IES ROAD REPORT
PHOTOMETRIC FILENAME : CRUS_SM-AC-VLW-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-VLW-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	8189
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	60
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4341
Maximum Candela Angle	2.5H 25V
Maximum Candela (<90 Degrees Vertical)	4341
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	848 (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)	1402.3	N.A.	17.1
FM - Front-Medium (30-60)	3195.2	N.A.	39.0
FH - Front-High (60-80)	1401.3	N.A.	17.1
FVH - Front-Very High (80-90)	99.5	N.A.	1.2
BL - Back-Low (0-30)	649.6	N.A.	7.9
BM - Back-Medium (30-60)	913.8	N.A.	11.2
BH - Back-High (60-80)	484.8	N.A.	5.9
BVH - Back-Very High (80-90)	42.2	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	8188.7	N.A.	100.0
BUG Rating	B2-U0-G1		

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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	3385	3385	3385	3385	3385	3385	3385	3385	3385	3385
2.5	3406	3389	3394	3404	3403	3396	3409	3409	3409	3412
5.0	3287	3277	3266	3279	3302	3302	3329	3346	3341	3366
7.5	3118	3114	3107	3122	3149	3177	3206	3228	3244	3251
10.0	3058	3071	3063	3066	3046	3049	3070	3110	3143	3097
12.5	3293	3273	3267	3228	3165	3069	3052	3011	3041	3025
15.0	3493	3497	3483	3452	3385	3242	3123	3079	2939	2980
17.5	3740	3732	3739	3701	3576	3399	3237	3200	2979	2980
20.0	4005	3994	4002	3954	3794	3539	3309	3210	3130	2954
22.5	4319	4318	4307	4200	3941	3605	3354	3200	3268	2905
25.0	4318	4341	4331	4297	3990	3554	3336	3190	3363	2864
27.5	3857	3859	3869	3902	3764	3493	3369	3211	3285	2856
30.0	3563	3553	3551	3526	3485	3418	3396	3254	3256	2882
32.5	3454	3458	3437	3411	3377	3344	3319	3262	3432	2896
35.0	3402	3398	3399	3364	3323	3290	3267	3200	3359	2947
37.5	3348	3332	3344	3323	3262	3222	3229	3191	3191	3015
40.0	3279	3262	3266	3230	3186	3146	3155	3194	3067	2981
42.5	3191	3179	3174	3147	3089	3057	3057	3130	3045	2892
45.0	3060	3046	3052	3018	2995	2959	2946	2988	2981	2747
47.5	2907	2915	2904	2886	2884	2862	2838	2832	2861	2699
50.0	2719	2724	2720	2721	2744	2740	2721	2690	2768	2664
52.5	2483	2485	2492	2547	2611	2600	2595	2581	2577	2645
55.0	2263	2274	2267	2340	2446	2462	2490	2480	2414	2513
57.5	2066	2074	2075	2136	2275	2333	2400	2371	2258	2218
60.0	1871	1869	1883	1955	2122	2225	2316	2256	2094	1958
62.5	1707	1707	1716	1772	1944	2126	2217	2093	1937	1750
65.0	1615	1609	1623	1693	1793	2012	2091	1920	1752	1515
67.5	1429	1456	1481	1689	1720	1909	1934	1683	1516	1321
70.0	1090	1108	1137	1690	1675	1814	1717	1436	1301	1145
72.5	899	906	934	1638	1598	1625	1486	1199	1064	966
75.0	648	660	678	1489	1434	1334	1165	957	815	775
77.5	292	291	320	1044	1152	1083	770	700	594	549
80.0	217	222	236	693	848	802	529	440	382	345
82.5	185	187	202	475	494	400	314	192	220	186
85.0	121	127	137	242	196	143	141	76	101	90
87.5	38	42	44	67	62	55	46	35	37	37
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	3385	3385	3385	3385	3385	3385	3385	3385	3385	3385
2.5	3395	3409	3396	3395	3387	3385	3350	3339	3344	3316
5.0	3358	3364	3357	3322	3278	3190	3090	2996	2864	2825
7.5	3243	3252	3237	3172	3052	2837	2575	2313	2150	2079
10.0	3074	3078	3043	2951	2726	2370	2042	1794	1691	1646
12.5	2879	2864	2830	2659	2358	1944	1650	1538	1480	1439
15.0	2716	2644	2606	2391	2019	1642	1446	1360	1313	1276
17.5	2650	2487	2431	2194	1750	1468	1294	1210	1163	1124
20.0	2702	2453	2301	2053	1613	1361	1165	1074	1025	999
22.5	2789	2447	2227	2032	1522	1230	1041	939	903	891
25.0	2814	2432	2201	1934	1377	1110	917	817	806	815
27.5	2832	2482	2194	1790	1283	1011	801	713	725	735

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CANDELA TABULATION - (Cont.)

30.0	2913	2548	2140	1689	1275	895	694	619	629	621
32.5	2970	2518	2078	1725	1235	801	604	531	533	533
35.0	2915	2460	2036	1739	1113	728	535	463	468	501
37.5	2762	2368	2010	1599	996	679	486	421	433	486
40.0	2664	2303	2024	1451	924	631	458	400	412	458
42.5	2580	2258	2001	1377	891	589	439	385	389	415
45.0	2514	2244	1959	1354	883	565	425	370	366	374
47.5	2486	2303	1955	1380	941	564	416	355	343	344
50.0	2423	2333	1961	1449	1018	589	410	338	320	323
52.5	2328	2260	1915	1533	1061	617	406	323	302	302
55.0	2155	2115	1845	1574	1086	634	403	309	283	283
57.5	1992	1917	1731	1569	1094	649	401	295	265	260
60.0	1855	1750	1610	1538	1070	657	400	280	243	236
62.5	1663	1582	1484	1439	1031	650	393	264	225	224
65.0	1440	1391	1342	1282	980	629	371	250	209	210
67.5	1244	1207	1190	1139	911	583	341	231	195	196
70.0	1084	1046	1033	1032	822	532	313	214	180	181
72.5	914	860	864	878	712	484	285	191	161	166
75.0	741	684	675	682	571	419	252	171	140	142
77.5	519	453	467	496	393	359	213	143	124	126
80.0	327	241	254	314	271	254	162	116	99	105
82.5	204	152	113	184	173	139	76	84	78	83
85.0	97	81	59	86	89	71	50	59	56	60
87.5	40	38	36	40	38	41	37	39	39	40
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	**Horizontal Angles**	
	175.0	**180.0**
0.0	3385	3385
2.5	3328	3311
5.0	2789	2776
7.5	2025	2008
10.0	1623	1610
12.5	1429	1422
15.0	1252	1255
17.5	1103	1094
20.0	974	971
22.5	876	875
25.0	809	808
27.5	712	707
30.0	594	590
32.5	533	534
35.0	520	524
37.5	505	507
40.0	469	467
42.5	416	412
45.0	372	369
47.5	346	343
50.0	324	324
52.5	303	299
55.0	281	279
57.5	252	248
60.0	228	226
62.5	225	222
65.0	221	218

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CANDELA TABULATION - (Cont.)

67.5	202	199
70.0	182	174
72.5	161	152
75.0	134	124
77.5	107	96
80.0	91	81
82.5	81	73
85.0	61	55
87.5	41	39
90.0	0	0

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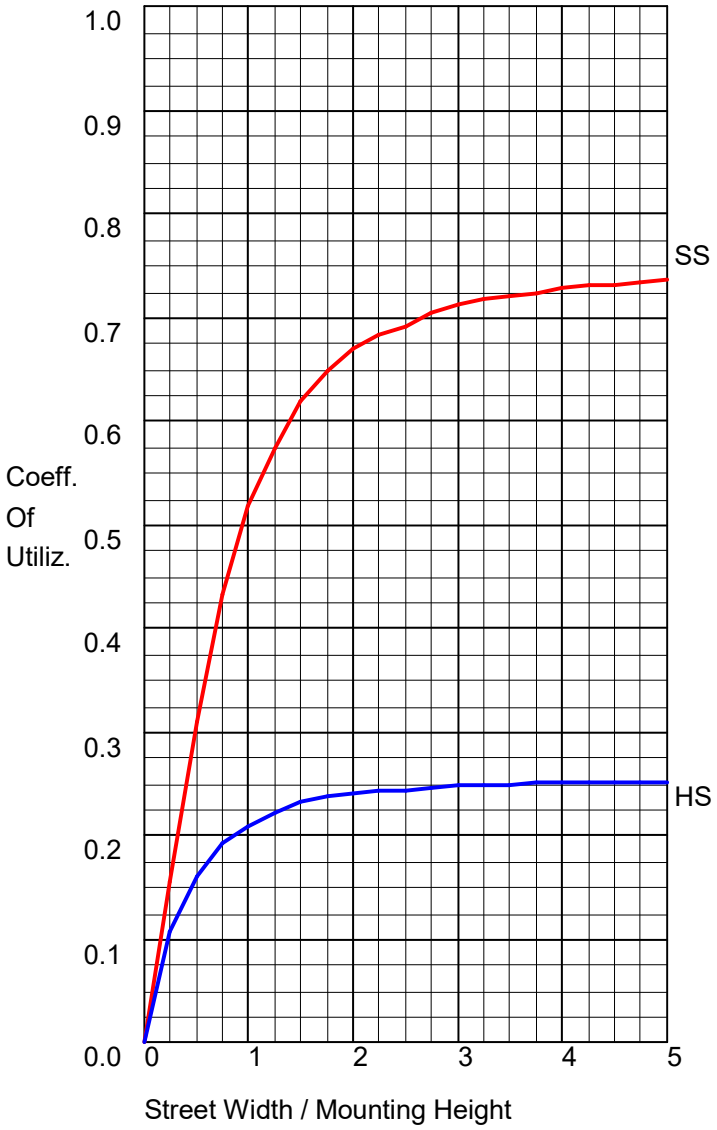
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	6098.3	74.5
Downward House Side	2090.5	25.5
Downward Total	8188.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	8188.8	100.0

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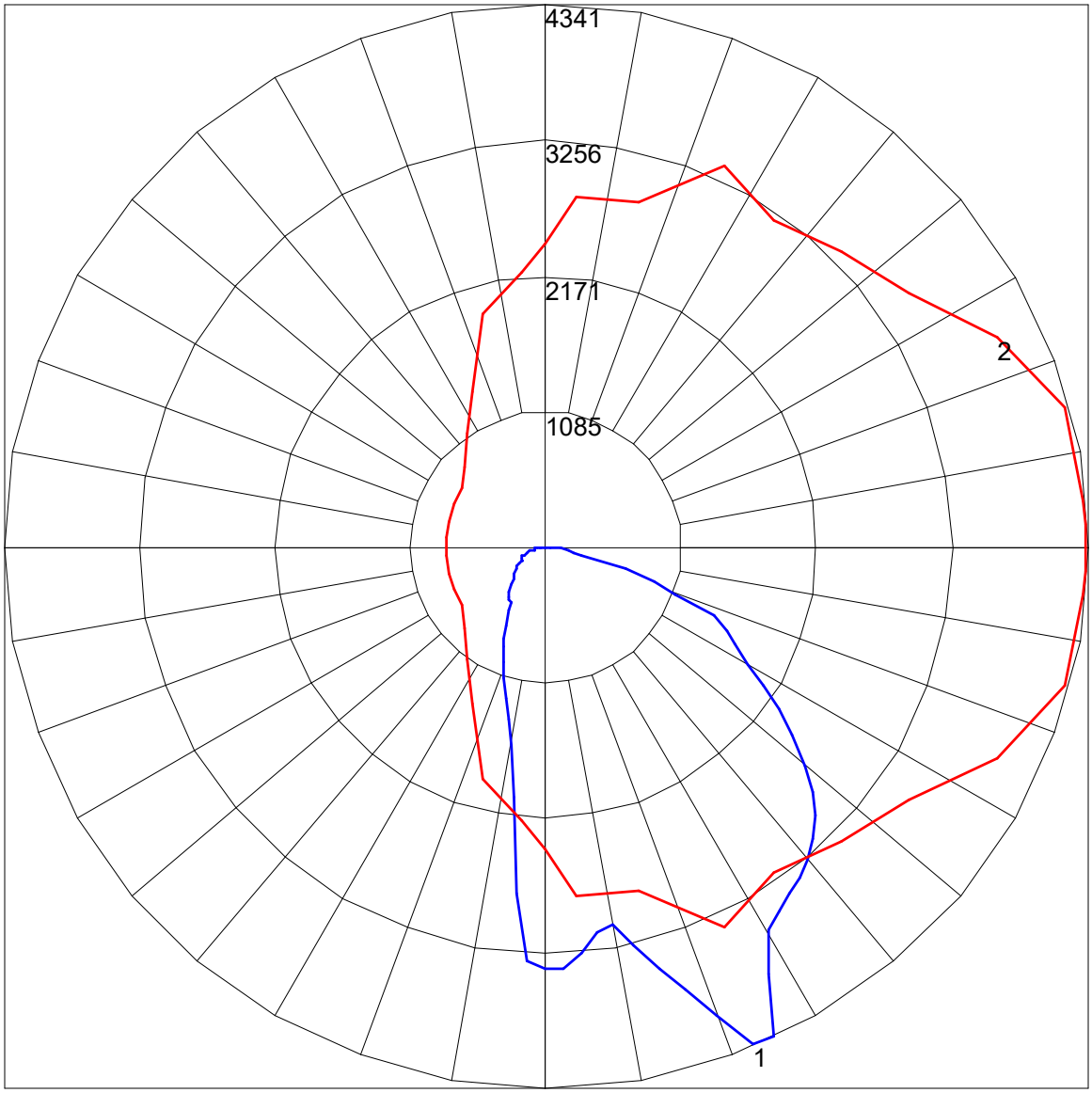
POLAR GRAPH



Maximum Candela = 4341 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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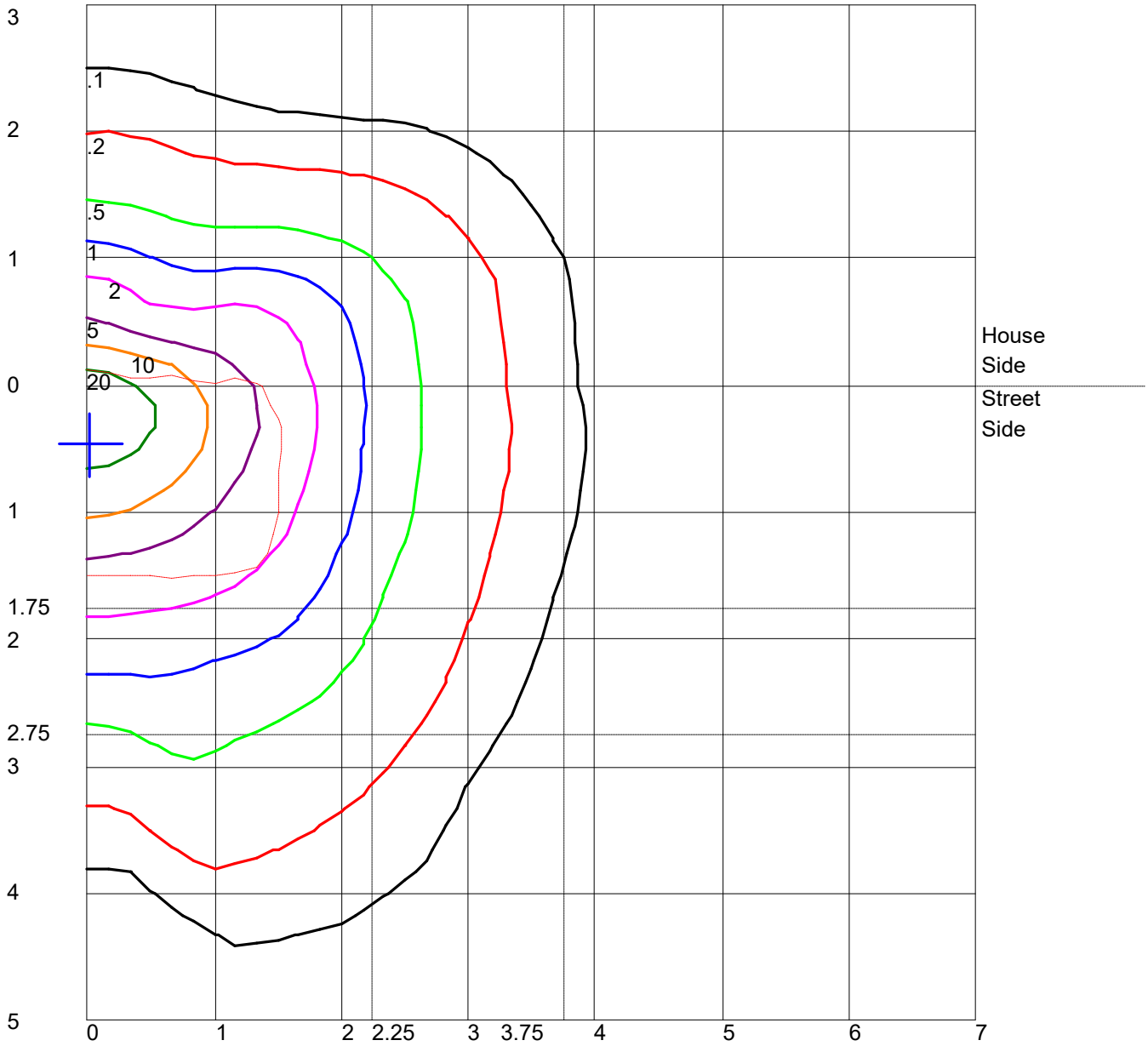
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



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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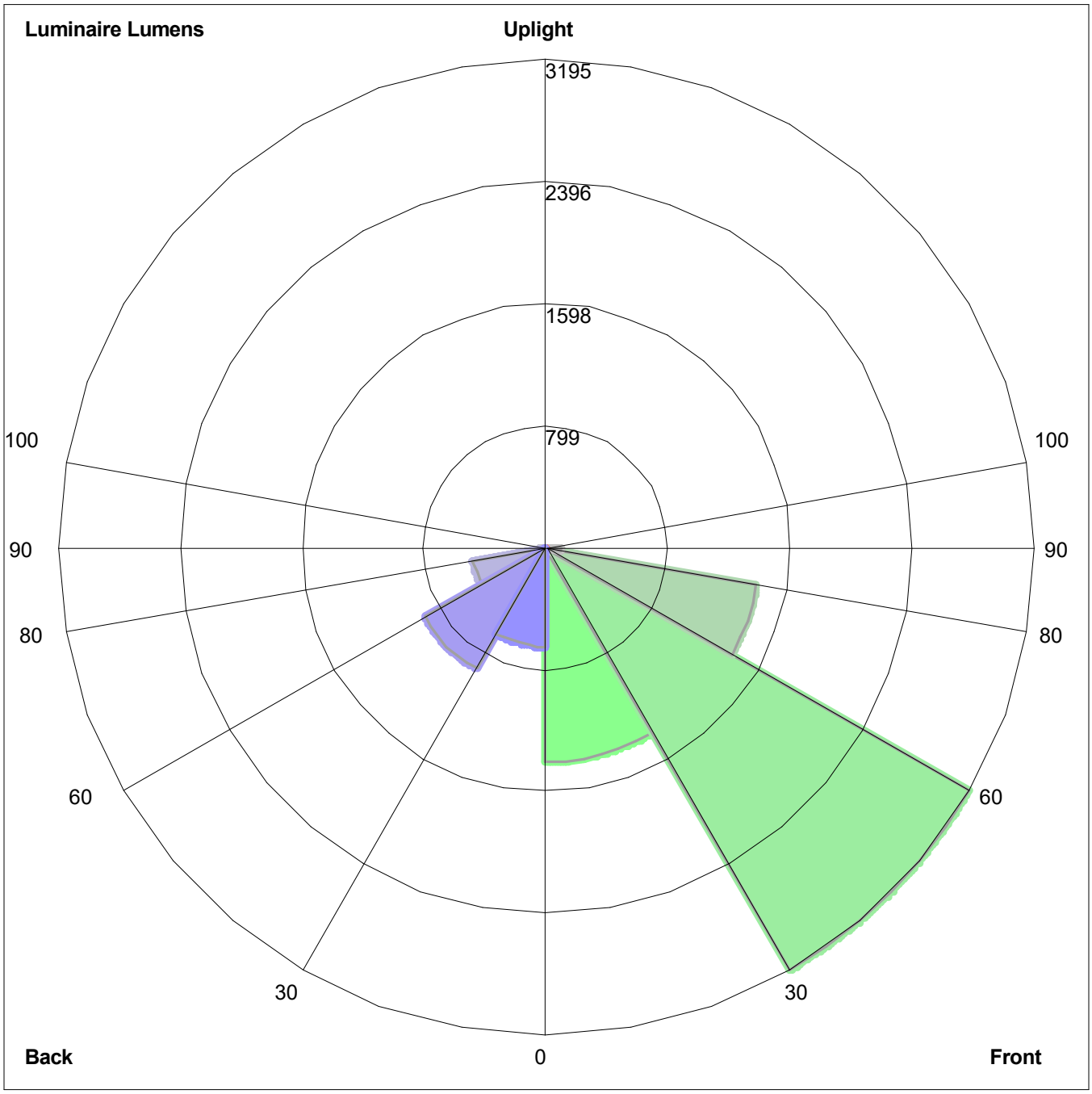
LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1402.3, Medium=3195.2, High=1401.3, Very High=99.5
Back: Low=649.6, Medium=913.8, High=484.8, Very High=42.2
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1

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