IES ROAD REPORT
PHOTOMETRIC FILENAME : CRUS_SM-SC-VLW-40.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-40
[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	9008
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	150
Total Luminaire Watts	60
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2924
Maximum Candela Angle	90H 5V
Maximum Candela (<90 Degrees Vertical)	2924
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	246 (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)	1177.0	N.A.	13.1
FM - Front-Medium (30-60)	2429.1	N.A.	27.0
FH - Front-High (60-80)	851.9	N.A.	9.5
FVH - Front-Very High (80-90)	46.1	N.A.	0.5
BL - Back-Low (0-30)	1177.0	N.A.	13.1
BM - Back-Medium (30-60)	2429.1	N.A.	27.0
BH - Back-High (60-80)	851.9	N.A.	9.5
BVH - Back-Very High (80-90)	46.1	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	9008.2	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	2885	2885	2885	2885	2885	2885	2885	2885	2885	2885
2.5	2898	2896	2885	2894	2886	2884	2901	2890	2915	2895
5.0	2866	2882	2870	2889	2896	2879	2892	2876	2873	2888
7.5	2888	2881	2916	2891	2865	2888	2884	2896	2895	2896
10.0	2914	2892	2864	2865	2888	2866	2861	2870	2877	2856
12.5	2864	2849	2871	2885	2875	2873	2873	2865	2891	2873
15.0	2847	2864	2850	2847	2862	2846	2846	2877	2840	2862
17.5	2840	2842	2851	2843	2831	2849	2846	2831	2853	2823
20.0	2817	2822	2800	2816	2831	2805	2794	2800	2824	2805
22.5	2774	2780	2786	2793	2799	2813	2769	2774	2769	2780
25.0	2761	2747	2765	2747	2752	2759	2771	2786	2749	2768
27.5	2728	2713	2716	2725	2706	2713	2723	2703	2704	2688
30.0	2653	2676	2669	2660	2667	2680	2675	2657	2680	2692
32.5	2637	2600	2614	2616	2596	2624	2610	2629	2596	2585
35.0	2517	2554	2541	2552	2555	2551	2538	2546	2549	2546
37.5	2495	2448	2468	2468	2489	2471	2488	2475	2477	2466
40.0	2387	2395	2397	2395	2388	2379	2397	2385	2387	2384
42.5	2304	2302	2315	2304	2320	2315	2287	2298	2292	2303
45.0	2201	2191	2206	2224	2209	2205	2220	2206	2222	2222
47.5	2096	2126	2106	2111	2114	2114	2094	2104	2110	2089
50.0	2006	1986	2015	2006	1990	2003	1990	2005	1985	2005
52.5	1894	1887	1870	1870	1883	1868	1866	1877	1884	1874
55.0	1750	1761	1759	1757	1754	1755	1754	1760	1750	1752
57.5	1629	1614	1622	1618	1625	1631	1624	1614	1612	1595
60.0	1487	1471	1472	1481	1481	1479	1478	1490	1481	1471
62.5	1320	1325	1336	1332	1333	1325	1338	1333	1330	1323
65.0	1153	1168	1171	1177	1176	1192	1175	1171	1176	1164
67.5	998	991	1018	1029	1024	1000	1016	1010	1000	992
70.0	807	810	832	852	849	837	844	847	823	816
72.5	659	668	667	664	676	673	671	660	671	662
75.0	519	514	507	505	509	498	515	514	513	516
77.5	364	373	371	369	364	353	375	375	379	371
80.0	233	241	241	233	241	236	246	240	243	239
82.5	127	139	139	137	136	130	137	136	141	139
85.0	58	62	63	63	62	62	60	62	63	64
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	2885
2.5	2869
5.0	2924
7.5	2890
10.0	2880
12.5	2901
15.0	2852
17.5	2823
20.0	2855
22.5	2772
25.0	2763
27.5	2742

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CANDELA TABULATION - (Cont.)

30.0	2650
32.5	2606
35.0	2561
37.5	2470
40.0	2391
42.5	2306
45.0	2232
47.5	2091
50.0	2023
52.5	1876
55.0	1750
57.5	1594
60.0	1452
62.5	1330
65.0	1162
67.5	982
70.0	828
72.5	651
75.0	519
77.5	363
80.0	225
82.5	132
85.0	61
87.5	22
90.0	0

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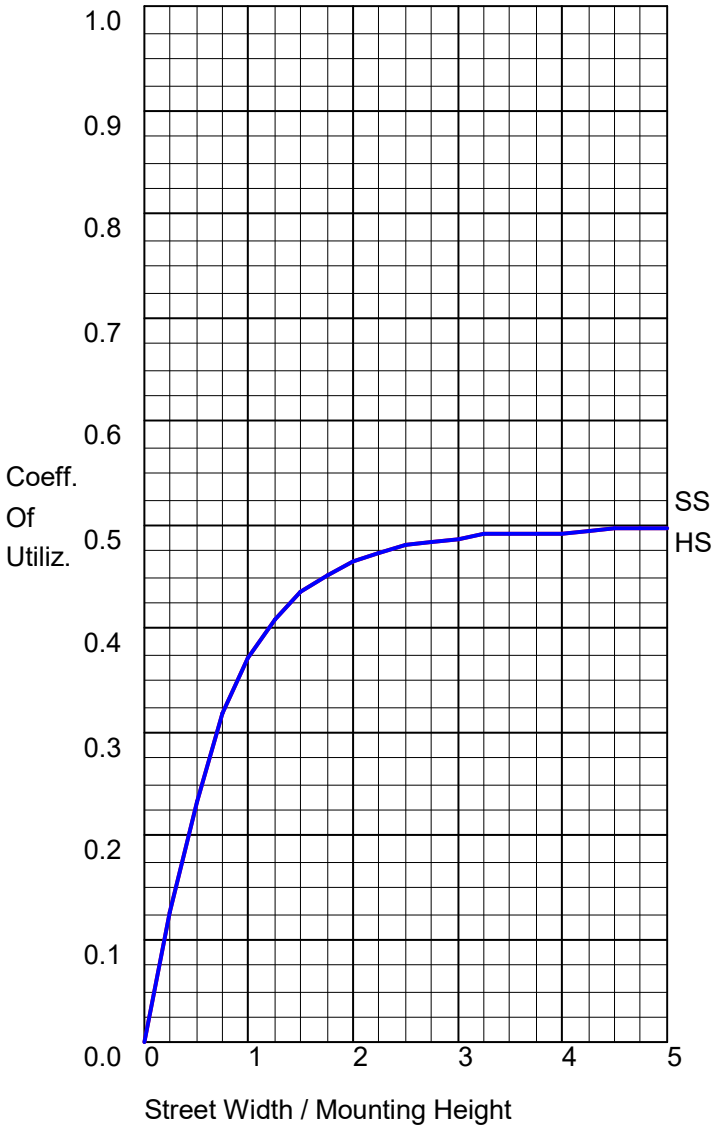
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	4504.1	50.0
Downward House Side	4504.1	50.0
Downward Total	9008.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	9008.2	100.0

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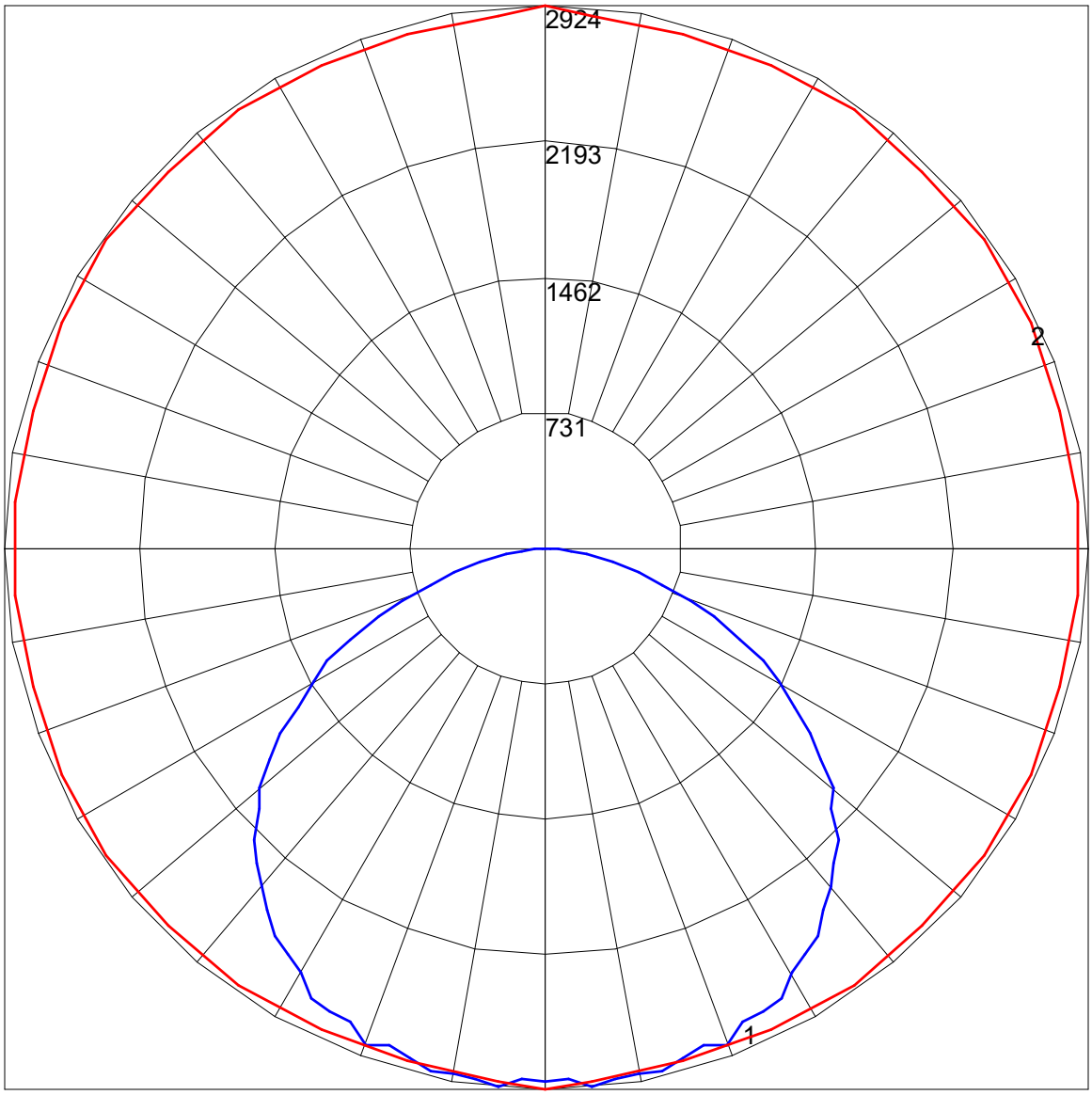
POLAR GRAPH



Maximum Candela = 2924 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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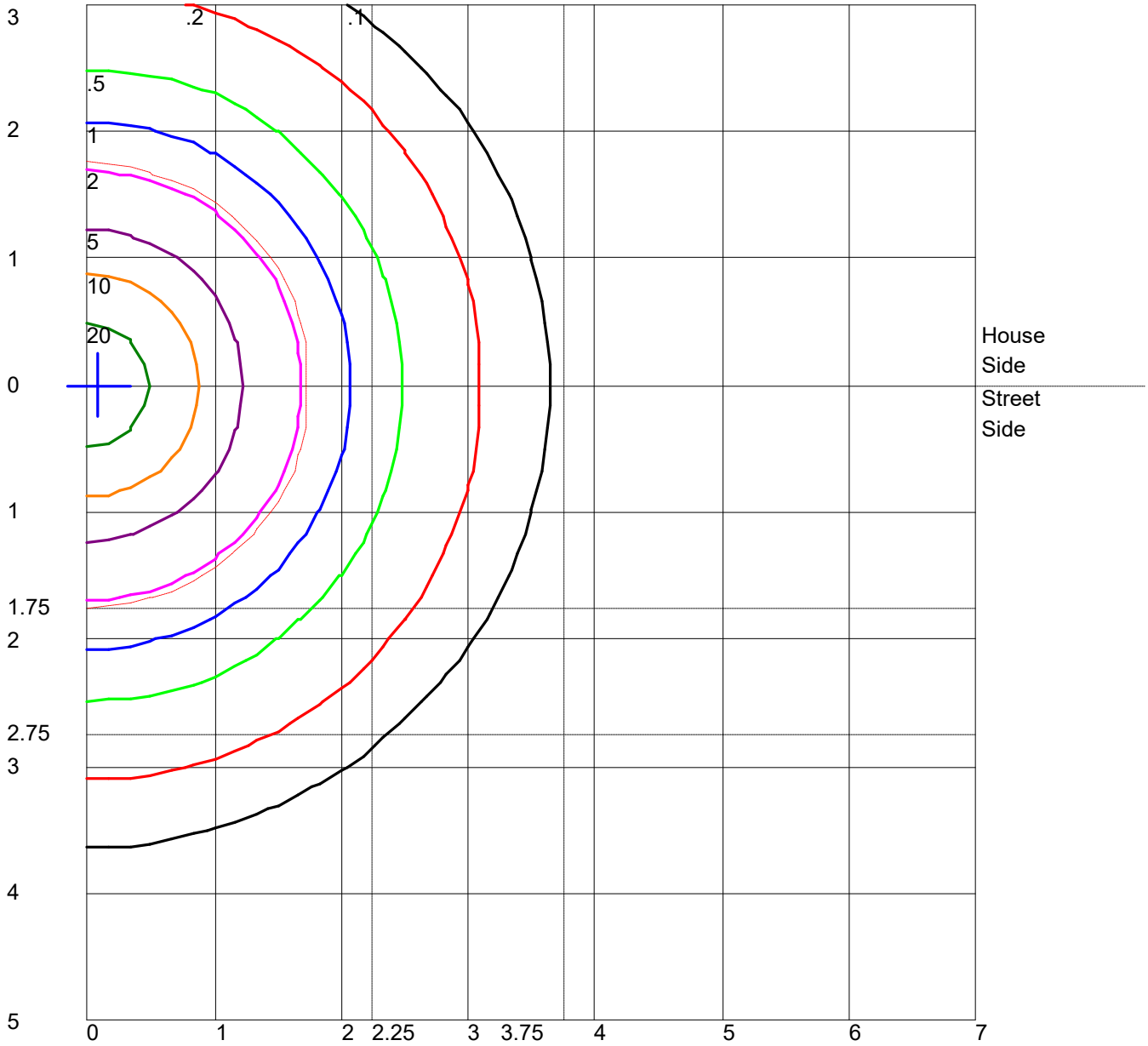
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



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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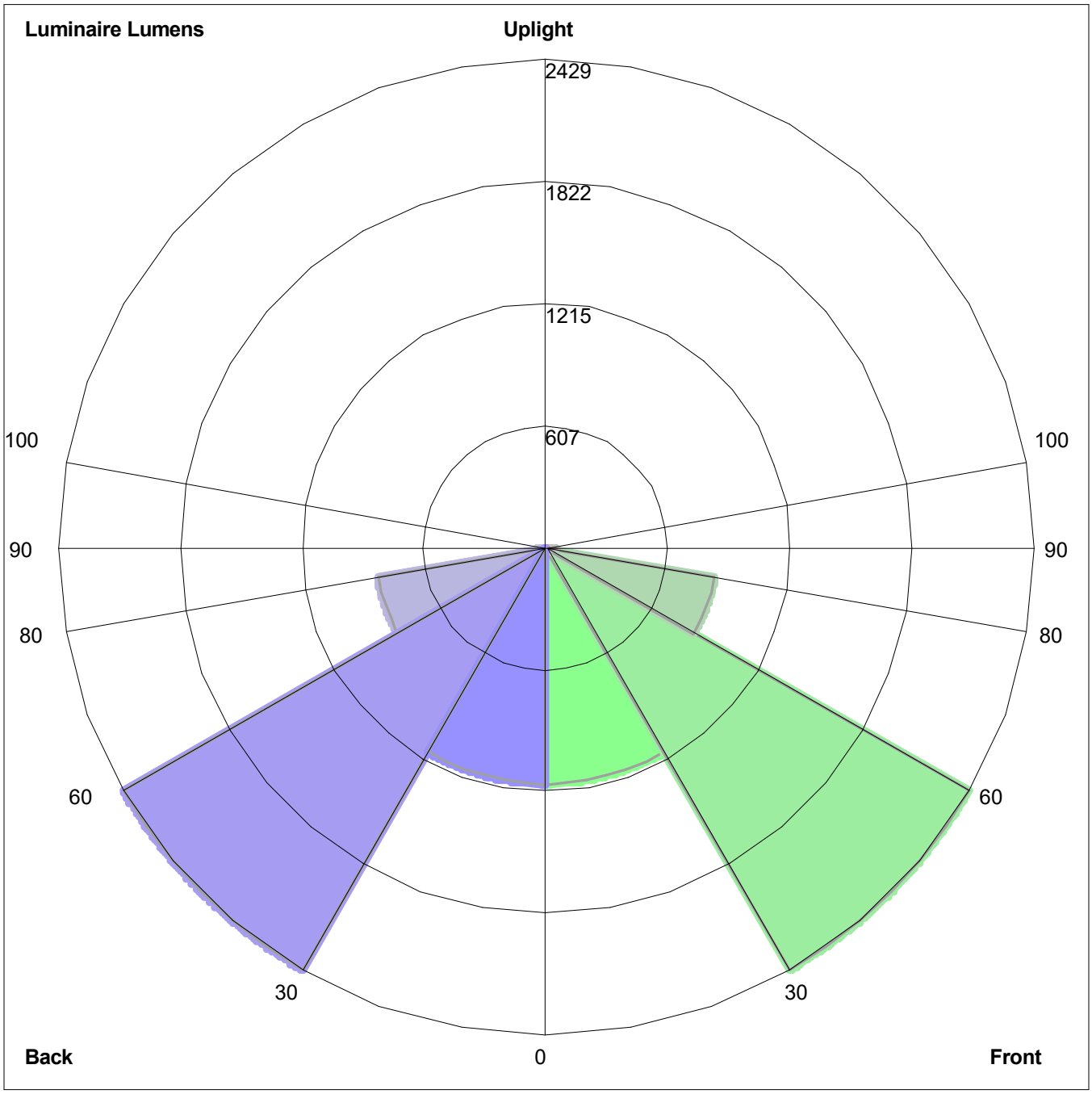
LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low= 1177.0, Medium=2429.1, High=851.9, Very High=46.1
Back: Low= 1177.0, Medium=2429.1, High=851.9, Very High=46.1
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G1

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