IES ROAD REPORT
PHOTOMETRIC FILENAME : CRUS_SM-SC-VLW-30.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12154
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 08/27/20
[TESTDATE] 08/18/20
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] CRUS_SM-SC-VLW-30
[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] Outdoor

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8784
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	146
Total Luminaire Watts	60
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2852
Maximum Candela Angle	90H 5V
Maximum Candela (<90 Degrees Vertical)	2852
Maximum Candela Angle (<90 Degrees Vertical)	90H 5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	240 (2.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1147.6	N.A.	13.1
FM - Front-Medium (30-60)	2368.5	N.A.	27.0
FH - Front-High (60-80)	830.6	N.A.	9.5
FVH - Front-Very High (80-90)	45.0	N.A.	0.5
BL - Back-Low (0-30)	1147.6	N.A.	13.1
BM - Back-Medium (30-60)	2368.5	N.A.	27.0
BH - Back-High (60-80)	830.6	N.A.	9.5
BVH - Back-Very High (80-90)	45.0	N.A.	0.5
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	8783.4	N.A.	100.0
BUG Rating	B3-U0-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	5	15	25	35	45	55	65	75	85
0.0	2813	2813	2813	2813	2813	2813	2813	2813	2813	2813
2.5	2825	2823	2813	2822	2814	2812	2829	2818	2842	2822
5.0	2794	2810	2798	2817	2823	2807	2820	2805	2801	2816
7.5	2816	2809	2843	2819	2793	2816	2812	2823	2822	2823
10.0	2841	2820	2792	2793	2816	2794	2790	2798	2806	2785
12.5	2792	2778	2799	2813	2804	2801	2801	2793	2819	2802
15.0	2776	2792	2779	2776	2791	2775	2775	2806	2769	2791
17.5	2769	2771	2780	2772	2761	2778	2775	2761	2782	2752
20.0	2746	2751	2731	2746	2761	2735	2724	2731	2754	2735
22.5	2705	2711	2716	2723	2730	2743	2700	2705	2700	2711
25.0	2692	2678	2696	2678	2684	2690	2701	2716	2681	2699
27.5	2660	2645	2648	2657	2639	2645	2655	2636	2637	2621
30.0	2587	2610	2602	2594	2600	2613	2609	2591	2613	2625
32.5	2571	2535	2549	2550	2532	2559	2545	2564	2532	2520
35.0	2454	2490	2477	2489	2491	2488	2474	2483	2486	2483
37.5	2433	2387	2407	2406	2427	2410	2426	2413	2415	2404
40.0	2327	2336	2337	2336	2328	2320	2337	2325	2327	2324
42.5	2247	2245	2257	2247	2262	2257	2230	2241	2235	2246
45.0	2146	2137	2151	2169	2154	2150	2165	2151	2167	2167
47.5	2044	2073	2053	2058	2061	2061	2042	2051	2057	2037
50.0	1956	1936	1965	1956	1941	1953	1941	1955	1935	1955
52.5	1847	1840	1823	1823	1836	1822	1820	1830	1837	1827
55.0	1706	1717	1715	1713	1710	1711	1710	1717	1706	1708
57.5	1588	1574	1581	1578	1584	1590	1583	1574	1572	1555
60.0	1450	1434	1435	1444	1444	1442	1441	1453	1444	1434
62.5	1287	1292	1303	1299	1300	1292	1305	1300	1297	1290
65.0	1125	1139	1142	1148	1146	1162	1145	1142	1146	1135
67.5	973	966	992	1004	998	976	991	985	975	967
70.0	787	790	811	831	828	816	823	825	802	795
72.5	643	651	650	647	659	657	655	643	655	645
75.0	506	501	494	492	496	486	502	501	500	503
77.5	355	364	362	360	355	344	366	366	370	362
80.0	227	235	235	227	235	230	240	234	237	233
82.5	124	135	136	133	132	127	133	132	138	136
85.0	56	60	61	61	60	60	58	60	62	63
87.5	20	20	21	21	21	21	21	21	22	22
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles
	90
0.0	2813
2.5	2797
5.0	2852
7.5	2818
10.0	2808
12.5	2829
15.0	2781
17.5	2752
20.0	2784
22.5	2703
25.0	2694
27.5	2673

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CANDELA TABULATION - (Cont.)

30.0	2584
32.5	2541
35.0	2497
37.5	2409
40.0	2331
42.5	2248
45.0	2176
47.5	2039
50.0	1973
52.5	1829
55.0	1706
57.5	1554
60.0	1415
62.5	1297
65.0	1133
67.5	958
70.0	808
72.5	635
75.0	506
77.5	354
80.0	219
82.5	129
85.0	59
87.5	22
90.0	0

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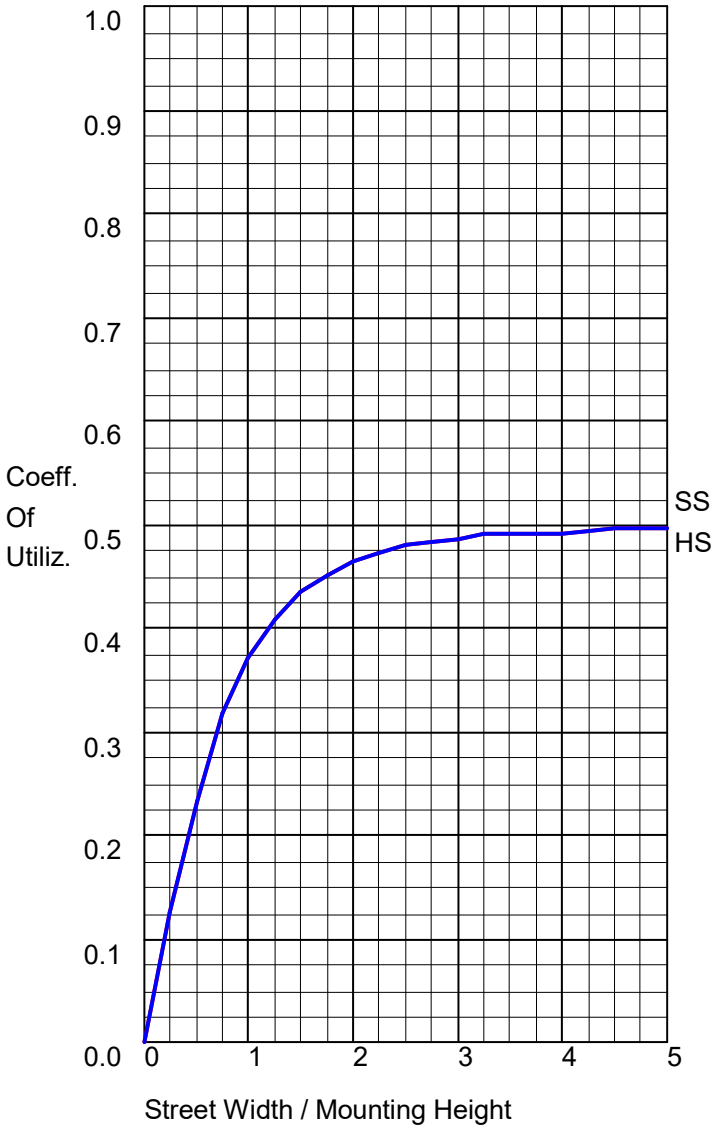
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	4391.8	50.0
Downward House Side	4391.8	50.0
Downward Total	8783.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	8783.6	100.0

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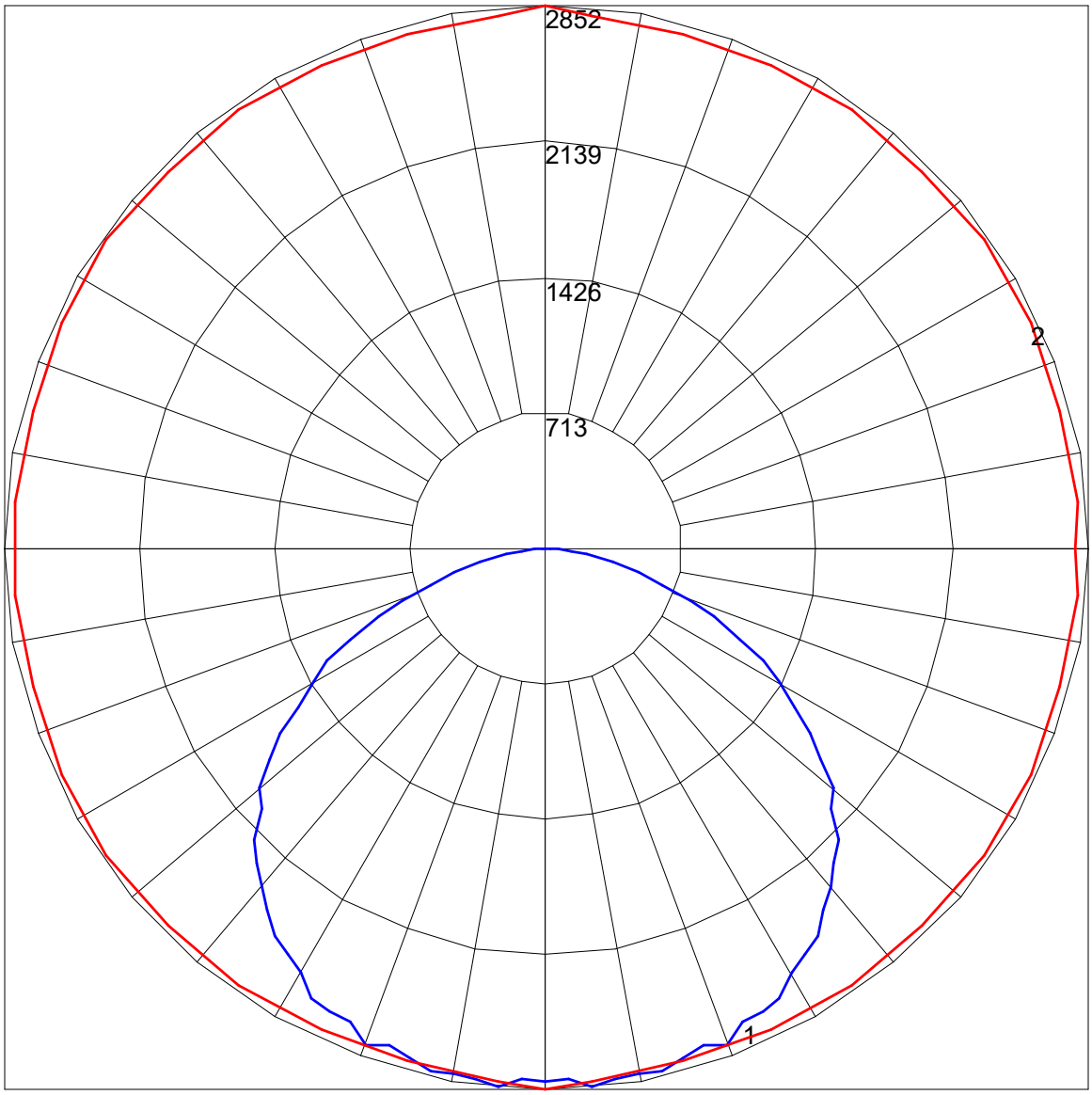
POLAR GRAPH



Maximum Candela = 2852 Located At Horizontal Angle = 90, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

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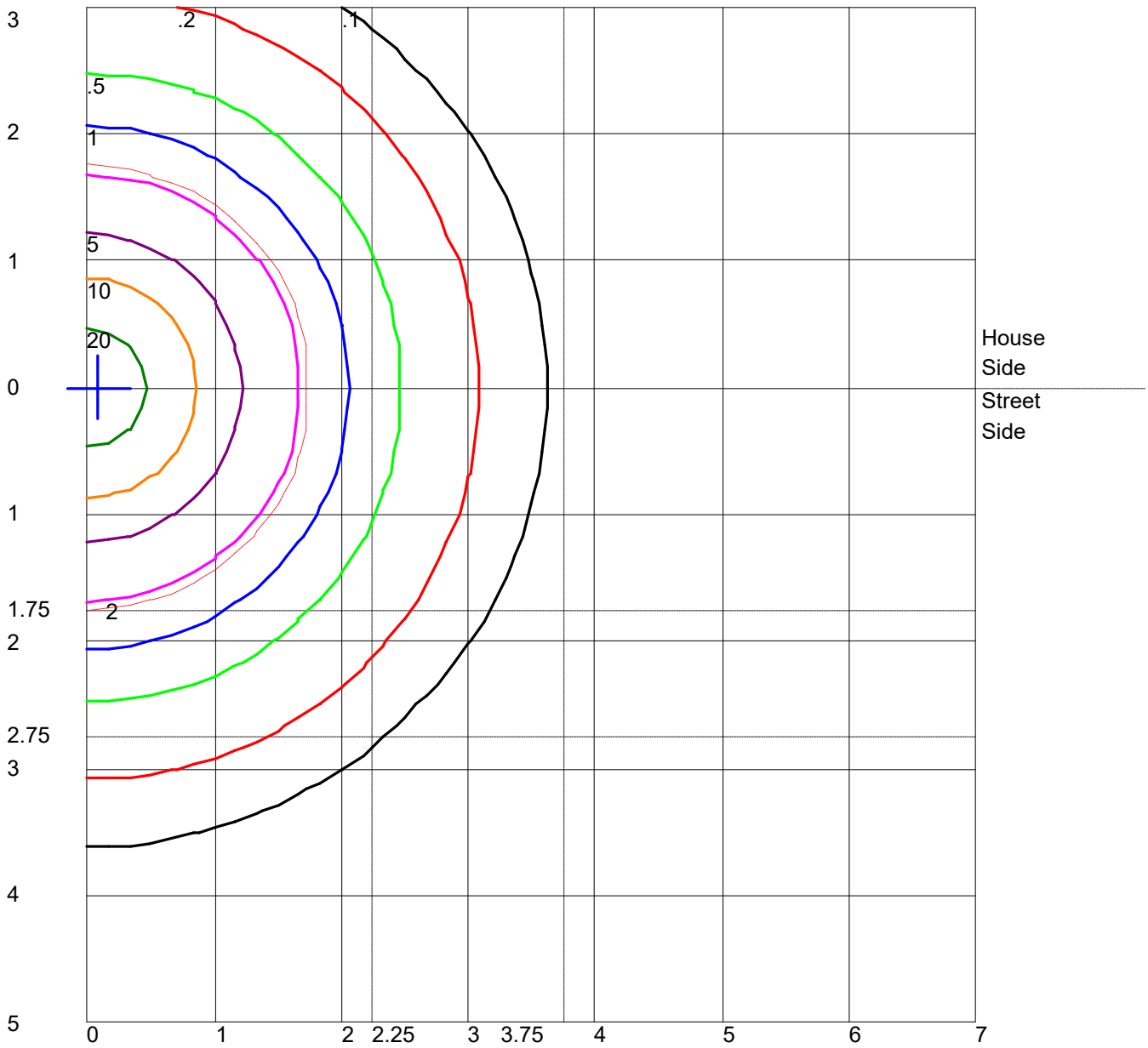
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height
Values Based On 10 Foot Mounting Height
1/2 Maximum Candela Trace Shown As Dashed Curve
(+) = Maximum Candela Point

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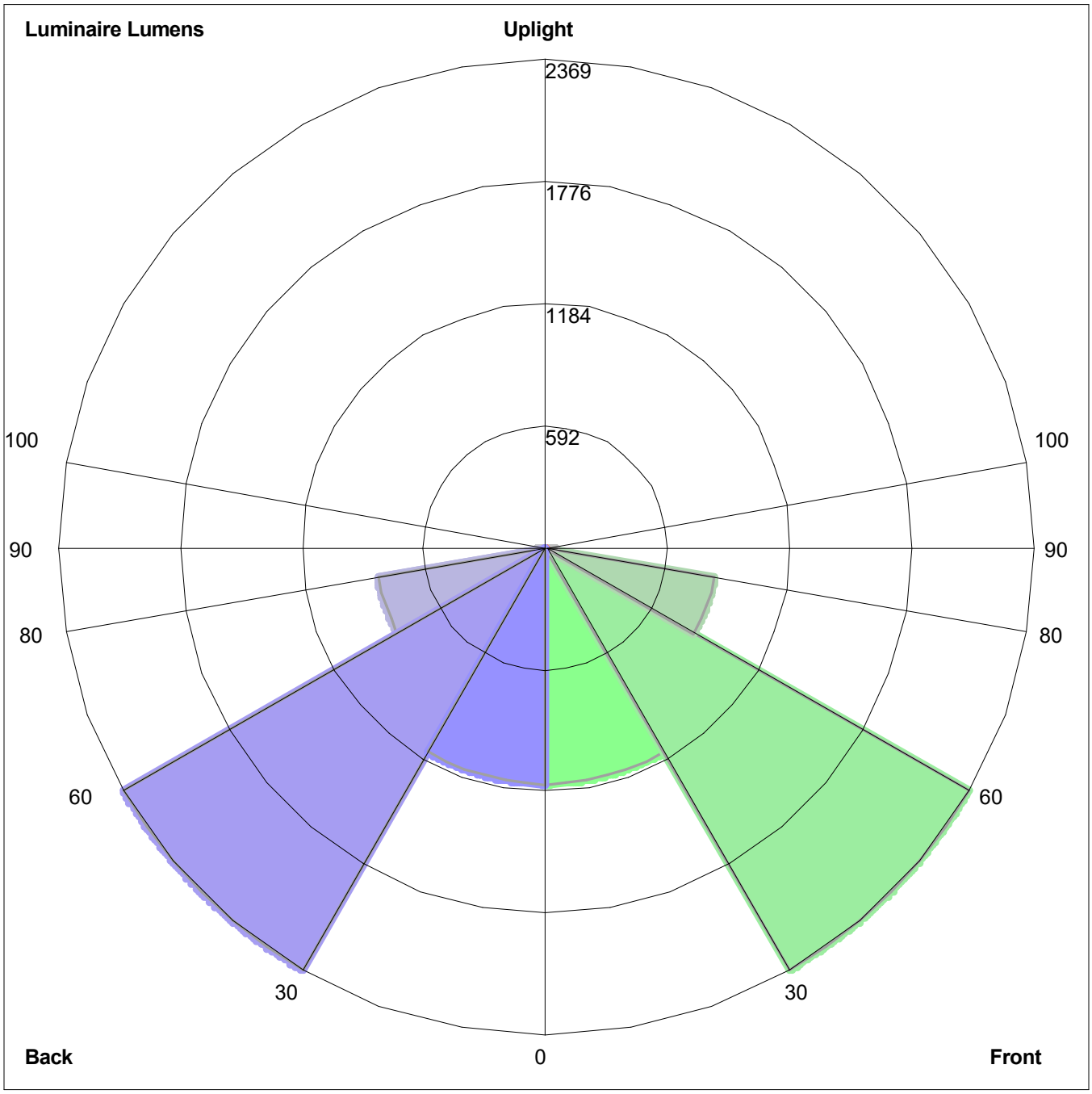
LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1147.6, Medium=2368.5, High=830.6, Very High=45.0
Back: Low=1147.6, Medium=2368.5, High=830.6, Very High=45.0
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G1

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