IES ROAD REPORT
PHOTOMETRIC FILENAME : CRUS_SM-AC-LW-50.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12156
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 08/27/20
[TESTDATE] 08/19/20
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] CRUS_SM-AC-LW-50
[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 II
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9749
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	73
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5169
Maximum Candela Angle	2.5H 25V
Maximum Candela (<90 Degrees Vertical)	5169
Maximum Candela Angle (<90 Degrees Vertical)	2.5H 25V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1010 (10.4% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1669.4	N.A.	17.1
FM - Front-Medium (30-60)	3803.9	N.A.	39.0
FH - Front-High (60-80)	1668.3	N.A.	17.1
FVH - Front-Very High (80-90)	118.5	N.A.	1.2
BL - Back-Low (0-30)	773.4	N.A.	7.9
BM - Back-Medium (30-60)	1087.9	N.A.	11.2
BH - Back-High (60-80)	577.2	N.A.	5.9
BVH - Back-Very High (80-90)	50.4	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	9749.0	N.A.	100.0
BUG Rating	B2-U0-G2		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0.0	2.5	5.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0
0.0	4029	4029	4029	4029	4029	4029	4029	4029	4029	4029
2.5	4055	4035	4041	4053	4051	4042	4059	4058	4059	4062
5.0	3913	3901	3888	3904	3931	3931	3963	3983	3978	4007
7.5	3712	3707	3698	3717	3748	3783	3817	3843	3862	3870
10.0	3640	3656	3646	3650	3627	3630	3655	3702	3742	3687
12.5	3921	3897	3889	3843	3767	3653	3633	3584	3620	3601
15.0	4158	4163	4147	4110	4029	3860	3718	3665	3499	3548
17.5	4452	4443	4451	4406	4257	4046	3854	3809	3546	3548
20.0	4768	4755	4764	4707	4516	4213	3939	3821	3726	3517
22.5	5142	5140	5127	5000	4692	4291	3993	3810	3891	3458
25.0	5140	5169	5156	5116	4751	4231	3972	3798	4004	3410
27.5	4592	4594	4606	4645	4481	4159	4011	3822	3911	3400
30.0	4242	4230	4227	4198	4149	4069	4043	3873	3876	3431
32.5	4112	4117	4092	4060	4020	3981	3951	3883	4086	3448
35.0	4050	4046	4047	4005	3957	3917	3889	3810	3999	3509
37.5	3986	3967	3981	3956	3883	3836	3844	3799	3799	3590
40.0	3903	3883	3888	3845	3793	3746	3756	3802	3651	3549
42.5	3799	3784	3779	3746	3677	3640	3639	3726	3625	3442
45.0	3643	3627	3633	3593	3566	3522	3507	3558	3549	3270
47.5	3461	3470	3457	3435	3433	3407	3379	3372	3405	3214
50.0	3237	3243	3238	3239	3267	3262	3239	3202	3295	3172
52.5	2957	2958	2967	3032	3109	3095	3090	3072	3068	3149
55.0	2694	2707	2699	2786	2912	2931	2964	2953	2874	2992
57.5	2460	2470	2471	2543	2708	2778	2857	2823	2688	2640
60.0	2228	2225	2242	2327	2526	2649	2757	2686	2493	2331
62.5	2032	2032	2042	2109	2314	2531	2640	2491	2306	2083
65.0	1923	1916	1932	2016	2135	2395	2489	2285	2086	1803
67.5	1701	1733	1764	2011	2047	2273	2303	2004	1805	1573
70.0	1297	1319	1354	2012	1994	2160	2044	1709	1549	1363
72.5	1070	1079	1112	1950	1903	1935	1769	1428	1266	1150
75.0	771	786	807	1773	1707	1588	1387	1140	971	923
77.5	348	347	380	1243	1372	1289	917	833	707	654
80.0	259	264	281	825	1010	955	630	524	455	410
82.5	221	223	241	566	588	476	374	229	262	222
85.0	144	152	163	288	233	171	168	90	120	107
87.5	45	51	53	80	73	65	55	42	44	44
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	85.0	90.0	95.0	105.0	115.0	125.0	135.0	145.0	155.0	165.0
0.0	4029	4029	4029	4029	4029	4029	4029	4029	4029	4029
2.5	4042	4059	4043	4041	4032	4030	3989	3976	3981	3948
5.0	3998	4005	3997	3955	3902	3798	3678	3567	3409	3363
7.5	3861	3872	3853	3776	3634	3378	3066	2754	2559	2475
10.0	3660	3664	3623	3513	3246	2822	2431	2136	2013	1960
12.5	3428	3410	3369	3165	2807	2314	1964	1831	1762	1713
15.0	3234	3148	3102	2847	2404	1955	1721	1619	1563	1520
17.5	3155	2961	2894	2612	2084	1748	1540	1440	1385	1338
20.0	3217	2921	2739	2444	1921	1620	1387	1278	1220	1190
22.5	3320	2913	2651	2419	1812	1464	1240	1118	1075	1060
25.0	3351	2895	2621	2303	1639	1322	1092	973	960	970
27.5	3372	2955	2611	2131	1528	1203	953	849	864	875

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CANDELA TABULATION - (Cont.)

30.0	3468	3033	2548	2011	1518	1066	826	737	749	740
32.5	3536	2997	2474	2054	1471	954	719	632	635	635
35.0	3471	2928	2424	2070	1325	867	637	552	557	597
37.5	3288	2819	2393	1903	1186	809	578	502	515	579
40.0	3172	2742	2409	1728	1100	751	545	476	491	545
42.5	3071	2688	2382	1639	1060	701	523	458	464	494
45.0	2993	2671	2332	1612	1051	672	506	441	435	445
47.5	2959	2742	2327	1643	1120	672	495	423	408	409
50.0	2885	2778	2334	1725	1212	701	488	403	380	385
52.5	2771	2690	2280	1825	1264	735	484	385	359	360
55.0	2566	2518	2196	1874	1293	755	479	368	337	337
57.5	2371	2283	2061	1868	1302	773	477	351	315	309
60.0	2208	2084	1917	1831	1274	782	476	334	289	281
62.5	1980	1883	1767	1714	1228	774	467	315	268	267
65.0	1715	1656	1598	1526	1167	749	442	297	249	250
67.5	1481	1437	1416	1356	1085	694	406	275	232	233
70.0	1291	1246	1230	1228	979	633	373	255	214	216
72.5	1088	1023	1029	1045	847	576	340	227	191	198
75.0	882	814	804	813	680	499	300	204	167	169
77.5	618	539	556	591	468	427	253	170	148	150
80.0	389	287	302	374	322	302	193	139	118	125
82.5	242	181	135	219	207	165	91	100	93	99
85.0	116	97	71	102	106	85	60	70	67	72
87.5	47	45	43	48	45	48	44	47	47	48
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	**Horizontal Angles**	
	175.0	**180.0**
0.0	4029	4029
2.5	3962	3941
5.0	3321	3304
7.5	2411	2391
10.0	1932	1917
12.5	1701	1693
15.0	1491	1494
17.5	1313	1302
20.0	1159	1156
22.5	1043	1041
25.0	963	962
27.5	847	841
30.0	707	702
32.5	635	635
35.0	620	624
37.5	601	604
40.0	559	556
42.5	495	491
45.0	443	439
47.5	412	408
50.0	386	385
52.5	361	356
55.0	335	332
57.5	300	295
60.0	271	269
62.5	268	265
65.0	263	259

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CANDELA TABULATION - (Cont.)

67.5	241	237
70.0	217	208
72.5	191	181
75.0	159	148
77.5	128	115
80.0	108	96
82.5	97	87
85.0	73	66
87.5	49	46
90.0	0	0

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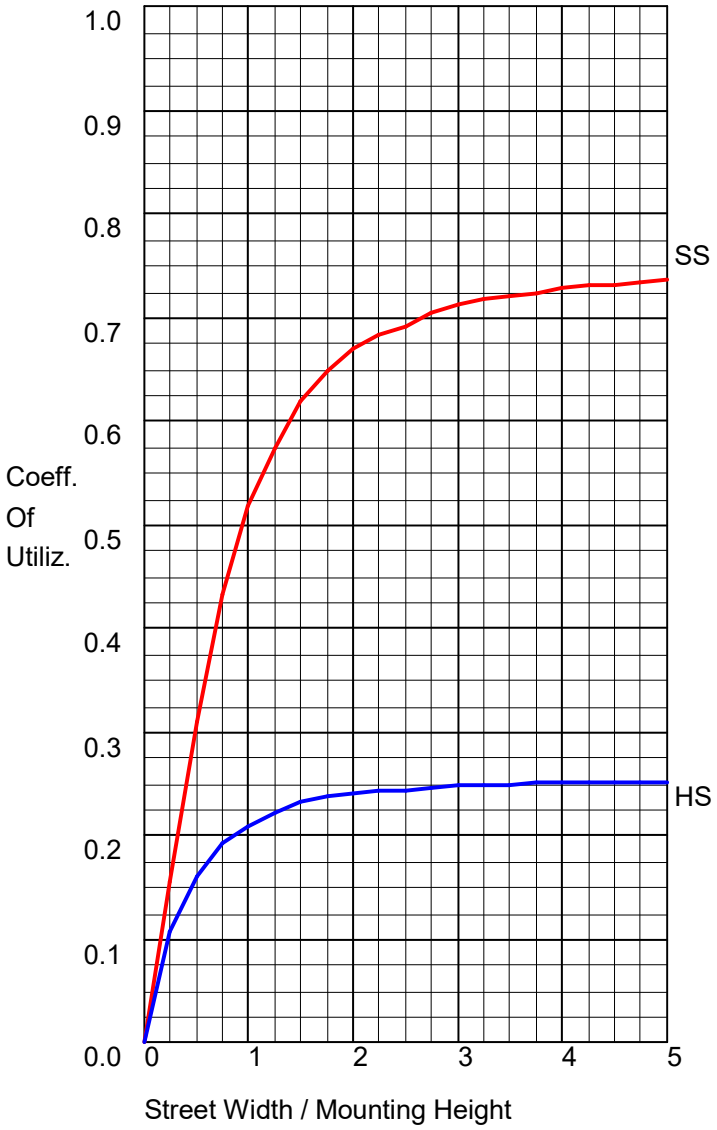
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	7260.1	74.5
Downward House Side	2489.0	25.5
Downward Total	9749.1	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	9749.1	100.0

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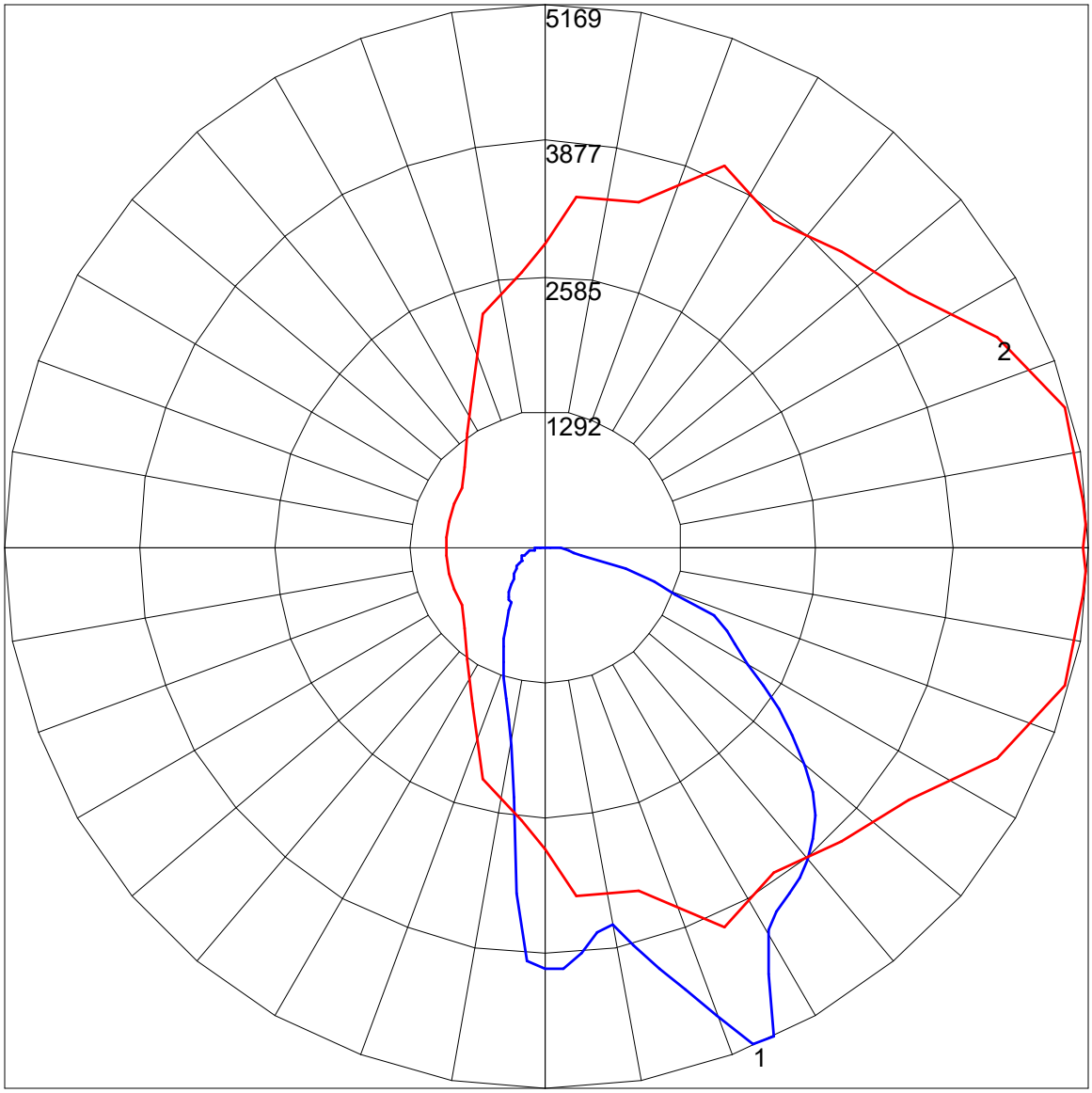
POLAR GRAPH



Maximum Candela = 5169 Located At Horizontal Angle = 2.5, Vertical Angle = 25
1 - Vertical Plane Through Horizontal Angles (2.5 - 182.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (25) (Through Max. Cd.)

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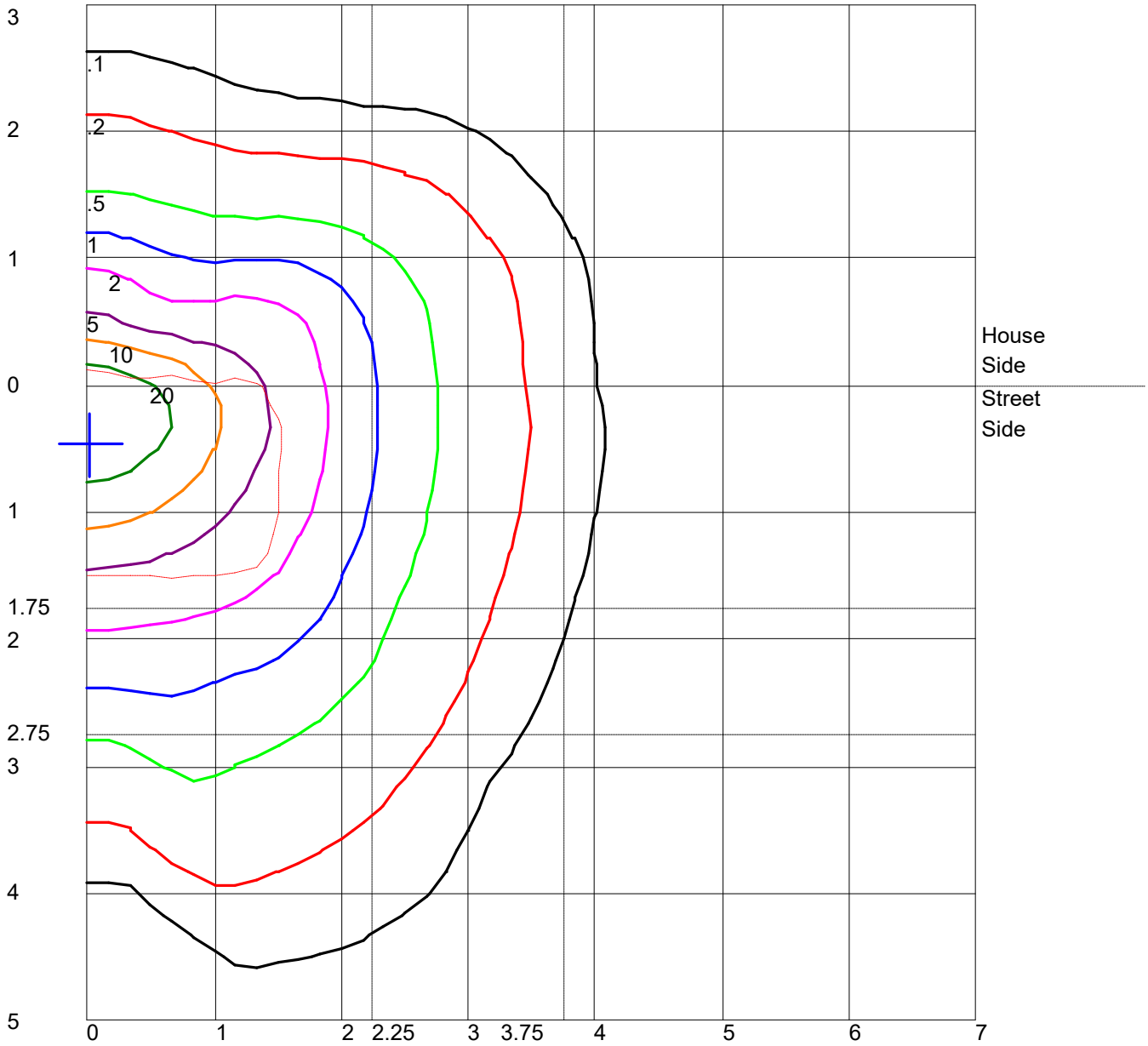
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



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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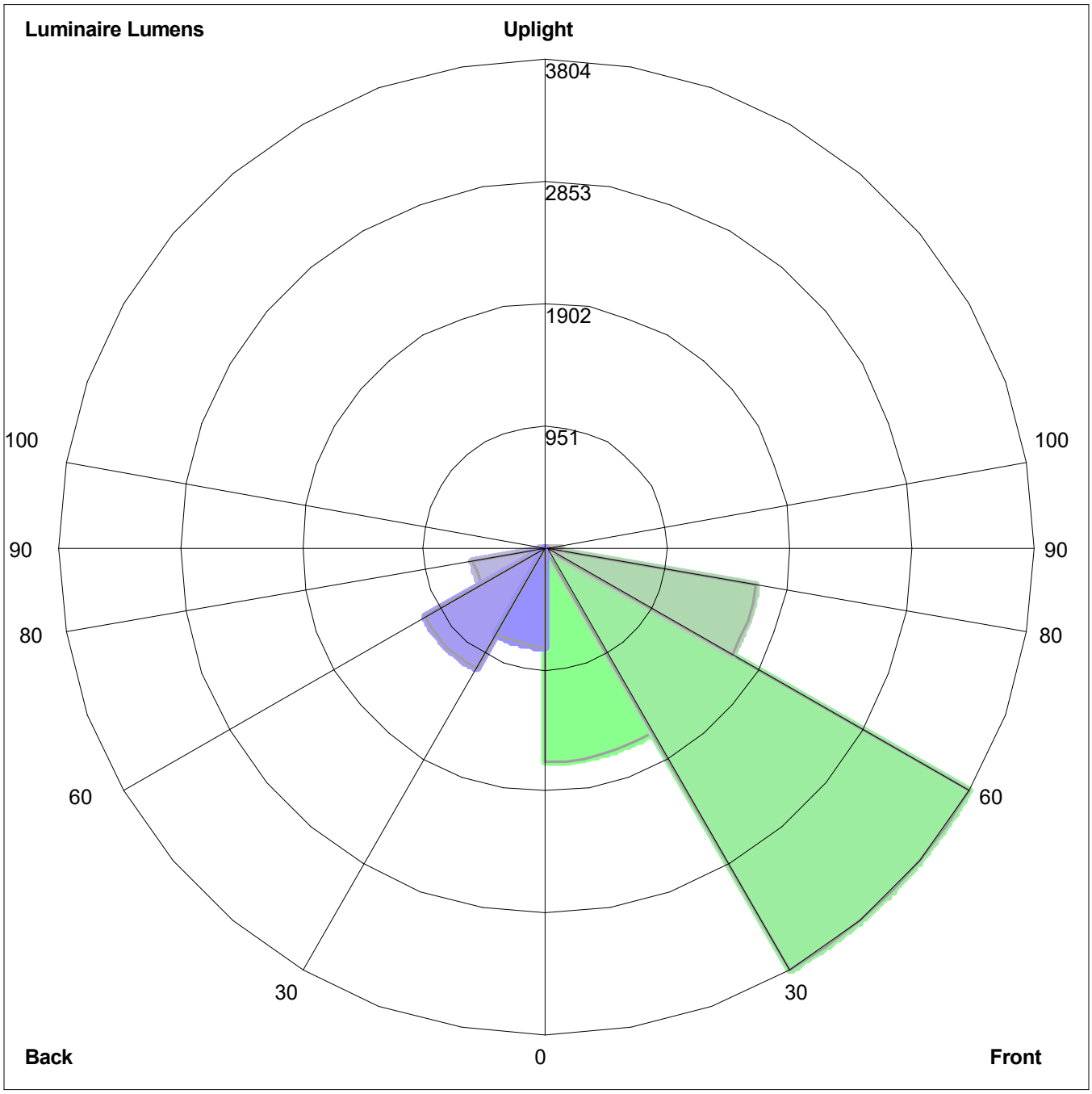
LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1669.4, Medium=3803.9, High=1668.3, Very High=118.5
Back: Low=773.4, Medium=1087.9, High=577.2, Very High=50.4
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2

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