IES ROAD REPORT
PHOTOMETRIC FILENAME : CRUS-AC-HO-30.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-AC-HO-30
[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	14582
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	125
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	7731
Maximum Candela Angle	2.5H 25V
Maximum Candela (<90 Degrees Vertical)	7731
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	1511 (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)	2497.0	N.A.	17.1
FM - Front-Medium (30-60)	5689.7	N.A.	39.0
FH - Front-High (60-80)	2495.4	N.A.	17.1
FVH - Front-Very High (80-90)	177.4	N.A.	1.2
BL - Back-Low (0-30)	1156.9	N.A.	7.9
BM - Back-Medium (30-60)	1627.3	N.A.	11.2
BH - Back-High (60-80)	863.4	N.A.	5.9
BVH - Back-Very High (80-90)	75.3	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	14582.4	N.A.	100.0
BUG Rating	B3-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	6027	6027	6027	6027	6027	6027	6027	6027	6027	6027
2.5	6065	6035	6044	6062	6060	6046	6071	6070	6071	6075
5.0	5853	5834	5816	5839	5880	5880	5928	5957	5950	5994
7.5	5552	5545	5532	5560	5606	5658	5710	5749	5776	5789
10.0	5445	5469	5454	5460	5424	5429	5467	5537	5597	5515
12.5	5864	5829	5817	5748	5636	5464	5434	5361	5415	5387
15.0	6220	6227	6203	6148	6027	5774	5561	5483	5233	5307
17.5	6660	6646	6657	6589	6368	6052	5764	5697	5304	5306
20.0	7132	7112	7126	7041	6755	6302	5893	5715	5573	5260
22.5	7691	7688	7668	7479	7017	6419	5973	5698	5819	5172
25.0	7688	7731	7713	7652	7106	6329	5941	5681	5988	5100
27.5	6869	6872	6889	6948	6702	6221	5999	5717	5849	5086
30.0	6345	6327	6323	6279	6207	6087	6047	5794	5798	5133
32.5	6150	6159	6120	6074	6013	5954	5909	5808	6111	5157
35.0	6059	6051	6053	5990	5918	5859	5817	5698	5982	5248
37.5	5962	5933	5954	5917	5809	5738	5750	5681	5681	5370
40.0	5838	5809	5815	5751	5673	5603	5618	5687	5461	5308
42.5	5681	5661	5651	5604	5500	5444	5443	5573	5423	5149
45.0	5449	5424	5434	5375	5333	5269	5245	5321	5308	4891
47.5	5177	5190	5171	5138	5135	5096	5054	5044	5093	4807
50.0	4842	4850	4844	4845	4886	4879	4845	4789	4929	4743
52.5	4423	4425	4438	4536	4650	4630	4622	4595	4589	4710
55.0	4030	4049	4037	4168	4356	4383	4434	4417	4299	4475
57.5	3679	3694	3696	3805	4050	4155	4274	4223	4021	3949
60.0	3333	3327	3353	3481	3778	3963	4123	4018	3729	3487
62.5	3039	3039	3055	3154	3461	3786	3949	3727	3450	3116
65.0	2876	2866	2889	3016	3194	3583	3723	3418	3120	2697
67.5	2544	2593	2638	3007	3062	3399	3444	2997	2701	2353
70.0	1941	1974	2025	3009	2983	3230	3058	2557	2317	2039
72.5	1601	1614	1664	2917	2846	2894	2646	2136	1894	1720
75.0	1153	1175	1207	2652	2553	2375	2075	1704	1452	1380
77.5	521	519	569	1859	2051	1928	1371	1246	1057	978
80.0	387	395	421	1233	1511	1429	942	784	681	614
82.5	330	333	360	846	880	713	559	342	392	332
85.0	216	227	244	431	349	255	250	135	180	160
87.5	67	76	79	120	110	98	83	63	66	67
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	6027	6027	6027	6027	6027	6027	6027	6027	6027	6027
2.5	6045	6071	6047	6045	6031	6029	5967	5947	5955	5905
5.0	5981	5991	5978	5916	5837	5681	5502	5335	5099	5030
7.5	5775	5791	5764	5648	5435	5052	4585	4120	3828	3702
10.0	5474	5481	5419	5256	4855	4220	3637	3194	3012	2932
12.5	5127	5100	5039	4734	4199	3461	2938	2739	2636	2563
15.0	4837	4709	4639	4259	3595	2925	2575	2421	2338	2273
17.5	4718	4429	4329	3908	3117	2614	2304	2154	2071	2002
20.0	4812	4368	4097	3656	2873	2424	2075	1912	1825	1779
22.5	4966	4358	3966	3618	2711	2189	1854	1672	1608	1586
25.0	5012	4331	3920	3444	2452	1976	1633	1455	1435	1451
27.5	5044	4420	3906	3188	2285	1800	1426	1270	1292	1309

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CANDELA TABULATION - (Cont.)

30.0	5187	4536	3811	3008	2271	1595	1235	1102	1121	1107
32.5	5289	4483	3701	3072	2200	1427	1075	946	949	949
35.0	5192	4380	3626	3095	1981	1296	953	825	833	893
37.5	4919	4216	3579	2847	1774	1210	865	750	771	866
40.0	4743	4101	3604	2584	1645	1123	816	712	734	816
42.5	4594	4020	3563	2452	1586	1049	782	685	693	739
45.0	4477	3995	3488	2412	1571	1006	757	659	651	666
47.5	4426	4102	3481	2458	1675	1005	740	632	610	613
50.0	4315	4155	3491	2580	1813	1049	730	602	569	575
52.5	4145	4024	3411	2731	1890	1099	723	575	537	538
55.0	3837	3766	3285	2804	1934	1129	718	551	505	504
57.5	3547	3414	3082	2794	1947	1157	714	525	471	462
60.0	3303	3117	2867	2738	1905	1170	712	499	431	420
62.5	2962	2817	2642	2563	1837	1157	699	471	401	399
65.0	2564	2477	2390	2282	1746	1120	661	445	372	374
67.5	2216	2150	2119	2029	1623	1038	607	412	348	349
70.0	1931	1863	1840	1838	1464	946	558	381	320	323
72.5	1627	1531	1539	1563	1267	861	508	340	286	296
75.0	1320	1218	1203	1216	1018	747	449	305	250	253
77.5	924	807	832	884	700	639	379	254	220	224
80.0	582	430	451	559	482	451	289	207	176	187
82.5	363	270	202	328	309	247	136	150	139	148
85.0	174	145	106	153	159	127	89	105	100	107
87.5	71	68	65	71	68	72	67	70	70	71
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	**Horizontal Angles**	
	175.0	**180.0**
0.0	6027	6027
2.5	5926	5895
5.0	4967	4942
7.5	3606	3576
10.0	2889	2867
12.5	2545	2533
15.0	2230	2235
17.5	1963	1947
20.0	1734	1729
22.5	1561	1557
25.0	1441	1438
27.5	1267	1259
30.0	1058	1051
32.5	949	950
35.0	927	934
37.5	900	903
40.0	836	832
42.5	741	734
45.0	662	658
47.5	615	610
50.0	578	576
52.5	540	533
55.0	501	497
57.5	448	442
60.0	406	402
62.5	401	396
65.0	394	387

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CANDELA TABULATION - (Cont.)

67.5	360	355
70.0	324	310
72.5	286	270
75.0	238	221
77.5	190	172
80.0	161	144
82.5	145	130
85.0	109	98
87.5	73	69
90.0	0	0

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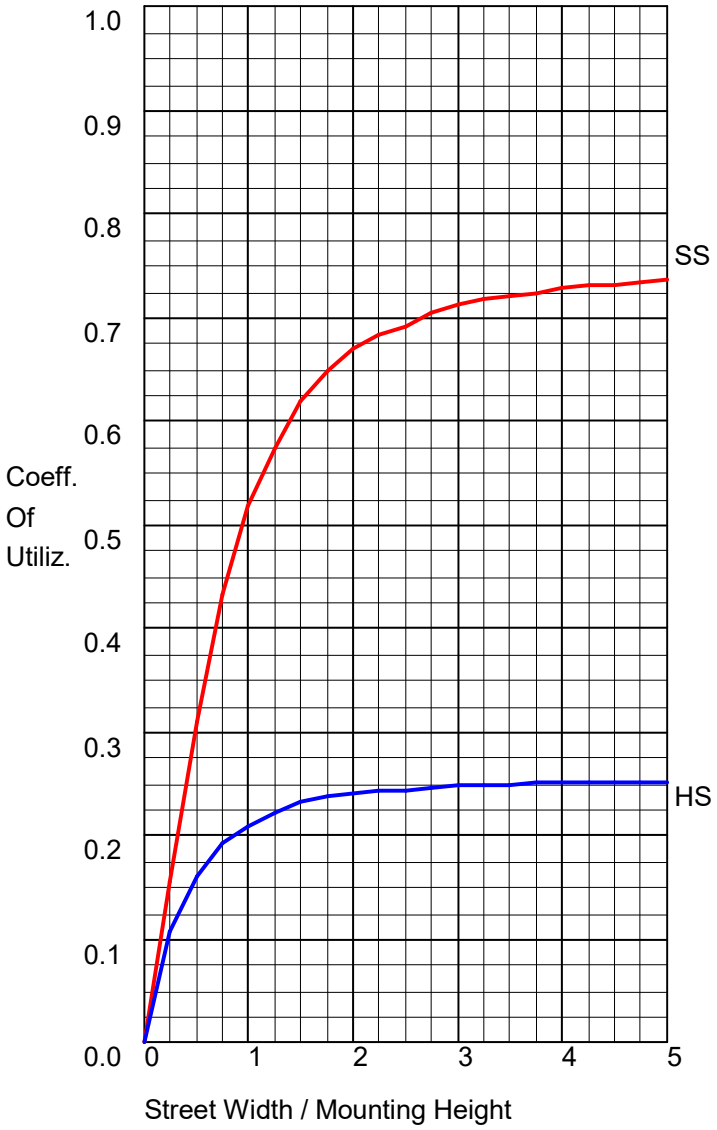
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	10859.4	74.5
Downward House Side	3722.8	25.5
Downward Total	14582.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	14582.2	100.0

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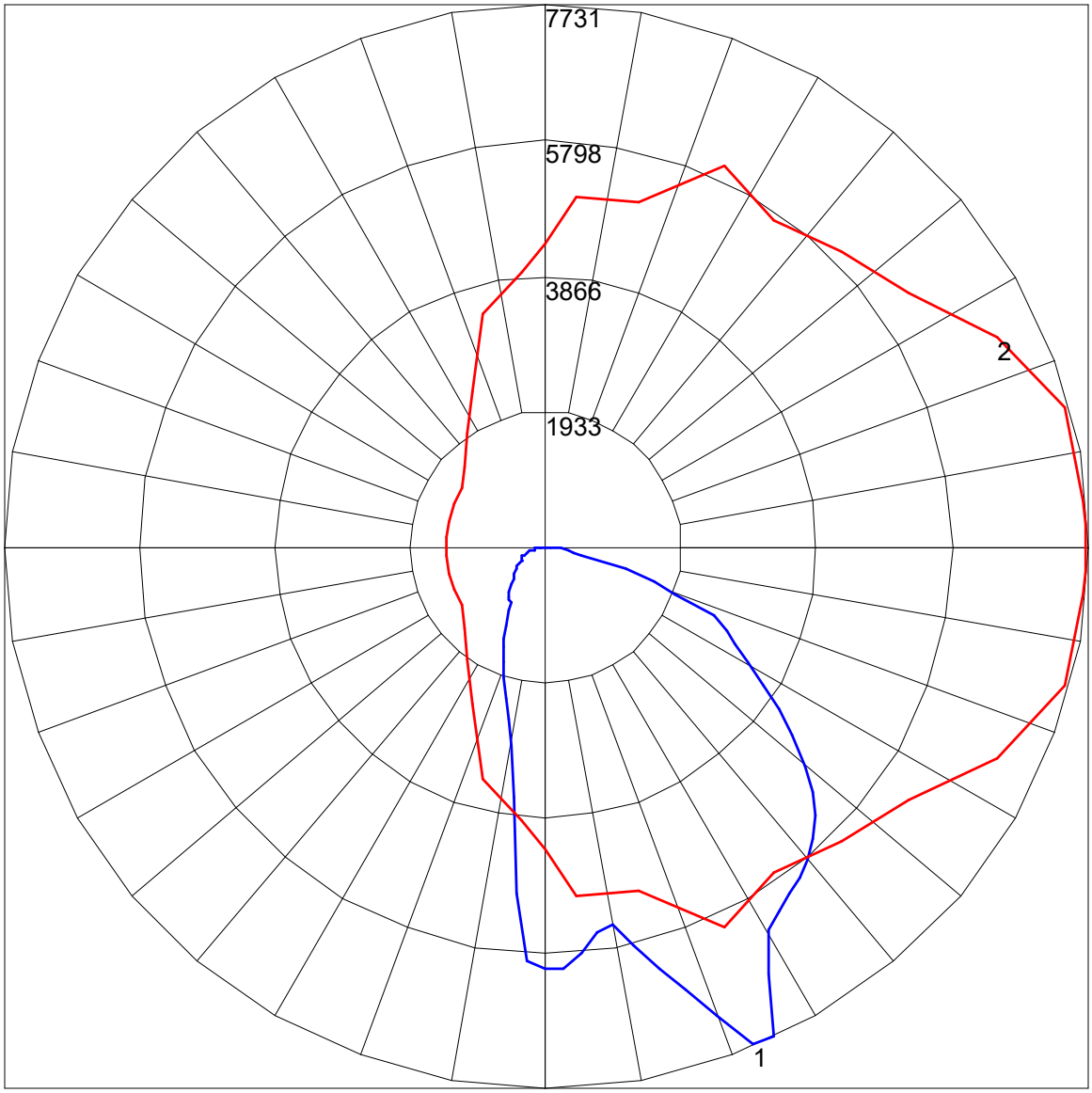
POLAR GRAPH



Maximum Candela = 7731 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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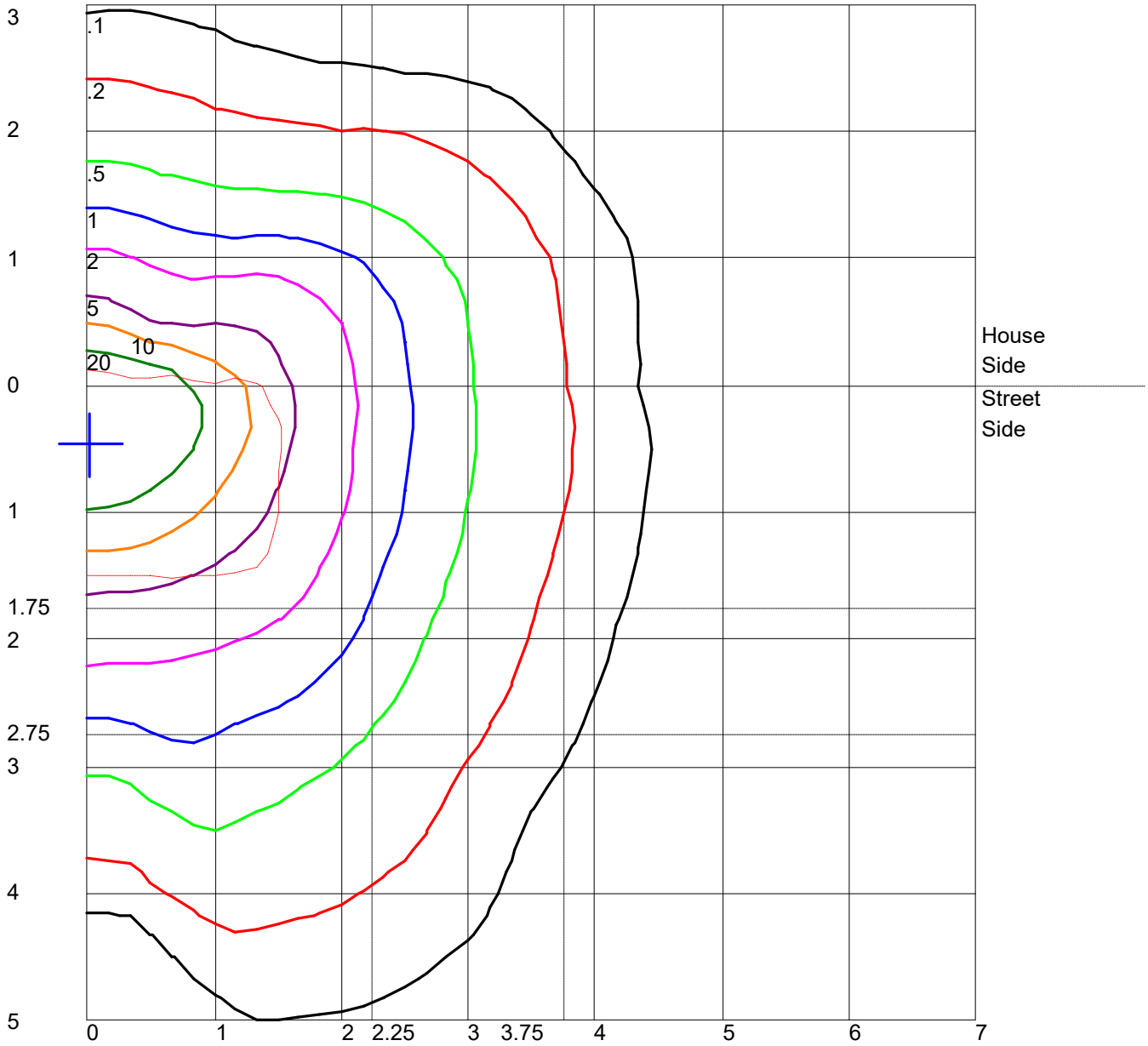
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



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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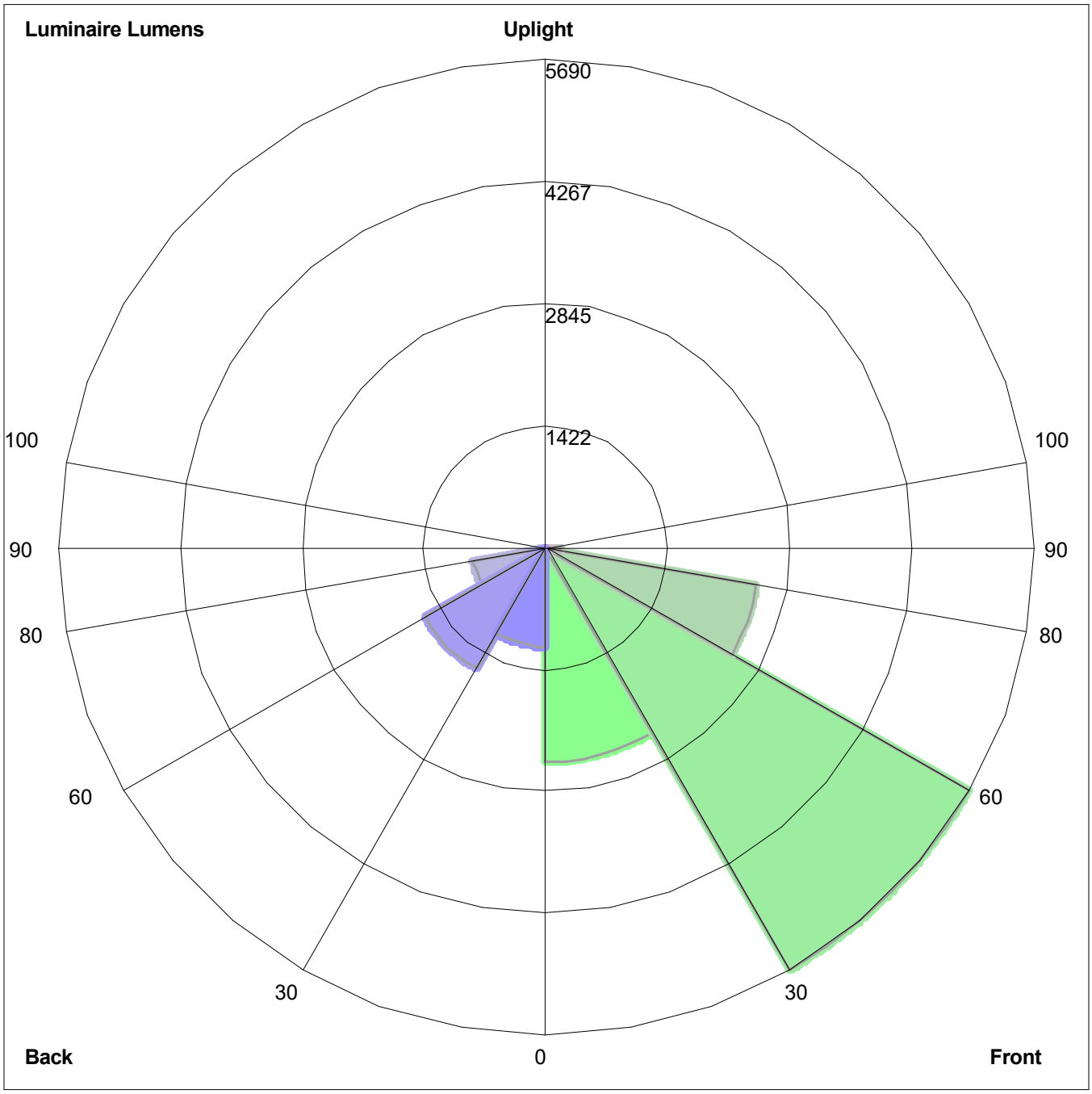
LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low= 2497.0, Medium=5689.7, High=2495.4, Very High=177.4
Back: Low=1156.9, Medium=1627.3, High=863.4, Very High=75.3
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G2

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