26	1.27	1.27	1.28	1.30	1.33	1.35	1.38
132.5	1.46	1.48	1.50	1.52	1.54	1.56	1.57	1.58	1.59	1.60
135.0	1.62	1.66	1.69	1.72	1.75	1.78	1.81	1.84	1.87	1.90
137.5	1.76	1.82	1.87	1.92	1.98	2.03	2.05	2.07	2.09	2.10
140.0	1.89	1.94	2.00	2.06	2.11	2.17	2.18	2.19	2.20	2.21
142.5	2.20	2.24	2.27	2.30	2.33	2.36	2.39	2.42	2.44	2.47
145.0	2.50	2.55	2.59	2.63	2.68	2.72	2.76	2.79	2.83	2.87
147.5	2.76	2.82	2.88	2.94	3.00	3.06	3.08	3.10	3.12	3.14

IES ROAD REPORT
PHOTOMETRIC FILENAME : SFCL-WB-LED-PL1-40.IES

CANDELA TABULATION - (Cont.)

150.0	3.06	3.10	3.13	3.16	3.19	3.22	3.24	3.26	3.28	3.30
152.5	3.34	3.38	3.41	3.44	3.47	3.50	3.53	3.57	3.60	3.63
155.0	3.77	3.79	3.80	3.81	3.83	3.84	3.85	3.86	3.87	3.88
157.5	3.93	3.93	3.94	3.94	3.95	3.95	3.98	4.00	4.03	4.06
160.0	4.10	4.13	4.15	4.18	4.20	4.23	4.25	4.28	4.30	4.32
162.5	4.29	4.34	4.38	4.42	4.46	4.50	4.53	4.55	4.58	4.61
165.0	4.64	4.69	4.74	4.79	4.84	4.89	4.90	4.90	4.91	4.91
167.5	4.95	4.99	5.02	5.05	5.08	5.12	5.14	5.16	5.18	5.20
170.0	5.29	5.37	5.44	5.52	5.59	5.67	5.67	5.68	5.68	5.69
172.5	5.50	5.55	5.60	5.65	5.70	5.76	5.76	5.77	5.78	5.79
175.0	5.82	5.85	5.89	5.93	5.97	6.01	6.03	6.04	6.06	6.08
177.5	5.93	5.96	6.00	6.03	6.06	6.10	6.12	6.15	6.18	6.20
180.0	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00

Vert. Angles **Horizontal Angles**

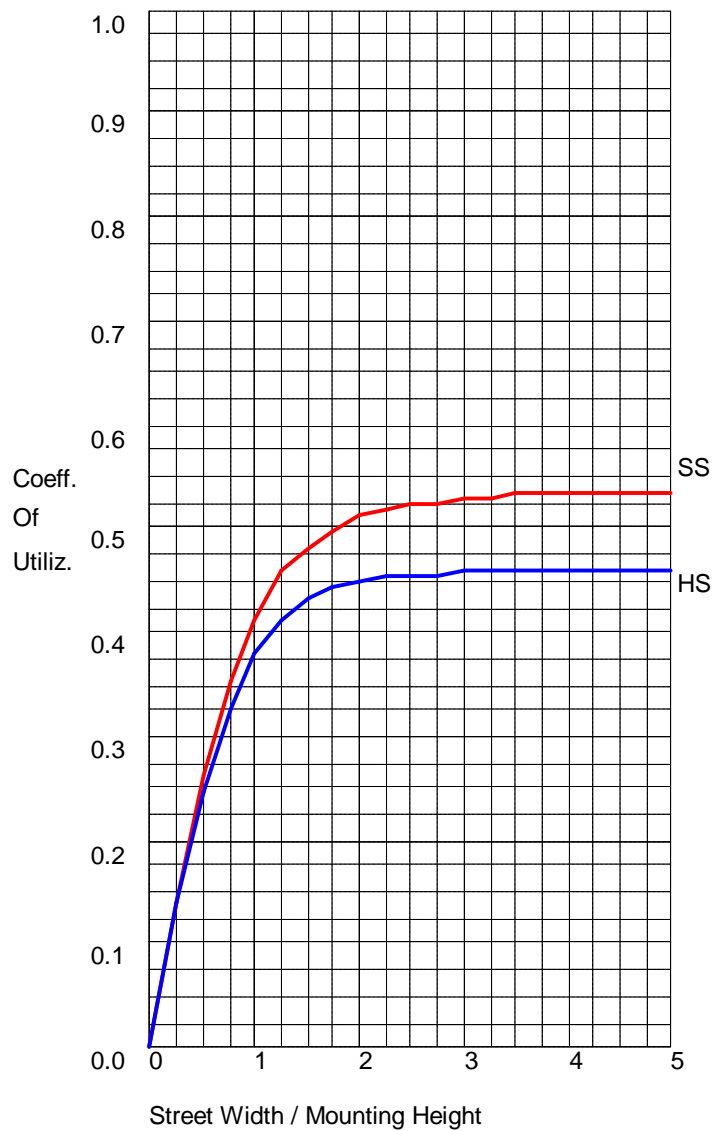
	<u>350.0</u>	<u>352.5</u>	<u>355.0</u>	<u>357.5</u>	<u>360.0</u>
0.0	3962.01	3962.01	3962.01	3962.01	3962.01
2.5	3977.41	3977.39	3977.36	3977.34	3977.31
5.0	3978.63	3978.15	3977.67	3977.20	3976.72
7.5	3971.87	3969.57	3967.26	3964.96	3962.66
10.0	3953.46	3949.63	3945.80	3941.97	3938.14
12.5	3923.19	3919.71	3916.23	3912.75	3909.27
15.0	3903.43	3902.38	3901.33	3900.28	3899.23
17.5	3874.95	3874.95	3874.96	3874.96	3874.97
20.0	3830.68	3831.98	3833.28	3834.58	3835.88
22.5	3783.43	3783.67	3783.91	3784.14	3784.38
25.0	3725.67	3725.77	3725.88	3725.98	3726.08
27.5	3659.56	3661.12	3662.68	3664.24	3665.80
30.0	3582.59	3583.76	3584.93	3586.10	3587.27
32.5	3495.70	3496.31	3496.91	3497.51	3498.12
35.0	3401.63	3401.62	3401.60	3401.59	3401.57
37.5	3307.06	3306.68	3306.30	3305.92	3305.54
40.0	3200.47	3200.00	3199.53	3199.07	3198.60
42.5	3090.99	3091.45	3091.90	3092.35	3092.81
45.0	2969.50	2969.62	2969.73	2969.85	2969.97
47.5	2835.96	2835.36	2834.77	2834.18	2833.59
50.0	2688.06	2686.29	2684.51	2682.74	2680.97
52.5	2503.86	2501.23	2498.60	2495.96	2493.33
55.0	2298.50	2294.65	2290.80	2286.95	2283.10
57.5	2057.64	2051.71	2045.78	2039.85	2033.91
60.0	1791.49	1786.14	1780.78	1775.43	1770.08
62.5	1514.34	1509.99	1505.64	1501.29	1496.94
65.0	1232.82	1228.55	1224.28	1220.00	1215.73
67.5	967.83	964.19	960.55	956.91	953.28
70.0	736.88	733.45	730.01	726.58	723.15
72.5	541.61	538.37	535.13	531.89	528.65
75.0	376.42	373.66	370.90	368.14	365.38
77.5	245.83	243.85	241.86	239.88	237.90
80.0	142.65	141.16	139.67	138.17	136.68
82.5	67.22	66.19	65.16	64.13	63.11
85.0	19.29	18.77	18.25	17.73	17.21
87.5	2.23	2.18	2.13	2.08	2.03
90.0	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00

IES ROAD REPORT
PHOTOMETRIC FILENAME : SFCL-WB-LED-PL1-40.IES

CANDELA TABULATION - (Cont.)

97.5	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00
115.0	0.00	0.00	0.00	0.00	0.00
117.5	0.28	0.27	0.25	0.24	0.22
120.0	0.36	0.35	0.34	0.34	0.33
122.5	0.58	0.60	0.62	0.64	0.66
125.0	0.90	0.95	1.00	1.05	1.10
127.5	1.18	1.21	1.24	1.27	1.31
130.0	1.40	1.43	1.45	1.48	1.50
132.5	1.62	1.63	1.64	1.65	1.67
135.0	1.93	1.96	1.99	2.02	2.05
137.5	2.12	2.14	2.16	2.18	2.20
140.0	2.23	2.24	2.25	2.26	2.27
142.5	2.50	2.53	2.55	2.58	2.61
145.0	2.90	2.94	2.98	3.01	3.05
147.5	3.17	3.19	3.21	3.23	3.25
150.0	3.31	3.33	3.35	3.37	3.39
152.5	3.67	3.70	3.73	3.77	3.80
155.0	3.90	3.91	3.92	3.93	3.94
157.5	4.08	4.11	4.14	4.16	4.19
160.0	4.35	4.37	4.39	4.42	4.44
162.5	4.64	4.66	4.69	4.72	4.75
165.0	4.92	4.92	4.93	4.93	4.94
167.5	5.22	5.24	5.26	5.28	5.30
170.0	5.69	5.70	5.70	5.71	5.71
172.5	5.80	5.81	5.81	5.82	5.83
175.0	6.09	6.11	6.13	6.14	6.16
177.5	6.23	6.26	6.28	6.31	6.34
180.0	6.00	6.00	6.00	6.00	6.00

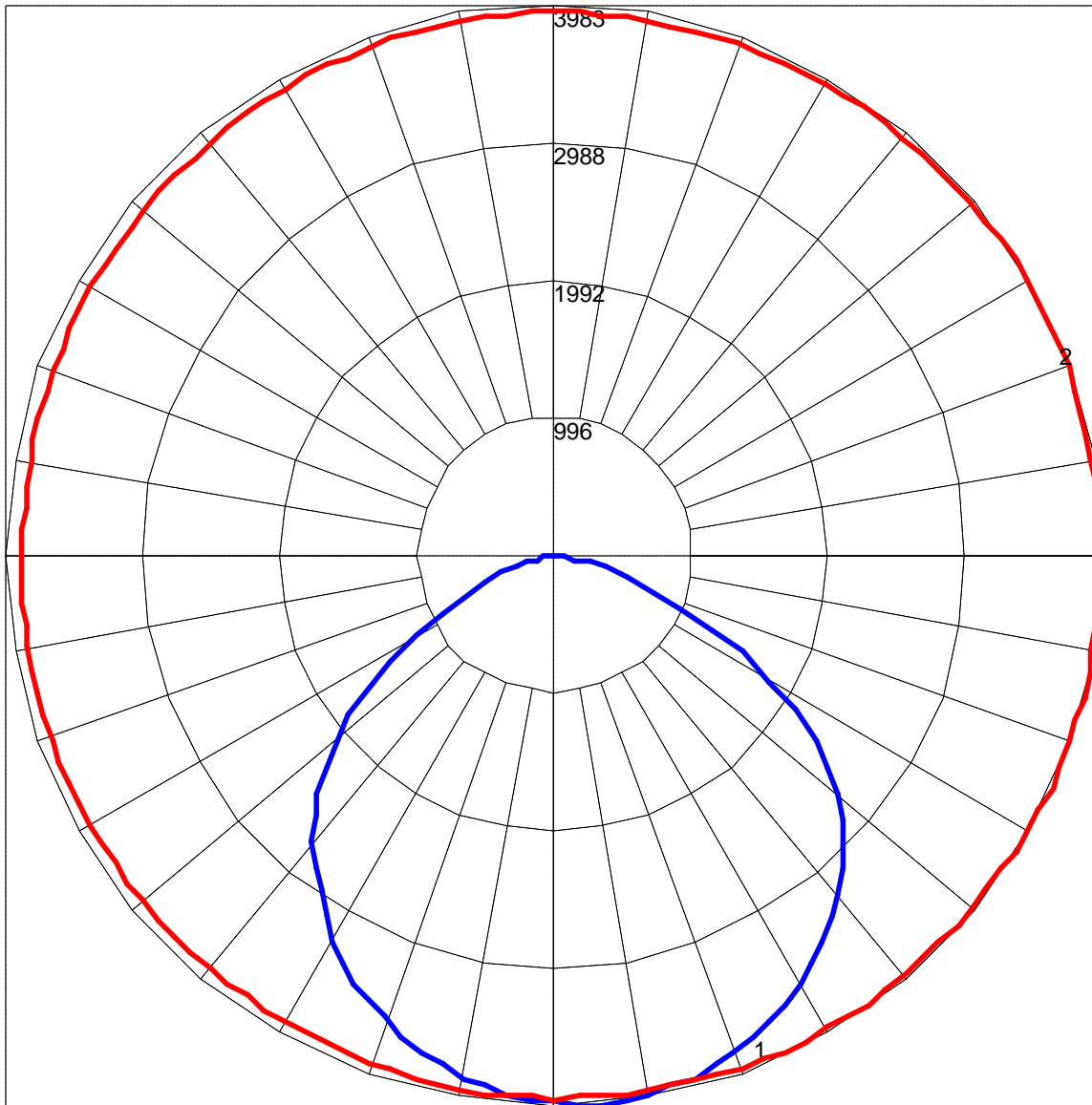
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

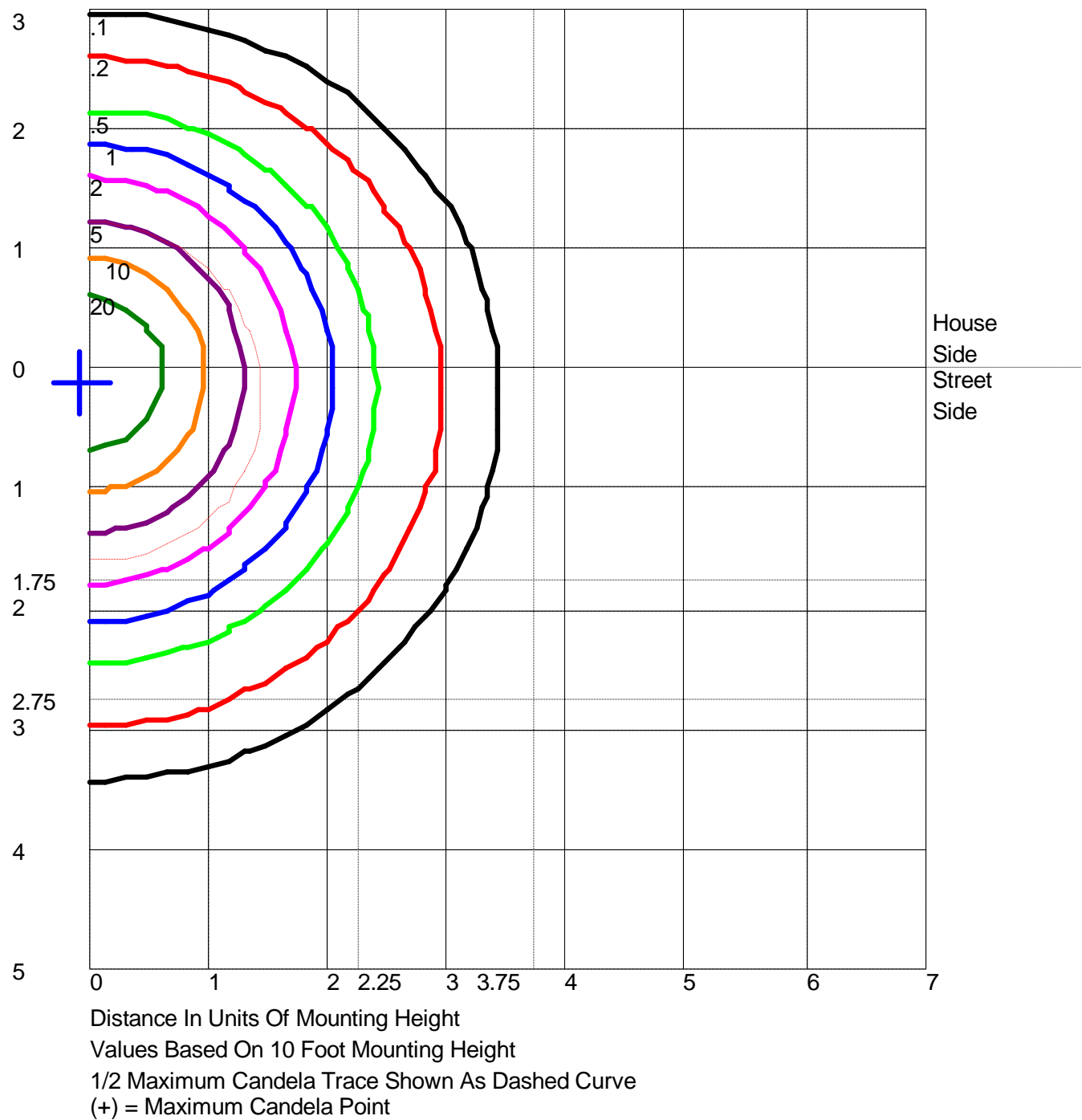
	Lumens	Percent Of Luminaire
Downward Street Side	5595.3	53.6
Downward House Side	4823.0	46.2
Downward Total	10418.3	99.9
Upward Street Side	4.3	0.0
Upward House Side	7.4	0.1
Upward Total	11.7	0.1
Total Flux	10430.0	100.0

POLAR GRAPH

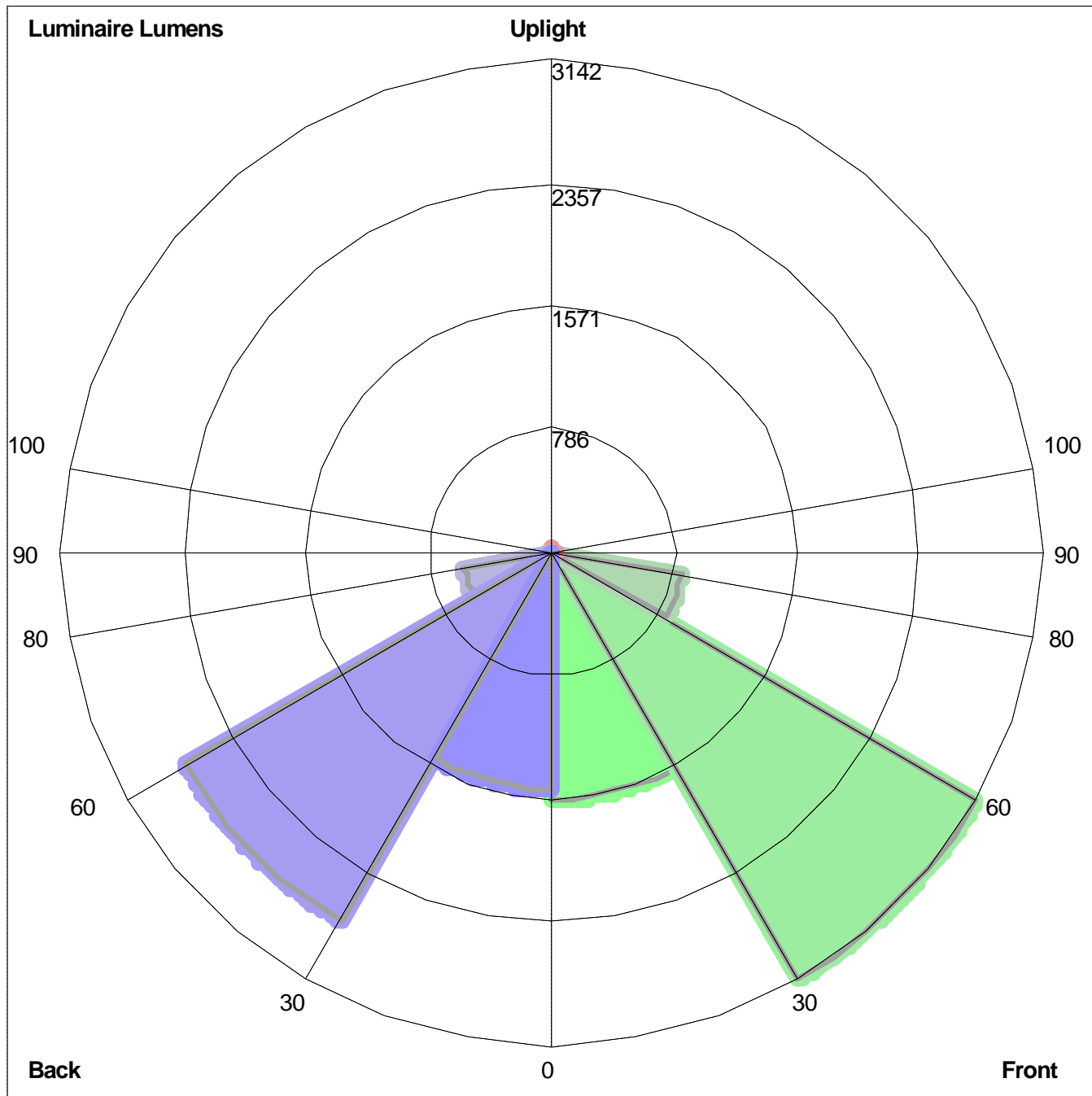


Maximum Candela = 3983.38 Located At Horizontal Angle = 337.5, Vertical Angle = 7.5
1 - Vertical Plane Through Horizontal Angles (337.5 - 157.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (7.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1583.7, Medium=3142.4, High=837.3, Very High=31.9
Back: Low=1514.7, Medium=2712.5, High=573.3, Very High=22.6
Uplight: Low=0.0, High=11.7

BUG Rating : B3-U2-G2