



IES ROAD REPORT

PHOTOMETRIC FILENAME : WPSLL-06L-30.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] 3207

[TESTLAB] TUV SUD America

[TESTDATE] 6/23/2017 8:25:50 AM

[ISSUEDATE] 10/25/2018

[MANUFAC] LSI INDUSTRIES, INC

[LUMCAT] WPSLL-06L-30

[OTHER] TEST PROCEDURE: IESNA

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

[SEARCH_SOURCETYPE] LED

[SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6448
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	58.14
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3362.27
Maximum Candela Angle	360H 27.5V
Maximum Candela (<90 Degrees Vertical)	3362.27
Maximum Candela Angle (<90 Degrees Vertical)	360H 27.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	87.52 (1.4% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1198.1	N.A.	18.6
FM - Front-Medium (30-60)	2795.9	N.A.	43.4
FH - Front-High (60-80)	845.9	N.A.	13.1
FVH - Front-Very High (80-90)	6.1	N.A.	0.1
BL - Back-Low (0-30)	678.8	N.A.	10.5
BM - Back-Medium (30-60)	737.2	N.A.	11.4
BH - Back-High (60-80)	179.0	N.A.	2.8
BVH - Back-Very High (80-90)	6.9	N.A.	0.1
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	6447.9	N.A.	100.0
BUG Rating	B2-U0-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0.0	2455.96	2455.96	2455.96	2455.96	2455.96	2455.96	2455.96	2455.96	2455.96	2455.96
2.5	2520.55	2576.83	2552.62	2515.03	2468.54	2420.40	2377.49	2348.58	2264.99	2348.58
5.0	2637.86	2682.38	2630.32	2552.01	2457.92	2361.74	2280.31	2225.79	2131.31	2225.79
7.5	2751.47	2784.02	2702.96	2581.34	2439.72	2297.19	2177.46	2099.14	1996.74	2099.14
10.0	2864.03	2881.19	2768.96	2604.37	2414.54	2224.61	2069.28	1969.27	1856.42	1969.27
12.5	2968.87	2967.29	2829.30	2620.44	2382.77	2147.08	1957.00	1835.95	1711.85	1835.95
15.0	3057.90	3048.38	2883.31	2630.69	2344.39	2062.96	1840.74	1696.56	1553.61	1696.56
17.5	3146.29	3123.18	2930.23	2634.70	2297.58	1973.54	1721.89	1543.39	1346.24	1543.39
20.0	3231.63	3194.39	2973.62	2631.20	2244.71	1879.72	1599.61	1357.68	1117.02	1357.68
22.5	3301.78	3250.31	3012.42	2620.64	2184.70	1782.00	1464.41	1144.39	892.29	1144.39
25.0	3340.41	3282.76	3047.29	2603.07	2118.74	1677.34	1303.40	936.37	767.03	936.37
27.5	3362.27	3295.87	3072.02	2577.56	2043.59	1566.43	1130.18	792.31	719.61	792.31
30.0	3351.67	3281.04	3078.80	2543.47	1962.03	1451.64	960.09	724.43	648.72	724.43
32.5	3299.51	3240.37	3067.22	2504.61	1872.58	1336.64	809.80	664.08	573.09	664.08
35.0	3263.39	3192.10	3038.92	2460.30	1775.10	1219.71	714.63	590.68	523.00	590.68
37.5	3219.51	3144.69	2983.61	2411.11	1671.13	1099.54	662.81	529.92	502.00	529.92
40.0	3164.34	3086.41	2909.61	2353.88	1561.09	976.02	603.33	495.74	488.64	495.74
42.5	3085.76	3012.51	2824.11	2287.04	1446.52	853.88	532.03	477.93	474.61	477.93
45.0	3034.55	2944.03	2735.57	2205.57	1328.60	741.37	471.63	462.94	456.51	462.94
47.5	2998.05	2887.45	2633.02	2105.74	1206.30	646.64	435.00	445.41	432.34	445.41
50.0	2954.93	2832.25	2514.74	1981.77	1078.63	578.43	413.34	423.38	403.03	423.38
52.5	2911.83	2771.77	2396.87	1835.44	947.93	525.43	394.03	394.94	370.53	394.94
55.0	2859.49	2702.37	2277.02	1672.48	819.84	467.45	372.11	362.77	337.55	362.77
57.5	2793.47	2619.78	2158.92	1503.97	693.78	401.29	345.99	329.12	302.71	329.12
60.0	2689.69	2495.67	2030.92	1333.46	575.58	333.88	314.34	293.94	267.15	293.94
62.5	2370.43	2240.98	1893.78	1167.09	467.71	279.01	278.93	257.93	231.45	257.93
65.0	1868.35	1804.25	1738.86	1000.86	379.91	242.29	241.80	221.63	197.22	221.63
67.5	1297.93	1274.88	1534.69	832.15	318.51	211.99	204.27	186.40	164.24	186.40
70.0	756.49	751.47	1223.51	641.89	259.06	178.60	167.45	152.92	132.27	152.92
72.5	321.55	341.37	813.97	453.21	197.19	142.48	131.77	121.44	103.21	121.44
75.0	131.85	126.85	417.90	302.41	137.36	106.40	99.36	92.11	74.74	92.11
77.5	47.06	48.64	152.48	186.75	82.99	73.54	69.98	64.17	48.21	64.17
80.0	22.21	18.49	42.29	87.52	42.51	45.53	44.70	39.93	26.43	39.93
82.5	12.29	8.93	11.82	31.35	17.23	24.18	23.52	20.58	11.23	20.58
85.0	4.27	3.17	4.26	7.02	5.75	9.78	9.28	7.87	3.21	7.87
87.5	1.18	0.58	0.93	1.12	1.41	2.40	2.42	1.75	0.19	1.75
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

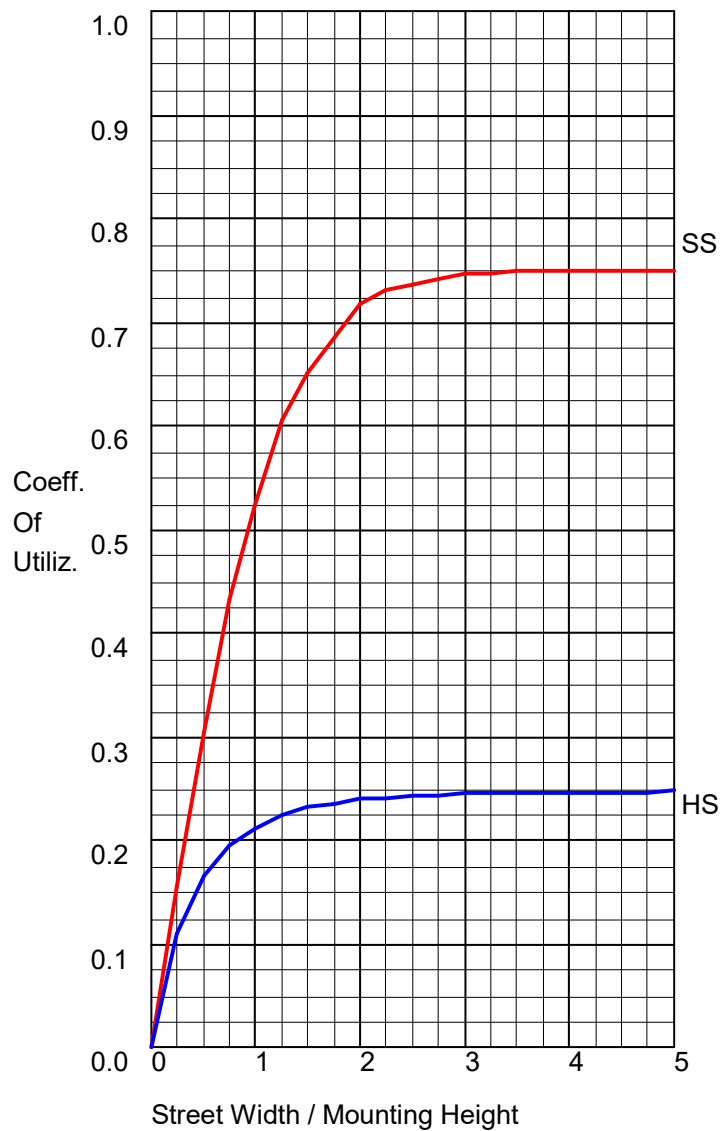
Vert. Angles	Horizontal Angles						
	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	2455.96	2455.96	2455.96	2455.96	2455.96	2455.96	2455.96
2.5	2377.49	2420.40	2468.54	2515.03	2552.62	2576.83	2520.55
5.0	2280.31	2361.74	2457.92	2552.01	2630.32	2682.38	2637.86
7.5	2177.46	2297.19	2439.72	2581.34	2702.96	2784.02	2751.47
10.0	2069.28	2224.61	2414.54	2604.37	2768.96	2881.19	2864.03
12.5	1957.00	2147.08	2382.77	2620.44	2829.30	2967.29	2968.87
15.0	1840.74	2062.96	2344.39	2630.69	2883.31	3048.38	3057.90
17.5	1721.89	1973.54	2297.58	2634.70	2930.23	3123.18	3146.29
20.0	1599.61	1879.72	2244.71	2631.20	2973.62	3194.39	3231.63
22.5	1464.41	1782.00	2184.70	2620.64	3012.42	3250.31	3301.78
25.0	1303.40	1677.34	2118.74	2603.07	3047.29	3282.76	3340.41
27.5	1130.18	1566.43	2043.59	2577.56	3072.02	3295.87	3362.27

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CANDELA TABULATION - (Cont.)

30.0	960.09	1451.64	1962.03	2543.47	3078.80	3281.04	3351.67
32.5	809.80	1336.64	1872.58	2504.61	3067.22	3240.37	3299.51
35.0	714.63	1219.71	1775.10	2460.30	3038.92	3192.10	3263.39
37.5	662.81	1099.54	1671.13	2411.11	2983.61	3144.69	3219.51
40.0	603.33	976.02	1561.09	2353.88	2909.61	3086.41	3164.34
42.5	532.03	853.88	1446.52	2287.04	2824.11	3012.51	3085.76
45.0	471.63	741.37	1328.60	2205.57	2735.57	2944.03	3034.55
47.5	435.00	646.64	1206.30	2105.74	2633.02	2887.45	2998.05
50.0	413.34	578.43	1078.63	1981.77	2514.74	2832.25	2954.93
52.5	394.03	525.43	947.93	1835.44	2396.87	2771.77	2911.83
55.0	372.11	467.45	819.84	1672.48	2277.02	2702.37	2859.49
57.5	345.99	401.29	693.78	1503.97	2158.92	2619.78	2793.47
60.0	314.34	333.88	575.58	1333.46	2030.92	2495.67	2689.69
62.5	278.93	279.01	467.71	1167.09	1893.78	2240.98	2370.43
65.0	241.80	242.29	379.91	1000.86	1738.86	1804.25	1868.35
67.5	204.27	211.99	318.51	832.15	1534.69	1274.88	1297.93
70.0	167.45	178.60	259.06	641.89	1223.51	751.47	756.49
72.5	131.77	142.48	197.19	453.21	813.97	341.37	321.55
75.0	99.36	106.40	137.36	302.41	417.90	126.85	131.85
77.5	69.98	73.54	82.99	186.75	152.48	48.64	47.06
80.0	44.70	45.53	42.51	87.52	42.29	18.49	22.21
82.5	23.52	24.18	17.23	31.35	11.82	8.93	12.29
85.0	9.28	9.78	5.75	7.02	4.26	3.17	4.27
87.5	2.42	2.40	1.41	1.12	0.93	0.58	1.18
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

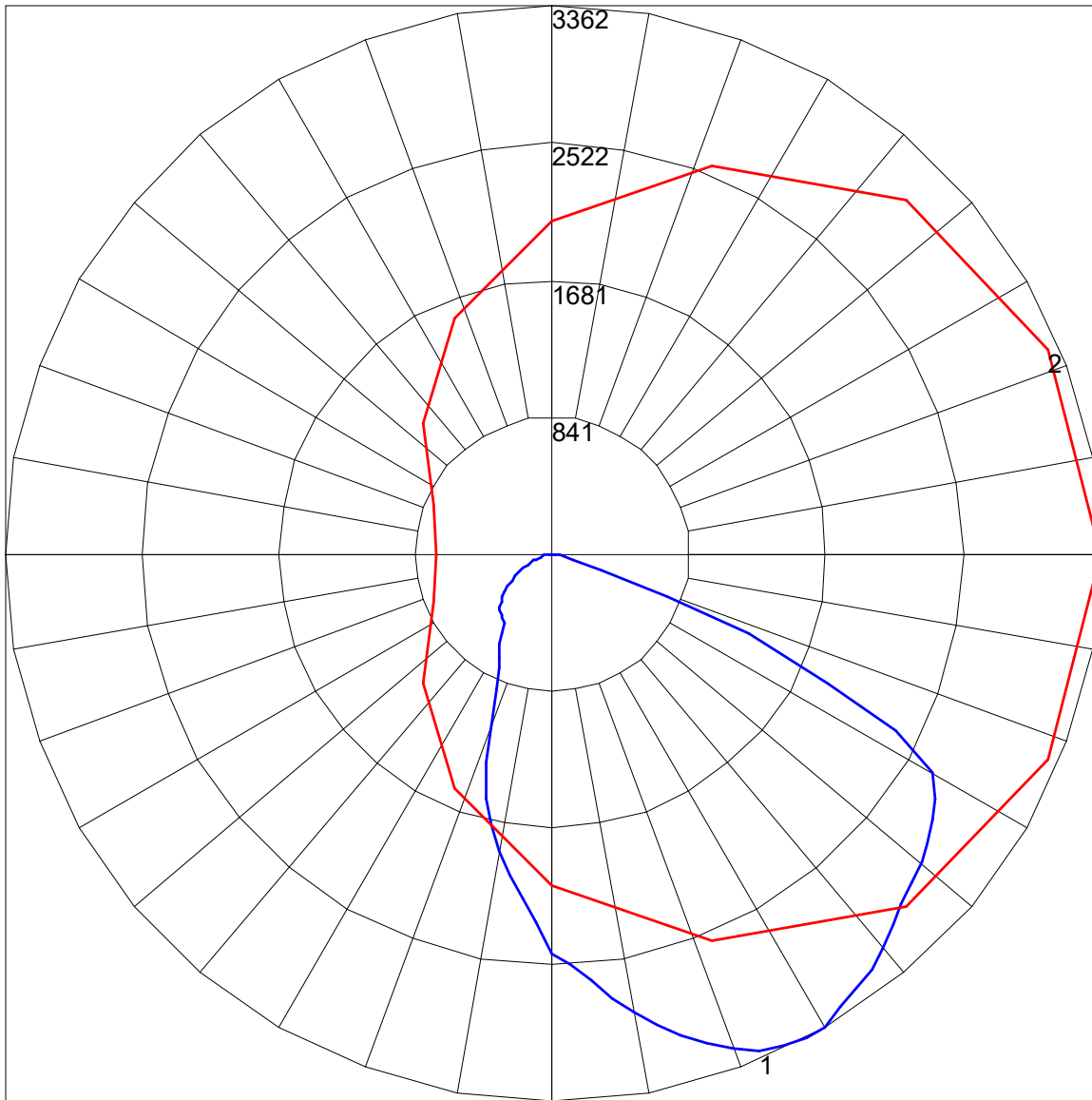
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

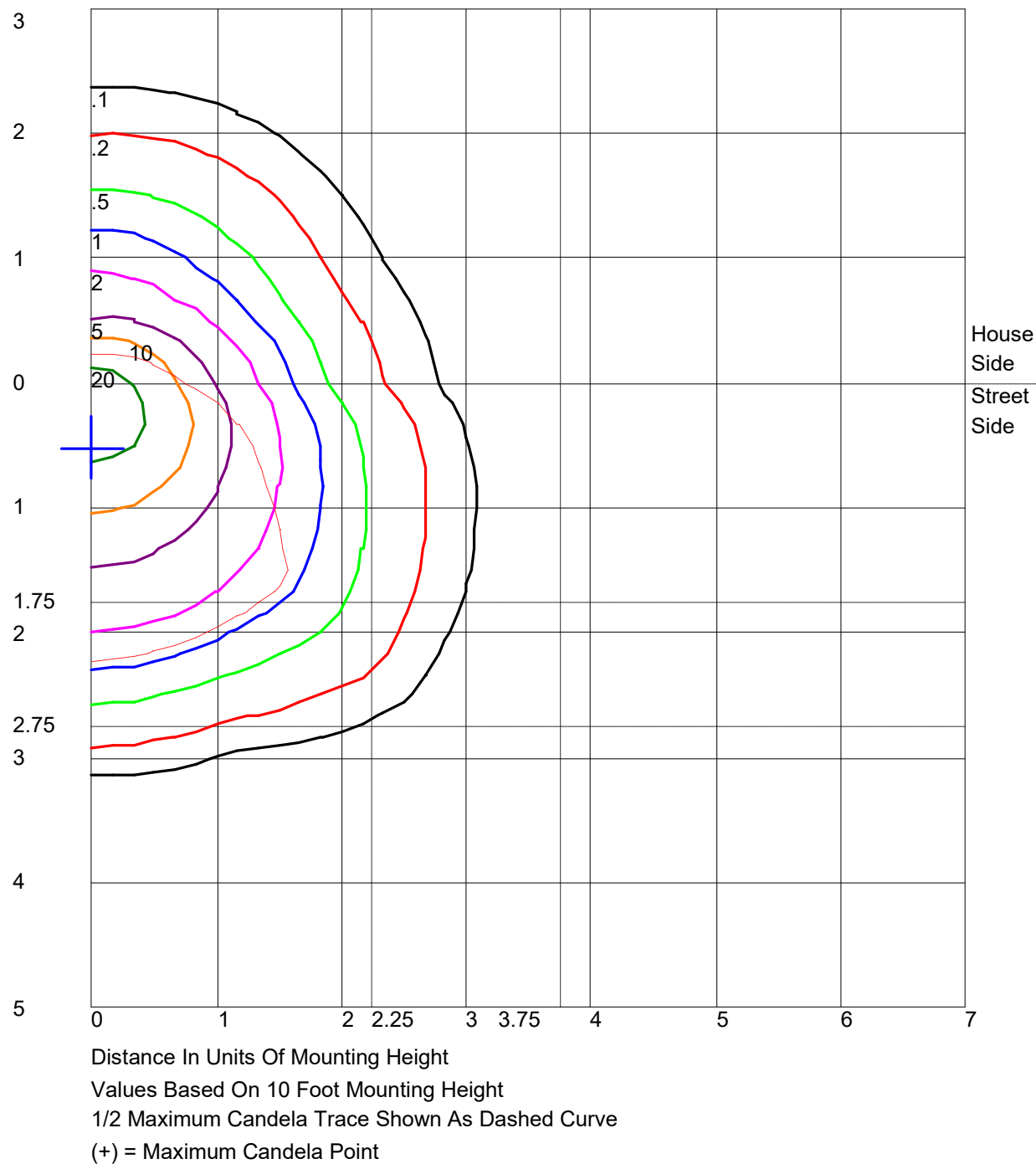
	Lumens	Percent Of Luminaire
Downward Street Side	4846.0	75.2
Downward House Side	1601.8	24.8
Downward Total	6447.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	6447.8	100.0

POLAR GRAPH

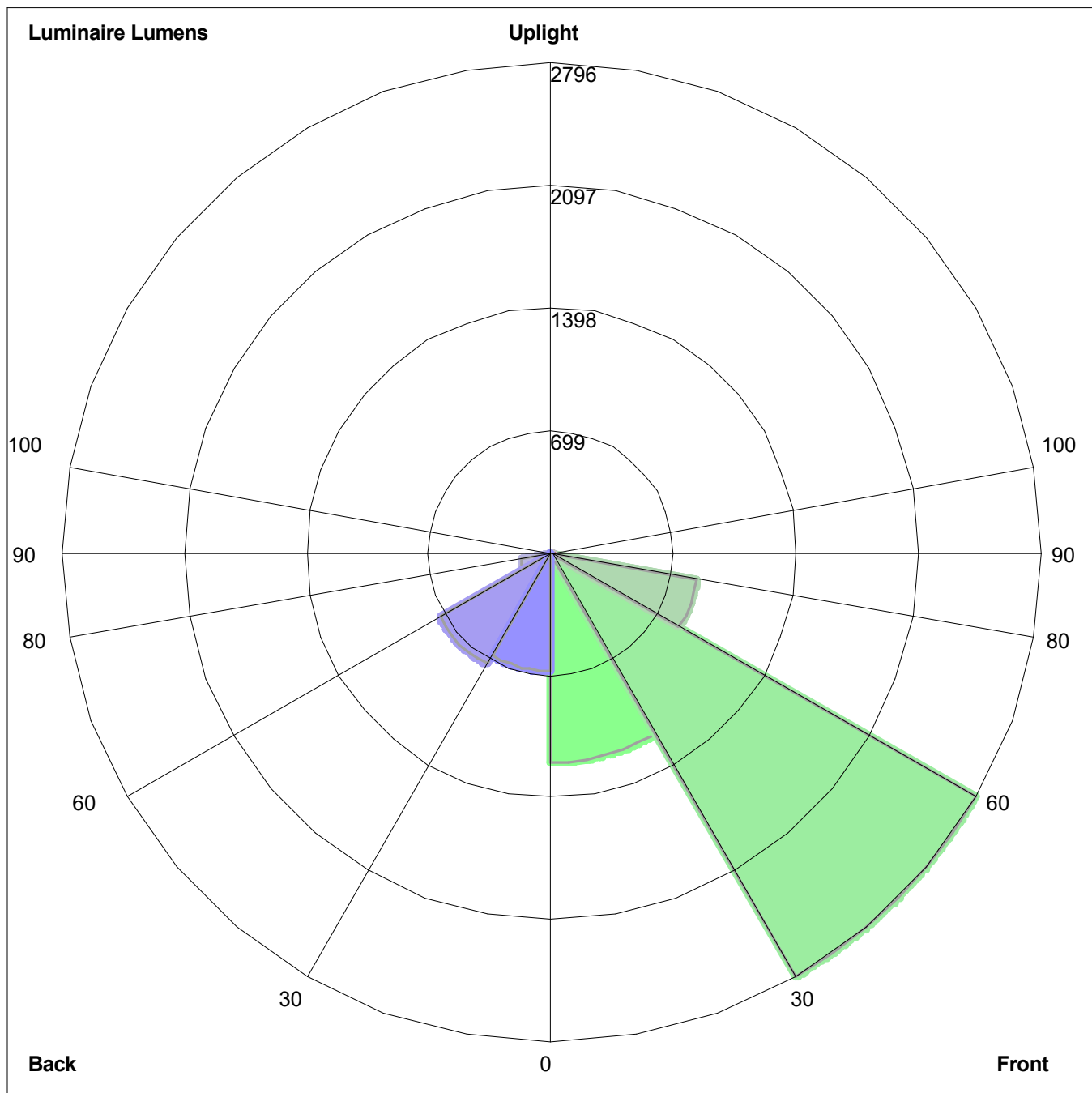


Maximum Candela = 3362.27 Located At Horizontal Angle = 360, Vertical Angle = 27.5
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (27.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1198.1, Medium=2795.9, High=845.9, Very High=6.1
Back: Low=678.8, Medium=737.2, High=179.0, Very High=6.9
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1