



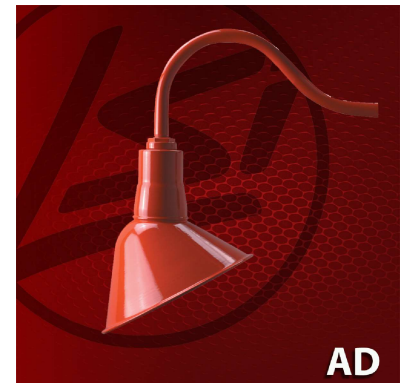
**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : AD-15L-27-GWT.IES**

**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  
[MANUFACT] LSI INDUSTRIES, INC.  
[LUMCAT] AD-15L-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\_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	1403
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	10.9
Ballast Factor	1.00
Upward Waste Light Ratio	0.02
Maximum Candela	531.714
Maximum Candela Angle	180H 10V
Maximum Candela (<90 Degrees Vertical)	531.714
Maximum Candela Angle (<90 Degrees Vertical)	180H 10V
Maximum Candela At 90 Degrees Vertical	47.129 (3.4% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	93.05 (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)	205.2	N.A.	14.6
FM - Front-Medium (30-60)	331.8	N.A.	23.7
FH - Front-High (60-80)	45.0	N.A.	3.2
FVH - Front-Very High (80-90)	1.5	N.A.	0.1
BL - Back-Low (0-30)	213.0	N.A.	15.2
BM - Back-Medium (30-60)	402.4	N.A.	28.7
BH - Back-High (60-80)	150.0	N.A.	10.7
BVH - Back-Very High (80-90)	26.0	N.A.	1.9
UL - Uplight-Low (90-100)	14.0	N.A.	1.0
UH - Uplight-High (100-180)	13.7	N.A.	1.0
Total	1402.6	N.A.	100.0
BUG Rating	B1-U2-G1		

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**CANDELA TABULATION**

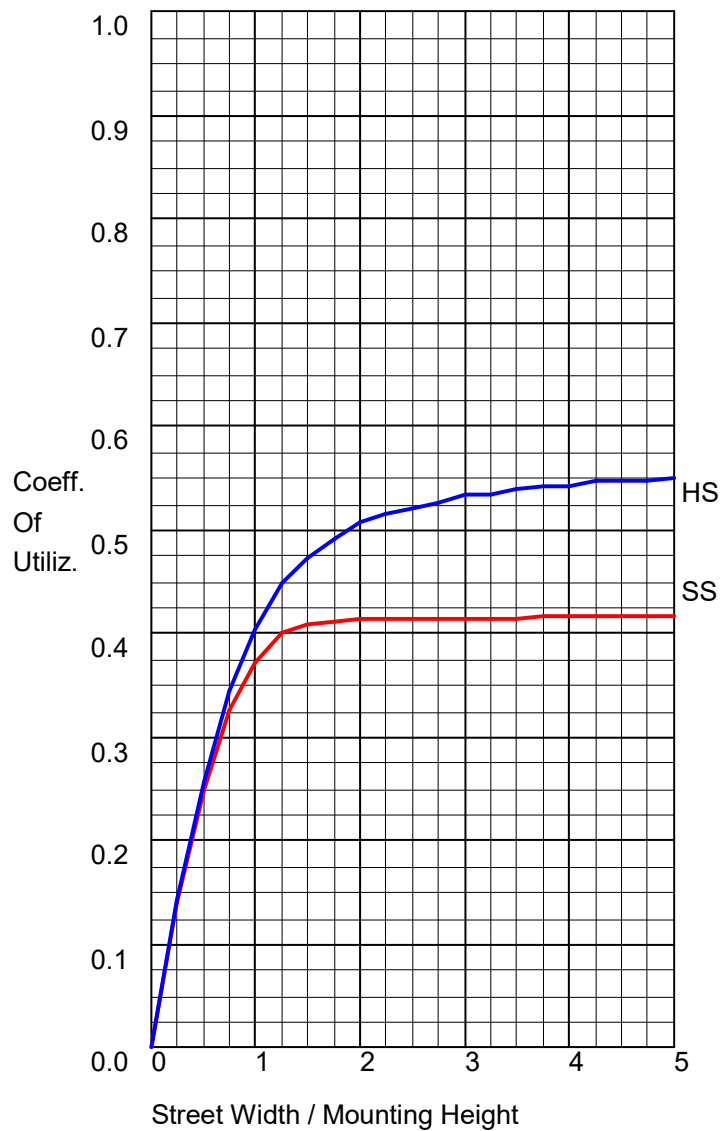
<b>Vert. Angles</b>	<b>Horizontal Angles</b>								
	<b>0.0</b>	<b>22.5</b>	<b>45.0</b>	<b>67.5</b>	<b>90.0</b>	<b>112.5</b>	<b>135.0</b>	<b>157.5</b>	<b>180.0</b>
<b>0.0</b>	520.838	520.838	520.838	520.838	520.838	520.838	520.838	520.838	520.838
<b>2.5</b>	513.587	514.796	518.421	522.047	522.047	522.047	523.255	526.880	528.089
<b>5.0</b>	512.379	513.587	518.421	522.047	523.255	522.047	524.463	529.297	530.506
<b>7.5</b>	509.962	511.171	516.004	519.630	522.047	522.047	525.672	530.506	531.714
<b>10.0</b>	506.337	508.754	512.379	518.421	519.630	520.838	524.463	530.506	531.714
<b>12.5</b>	503.920	505.128	509.962	514.796	517.213	518.421	523.255	529.297	530.506
<b>15.0</b>	499.086	500.295	505.128	509.962	513.587	514.796	520.838	526.880	528.089
<b>17.5</b>	493.044	494.252	499.086	503.920	507.545	511.171	517.213	523.255	526.880
<b>20.0</b>	485.793	488.210	493.044	497.878	501.503	505.128	512.379	518.421	522.047
<b>22.5</b>	477.334	479.751	484.585	489.419	493.044	496.669	505.128	512.379	516.004
<b>25.0</b>	467.667	468.875	474.917	479.751	483.376	488.210	496.669	505.128	508.754
<b>27.5</b>	454.374	456.791	462.833	467.667	472.500	477.334	485.793	495.461	499.086
<b>30.0</b>	439.873	442.289	449.540	454.374	459.208	465.250	473.709	483.376	488.210
<b>32.5</b>	422.954	425.371	431.413	438.664	444.706	449.540	457.999	468.875	474.917
<b>35.0</b>	403.619	403.619	412.078	421.746	427.788	432.622	442.289	453.165	459.208
<b>37.5</b>	383.076	383.076	391.535	402.411	409.662	415.704	424.163	436.247	442.289
<b>40.0</b>	357.699	360.115	369.783	383.076	390.326	396.369	404.828	416.912	424.163
<b>42.5</b>	331.113	335.947	345.614	361.324	369.783	375.825	383.076	397.577	406.036
<b>45.0</b>	298.485	306.944	320.237	338.363	348.031	354.073	360.115	375.825	386.701
<b>47.5</b>	257.398	273.108	293.651	312.986	325.071	331.113	338.363	354.073	368.575
<b>50.0</b>	196.976	229.604	265.857	290.026	302.110	308.152	316.612	332.321	350.448
<b>52.5</b>	123.261	169.182	235.646	265.857	279.150	285.192	292.443	310.569	331.113
<b>55.0</b>	61.630	102.717	199.393	240.480	256.189	263.440	269.482	288.817	310.569
<b>57.5</b>	30.211	49.546	153.472	216.311	233.229	240.480	247.730	264.649	286.401
<b>60.0</b>	22.960	26.586	103.926	192.142	211.477	218.728	227.187	244.105	262.232
<b>62.5</b>	18.127	20.543	58.005	165.556	188.517	196.976	204.227	221.145	235.646
<b>65.0</b>	13.293	15.710	27.794	137.762	165.556	176.432	183.683	200.601	213.894
<b>67.5</b>	8.459	10.876	18.127	108.760	142.596	153.472	163.140	180.058	189.725
<b>70.0</b>	2.417	6.042	13.293	77.340	120.844	132.929	145.013	159.514	169.182
<b>72.5</b>	0.000	1.208	8.459	45.921	99.092	113.593	124.469	140.179	147.430
<b>75.0</b>	0.000	0.000	3.625	22.960	79.757	95.467	107.551	123.261	128.095
<b>77.5</b>	0.000	0.000	1.208	10.876	61.630	78.549	91.842	105.134	109.968
<b>80.0</b>	0.000	0.000	0.000	6.042	44.712	62.839	76.132	87.008	93.050
<b>82.5</b>	0.000	0.000	0.000	2.417	29.003	48.338	61.630	72.506	77.340
<b>85.0</b>	0.000	0.000	0.000	1.208	15.710	33.836	48.338	59.214	62.839
<b>87.5</b>	0.000	0.000	0.000	0.000	7.251	22.960	38.670	48.338	51.963
<b>90.0</b>	0.000	0.000	0.000	0.000	3.625	18.127	33.836	43.504	47.129
<b>92.5</b>	0.000	0.000	0.000	0.000	1.208	15.710	31.419	41.087	44.712
<b>95.0</b>	0.000	0.000	0.000	0.000	1.208	13.293	29.003	38.670	42.295
<b>97.5</b>	0.000	0.000	0.000	0.000	1.208	9.668	26.586	36.253	38.670
<b>100.0</b>	0.000	0.000	0.000	0.000	1.208	7.251	22.960	32.628	35.045
<b>102.5</b>	0.000	0.000	0.000	0.000	0.000	4.834	19.335	29.003	30.211
<b>105.0</b>	0.000	0.000	0.000	0.000	0.000	4.834	16.918	25.377	26.586
<b>107.5</b>	0.000	0.000	0.000	0.000	0.000	3.625	14.501	21.752	22.960
<b>110.0</b>	0.000	0.000	0.000	0.000	0.000	3.625	10.876	18.127	19.335
<b>112.5</b>	0.000	0.000	0.000	0.000	0.000	2.417	9.668	16.918	18.127
<b>115.0</b>	0.000	0.000	0.000	0.000	0.000	1.208	8.459	14.501	16.918
<b>117.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	8.459	12.084	13.293
<b>120.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	6.042	10.876	12.084
<b>122.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	2.417	9.668	10.876
<b>125.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	8.459	9.668
<b>127.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.834	8.459
<b>130.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.208	3.625

IES ROAD REPORT  
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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	1.208	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	1.208	1.208
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.208
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.208
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	1.208	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

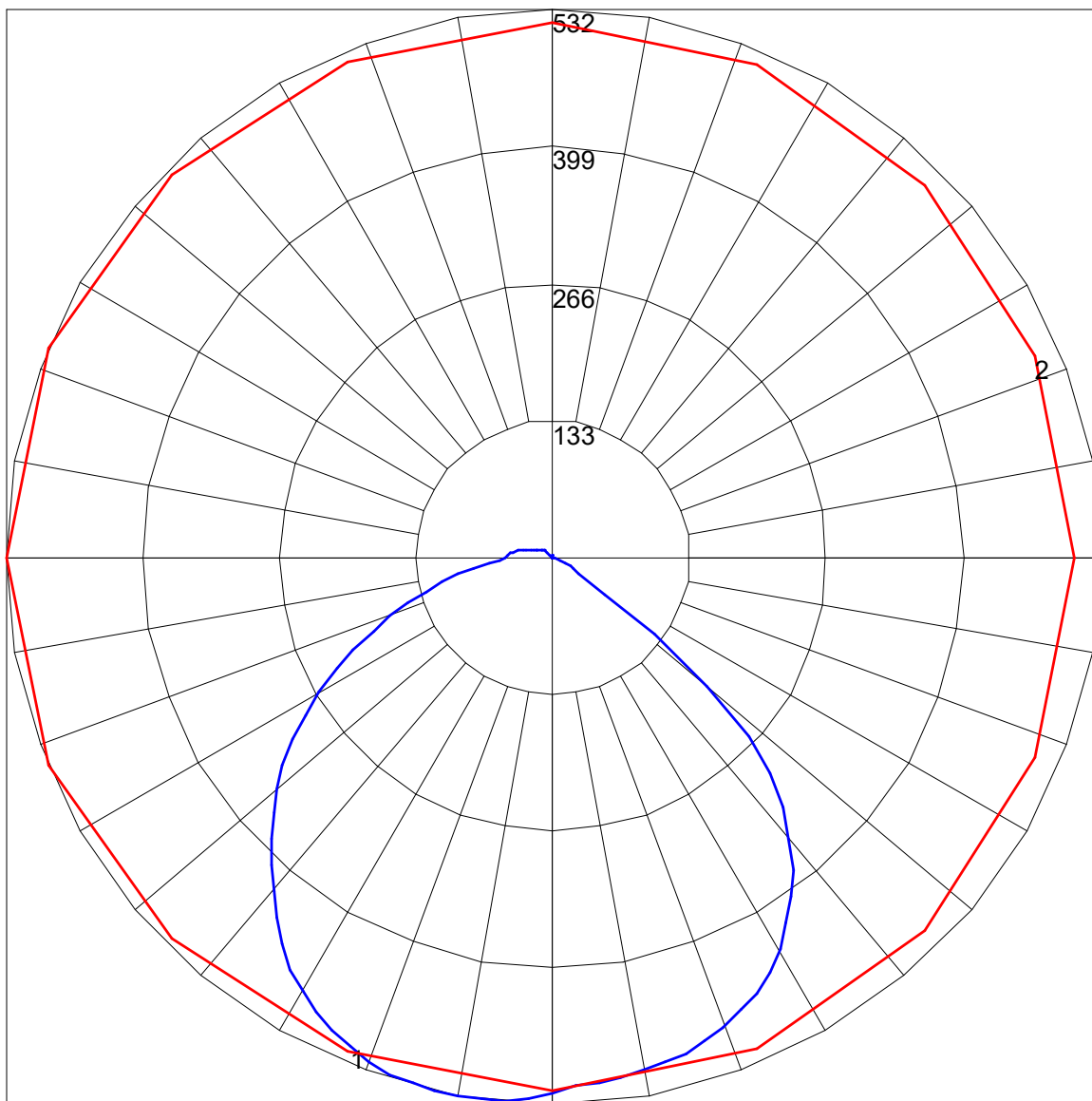
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

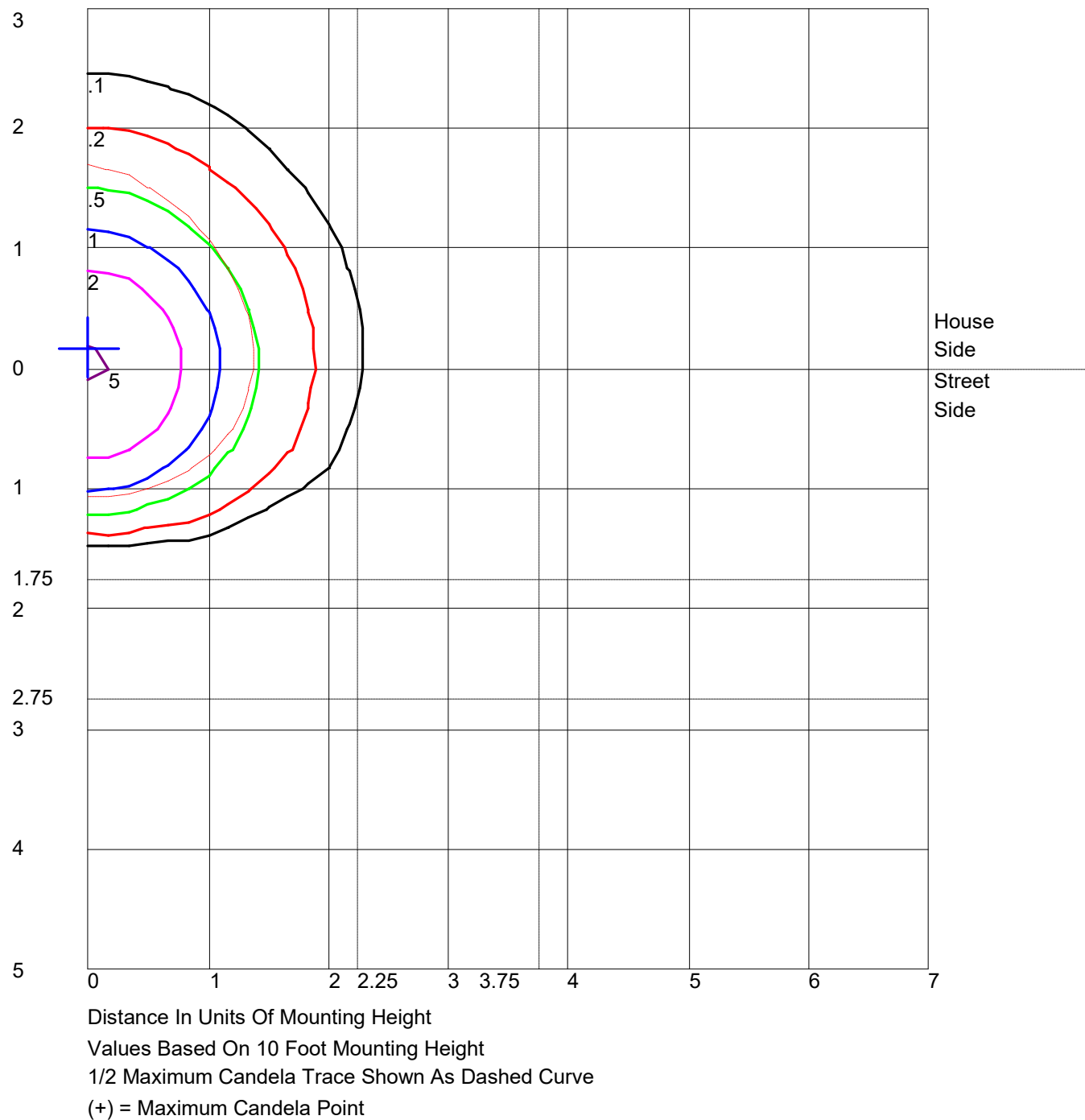
	Lumens	Percent Of Luminaire
Downward Street Side	583.5	41.6
Downward House Side	791.4	56.4
Downward Total	1374.9	98.0
Upward Street Side	0.1	0.0
Upward House Side	27.5	2.0
Upward Total	27.6	2.0
Total Flux	1402.5	100.0

POLAR GRAPH

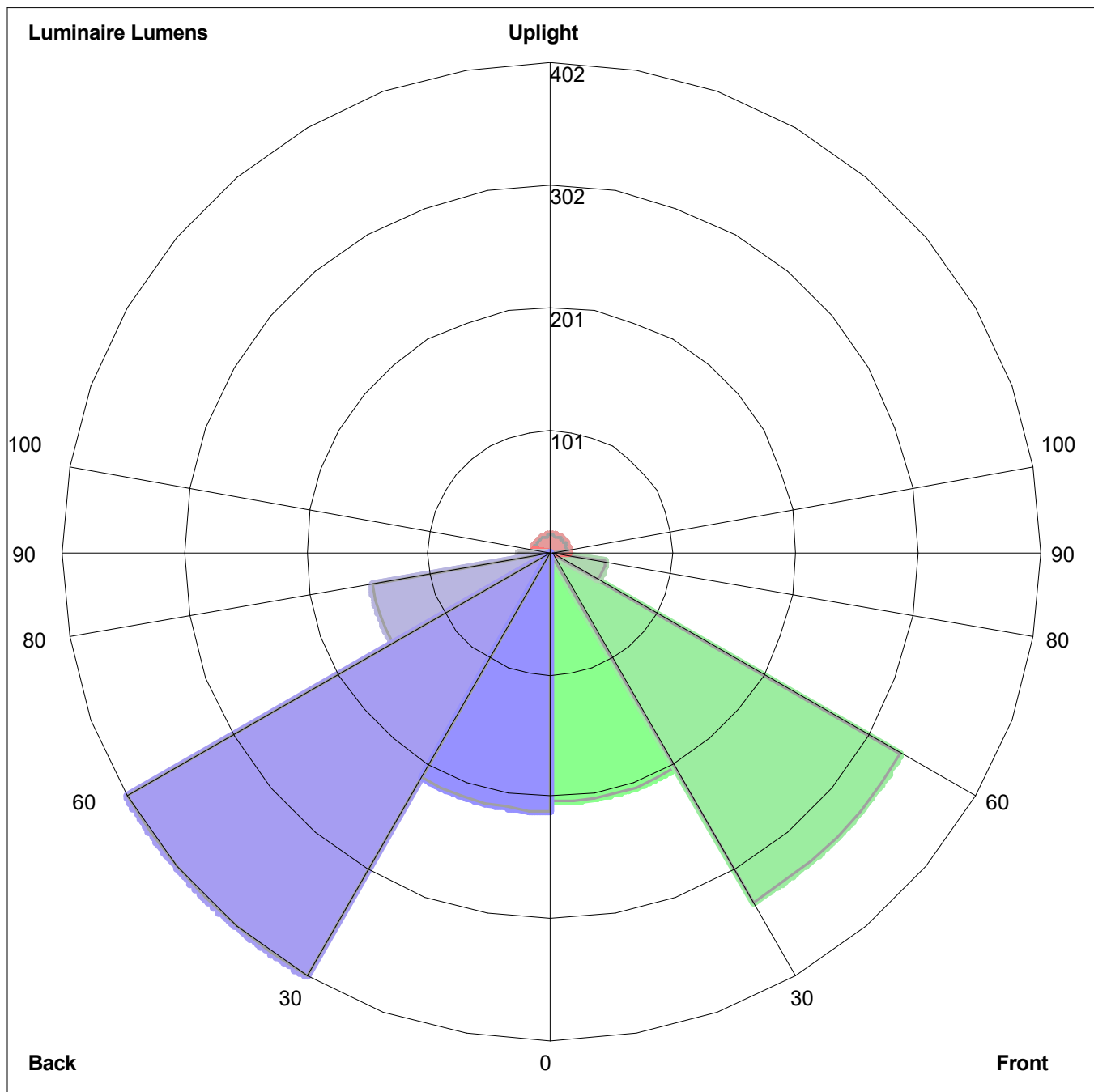


Maximum Candela = 531.714 Located At Horizontal Angle = 180, Vertical Angle = 10  
# 1 - Vertical Plane Through Horizontal Angles (180 - 0) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=205.2, Medium=331.8, High=45.0, Very High=1.5  
Back: Low=213.0, Medium=402.4, High=150.0, Very High=26.0  
Uplight: Low=14.0, High=13.7

BUG Rating : B1-U2-G1