IES ROAD REPORT
PHOTOMETRIC FILENAME : CRUS-SC-VLW-50.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-SC-VLW-50
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[_ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[_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	9364
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	156
Total Luminaire Watts	60
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3040
Maximum Candela Angle	90H 5V
Maximum Candela (<90 Degrees Vertical)	3040
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	256 (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)	1223.5	N.A.	13.1
FM - Front-Medium (30-60)	2525.0	N.A.	27.0
FH - Front-High (60-80)	885.5	N.A.	9.5
FVH - Front-Very High (80-90)	47.9	N.A.	0.5
BL - Back-Low (0-30)	1223.5	N.A.	13.1
BM - Back-Medium (30-60)	2525.0	N.A.	27.0
BH - Back-High (60-80)	885.5	N.A.	9.5
BVH - Back-Very High (80-90)	47.9	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	9363.8	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	2999	2999	2999	2999	2999	2999	2999	2999	2999	2999
2.5	3012	3010	2999	3008	3000	2998	3016	3004	3030	3009
5.0	2979	2996	2983	3003	3010	2993	3006	2990	2986	3002
7.5	3002	2995	3031	3005	2978	3002	2998	3010	3009	3010
10.0	3029	3006	2977	2978	3002	2979	2974	2983	2991	2969
12.5	2977	2962	2984	2999	2989	2986	2986	2978	3005	2987
15.0	2959	2977	2963	2959	2975	2958	2958	2991	2952	2975
17.5	2952	2954	2964	2955	2943	2962	2958	2943	2966	2934
20.0	2928	2933	2911	2927	2943	2916	2904	2911	2936	2916
22.5	2884	2890	2896	2903	2910	2924	2878	2884	2878	2890
25.0	2870	2855	2874	2855	2861	2868	2880	2896	2858	2877
27.5	2836	2820	2823	2833	2813	2820	2831	2810	2811	2794
30.0	2758	2782	2774	2765	2772	2786	2781	2762	2786	2798
32.5	2741	2703	2717	2719	2699	2728	2713	2733	2699	2687
35.0	2616	2655	2641	2653	2656	2652	2638	2647	2650	2647
37.5	2594	2545	2566	2565	2587	2569	2586	2573	2575	2563
40.0	2481	2490	2492	2490	2482	2473	2492	2479	2481	2478
42.5	2395	2393	2406	2395	2412	2406	2377	2389	2383	2394
45.0	2288	2278	2293	2312	2296	2292	2308	2293	2310	2310
47.5	2179	2210	2189	2194	2197	2197	2177	2187	2193	2172
50.0	2085	2064	2095	2085	2069	2082	2069	2084	2063	2084
52.5	1969	1962	1944	1944	1957	1942	1940	1951	1958	1948
55.0	1819	1831	1828	1826	1823	1824	1823	1830	1819	1821
57.5	1693	1678	1686	1682	1689	1695	1688	1678	1676	1658
60.0	1546	1529	1530	1539	1539	1537	1536	1549	1539	1529
62.5	1372	1377	1389	1385	1386	1377	1391	1386	1383	1375
65.0	1199	1214	1217	1224	1222	1239	1221	1217	1222	1210
67.5	1037	1030	1058	1070	1064	1040	1056	1050	1039	1031
70.0	839	842	865	886	883	870	877	880	855	848
72.5	685	694	693	690	703	700	698	686	698	688
75.0	539	534	527	525	529	518	535	534	533	536
77.5	378	388	386	384	378	367	390	390	394	386
80.0	242	250	251	242	250	245	256	249	253	248
82.5	132	144	145	142	141	135	142	141	147	145
85.0	60	64	65	65	64	64	62	64	66	67
87.5	21	21	22	22	22	22	22	22	23	23
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles
	90
0.0	2999
2.5	2982
5.0	3040
7.5	3004
10.0	2994
12.5	3016
15.0	2965
17.5	2934
20.0	2968
22.5	2882
25.0	2872
27.5	2850

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CANDELA TABULATION - (Cont.)

30.0	2755
32.5	2709
35.0	2662
37.5	2568
40.0	2485
42.5	2397
45.0	2320
47.5	2174
50.0	2103
52.5	1950
55.0	1819
57.5	1657
60.0	1509
62.5	1383
65.0	1208
67.5	1021
70.0	861
72.5	677
75.0	539
77.5	377
80.0	234
82.5	137
85.0	63
87.5	23
90.0	0

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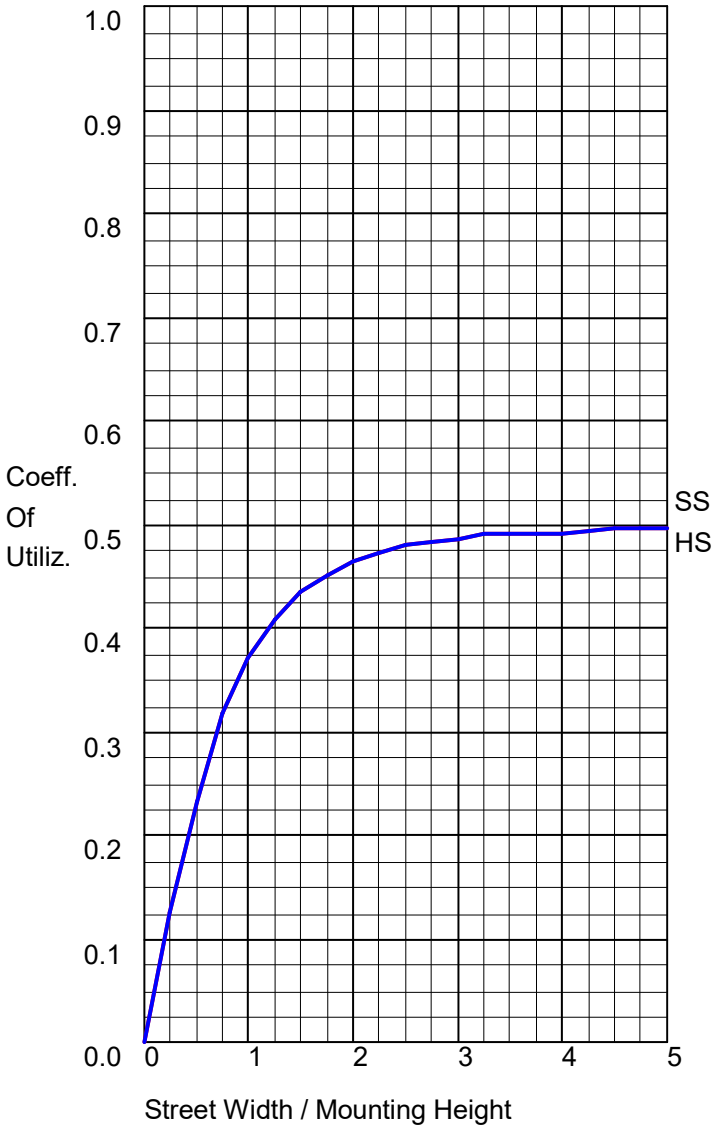
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	4681.9	50.0
Downward House Side	4681.9	50.0
Downward Total	9363.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	9363.8	100.0

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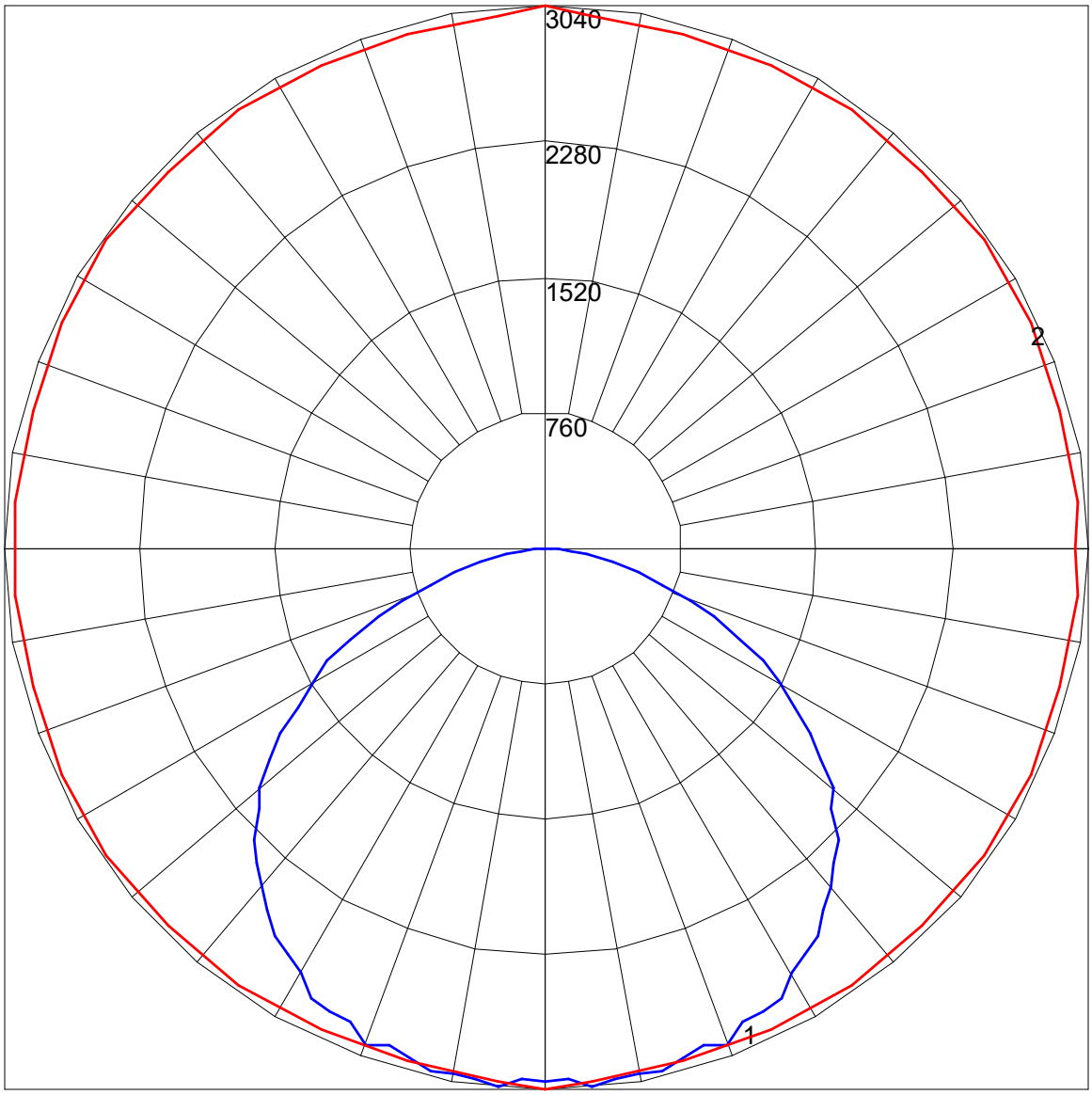
POLAR GRAPH



Maximum Candela = 3040 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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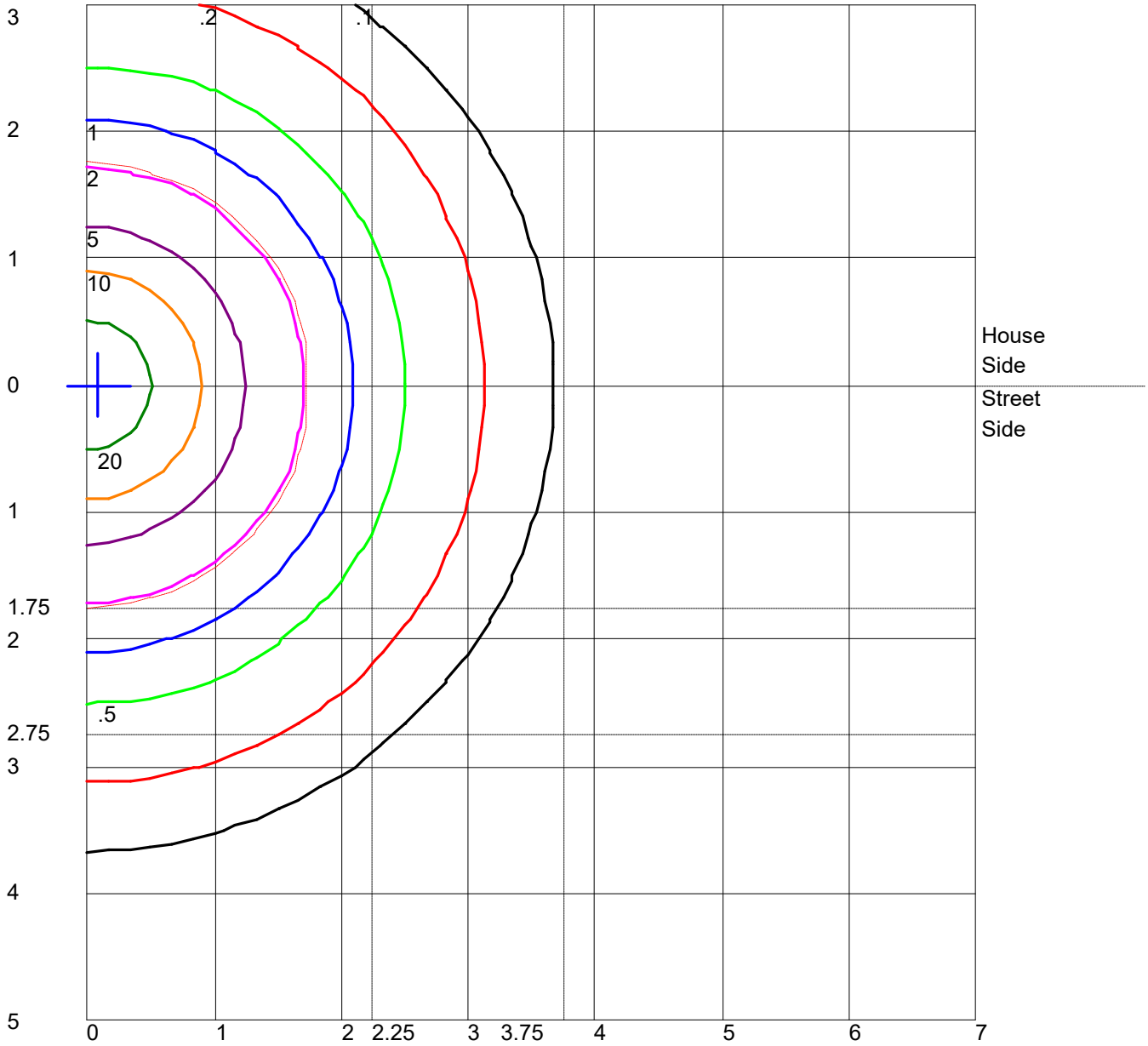
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



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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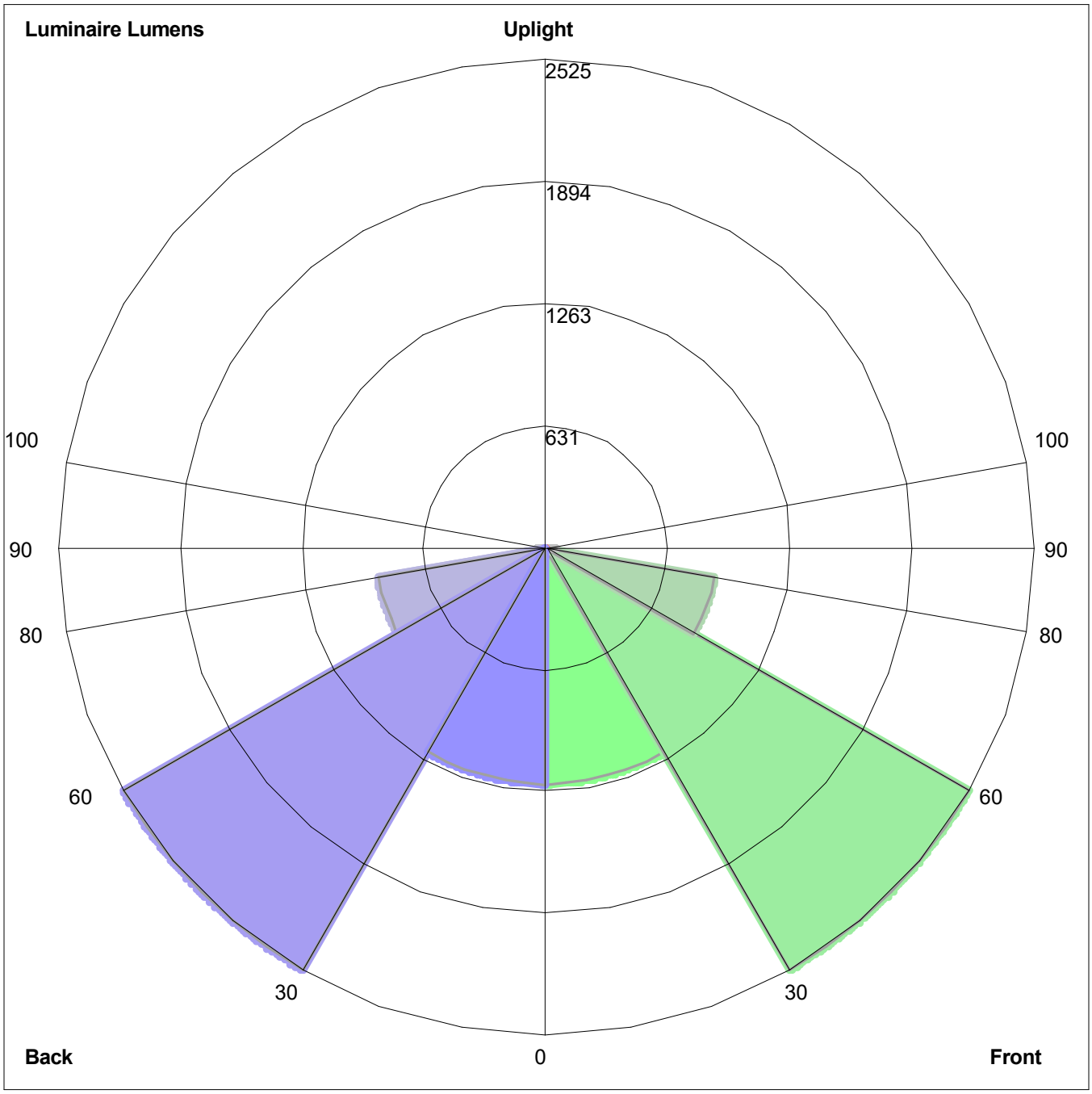
LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1223.5, Medium= 2525.0, High=885.5, Very High=47.9
Back: Low=1223.5, Medium= 2525.0, High=885.5, Very High=47.9
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G1

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