IES ROAD REPORT
PHOTOMETRIC FILENAME : CRUS_SM-AC-VLW-40.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-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 II
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7878
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	60
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4176
Maximum Candela Angle	2.5H 25V
Maximum Candela (<90 Degrees Vertical)	4176
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	816 (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)	1349.0	N.A.	17.1
FM - Front-Medium (30-60)	3073.8	N.A.	39.0
FH - Front-High (60-80)	1348.1	N.A.	17.1
FVH - Front-Very High (80-90)	95.8	N.A.	1.2
BL - Back-Low (0-30)	625.0	N.A.	7.9
BM - Back-Medium (30-60)	879.1	N.A.	11.2
BH - Back-High (60-80)	466.4	N.A.	5.9
BVH - Back-Very High (80-90)	40.7	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	7877.9	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	3256	3256	3256	3256	3256	3256	3256	3256	3256	3256
2.5	3277	3260	3265	3275	3274	3267	3279	3279	3279	3282
5.0	3162	3152	3142	3154	3177	3177	3202	3219	3214	3238
7.5	3000	2996	2989	3003	3029	3056	3084	3105	3121	3127
10.0	2942	2954	2947	2949	2930	2933	2953	2992	3024	2979
12.5	3168	3149	3143	3105	3045	2952	2936	2897	2925	2910
15.0	3360	3364	3351	3321	3256	3119	3004	2962	2827	2867
17.5	3598	3590	3597	3560	3440	3270	3114	3078	2866	2867
20.0	3853	3842	3850	3804	3650	3405	3183	3088	3011	2842
22.5	4155	4154	4143	4040	3791	3468	3227	3078	3144	2795
25.0	4154	4176	4166	4134	3838	3419	3209	3069	3235	2755
27.5	3710	3712	3722	3754	3621	3360	3241	3089	3160	2747
30.0	3428	3418	3416	3392	3353	3288	3267	3130	3132	2772
32.5	3323	3327	3306	3281	3249	3217	3193	3138	3302	2786
35.0	3273	3269	3270	3236	3197	3165	3143	3078	3231	2835
37.5	3221	3205	3217	3197	3138	3100	3106	3070	3070	2900
40.0	3154	3138	3142	3107	3065	3026	3035	3073	2950	2868
42.5	3070	3058	3053	3027	2972	2941	2941	3011	2929	2782
45.0	2944	2930	2936	2903	2881	2847	2834	2874	2868	2643
47.5	2797	2804	2794	2776	2774	2753	2730	2724	2752	2596
50.0	2616	2620	2617	2618	2640	2636	2618	2588	2663	2563
52.5	2389	2391	2397	2450	2512	2501	2496	2483	2479	2544
55.0	2177	2188	2181	2251	2353	2368	2395	2386	2322	2418
57.5	1987	1995	1996	2055	2189	2244	2309	2281	2172	2134
60.0	1800	1798	1811	1881	2041	2140	2228	2170	2014	1884
62.5	1642	1642	1651	1705	1870	2045	2133	2013	1863	1684
65.0	1554	1548	1561	1629	1725	1936	2012	1847	1685	1457
67.5	1375	1401	1425	1625	1655	1836	1861	1619	1458	1271
70.0	1049	1066	1094	1626	1611	1745	1652	1381	1252	1101
72.5	865	872	899	1576	1537	1563	1430	1153	1024	929
75.0	623	635	652	1432	1380	1283	1121	921	784	746
77.5	281	280	308	1004	1108	1042	741	673	571	528
80.0	209	214	227	667	816	772	509	423	367	332
82.5	178	180	194	457	475	385	302	185	212	179
85.0	116	122	132	233	189	138	136	73	97	87
87.5	37	40	42	64	60	53	44	34	36	36
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	3256	3256	3256	3256	3256	3256	3256	3256	3256	3256
2.5	3266	3279	3267	3266	3258	3256	3223	3212	3217	3190
5.0	3230	3236	3229	3196	3153	3069	2973	2882	2755	2718
7.5	3120	3128	3114	3051	2936	2729	2477	2225	2068	2000
10.0	2957	2961	2927	2839	2622	2280	1964	1726	1627	1583
12.5	2770	2755	2722	2558	2268	1870	1587	1480	1424	1384
15.0	2613	2544	2507	2300	1942	1580	1391	1308	1263	1228
17.5	2549	2392	2339	2111	1684	1412	1245	1164	1119	1081
20.0	2599	2360	2214	1975	1552	1309	1121	1033	986	961
22.5	2683	2354	2142	1955	1464	1183	1001	903	869	857
25.0	2707	2340	2117	1861	1325	1068	882	786	775	784
27.5	2724	2388	2111	1722	1234	973	771	686	697	707

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CANDELA TABULATION - (Cont.)

30.0	2802	2451	2059	1625	1227	861	668	595	605	597
32.5	2857	2422	1999	1659	1188	771	581	511	513	513
35.0	2804	2367	1959	1673	1071	700	515	445	450	482
37.5	2657	2278	1934	1538	958	653	468	405	417	468
40.0	2563	2215	1947	1396	889	607	441	385	396	441
42.5	2482	2172	1925	1325	857	567	422	370	374	399
45.0	2418	2159	1885	1303	849	544	409	356	352	360
47.5	2392	2215	1881	1328	905	543	400	342	330	331
50.0	2331	2244	1886	1394	979	567	394	325	308	311
52.5	2240	2174	1842	1475	1021	594	391	311	291	291
55.0	2073	2035	1775	1514	1045	610	388	297	272	272
57.5	1916	1844	1665	1509	1052	624	386	284	255	250
60.0	1785	1684	1549	1480	1029	632	385	269	234	227
62.5	1600	1522	1428	1384	992	625	378	254	216	215
65.0	1385	1338	1291	1233	943	605	357	241	201	202
67.5	1197	1161	1145	1096	876	561	328	222	188	189
70.0	1043	1006	994	993	791	512	301	206	173	174
72.5	879	827	831	845	685	466	274	184	155	160
75.0	713	658	649	656	549	403	242	165	135	137
77.5	499	436	449	477	378	345	205	138	119	121
80.0	315	232	244	302	261	244	156	112	95	101
82.5	196	146	109	177	166	134	73	81	75	80
85.0	93	78	57	83	86	68	48	57	54	58
87.5	38	37	35	38	37	39	36	38	38	38
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	**Horizontal Angles**	
	175.0	**180.0**
0.0	3256	3256
2.5	3202	3185
5.0	2683	2671
7.5	1948	1932
10.0	1561	1549
12.5	1375	1368
15.0	1204	1207
17.5	1061	1052
20.0	937	934
22.5	843	842
25.0	778	777
27.5	685	680
30.0	571	568
32.5	513	514
35.0	500	504
37.5	486	488
40.0	451	449
42.5	400	396
45.0	358	355
47.5	333	330
50.0	312	312
52.5	291	288
55.0	270	268
57.5	242	239
60.0	219	217
62.5	216	214
65.0	213	210

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CANDELA TABULATION - (Cont.)

67.5	194	191
70.0	175	167
72.5	155	146
75.0	129	119
77.5	103	92
80.0	88	78
82.5	78	70
85.0	59	53
87.5	39	38
90.0	0	0

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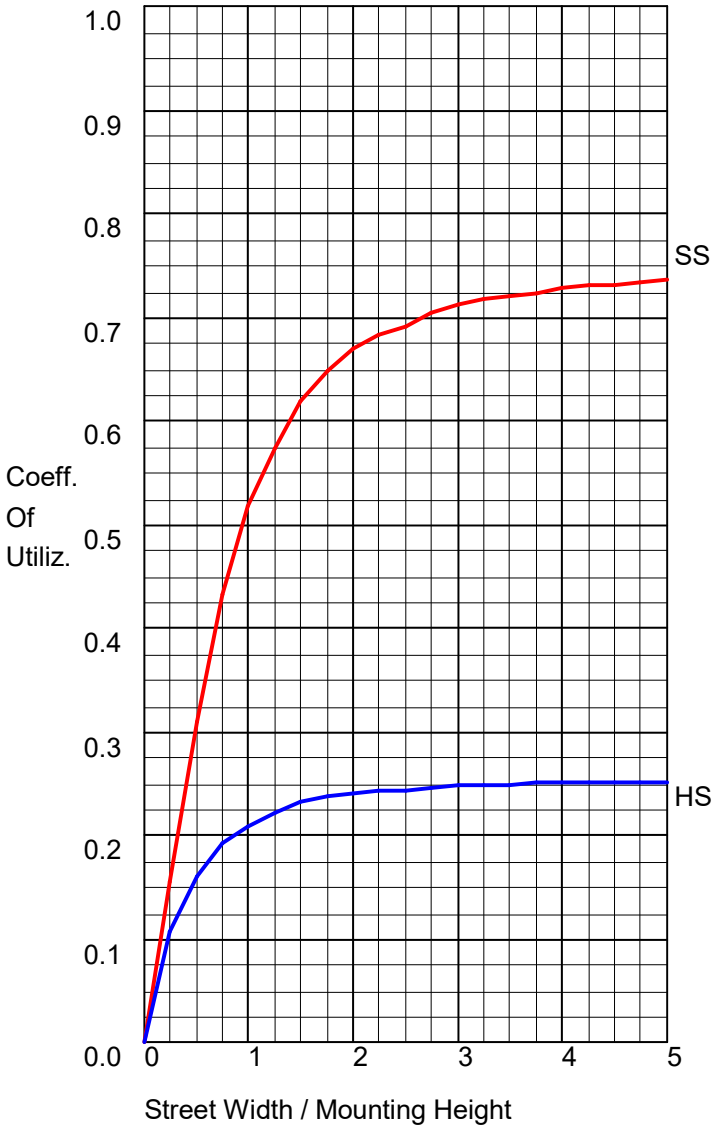
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	5866.6	74.5
Downward House Side	2011.2	25.5
Downward Total	7877.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	7877.8	100.0

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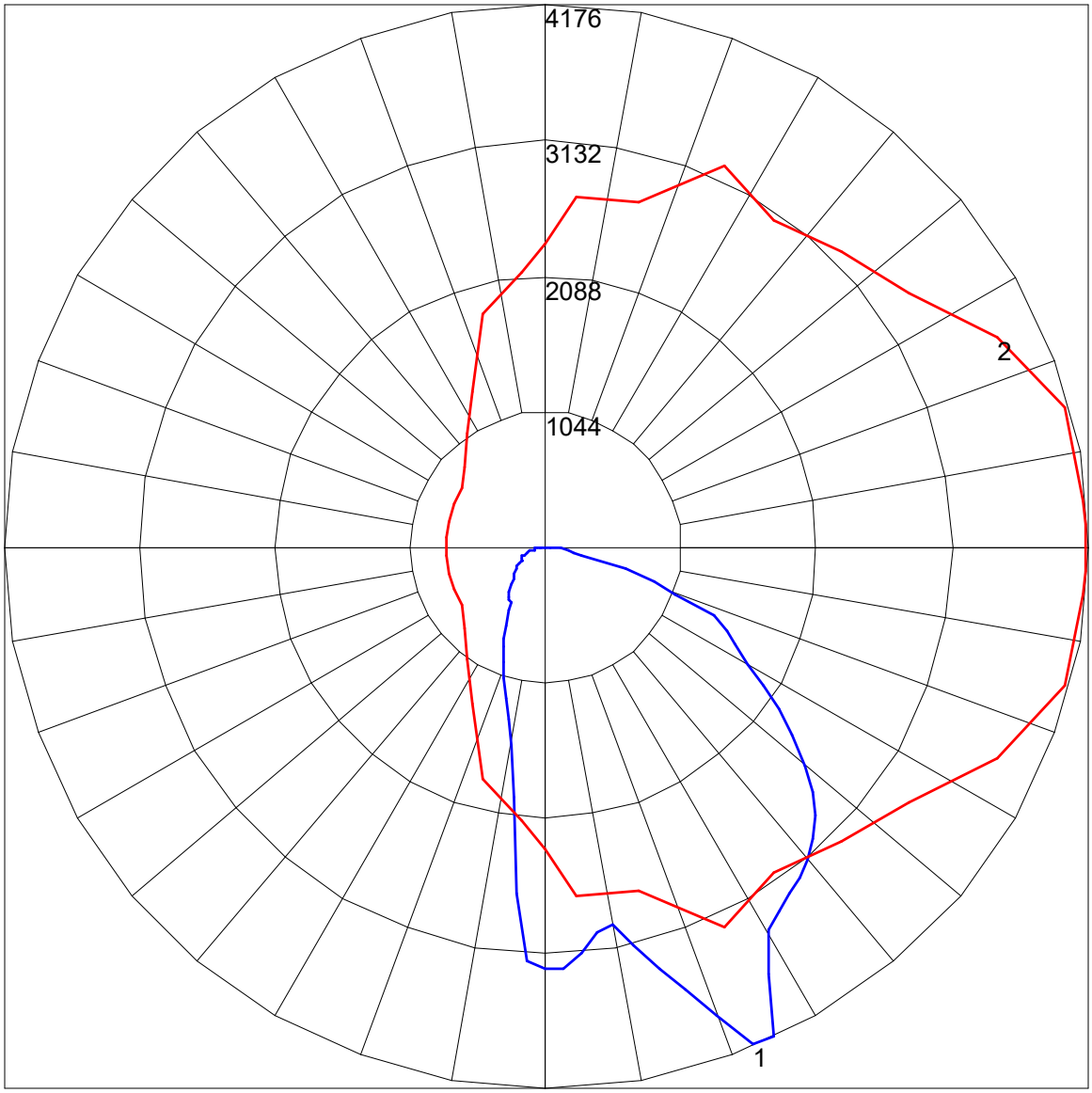
POLAR GRAPH



Maximum Candela = 4176 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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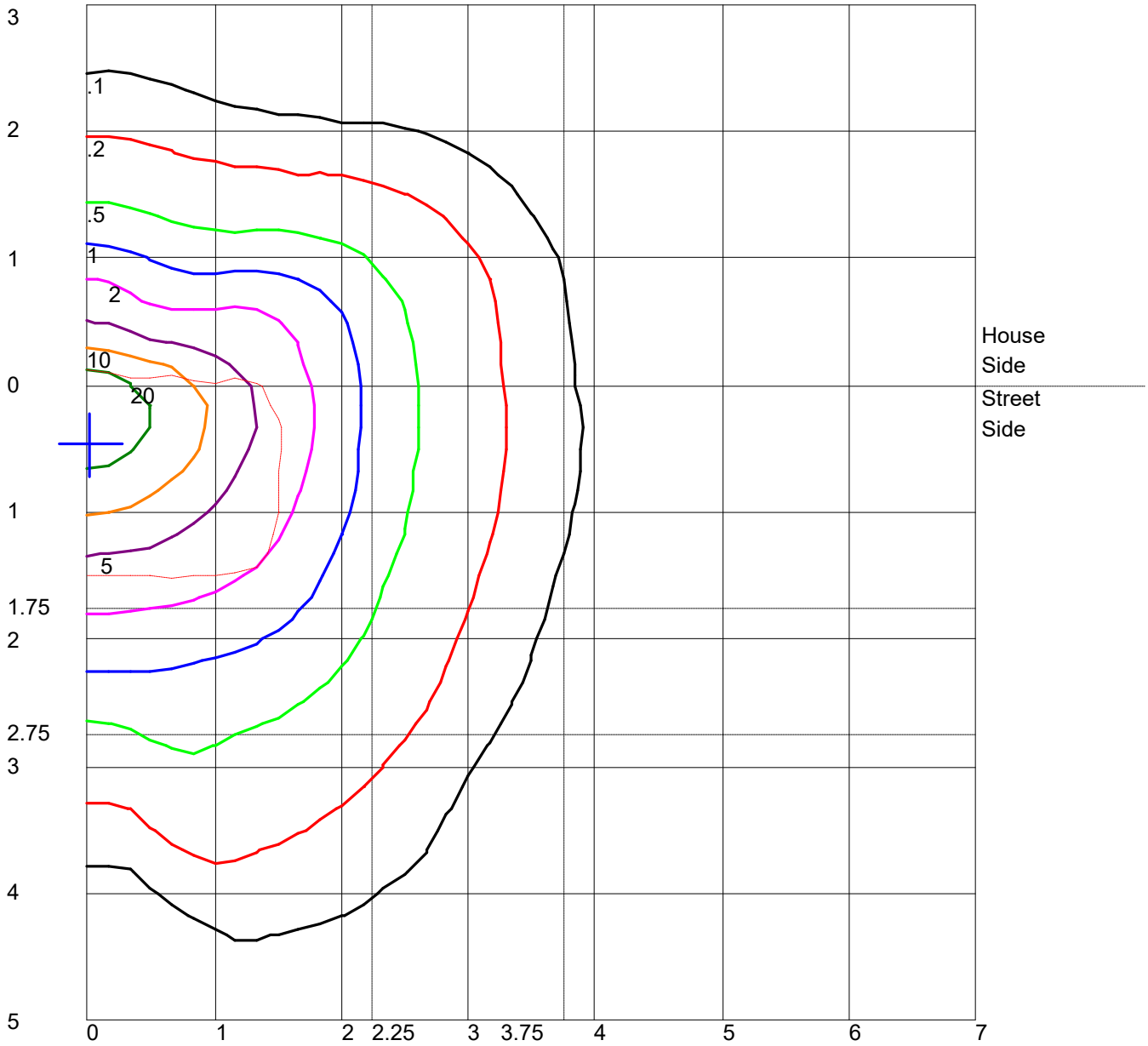
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



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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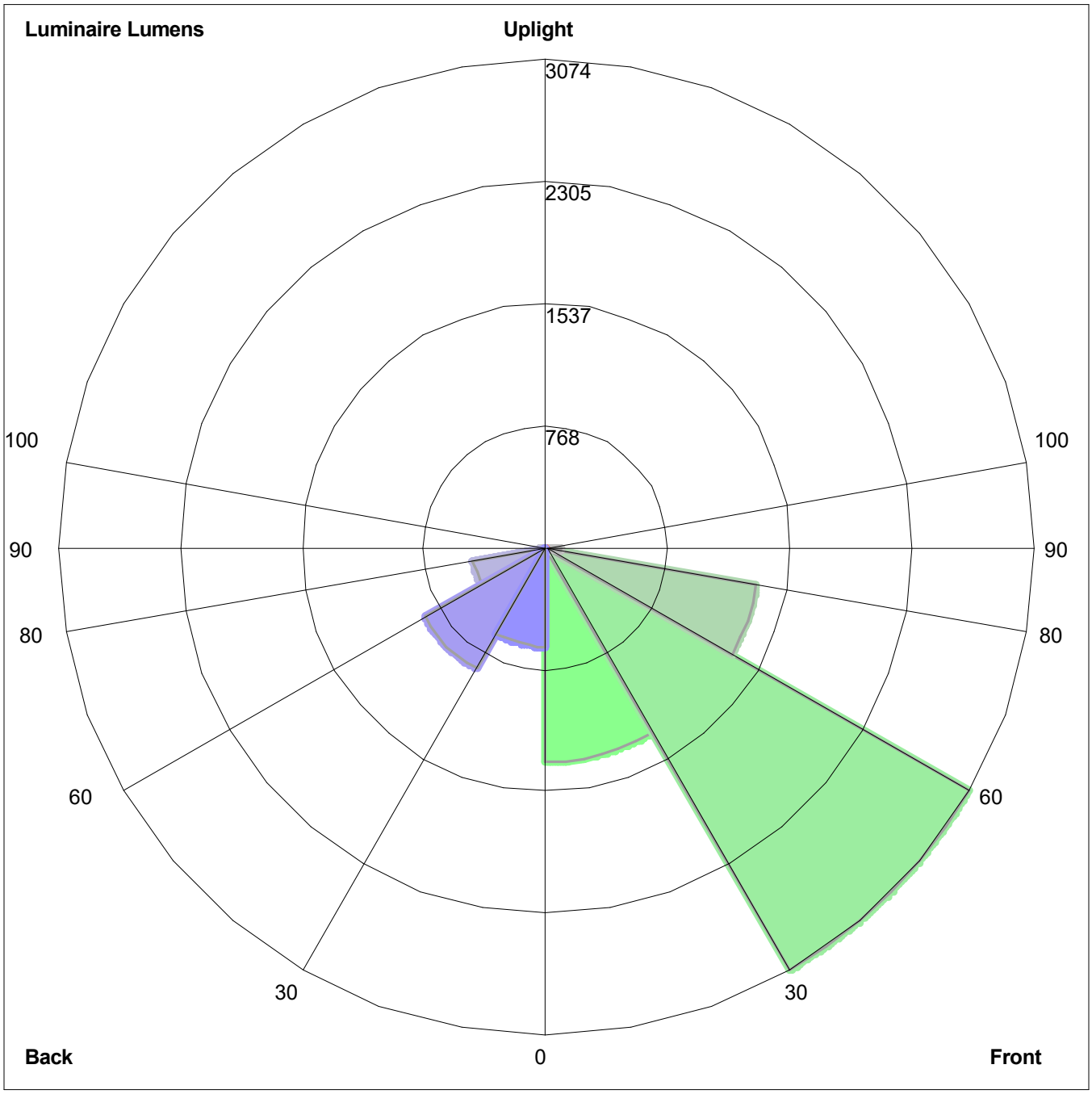
LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low= 1349.0, Medium=3073.8, High=1348.1, Very High=95.8
Back: Low=625.0, Medium=879.1, High=466.4, Very High=40.7
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1

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