



IES ROAD REPORT
PHOTOMETRIC FILENAME : WPSLL-08L-30.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 3209
[TESTLAB] TUV SUD America
[TESTDATE] 6/26/2017 1:53:38 PM
[ISSUE DATE] 10/25/2018
[MANUFACTURER] LSI INDUSTRIES, INC
[LUMCAT] WPSLL-08L-30
[OTHER] TEST PROCEDURE: IESNA
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED
[SEARCH_SOURCE TYPE] 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	7980
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	76.39
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4181.07
Maximum Candela Angle	360H 25V
Maximum Candela (<90 Degrees Vertical)	4181.07
Maximum Candela Angle (<90 Degrees Vertical)	360H 25V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	68.76 (0.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1553.1	N.A.	19.5
FM - Front-Medium (30-60)	3428.0	N.A.	43.0
FH - Front-High (60-80)	822.5	N.A.	10.3
FVH - Front-Very High (80-90)	4.4	N.A.	0.1
BL - Back-Low (0-30)	944.1	N.A.	11.8
BM - Back-Medium (30-60)	987.7	N.A.	12.4
BH - Back-High (60-80)	230.8	N.A.	2.9
BVH - Back-Very High (80-90)	9.4	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	7980.0	N.A.	100.0
BUG Rating	B2-U0-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	202.5
0.0	3314.45	3314.45	3314.45	3314.45	3314.45	3314.45	3314.45	3314.45	3314.45	3314.45
2.5	3384.68	3451.19	3424.08	3380.55	3328.34	3273.13	3225.37	3187.48	3084.54	3187.48
5.0	3519.19	3572.13	3511.25	3419.64	3313.63	3204.72	3107.07	3039.02	2921.39	3039.02
7.5	3649.83	3684.59	3591.88	3449.07	3288.17	3124.22	2978.67	2882.87	2752.06	2882.87
10.0	3767.18	3784.52	3661.97	3470.25	3254.36	3034.32	2843.07	2720.73	2576.97	2720.73
12.5	3867.29	3869.04	3721.97	3484.19	3211.71	2934.02	2700.94	2551.33	2392.86	2551.33
15.0	3957.65	3946.71	3770.63	3490.10	3159.45	2827.46	2551.96	2376.60	2203.54	2376.60
17.5	4049.40	4019.96	3814.55	3488.48	3097.38	2710.57	2396.88	2192.06	1965.08	2192.06
20.0	4123.00	4077.72	3854.06	3477.04	3023.45	2584.61	2234.65	1972.83	1671.31	1972.83
22.5	4164.64	4109.24	3890.05	3453.78	2940.10	2452.62	2067.69	1705.30	1355.16	1705.30
25.0	4181.07	4116.05	3912.98	3421.13	2846.18	2312.73	1876.76	1415.47	1078.18	1415.47
27.5	4168.98	4091.16	3912.32	3379.08	2743.72	2167.27	1656.21	1148.03	956.26	1148.03
30.0	4098.29	4036.48	3890.59	3329.82	2633.45	2013.42	1423.37	975.40	884.78	975.40
32.5	4042.18	3967.26	3847.42	3275.28	2508.43	1852.17	1203.79	895.52	782.13	895.52
35.0	3981.85	3901.15	3775.73	3214.99	2376.61	1688.78	1005.08	808.49	690.19	808.49
37.5	3904.21	3822.85	3684.07	3143.98	2234.72	1528.34	882.59	711.89	640.27	711.89
40.0	3800.15	3723.12	3574.36	3052.79	2087.30	1365.71	809.81	643.14	620.30	643.14
42.5	3722.79	3631.32	3459.68	2941.11	1930.36	1199.12	727.97	607.14	603.71	607.14
45.0	3667.65	3554.34	3328.66	2805.75	1771.21	1036.30	634.93	587.01	584.68	587.01
47.5	3609.02	3480.24	3179.30	2651.51	1602.55	887.89	561.84	566.87	558.98	566.87
50.0	3549.33	3399.86	3028.65	2469.42	1429.31	769.05	521.31	542.38	525.39	542.38
52.5	3477.83	3307.28	2877.32	2263.81	1256.57	685.23	495.15	511.00	485.91	511.00
55.0	3390.76	3194.85	2725.32	2046.28	1083.48	614.61	469.48	473.39	445.17	473.39
57.5	3265.14	3032.06	2564.23	1828.07	913.72	536.18	438.92	431.28	400.78	431.28
60.0	2882.39	2712.24	2390.92	1613.53	749.37	449.48	402.21	386.83	355.54	386.83
62.5	2251.47	2185.34	2199.03	1400.50	600.98	365.25	359.26	341.56	310.32	341.56
65.0	1568.17	1543.55	1952.69	1190.45	473.19	299.25	313.23	295.98	265.46	295.98
67.5	910.36	909.52	1588.10	966.53	379.48	256.63	265.74	250.68	222.02	250.68
70.0	399.63	420.47	1090.32	715.11	302.53	215.80	218.85	206.74	180.50	206.74
72.5	171.11	164.86	588.64	488.37	228.34	173.18	173.34	165.45	142.67	165.45
75.0	71.63	68.26	231.39	325.71	158.17	129.49	130.48	127.25	106.25	127.25
77.5	29.95	25.87	69.31	175.82	94.15	88.99	93.62	91.60	71.14	91.60
80.0	17.70	13.41	21.88	68.76	46.53	54.64	60.81	58.92	41.38	58.92
82.5	7.94	5.58	8.28	20.56	17.40	29.00	33.13	32.11	19.18	32.11
85.0	2.21	1.38	2.47	4.51	5.63	11.43	13.58	13.27	5.00	13.27
87.5	0.18	0.16	0.31	0.69	1.31	2.72	3.48	3.75	0.71	3.75
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

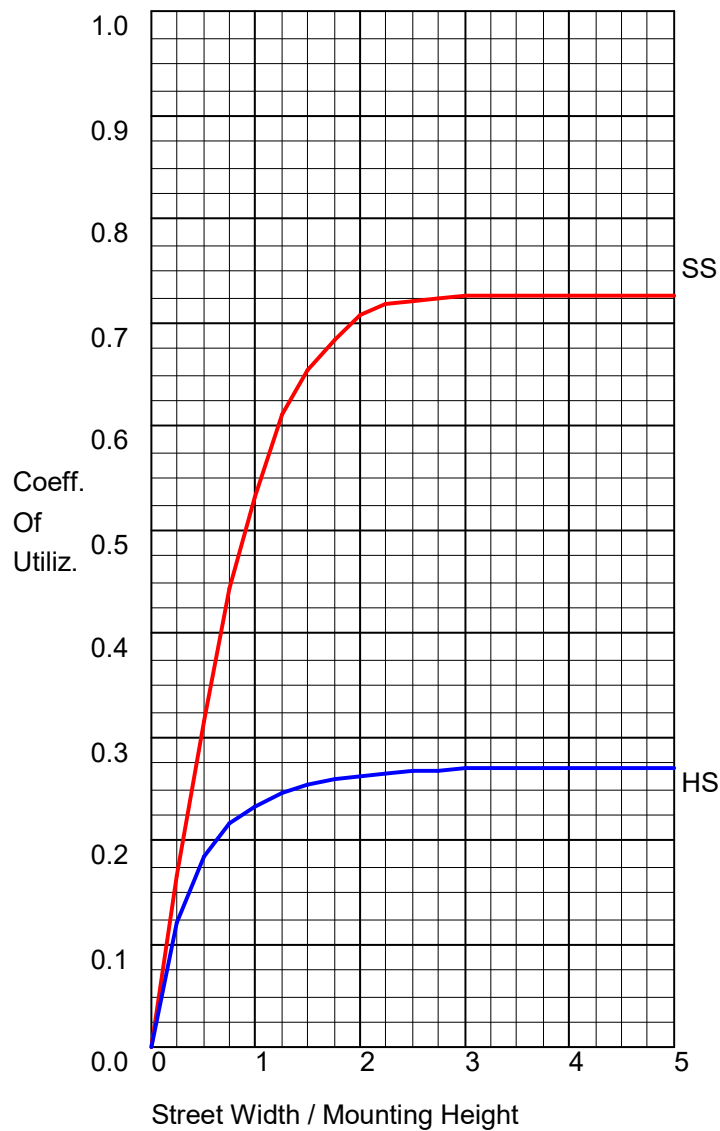
Vert. Angles	Horizontal Angles						
	225.0	247.5	270.0	292.5	315.0	337.5	360.0
0.0	3314.45	3314.45	3314.45	3314.45	3314.45	3314.45	3314.45
2.5	3225.37	3273.13	3328.34	3380.55	3424.08	3451.19	3384.68
5.0	3107.07	3204.72	3313.63	3419.64	3511.25	3572.13	3519.19
7.5	2978.67	3124.22	3288.17	3449.07	3591.88	3684.59	3649.83
10.0	2843.07	3034.32	3254.36	3470.25	3661.97	3784.52	3767.18
12.5	2700.94	2934.02	3211.71	3484.19	3721.97	3869.04	3867.29
15.0	2551.96	2827.46	3159.45	3490.10	3770.63	3946.71	3957.65
17.5	2396.88	2710.57	3097.38	3488.48	3814.55	4019.96	4049.40
20.0	2234.65	2584.61	3023.45	3477.04	3854.06	4077.72	4123.00
22.5	2067.69	2452.62	2940.10	3453.78	3890.05	4109.24	4164.64
25.0	1876.76	2312.73	2846.18	3421.13	3912.98	4116.05	4181.07
27.5	1656.21	2167.27	2743.72	3379.08	3912.32	4091.16	4168.98

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CANDELA TABULATION - (Cont.)

30.0	1423.37	2013.42	2633.45	3329.82	3890.59	4036.48	4098.29
32.5	1203.79	1852.17	2508.43	3275.28	3847.42	3967.26	4042.18
35.0	1005.08	1688.78	2376.61	3214.99	3775.73	3901.15	3981.85
37.5	882.59	1528.34	2234.72	3143.98	3684.07	3822.85	3904.21
40.0	809.81	1365.71	2087.30	3052.79	3574.36	3723.12	3800.15
42.5	727.97	1199.12	1930.36	2941.11	3459.68	3631.32	3722.79
45.0	634.93	1036.30	1771.21	2805.75	3328.66	3554.34	3667.65
47.5	561.84	887.89	1602.55	2651.51	3179.30	3480.24	3609.02
50.0	521.31	769.05	1429.31	2469.42	3028.65	3399.86	3549.33
52.5	495.15	685.23	1256.57	2263.81	2877.32	3307.28	3477.83
55.0	469.48	614.61	1083.48	2046.28	2725.32	3194.85	3390.76
57.5	438.92	536.18	913.72	1828.07	2564.23	3032.06	3265.14
60.0	402.21	449.48	749.37	1613.53	2390.92	2712.24	2882.39
62.5	359.26	365.25	600.98	1400.50	2199.03	2185.34	2251.47
65.0	313.23	299.25	473.19	1190.45	1952.69	1543.55	1568.17
67.5	265.74	256.63	379.48	966.53	1588.10	909.52	910.36
70.0	218.85	215.80	302.53	715.11	1090.32	420.47	399.63
72.5	173.34	173.18	228.34	488.37	588.64	164.86	171.11
75.0	130.48	129.49	158.17	325.71	231.39	68.26	71.63
77.5	93.62	88.99	94.15	175.82	69.31	25.87	29.95
80.0	60.81	54.64	46.53	68.76	21.88	13.41	17.70
82.5	33.13	29.00	17.40	20.56	8.28	5.58	7.94
85.0	13.58	11.43	5.63	4.51	2.47	1.38	2.21
87.5	3.48	2.72	1.31	0.69	0.31	0.16	0.18
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

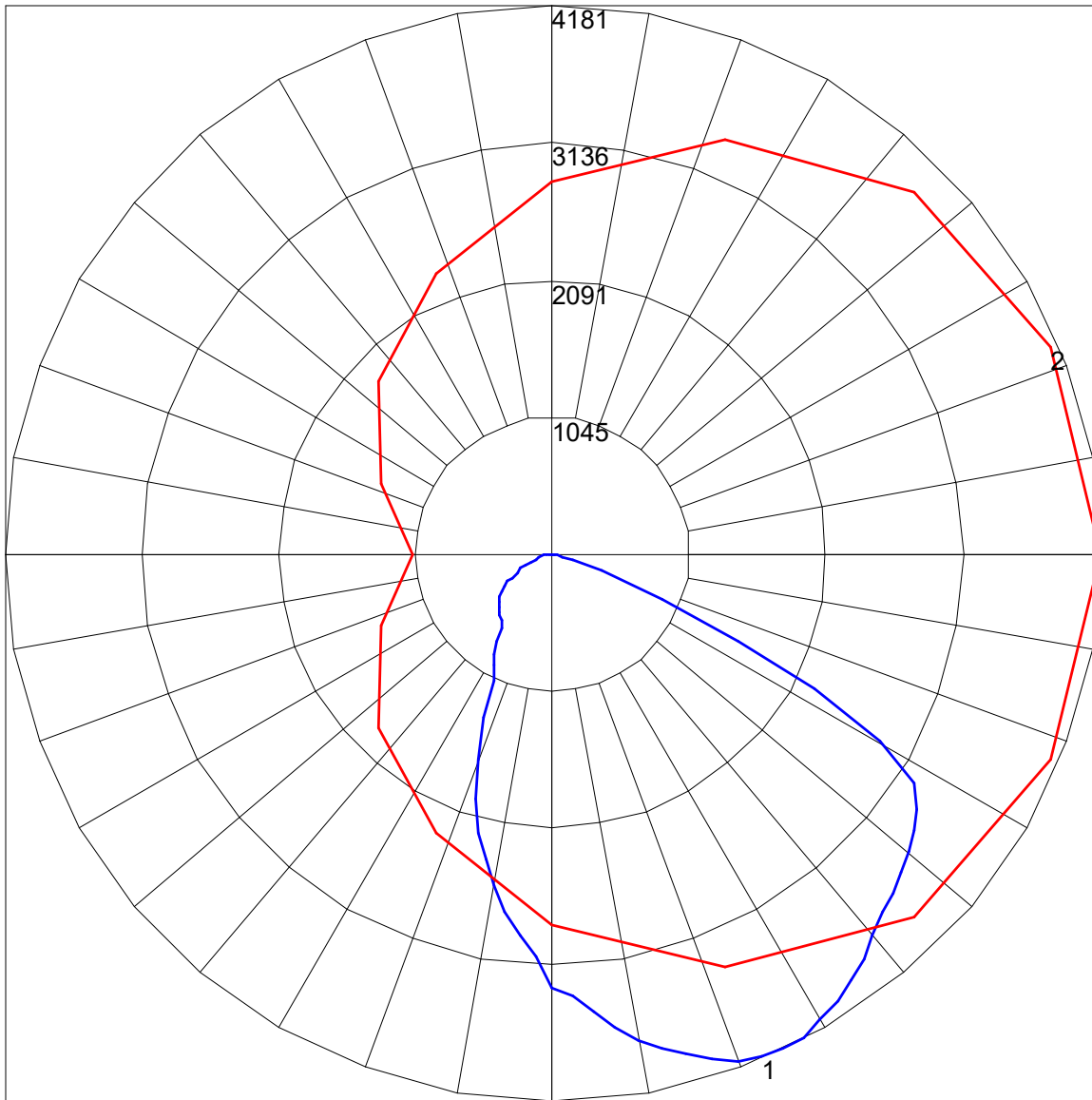
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

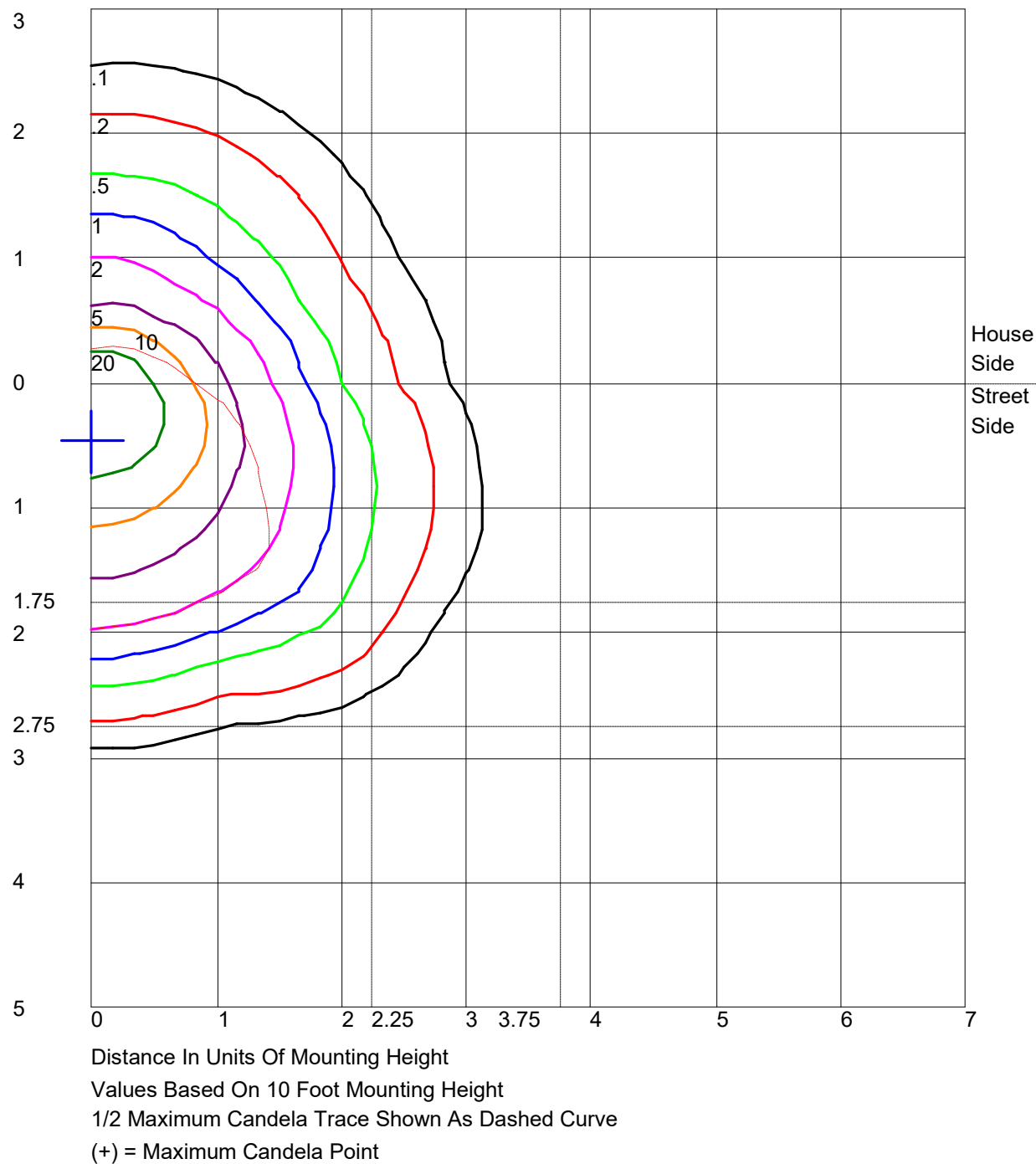
	Lumens	Percent Of Luminaire
Downward Street Side	5808.0	72.8
Downward House Side	2172.0	27.2
Downward Total	7980.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	7980.0	100.0

POLAR GRAPH

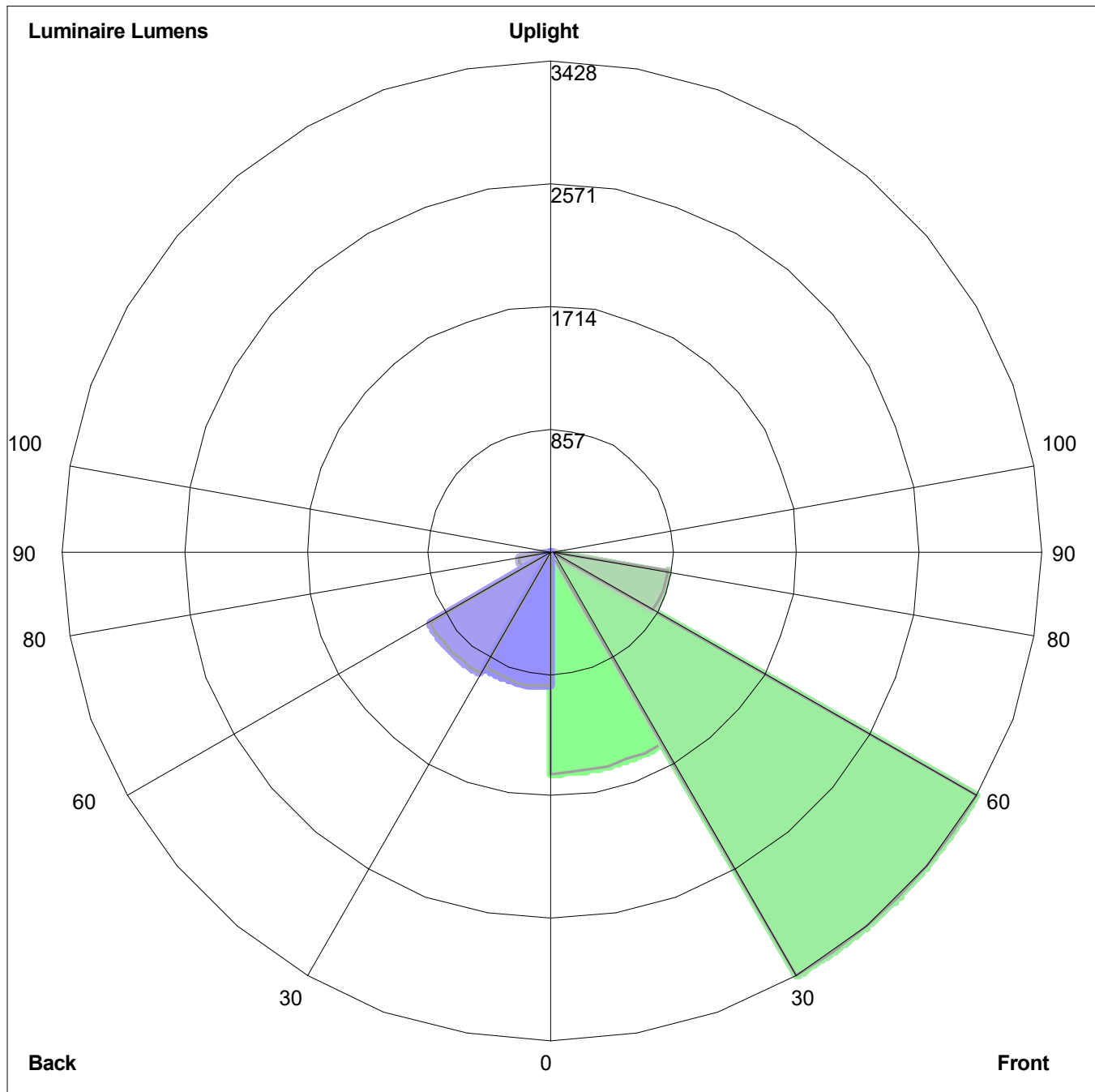


Maximum Candela = 4181.07 Located At Horizontal Angle = 360, Vertical Angle = 25
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (25) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1553.1, Medium= 3428.0, High=822.5, Very High=4.4
Back: Low=944.1, Medium=987.7, High=230.8, Very High=9.4
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1