



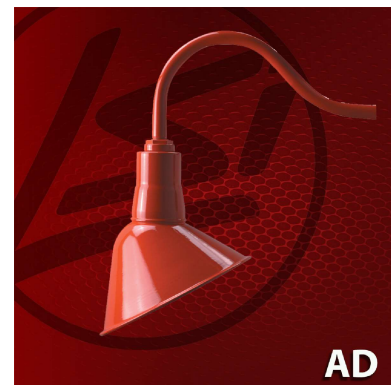
IES ROAD REPORT
PHOTOMETRIC FILENAME : AD-17L-30-GWT.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-11885
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 7/31/2020
[TEST DATE] 06/05/20
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] AD-17L-30-GWT
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED
[OTHER] SCALED FROM ORIGINAL TEST DATA
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor
[SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1768
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	138
Total Luminaire Watts	12.8
Ballast Factor	1.00
Upward Waste Light Ratio	0.01
Maximum Candela	644.028
Maximum Candela Angle	180H 10V
Maximum Candela (<90 Degrees Vertical)	644.028
Maximum Candela Angle (<90 Degrees Vertical)	180H 10V
Maximum Candela At 90 Degrees Vertical	42.388 (2.4% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	92.981 (5.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	256.6	N.A.	14.5
FM - Front-Medium (30-60)	457.7	N.A.	25.9
FH - Front-High (60-80)	82.0	N.A.	4.6
FVH - Front-Very High (80-90)	2.7	N.A.	0.2
BL - Back-Low (0-30)	259.7	N.A.	14.7
BM - Back-Medium (30-60)	484.1	N.A.	27.4
BH - Back-High (60-80)	172.7	N.A.	9.8
BVH - Back-Very High (80-90)	27.3	N.A.	1.5
UL - Uplight-Low (90-100)	12.8	N.A.	0.7
UH - Uplight-High (100-180)	12.0	N.A.	0.7
Total	1767.6	N.A.	100.0
BUG Rating	B1-U2-G1		

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CANDELA TABULATION

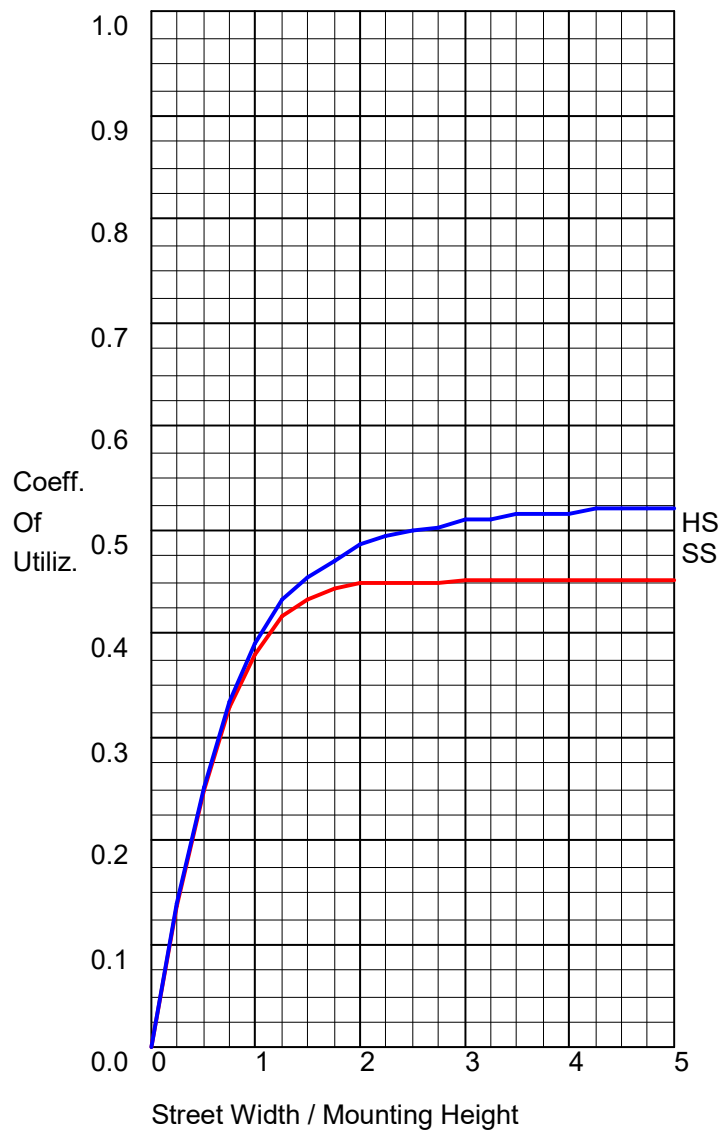
Vert. Angles	Horizontal Angles								
	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0
0.0	639.926	639.926	639.926	639.926	639.926	639.926	639.926	639.926	639.926
2.5	641.293	641.293	641.293	639.926	639.926	641.293	641.293	641.293	641.293
5.0	641.293	641.293	641.293	641.293	641.293	641.293	642.661	642.661	642.661
7.5	639.926	638.559	638.559	639.926	639.926	641.293	642.661	644.028	644.028
10.0	637.191	637.191	637.191	638.559	638.559	639.926	642.661	644.028	644.028
12.5	633.089	634.456	633.089	634.456	635.824	637.191	639.926	641.293	642.661
15.0	628.987	628.987	628.987	630.354	631.722	634.456	635.824	638.559	638.559
17.5	622.150	622.150	622.150	623.518	624.885	627.620	631.722	633.089	634.456
20.0	615.313	615.313	615.313	615.313	618.048	620.783	624.885	626.252	627.620
22.5	604.374	605.742	605.742	607.109	608.477	611.211	615.313	618.048	619.415
25.0	594.803	594.803	594.803	596.170	597.538	601.640	605.742	608.477	609.844
27.5	581.129	582.497	582.497	585.231	586.599	589.333	593.436	596.170	597.538
30.0	564.721	566.088	567.456	568.823	571.558	572.925	577.027	579.762	582.497
32.5	546.945	546.945	549.680	551.047	552.415	556.517	560.619	560.619	563.354
35.0	525.067	526.435	527.802	530.537	533.272	536.006	538.741	538.741	542.843
37.5	501.822	500.455	504.557	508.659	511.394	514.128	516.863	515.496	519.598
40.0	475.842	473.108	481.312	485.414	488.149	490.883	493.618	492.251	493.618
42.5	444.393	445.760	453.965	460.801	462.169	466.271	469.006	466.271	467.638
45.0	414.311	415.678	426.617	432.087	437.556	440.291	440.291	437.556	441.658
47.5	381.494	382.862	396.535	404.739	408.842	411.576	414.311	410.209	415.678
50.0	344.575	348.678	366.453	376.025	380.127	382.862	385.596	382.862	388.331
52.5	302.187	311.759	335.004	347.310	350.045	354.147	356.882	354.147	362.351
55.0	246.125	268.003	303.555	318.596	321.330	326.800	328.167	328.167	337.739
57.5	176.390	214.676	269.371	287.146	292.616	298.085	300.820	300.820	310.391
60.0	101.185	144.940	231.084	257.064	265.268	270.738	273.473	272.105	281.677
62.5	43.756	75.205	184.594	228.350	236.554	243.391	247.493	244.758	252.962
65.0	25.980	35.551	132.634	198.268	209.207	216.043	220.145	218.778	226.982
67.5	20.510	23.245	76.572	168.186	181.859	190.063	194.166	194.166	201.002
70.0	13.674	16.408	35.551	136.736	154.512	161.349	169.553	170.920	176.390
72.5	6.837	10.939	17.776	106.654	127.165	136.736	146.308	149.043	154.512
75.0	1.367	4.102	10.939	73.838	103.920	114.858	123.063	128.532	132.634
77.5	0.000	1.367	6.837	41.021	80.674	92.981	102.552	109.389	113.491
80.0	0.000	0.000	2.735	17.776	60.164	73.838	83.409	88.879	92.981
82.5	0.000	0.000	1.367	6.837	41.021	54.695	65.633	72.470	75.205
85.0	0.000	0.000	0.000	2.735	25.980	39.654	50.592	57.429	60.164
87.5	0.000	0.000	0.000	1.367	12.306	27.347	38.286	45.123	49.225
90.0	0.000	0.000	0.000	0.000	5.469	19.143	31.449	39.654	42.388
92.5	0.000	0.000	0.000	0.000	2.735	15.041	28.715	36.919	41.021
95.0	0.000	0.000	0.000	0.000	2.735	12.306	25.980	34.184	36.919
97.5	0.000	0.000	0.000	0.000	2.735	10.939	23.245	30.082	34.184
100.0	0.000	0.000	0.000	0.000	1.367	6.837	19.143	25.980	28.715
102.5	0.000	0.000	0.000	0.000	1.367	6.837	16.408	21.878	24.613
105.0	0.000	0.000	0.000	0.000	0.000	5.469	13.674	19.143	19.143
107.5	0.000	0.000	0.000	0.000	0.000	5.469	10.939	17.776	17.776
110.0	0.000	0.000	0.000	0.000	0.000	4.102	10.939	15.041	17.776
112.5	0.000	0.000	0.000	0.000	0.000	2.735	9.572	13.674	16.408
115.0	0.000	0.000	0.000	0.000	0.000	1.367	9.572	12.306	13.674
117.5	0.000	0.000	0.000	0.000	0.000	0.000	8.204	12.306	12.306
120.0	0.000	0.000	0.000	0.000	0.000	0.000	6.837	10.939	12.306
122.5	0.000	0.000	0.000	0.000	0.000	0.000	2.735	9.572	10.939
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	8.204	9.572
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.102	8.204
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.735

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CANDELA TABULATION - (Cont.)

132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

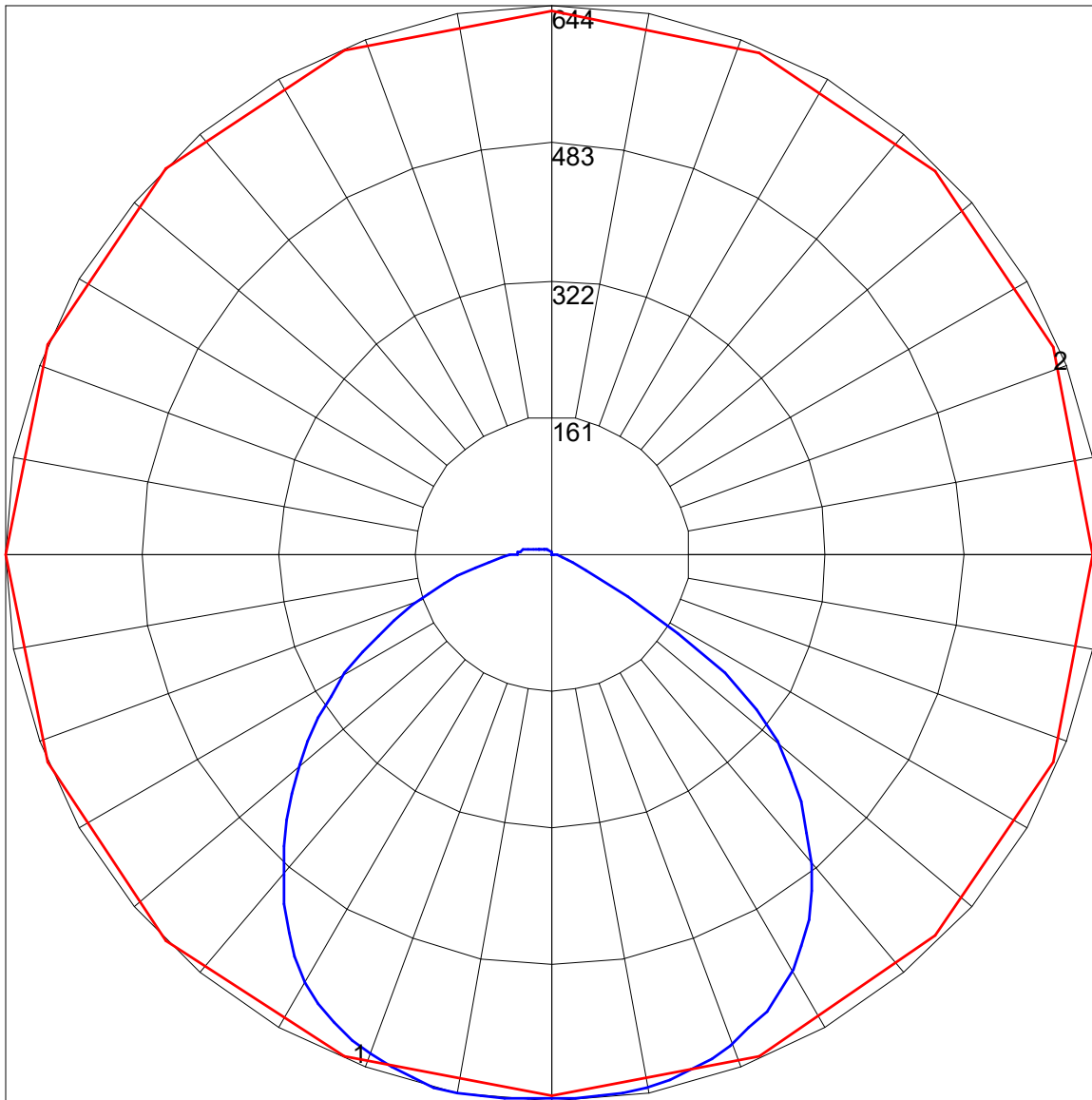
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

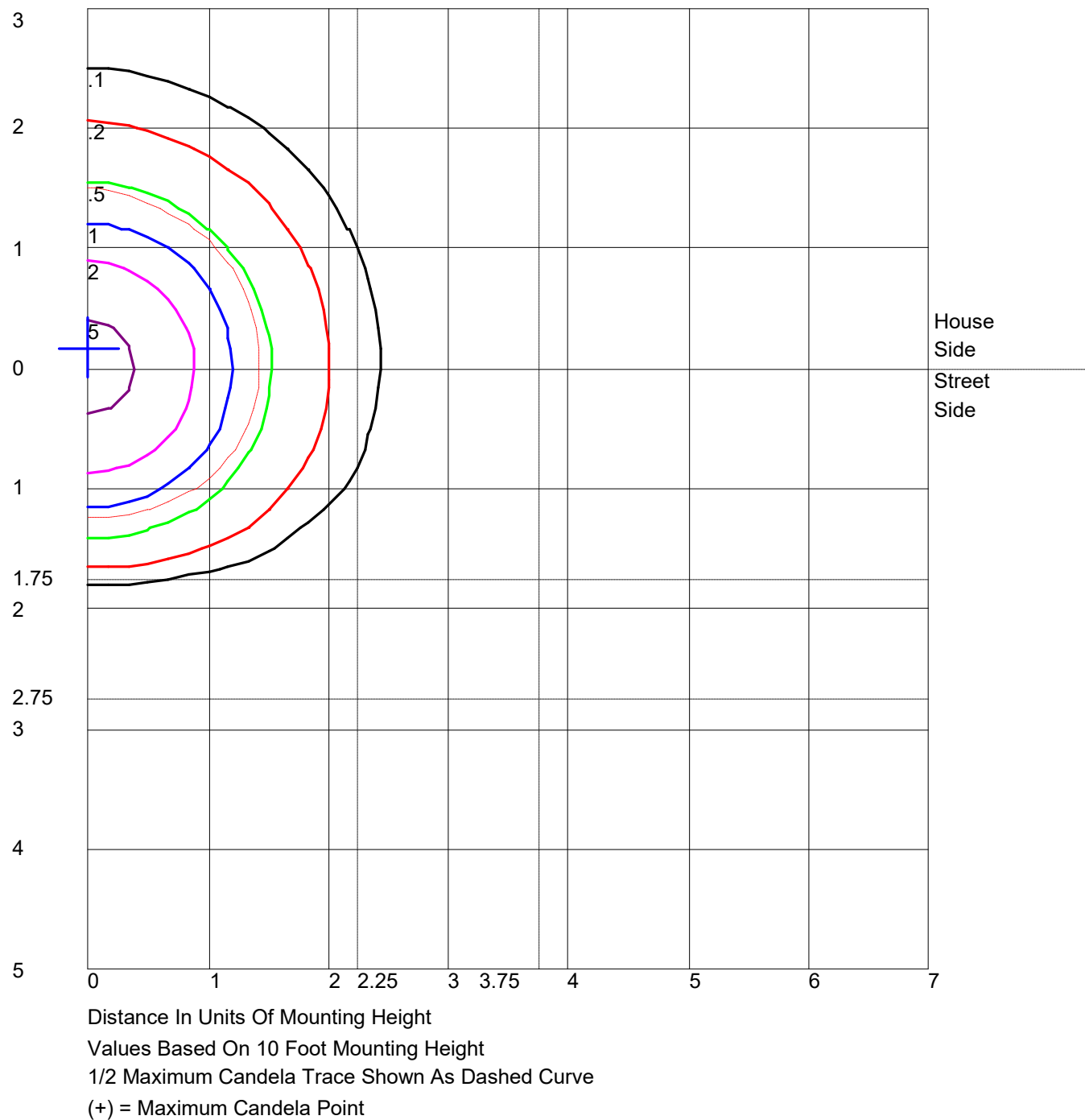
	Lumens	Percent Of Luminaire
Downward Street Side	799.0	45.2
Downward House Side	943.9	53.4
Downward Total	1742.9	98.6
Upward Street Side	0.2	0.0
Upward House Side	24.5	1.4
Upward Total	24.7	1.4
Total Flux	1767.6	100.0

POLAR GRAPH

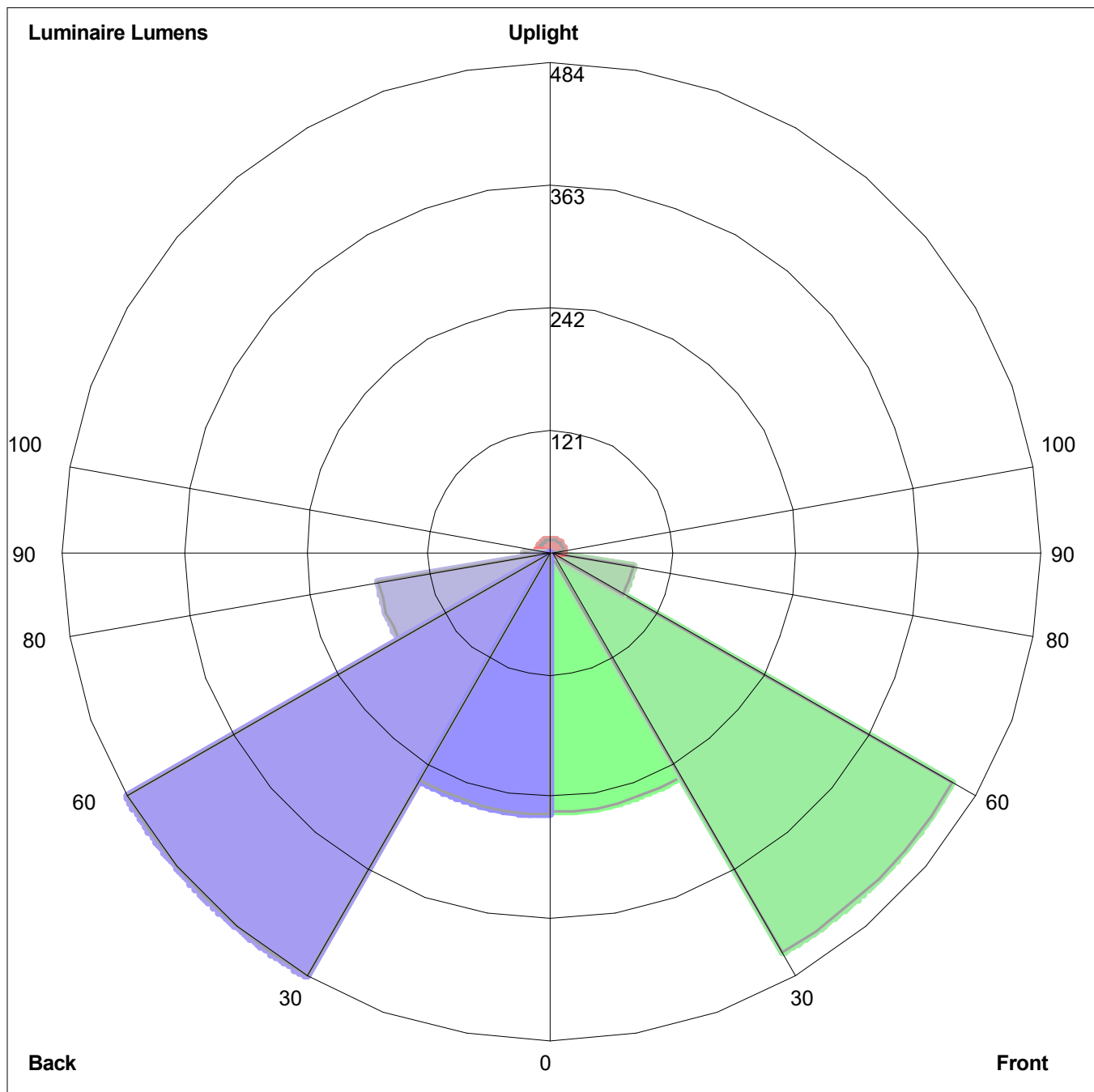


Maximum Candela = 644.028 Located At Horizontal Angle = 180, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (180 - 0) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=256.6, Medium=457.7, High=82.0, Very High=2.7
Back: Low=259.7, Medium=484.1, High=172.7, Very High=27.3
Uplight: Low=12.8, High=12.0

BUG Rating : B1-U2-G1