IES ROAD REPORT
PHOTOMETRIC FILENAME : CRUS_SM-AC-HO-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-HO-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	15546
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	125
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	8242
Maximum Candela Angle	2.5H 25V
Maximum Candela (<90 Degrees Vertical)	8242
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	1611 (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)	2662.1	N.A.	17.1
FM - Front-Medium (30-60)	6065.7	N.A.	39.0
FH - Front-High (60-80)	2660.3	N.A.	17.1
FVH - Front-Very High (80-90)	189.1	N.A.	1.2
BL - Back-Low (0-30)	1233.3	N.A.	7.9
BM - Back-Medium (30-60)	1734.9	N.A.	11.2
BH - Back-High (60-80)	920.4	N.A.	5.9
BVH - Back-Very High (80-90)	80.3	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	15546.1	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	6425	6425	6425	6425	6425	6425	6425	6425	6425	6425
2.5	6466	6434	6444	6463	6461	6446	6472	6471	6472	6477
5.0	6240	6220	6200	6225	6269	6269	6320	6351	6343	6390
7.5	5919	5912	5898	5927	5977	6032	6087	6129	6158	6172
10.0	5805	5830	5814	5821	5783	5788	5828	5903	5967	5880
12.5	6252	6214	6202	6128	6008	5825	5793	5715	5773	5743
15.0	6631	6639	6613	6554	6425	6156	5929	5845	5579	5658
17.5	7100	7085	7097	7025	6789	6452	6145	6074	5655	5657
20.0	7603	7582	7597	7506	7202	6719	6282	6093	5941	5608
22.5	8199	8196	8175	7973	7481	6843	6368	6075	6204	5514
25.0	8196	8242	8223	8158	7576	6747	6334	6056	6384	5437
27.5	7323	7326	7344	7407	7145	6632	6396	6095	6236	5422
30.0	6764	6745	6741	6694	6617	6489	6447	6177	6181	5472
32.5	6557	6566	6524	6475	6410	6348	6300	6192	6515	5498
35.0	6459	6451	6453	6386	6309	6246	6202	6075	6377	5595
37.5	6356	6325	6348	6308	6193	6117	6130	6057	6057	5725
40.0	6224	6193	6199	6131	6048	5973	5989	6063	5822	5659
42.5	6057	6035	6025	5974	5864	5804	5803	5941	5781	5489
45.0	5809	5783	5793	5730	5686	5617	5592	5673	5659	5214
47.5	5519	5533	5513	5478	5474	5433	5388	5377	5430	5125
50.0	5162	5171	5164	5165	5209	5201	5165	5106	5255	5057
52.5	4715	4717	4731	4836	4957	4936	4927	4899	4892	5021
55.0	4296	4317	4304	4443	4644	4673	4727	4709	4583	4771
57.5	3922	3938	3940	4056	4318	4430	4556	4502	4287	4210
60.0	3553	3547	3575	3711	4028	4225	4396	4284	3975	3717
62.5	3240	3240	3257	3363	3690	4036	4210	3973	3678	3322
65.0	3066	3055	3080	3215	3405	3820	3969	3644	3326	2875
67.5	2712	2764	2812	3206	3264	3624	3672	3195	2879	2508
70.0	2069	2104	2159	3208	3180	3444	3260	2726	2470	2174
72.5	1707	1721	1774	3110	3034	3085	2821	2277	2019	1834
75.0	1229	1253	1287	2827	2722	2532	2212	1817	1548	1471
77.5	555	553	607	1982	2187	2055	1462	1328	1127	1043
80.0	413	421	449	1315	1611	1523	1004	836	726	655
82.5	352	355	384	902	938	760	596	365	418	354
85.0	230	242	260	460	372	272	267	144	192	171
87.5	71	81	84	128	117	104	88	67	70	71
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	6425	6425	6425	6425	6425	6425	6425	6425	6425	6425
2.5	6445	6472	6447	6445	6430	6427	6361	6340	6349	6295
5.0	6376	6387	6373	6307	6223	6056	5866	5688	5436	5362
7.5	6157	6174	6145	6021	5794	5386	4888	4392	4081	3947
10.0	5836	5843	5777	5603	5176	4499	3877	3405	3211	3126
12.5	5466	5437	5372	5047	4477	3690	3132	2920	2810	2732
15.0	5157	5020	4946	4540	3833	3118	2745	2581	2493	2423
17.5	5030	4722	4615	4166	3323	2787	2456	2296	2208	2134
20.0	5130	4657	4368	3898	3063	2584	2212	2038	1946	1897
22.5	5294	4646	4228	3857	2890	2334	1977	1783	1714	1691
25.0	5343	4617	4179	3672	2614	2107	1741	1551	1530	1547
27.5	5377	4712	4164	3399	2436	1919	1520	1354	1377	1396

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CANDELA TABULATION - (Cont.)

30.0	5530	4836	4063	3207	2421	1700	1317	1175	1195	1180
32.5	5639	4779	3946	3275	2345	1521	1146	1008	1012	1012
35.0	5535	4669	3866	3300	2112	1382	1016	880	888	952
37.5	5244	4495	3816	3035	1891	1290	922	800	822	923
40.0	5057	4372	3842	2755	1754	1197	870	759	782	870
42.5	4898	4286	3798	2614	1691	1118	834	730	739	788
45.0	4773	4259	3719	2571	1675	1072	807	703	694	710
47.5	4719	4373	3711	2621	1786	1071	789	674	650	653
50.0	4600	4430	3722	2751	1933	1118	778	642	607	613
52.5	4419	4290	3636	2911	2015	1172	771	613	573	574
55.0	4091	4015	3502	2989	2062	1204	765	587	538	537
57.5	3781	3640	3286	2979	2076	1233	761	560	502	493
60.0	3521	3323	3057	2919	2031	1247	759	532	460	448
62.5	3158	3003	2817	2732	1958	1234	745	502	427	425
65.0	2734	2641	2548	2433	1861	1194	705	474	397	399
67.5	2362	2292	2259	2163	1730	1107	647	439	371	372
70.0	2059	1986	1962	1959	1561	1009	595	406	341	344
72.5	1735	1632	1641	1666	1351	918	542	362	305	316
75.0	1407	1298	1282	1296	1085	796	479	325	266	270
77.5	985	860	887	942	746	681	404	271	235	239
80.0	620	458	481	596	514	481	308	221	188	199
82.5	387	288	215	350	329	263	145	160	148	158
85.0	185	155	113	163	169	135	95	112	107	114
87.5	76	72	69	76	72	77	71	75	75	76
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	**Horizontal Angles**	
	175.0	**180.0**
0.0	6425	6425
2.5	6318	6285
5.0	5295	5269
7.5	3844	3812
10.0	3080	3057
12.5	2713	2700
15.0	2377	2383
17.5	2093	2076
20.0	1849	1843
22.5	1664	1660
25.0	1536	1533
27.5	1351	1342
30.0	1128	1120
32.5	1012	1013
35.0	988	996
37.5	959	963
40.0	891	887
42.5	790	782
45.0	706	701
47.5	656	650
50.0	616	614
52.5	576	568
55.0	534	530
57.5	478	471
60.0	433	429
62.5	427	422
65.0	420	413

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CANDELA TABULATION - (Cont.)

67.5	384	378
70.0	345	331
72.5	305	288
75.0	254	236
77.5	203	183
80.0	172	154
82.5	155	139
85.0	116	105
87.5	78	74
90.0	0	0

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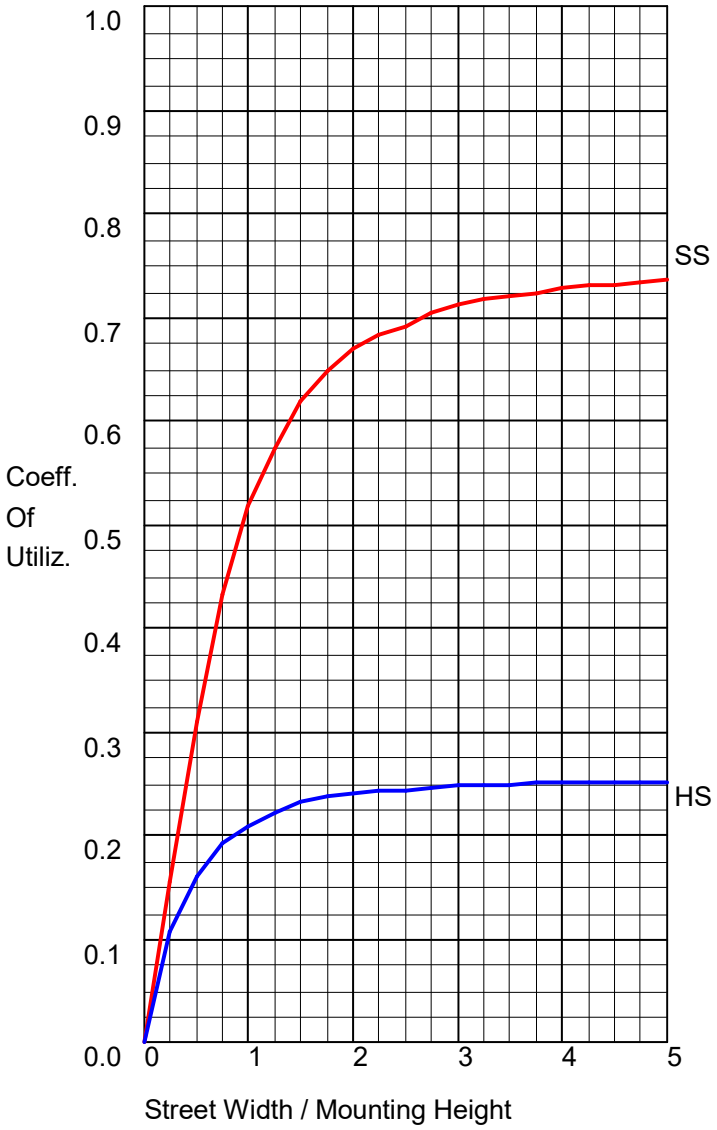
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	11577.2	74.5
Downward House Side	3968.9	25.5
Downward Total	15546.1	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	15546.1	100.0

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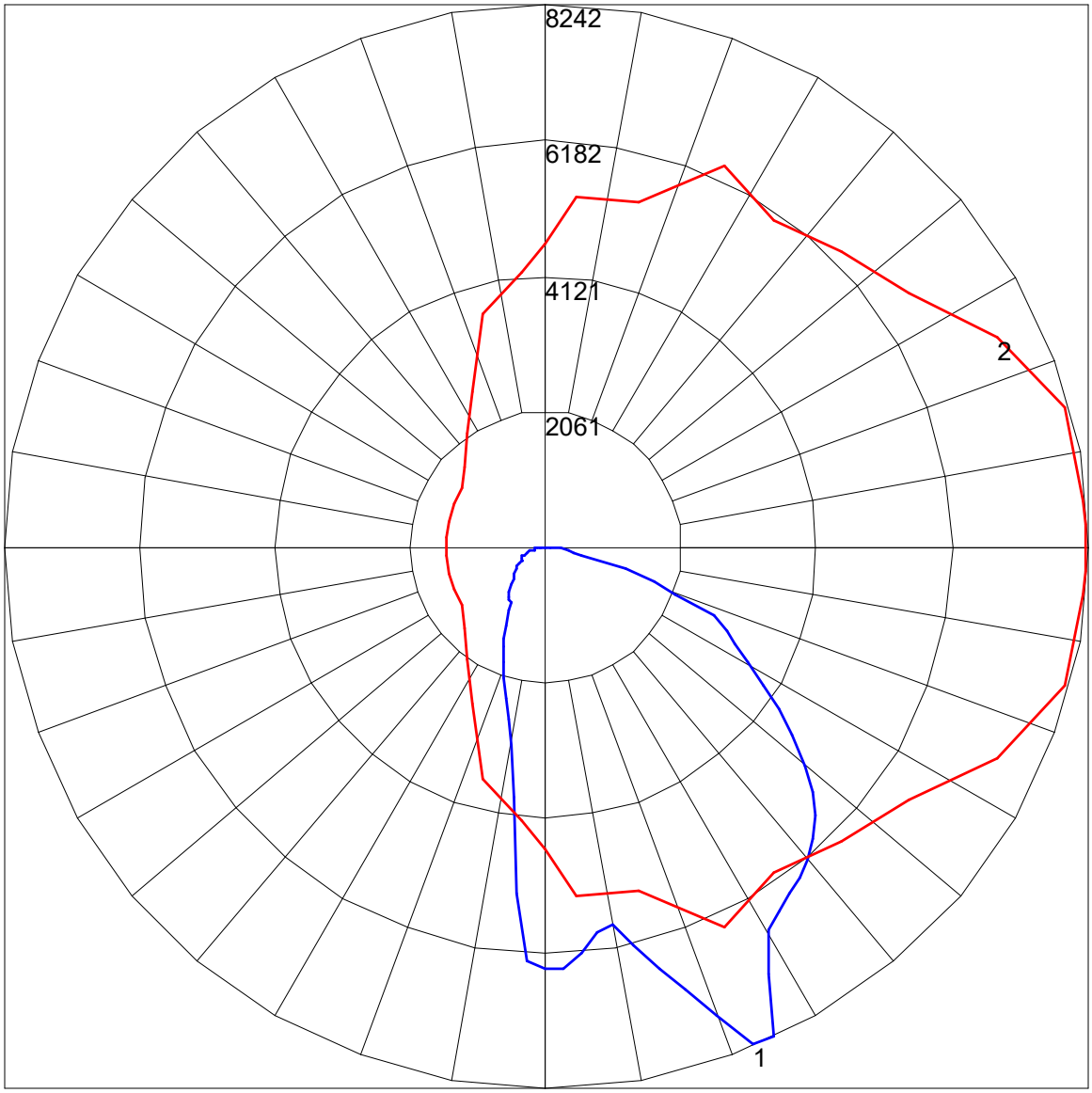
POLAR GRAPH



Maximum Candela = 8242 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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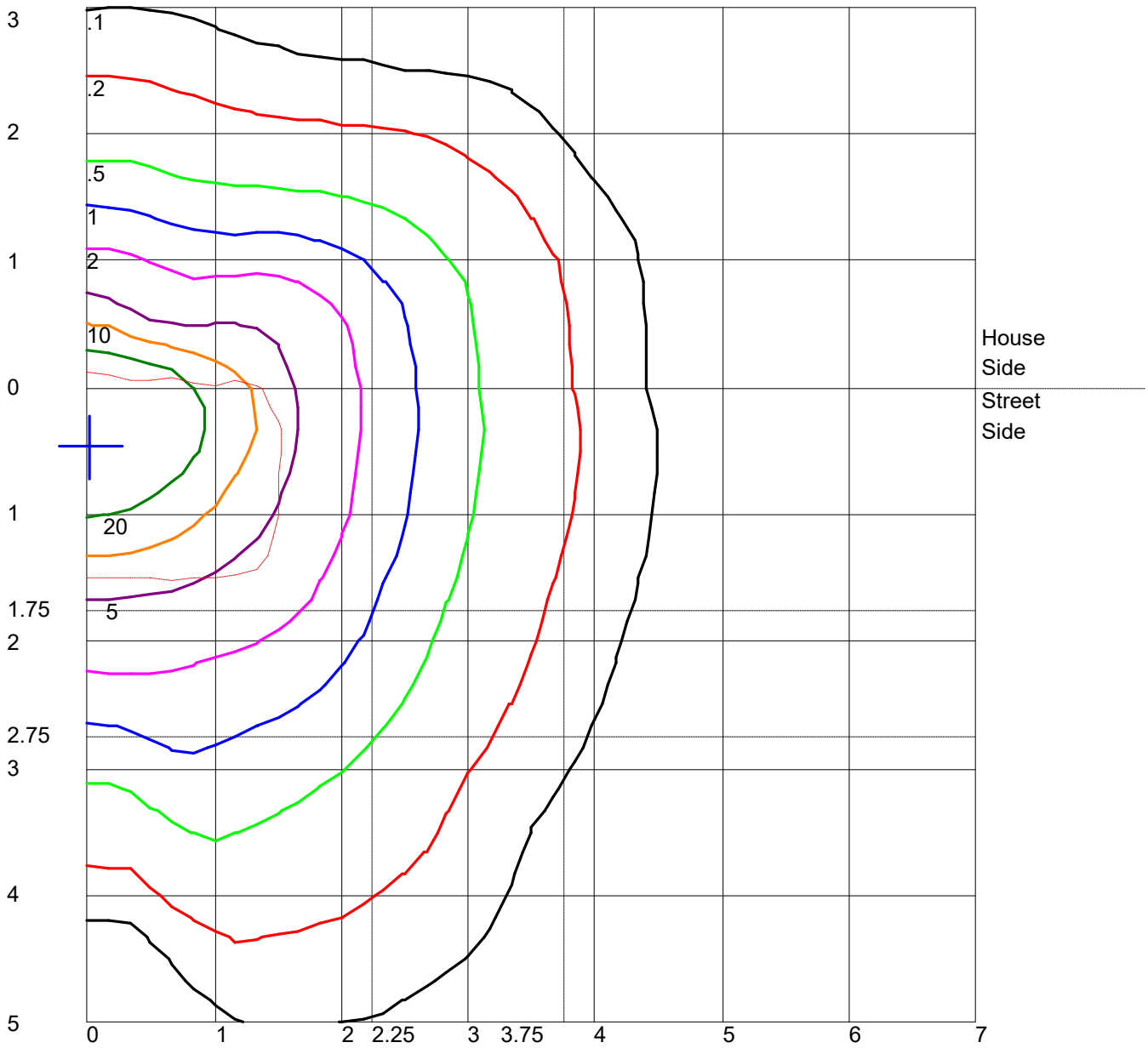
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



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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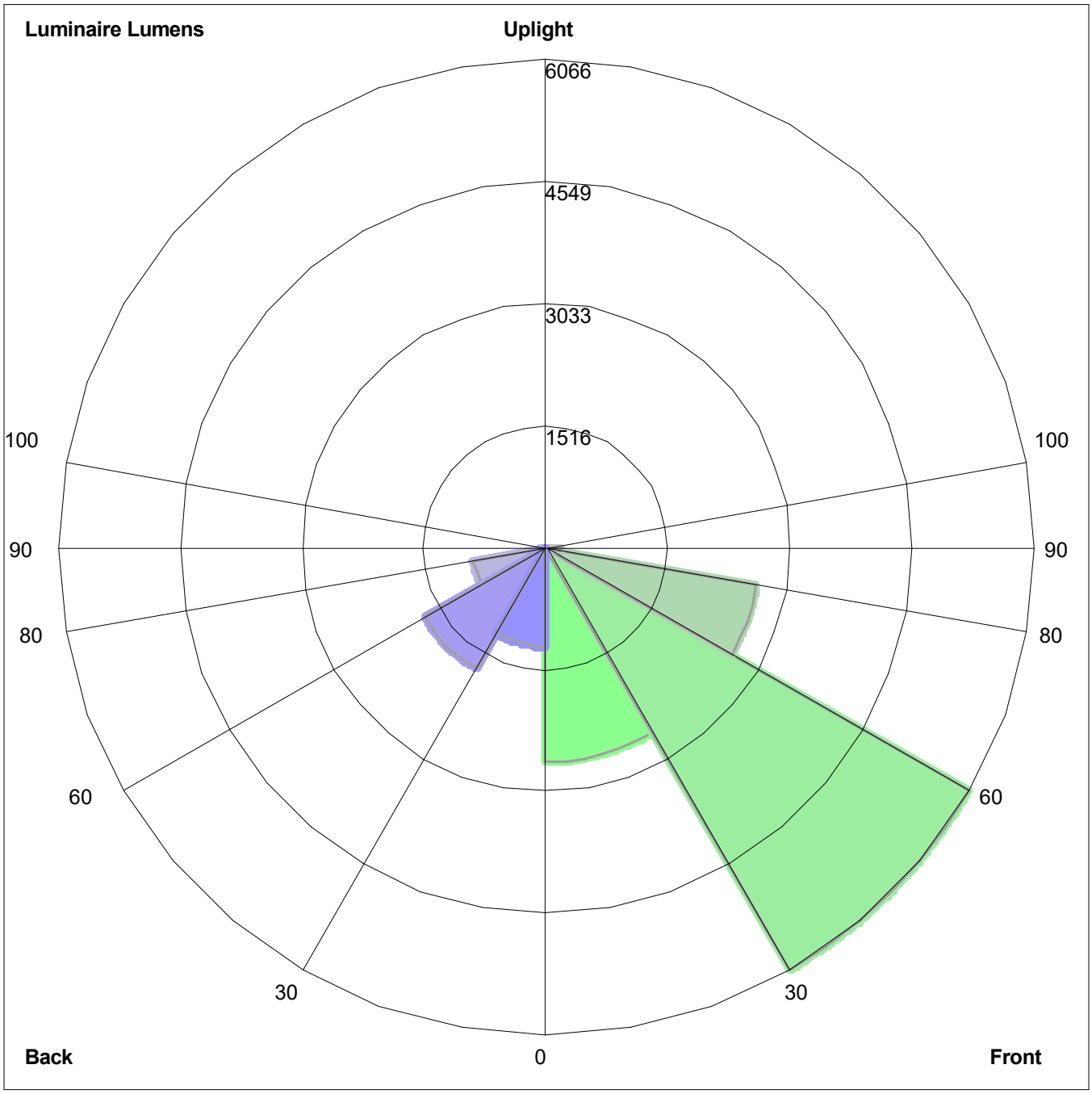
LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2662.1, Medium=6065.7, High=2660.3, Very High=189.1
Back: Low=1233.3, Medium=1734.9, High=920.4, Very High=80.3
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G2

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