IES ROAD REPORT
PHOTOMETRIC FILENAME : CRUS_SM-SC-LW-40.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12153
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 08/27/20
[TESTDATE] 08/18/20
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] CRUS_SM-SC-LW-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	10725
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	147
Total Luminaire Watts	73
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3478
Maximum Candela Angle	90H 7.5V
Maximum Candela (<90 Degrees Vertical)	3478
Maximum Candela Angle (<90 Degrees Vertical)	90H 7.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	289 (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)	1401.5	N.A.	13.1
FM - Front-Medium (30-60)	2892.0	N.A.	27.0
FH - Front-High (60-80)	1013.9	N.A.	9.5
FVH - Front-Very High (80-90)	54.9	N.A.	0.5
BL - Back-Low (0-30)	1401.5	N.A.	13.1
BM - Back-Medium (30-60)	2892.0	N.A.	27.0
BH - Back-High (60-80)	1013.9	N.A.	9.5
BVH - Back-Very High (80-90)	54.9	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	10724.6	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	3434	3434	3434	3434	3434	3434	3434	3434	3434	3434
2.5	3406	3441	3453	3424	3444	3436	3437	3416	3447	3421
5.0	3475	3440	3443	3436	3456	3436	3449	3456	3433	3452
7.5	3409	3435	3441	3448	3453	3430	3439	3452	3439	3434
10.0	3453	3410	3421	3418	3445	3423	3413	3415	3424	3439
12.5	3394	3431	3434	3425	3395	3404	3430	3431	3436	3397
15.0	3408	3401	3399	3400	3417	3389	3368	3388	3371	3385
17.5	3362	3357	3390	3374	3388	3377	3407	3380	3387	3378
20.0	3347	3365	3354	3364	3354	3344	3322	3380	3361	3356
22.5	3334	3318	3314	3316	3323	3331	3337	3299	3297	3304
25.0	3263	3269	3280	3287	3276	3284	3267	3272	3281	3304
27.5	3235	3252	3248	3240	3244	3232	3235	3238	3234	3222
30.0	3177	3155	3164	3155	3178	3172	3182	3177	3168	3191
32.5	3088	3122	3106	3119	3104	3127	3087	3106	3113	3079
35.0	3051	3028	3028	3035	3036	3019	3037	3036	3029	3025
37.5	2933	2935	2944	2933	2947	2951	2944	2943	2932	2943
40.0	2848	2845	2857	2851	2878	2855	2840	2842	2840	2858
42.5	2720	2749	2731	2747	2734	2738	2761	2757	2761	2743
45.0	2651	2617	2634	2616	2636	2639	2644	2634	2619	2623
47.5	2532	2508	2505	2521	2499	2520	2491	2497	2505	2508
50.0	2361	2387	2387	2391	2400	2376	2395	2390	2368	2379
52.5	2245	2236	2231	2221	2236	2227	2218	2230	2246	2223
55.0	2090	2091	2088	2102	2091	2088	2083	2089	2084	2073
57.5	1925	1927	1937	1932	1928	1937	1942	1922	1924	1916
60.0	1774	1762	1763	1762	1762	1766	1760	1759	1748	1755
62.5	1564	1575	1568	1575	1601	1591	1585	1599	1573	1572
65.0	1396	1389	1403	1395	1391	1402	1415	1397	1406	1389
67.5	1185	1184	1197	1212	1210	1202	1218	1209	1196	1176
70.0	976	968	988	1000	1004	997	1007	1008	995	967
72.5	781	790	795	795	806	800	790	782	786	793
75.0	608	616	610	612	617	599	607	609	614	615
77.5	432	445	447	447	446	419	437	436	443	443
80.0	277	284	289	282	284	283	288	283	286	285
82.5	162	166	165	159	161	157	162	164	169	165
85.0	74	73	71	72	70	73	74	78	77	74
87.5	25	24	24	25	24	25	27	27	26	26
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles
	90
0.0	3434
2.5	3456
5.0	3424
7.5	3478
10.0	3414
12.5	3417
15.0	3411
17.5	3396
20.0	3326
22.5	3345
25.0	3285
27.5	3259

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CANDELA TABULATION - (Cont.)

30.0	3178
32.5	3101
35.0	3023
37.5	2970
40.0	2825
42.5	2767
45.0	2634
47.5	2516
50.0	2362
52.5	2247
55.0	2088
57.5	1916
60.0	1744
62.5	1574
65.0	1380
67.5	1165
70.0	967
72.5	783
75.0	620
77.5	441
80.0	273
82.5	158
85.0	71
87.5	26
90.0	0

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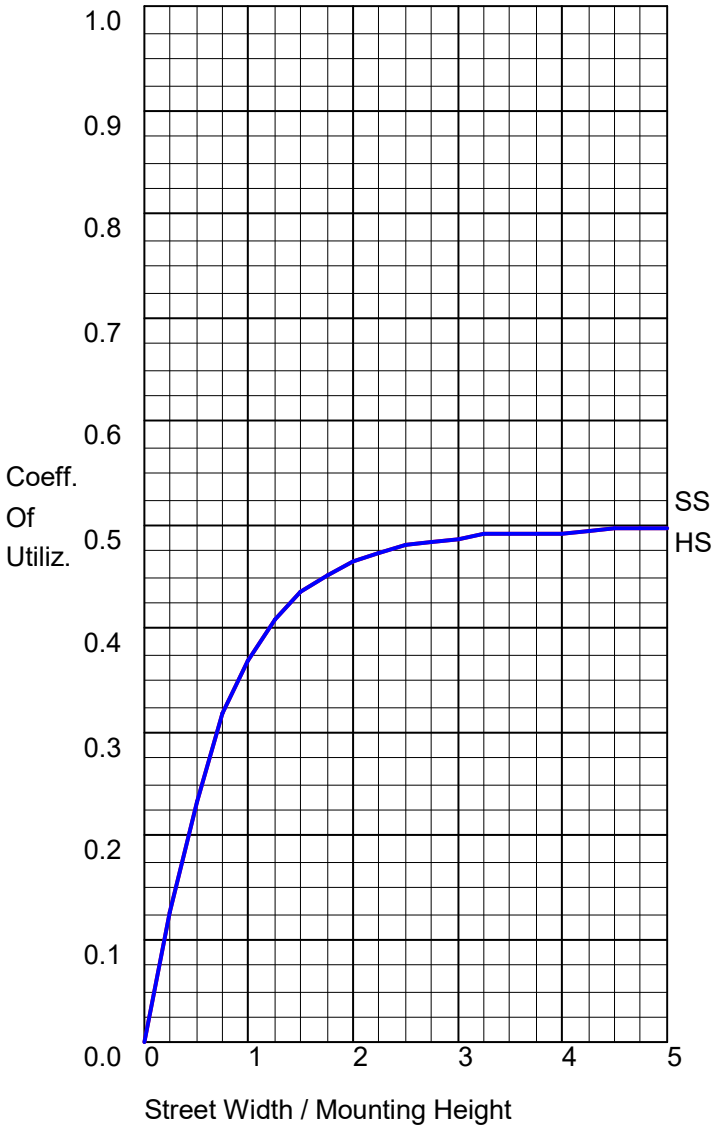
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	5362.3	50.0
Downward House Side	5362.3	50.0
Downward Total	10724.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	10724.6	100.0

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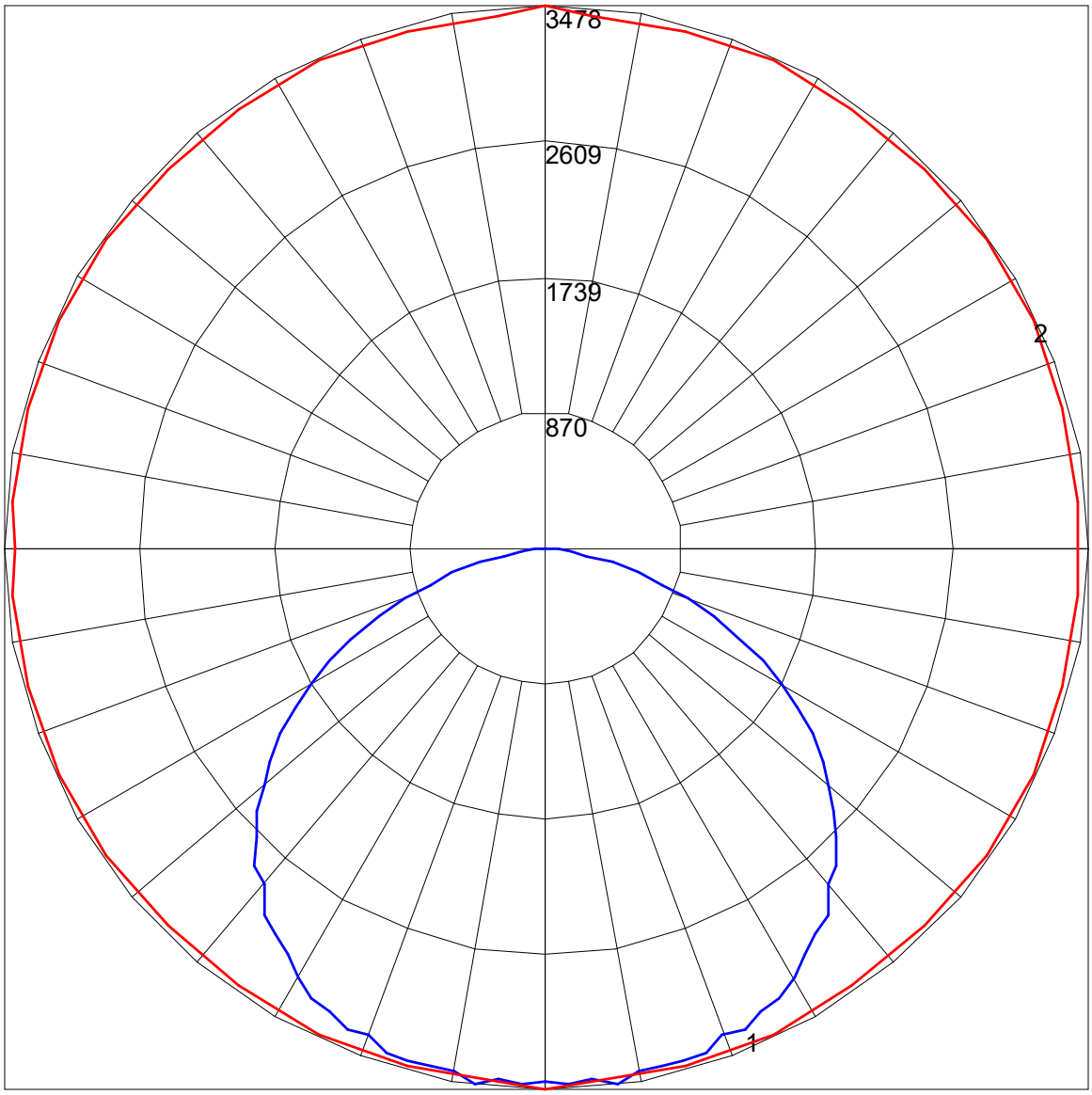
POLAR GRAPH



Maximum Candela = 3478 Located At Horizontal Angle = 90, Vertical Angle = 7.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (7.5) (Through Max. Cd.)

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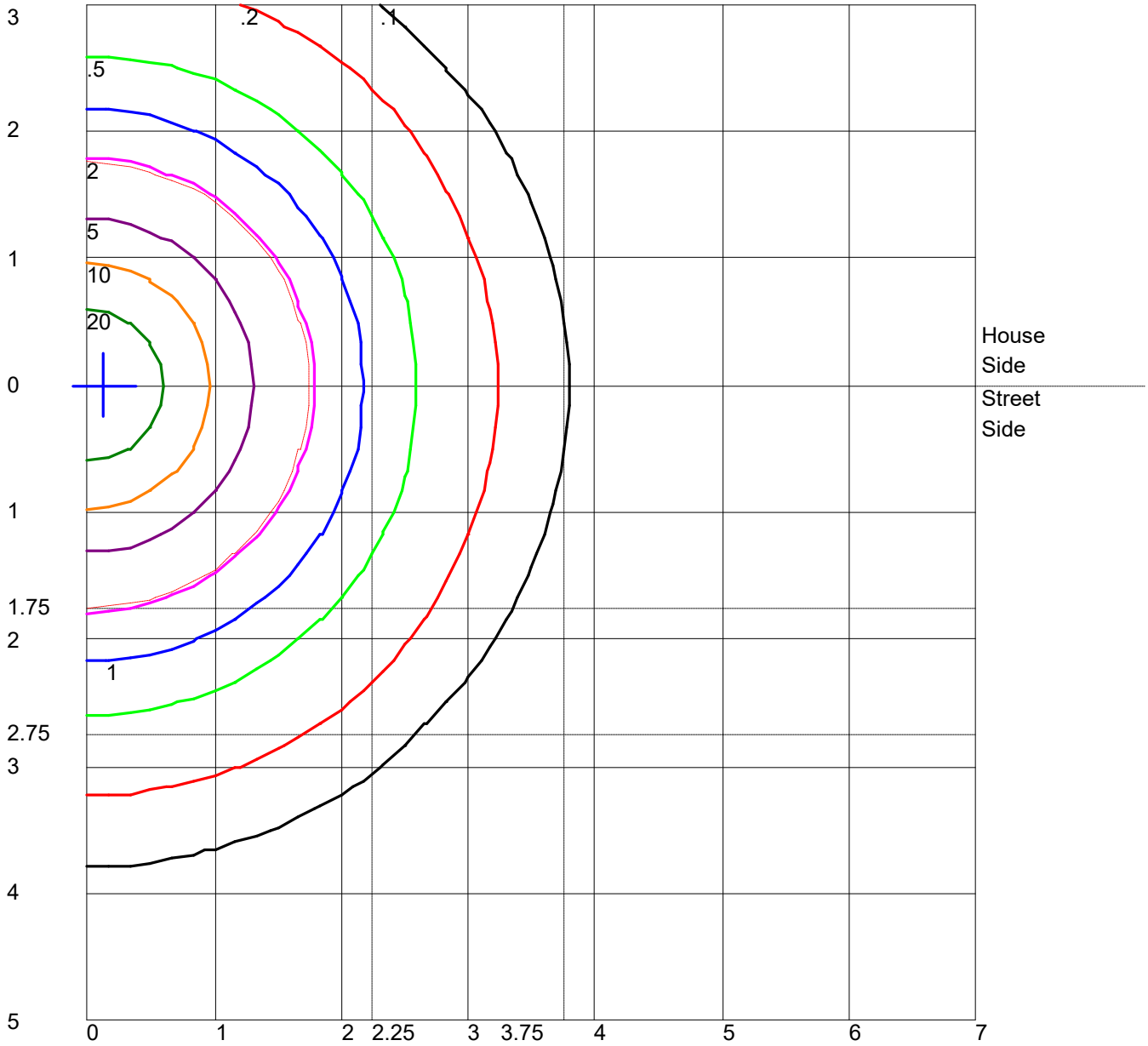
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



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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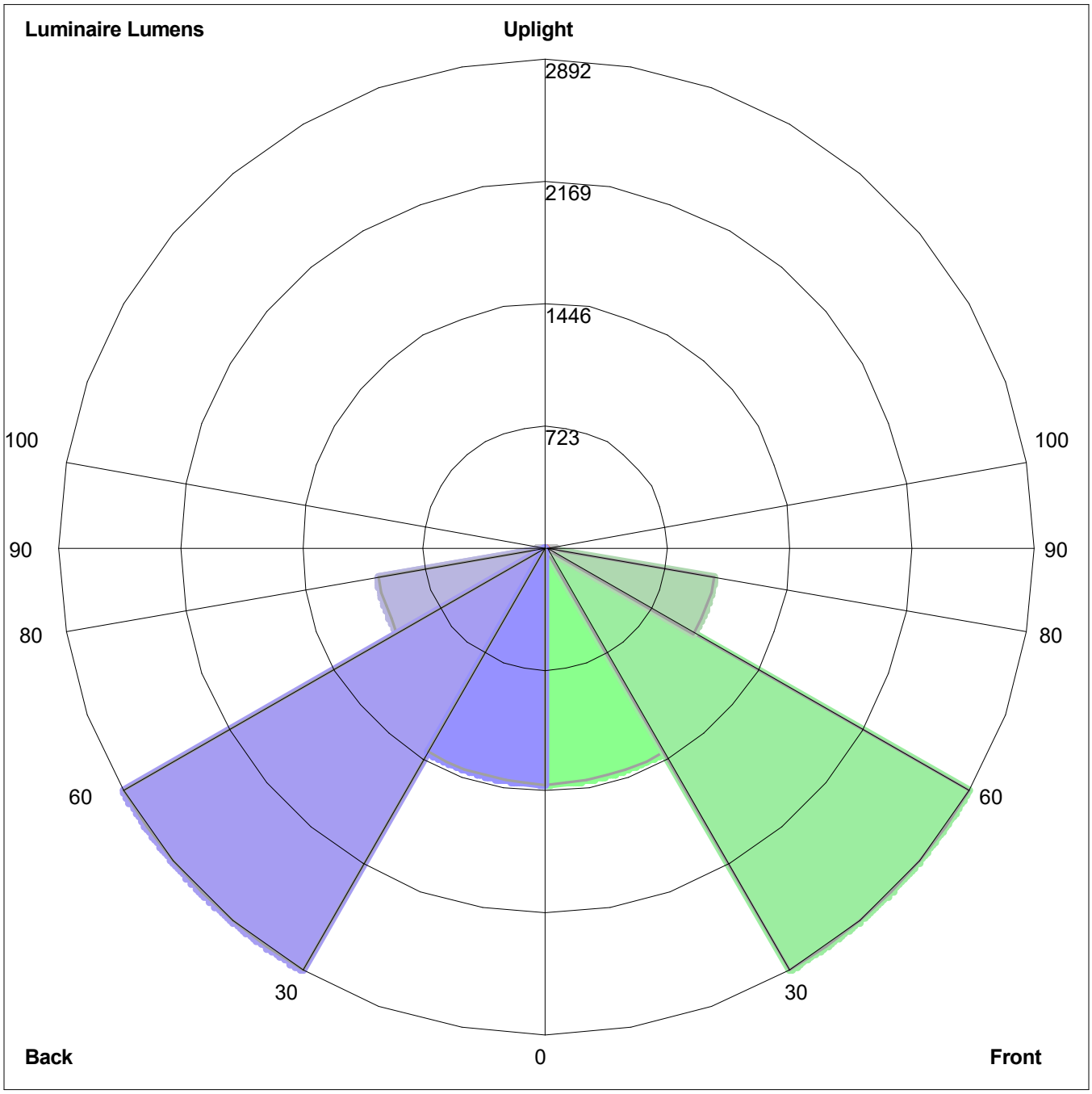
LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1401.5, Medium= 2892.0, High=1013.9, Very High=54.9
Back: Low=1401.5, Medium= 2892.0, High=1013.9, Very High=54.9
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G1

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