



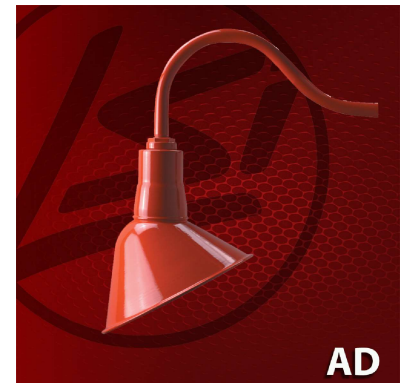
**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : AD-17L-27-GWT.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-11884  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUE DATE] 7/31/2020  
[TEST DATE] 06/05/20  
[MANUFACTURER] LSI INDUSTRIES, INC.  
[LUMEN CATEGORY] AD-17L-27-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\_SOURCE TYPE] 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	1586
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	12.8
Ballast Factor	1.00
Upward Waste Light Ratio	0.02
Maximum Candela	601.447
Maximum Candela Angle	180H 10V
Maximum Candela (<90 Degrees Vertical)	601.447
Maximum Candela Angle (<90 Degrees Vertical)	180H 10V
Maximum Candela At 90 Degrees Vertical	53.31 (3.4% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	105.253 (6.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	232.2	N.A.	14.6
FM - Front-Medium (30-60)	375.3	N.A.	23.7
FH - Front-High (60-80)	50.9	N.A.	3.2
FVH - Front-Very High (80-90)	1.7	N.A.	0.1
BL - Back-Low (0-30)	241.0	N.A.	15.2
BM - Back-Medium (30-60)	455.1	N.A.	28.7
BH - Back-High (60-80)	169.6	N.A.	10.7
BVH - Back-Very High (80-90)	29.4	N.A.	1.9
UL - Uplight-Low (90-100)	15.8	N.A.	1.0
UH - Uplight-High (100-180)	15.5	N.A.	1.0
Total	1586.5	N.A.	100.0
BUG Rating	B1-U2-G1		

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**CANDELA TABULATION**

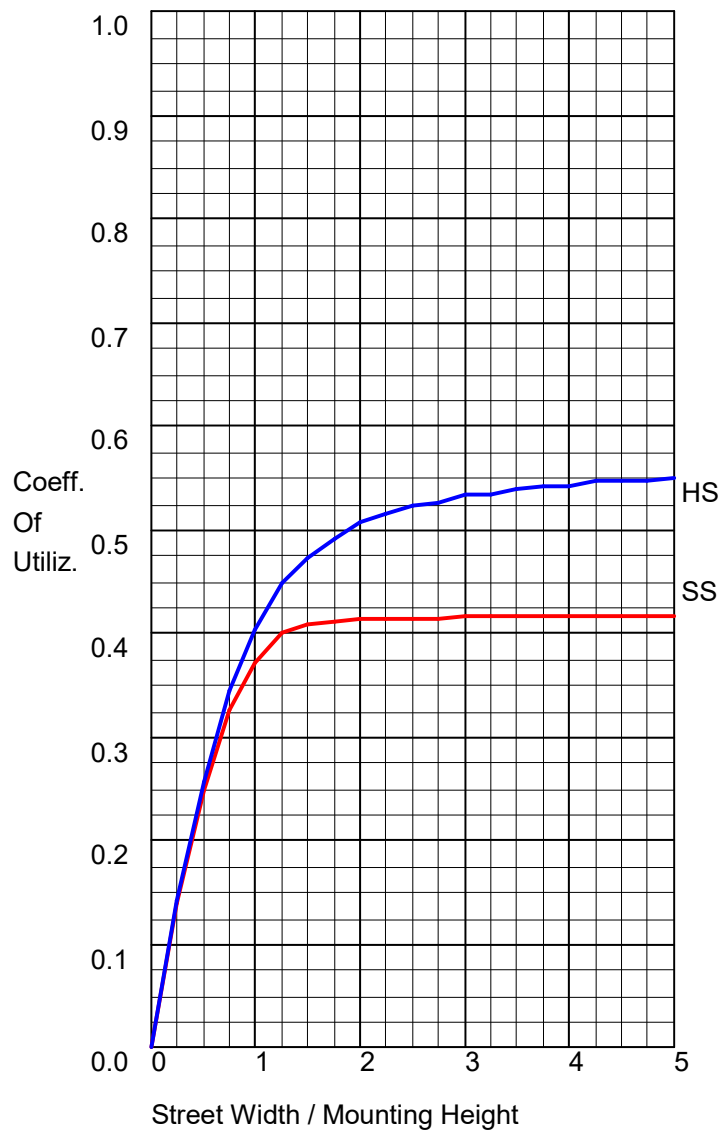
<b>Vert. Angles</b>	<b>Horizontal Angles</b>								
	<u><b>0.0</b></u>	<u><b>22.5</b></u>	<u><b>45.0</b></u>	<u><b>67.5</b></u>	<u><b>90.0</b></u>	<u><b>112.5</b></u>	<u><b>135.0</b></u>	<u><b>157.5</b></u>	<u><b>180.0</b></u>
<b>0.0</b>	589.145	589.145	589.145	589.145	589.145	589.145	589.145	589.145	589.145
<b>2.5</b>	580.943	582.310	586.411	590.512	590.512	590.512	591.879	595.979	597.346
<b>5.0</b>	579.576	580.943	586.411	590.512	591.879	590.512	593.245	598.713	600.080
<b>7.5</b>	576.842	578.209	583.677	587.778	590.512	590.512	594.612	600.080	601.447
<b>10.0</b>	572.742	575.475	579.576	586.411	587.778	589.145	593.245	600.080	601.447
<b>12.5</b>	570.008	571.375	576.842	582.310	585.044	586.411	591.879	598.713	600.080
<b>15.0</b>	564.540	565.907	571.375	576.842	580.943	582.310	589.145	595.979	597.346
<b>17.5</b>	557.705	559.072	564.540	570.008	574.109	578.209	585.044	591.879	595.979
<b>20.0</b>	549.504	552.238	557.705	563.173	567.274	571.375	579.576	586.411	590.512
<b>22.5</b>	539.935	542.669	548.137	553.605	557.705	561.806	571.375	579.576	583.677
<b>25.0</b>	529.000	530.367	537.202	542.669	546.770	552.238	561.806	571.375	575.475
<b>27.5</b>	513.964	516.698	523.532	529.000	534.468	539.935	549.504	560.439	564.540
<b>30.0</b>	497.561	500.295	508.496	513.964	519.432	526.266	535.835	546.770	552.238
<b>32.5</b>	478.424	481.158	487.992	496.194	503.028	508.496	518.065	530.367	537.202
<b>35.0</b>	456.553	456.553	466.121	477.057	483.891	489.359	500.295	512.597	519.432
<b>37.5</b>	433.315	433.315	442.884	455.186	463.388	470.222	479.791	493.460	500.295
<b>40.0</b>	404.610	407.344	418.279	433.315	441.517	448.351	457.920	471.589	479.791
<b>42.5</b>	374.537	380.005	390.941	408.711	418.279	425.114	433.315	449.718	459.287
<b>45.0</b>	337.630	347.199	362.235	382.739	393.674	400.509	407.344	425.114	437.416
<b>47.5</b>	291.155	308.925	332.163	354.034	367.703	374.537	382.739	400.509	416.912
<b>50.0</b>	222.809	259.716	300.724	328.062	341.731	348.566	358.134	375.904	396.408
<b>52.5</b>	139.426	191.370	266.550	300.724	315.760	322.594	330.796	351.300	374.537
<b>55.0</b>	69.713	116.189	225.543	272.018	289.788	297.990	304.824	326.695	351.300
<b>57.5</b>	34.173	56.044	173.599	244.680	263.817	272.018	280.220	299.357	323.961
<b>60.0</b>	25.972	30.072	117.556	217.341	239.212	247.413	256.982	276.119	296.623
<b>62.5</b>	20.504	23.238	65.612	187.269	213.240	222.809	231.010	250.147	266.550
<b>65.0</b>	15.036	17.770	31.439	155.829	187.269	199.571	207.773	226.910	241.946
<b>67.5</b>	9.568	12.302	20.504	123.023	161.297	173.599	184.535	203.672	214.607
<b>70.0</b>	2.734	6.835	15.036	87.483	136.693	150.362	164.031	180.434	191.370
<b>72.5</b>	0.000	1.367	9.568	51.943	112.088	128.491	140.793	158.563	166.765
<b>75.0</b>	0.000	0.000	4.101	25.972	90.217	107.987	121.656	139.426	144.894
<b>77.5</b>	0.000	0.000	1.367	12.302	69.713	88.850	103.886	118.922	124.390
<b>80.0</b>	0.000	0.000	0.000	6.835	50.576	71.080	86.116	98.419	105.253
<b>82.5</b>	0.000	0.000	0.000	2.734	32.806	54.677	69.713	82.016	87.483
<b>85.0</b>	0.000	0.000	0.000	1.367	17.770	38.274	54.677	66.979	71.080
<b>87.5</b>	0.000	0.000	0.000	0.000	8.202	25.972	43.742	54.677	58.778
<b>90.0</b>	0.000	0.000	0.000	0.000	4.101	20.504	38.274	49.209	53.310
<b>92.5</b>	0.000	0.000	0.000	0.000	1.367	17.770	35.540	46.475	50.576
<b>95.0</b>	0.000	0.000	0.000	0.000	1.367	15.036	32.806	43.742	47.842
<b>97.5</b>	0.000	0.000	0.000	0.000	1.367	10.935	30.072	41.008	43.742
<b>100.0</b>	0.000	0.000	0.000	0.000	1.367	8.202	25.972	36.907	39.641
<b>102.5</b>	0.000	0.000	0.000	0.000	0.000	5.468	21.871	32.806	34.173
<b>105.0</b>	0.000	0.000	0.000	0.000	0.000	5.468	19.137	28.705	30.072
<b>107.5</b>	0.000	0.000	0.000	0.000	0.000	4.101	16.403	24.605	25.972
<b>110.0</b>	0.000	0.000	0.000	0.000	0.000	4.101	12.302	20.504	21.871
<b>112.5</b>	0.000	0.000	0.000	0.000	0.000	2.734	10.935	19.137	20.504
<b>115.0</b>	0.000	0.000	0.000	0.000	0.000	1.367	9.568	16.403	19.137
<b>117.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	9.568	13.669	15.036
<b>120.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	6.835	12.302	13.669
<b>122.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	2.734	10.935	12.302
<b>125.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	9.568	10.935
<b>127.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.468	9.568
<b>130.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.367	4.101

IES ROAD REPORT  
PHOTOMETRIC FILENAME : AD-17L-27-GWT.IES

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	1.367	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	1.367	1.367
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.367
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.367
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	1.367	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

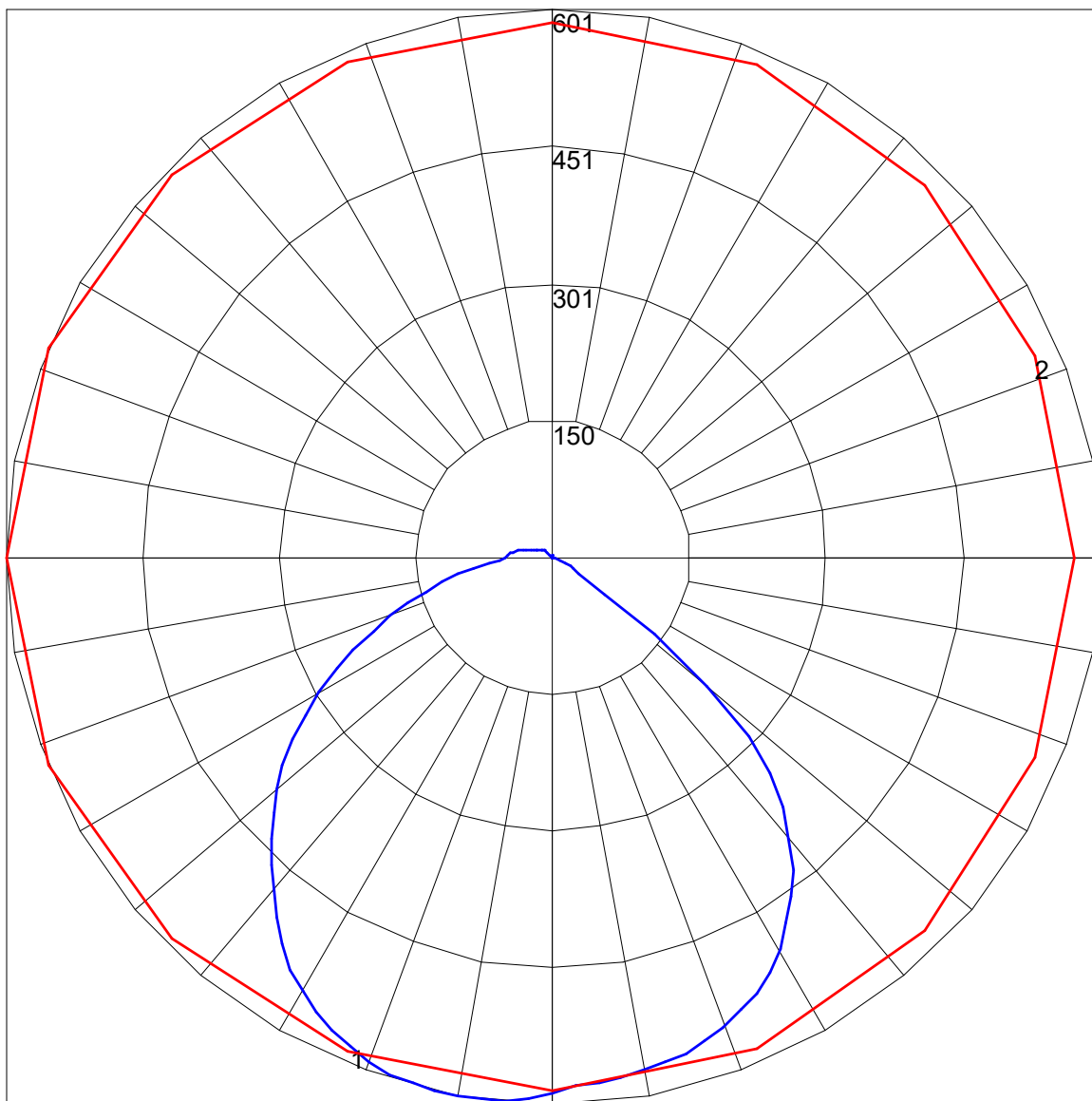
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

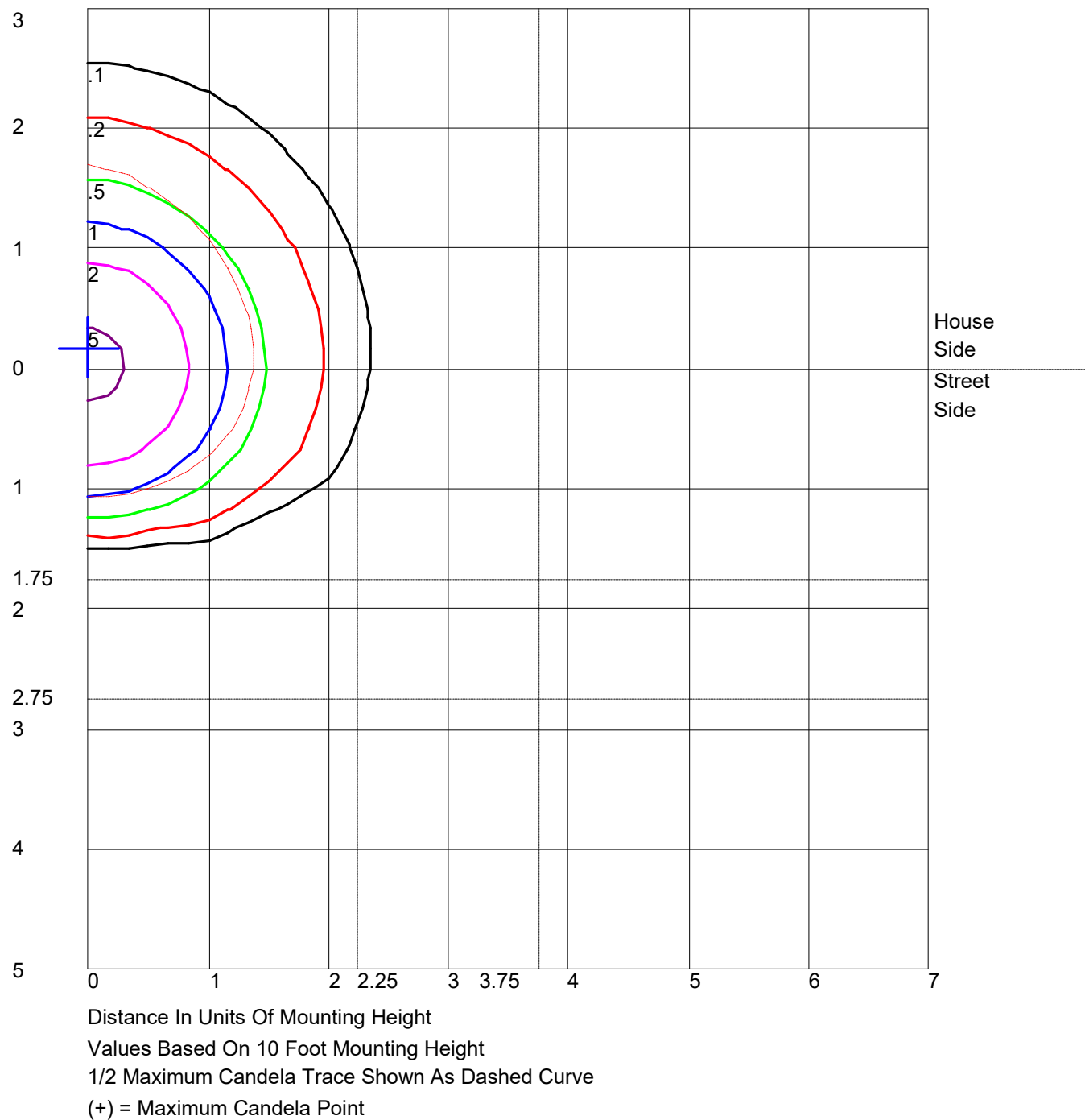
	Lumens	Percent Of Luminaire
Downward Street Side	660.0	41.6
Downward House Side	895.2	56.4
Downward Total	1555.2	98.0
Upward Street Side	0.1	0.0
Upward House Side	31.2	2.0
Upward Total	31.3	2.0
Total Flux	1586.5	100.0

POLAR GRAPH

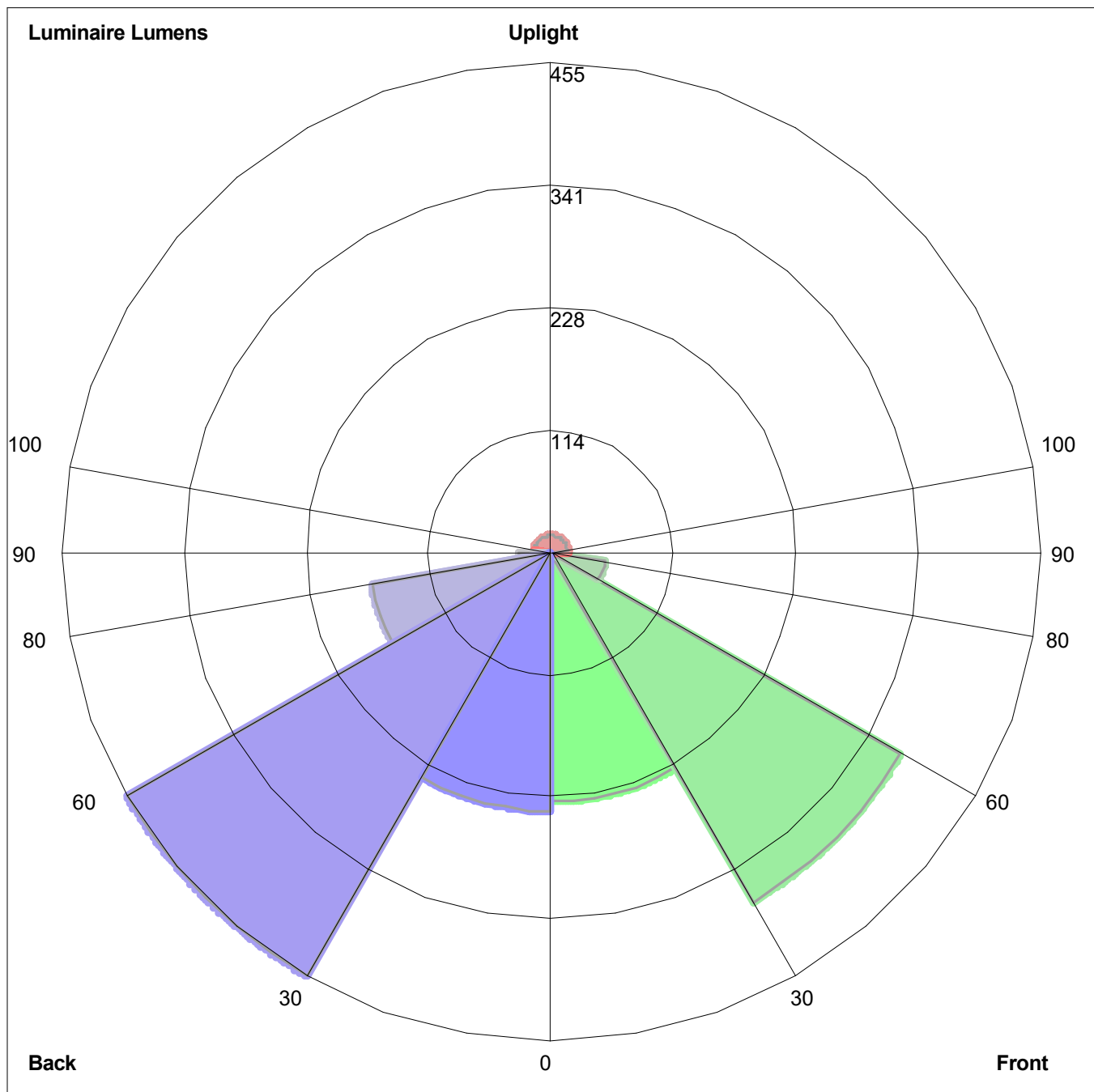


Maximum Candela = 601.447 Located At Horizontal Angle = 180, Vertical Angle = 10  
# 1 - Vertical Plane Through Horizontal Angles (180 - 0) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=232.2, Medium=375.3, High=50.9, Very High=1.7  
Back: Low=241.0, Medium=455.1, High=169.6, Very High=29.4  
Uplight: Low=15.8, High=15.5

BUG Rating : B1-U2-G1