IES ROAD REPORT
PHOTOMETRIC FILENAME : CRUS_SM-AC-HO-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-HO-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	14955
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	125
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	7929
Maximum Candela Angle	2.5H 25V
Maximum Candela (<90 Degrees Vertical)	7929
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	1550 (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)	2560.9	N.A.	17.1
FM - Front-Medium (30-60)	5835.2	N.A.	39.0
FH - Front-High (60-80)	2559.3	N.A.	17.1
FVH - Front-Very High (80-90)	181.9	N.A.	1.2
BL - Back-Low (0-30)	1186.5	N.A.	7.9
BM - Back-Medium (30-60)	1669.0	N.A.	11.2
BH - Back-High (60-80)	885.5	N.A.	5.9
BVH - Back-Very High (80-90)	77.2	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	14955.5	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	6181	6181	6181	6181	6181	6181	6181	6181	6181	6181
2.5	6220	6190	6199	6217	6215	6201	6226	6225	6226	6231
5.0	6003	5984	5964	5988	6031	6031	6080	6110	6102	6147
7.5	5694	5687	5674	5702	5750	5803	5856	5896	5924	5937
10.0	5584	5608	5593	5600	5563	5568	5607	5679	5740	5657
12.5	6014	5978	5966	5895	5780	5604	5573	5498	5554	5525
15.0	6379	6387	6362	6305	6181	5922	5704	5623	5367	5443
17.5	6830	6816	6827	6758	6531	6207	5911	5843	5440	5442
20.0	7314	7294	7308	7221	6928	6464	6043	5861	5715	5395
22.5	7887	7885	7864	7670	7197	6583	6126	5844	5968	5304
25.0	7885	7929	7911	7848	7288	6491	6093	5826	6141	5230
27.5	7045	7048	7065	7126	6873	6380	6153	5863	5999	5216
30.0	6507	6489	6485	6440	6366	6242	6202	5942	5946	5264
32.5	6308	6316	6276	6229	6166	6107	6061	5957	6267	5289
35.0	6214	6206	6208	6143	6069	6009	5966	5844	6135	5382
37.5	6114	6085	6107	6068	5958	5885	5897	5827	5827	5507
40.0	5987	5958	5963	5898	5818	5746	5761	5833	5601	5444
42.5	5827	5806	5796	5747	5641	5583	5582	5715	5561	5280
45.0	5588	5563	5573	5512	5470	5404	5380	5457	5444	5016
47.5	5309	5323	5304	5270	5266	5227	5183	5173	5224	4930
50.0	4966	4975	4968	4969	5011	5003	4969	4912	5055	4865
52.5	4536	4538	4551	4652	4769	4748	4740	4713	4706	4830
55.0	4133	4153	4140	4274	4468	4495	4547	4530	4409	4590
57.5	3773	3788	3790	3902	4154	4262	4383	4331	4124	4050
60.0	3418	3412	3439	3570	3875	4064	4229	4121	3824	3576
62.5	3117	3117	3133	3235	3550	3883	4050	3822	3538	3196
65.0	2949	2939	2963	3093	3276	3675	3818	3506	3200	2766
67.5	2609	2659	2705	3084	3140	3486	3532	3074	2770	2413
70.0	1990	2024	2077	3086	3059	3313	3136	2622	2376	2091
72.5	1642	1656	1707	2992	2919	2968	2714	2190	1942	1764
75.0	1182	1205	1238	2720	2619	2436	2128	1748	1489	1415
77.5	534	532	584	1907	2104	1977	1406	1278	1084	1003
80.0	397	405	432	1265	1550	1465	966	804	698	630
82.5	339	342	369	868	902	731	573	351	402	341
85.0	221	233	250	443	358	262	257	139	185	165
87.5	68	78	81	123	113	100	85	64	67	68
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	6181	6181	6181	6181	6181	6181	6181	6181	6181	6181
2.5	6200	6226	6202	6200	6186	6183	6119	6099	6108	6056
5.0	6134	6144	6131	6067	5987	5826	5643	5472	5229	5158
7.5	5923	5939	5911	5792	5574	5181	4702	4225	3926	3797
10.0	5614	5621	5557	5390	4979	4328	3730	3276	3089	3007
12.5	5258	5230	5168	4855	4307	3550	3013	2809	2703	2628
15.0	4961	4829	4758	4367	3687	3000	2641	2483	2398	2331
17.5	4839	4543	4440	4008	3197	2681	2363	2209	2124	2053
20.0	4935	4480	4202	3750	2947	2486	2128	1961	1872	1825
22.5	5093	4469	4067	3710	2780	2245	1902	1715	1649	1627
25.0	5140	4442	4020	3532	2515	2027	1675	1492	1472	1488
27.5	5173	4533	4006	3270	2343	1846	1462	1303	1325	1343

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CANDELA TABULATION - (Cont.)

30.0	5320	4652	3909	3085	2329	1635	1267	1130	1150	1135
32.5	5425	4597	3796	3151	2256	1463	1102	970	974	974
35.0	5325	4492	3719	3175	2032	1329	977	847	854	916
37.5	5045	4324	3671	2920	1819	1241	887	770	791	888
40.0	4865	4206	3696	2650	1687	1152	837	730	752	837
42.5	4712	4123	3654	2515	1627	1076	802	702	711	758
45.0	4592	4097	3578	2473	1611	1031	776	676	668	683
47.5	4540	4207	3570	2521	1718	1030	759	648	625	628
50.0	4425	4262	3581	2646	1860	1076	748	618	584	590
52.5	4251	4127	3498	2800	1938	1127	742	590	551	552
55.0	3936	3862	3369	2875	1984	1158	736	565	518	517
57.5	3637	3502	3161	2866	1997	1186	732	539	483	474
60.0	3387	3197	2941	2808	1954	1200	730	512	443	431
62.5	3038	2889	2710	2628	1884	1187	717	483	411	409
65.0	2630	2541	2451	2341	1790	1149	678	456	382	384
67.5	2272	2205	2173	2081	1664	1065	622	422	357	358
70.0	1981	1911	1887	1885	1502	971	572	391	328	331
72.5	1669	1570	1579	1603	1300	883	521	348	293	304
75.0	1354	1249	1233	1247	1044	766	461	313	256	260
77.5	948	827	853	906	718	655	389	261	226	230
80.0	596	441	463	573	494	463	296	213	181	191
82.5	372	277	207	337	316	253	139	154	142	152
85.0	178	149	109	157	163	130	91	108	103	110
87.5	73	69	66	73	69	74	68	72	72	73
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	**Horizontal Angles**	
	175.0	**180.0**
0.0	6181	6181
2.5	6078	6046
5.0	5094	5069
7.5	3698	3667
10.0	2963	2941
12.5	2610	2597
15.0	2287	2292
17.5	2013	1997
20.0	1779	1773
22.5	1601	1597
25.0	1478	1475
27.5	1300	1291
30.0	1085	1077
32.5	974	975
35.0	950	958
37.5	923	926
40.0	857	853
42.5	760	752
45.0	679	674
47.5	631	625
50.0	593	591
52.5	554	546
55.0	514	510
57.5	460	453
60.0	417	413
62.5	411	406
65.0	404	397

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CANDELA TABULATION - (Cont.)

67.5	369	364
70.0	332	318
72.5	293	277
75.0	244	227
77.5	195	176
80.0	165	148
82.5	149	134
85.0	112	101
87.5	75	71
90.0	0	0

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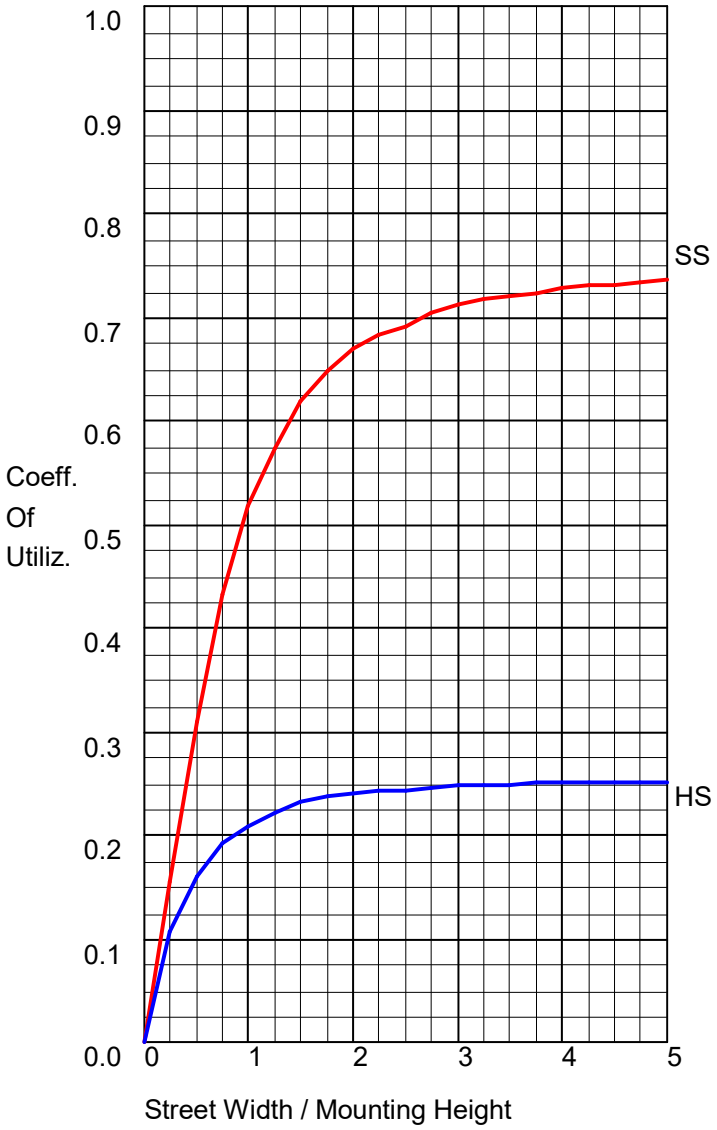
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	11137.3	74.5
Downward House Side	3818.1	25.5
Downward Total	14955.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	14955.4	100.0

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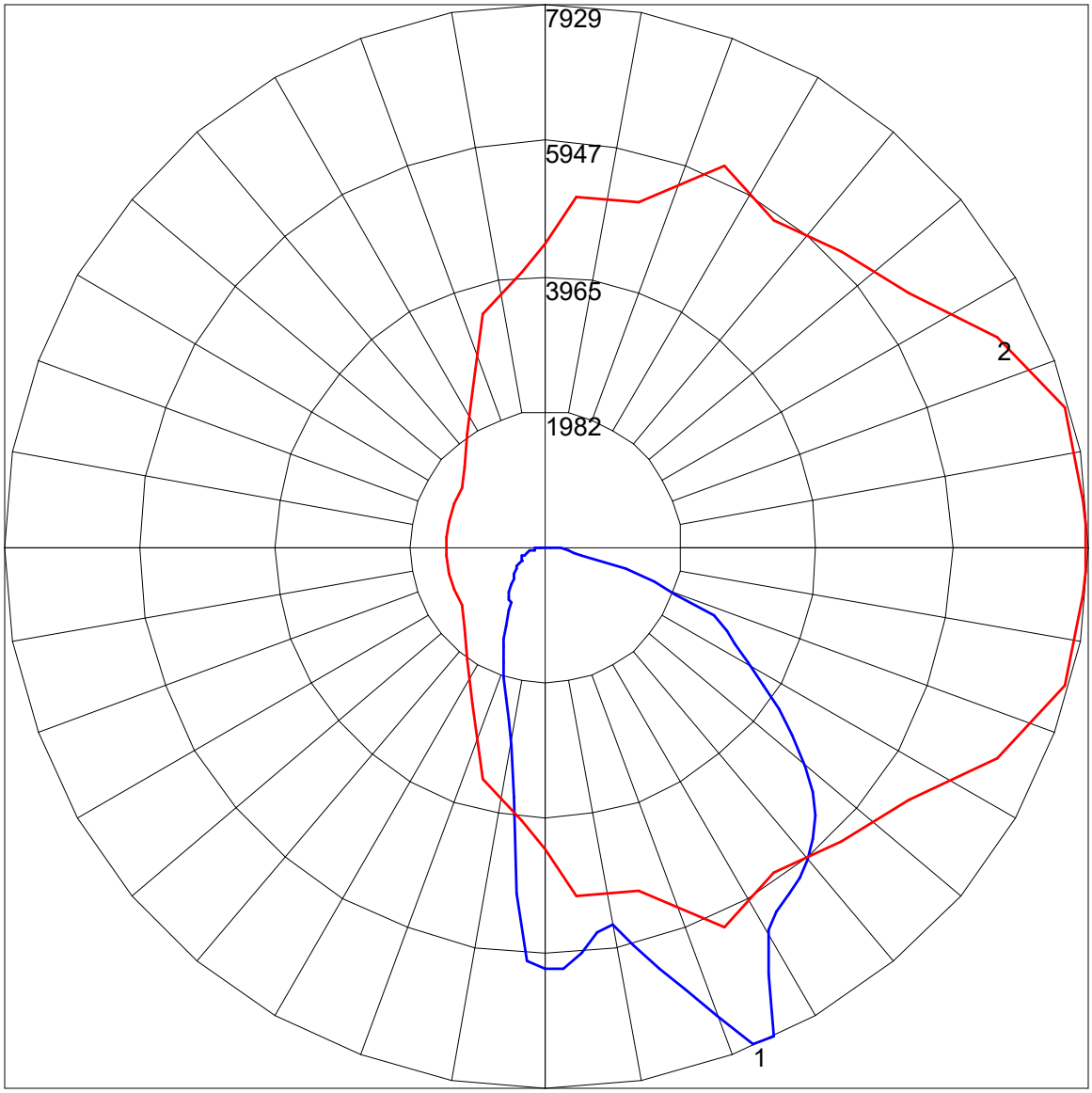
POLAR GRAPH



Maximum Candela = 7929 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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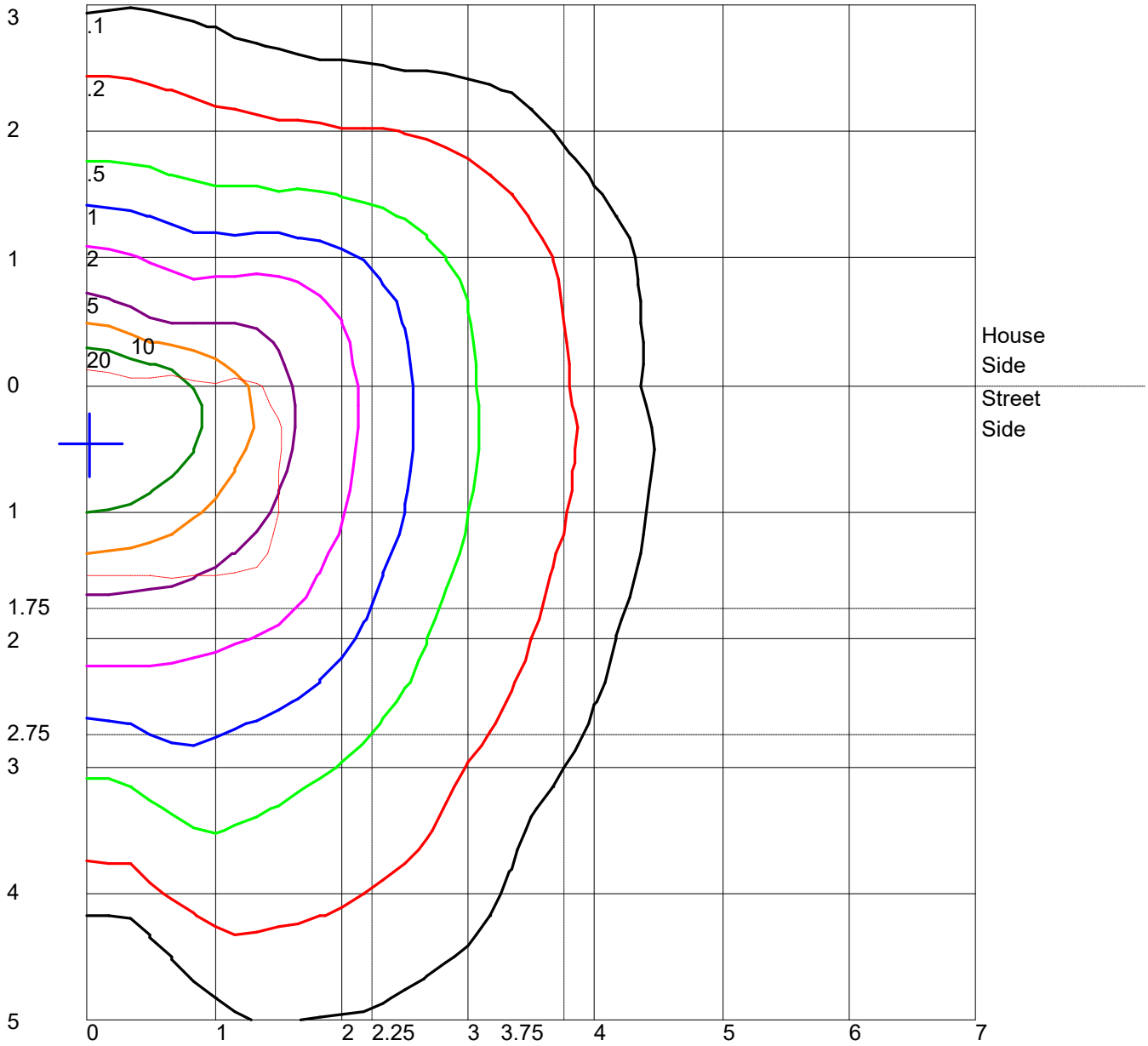
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



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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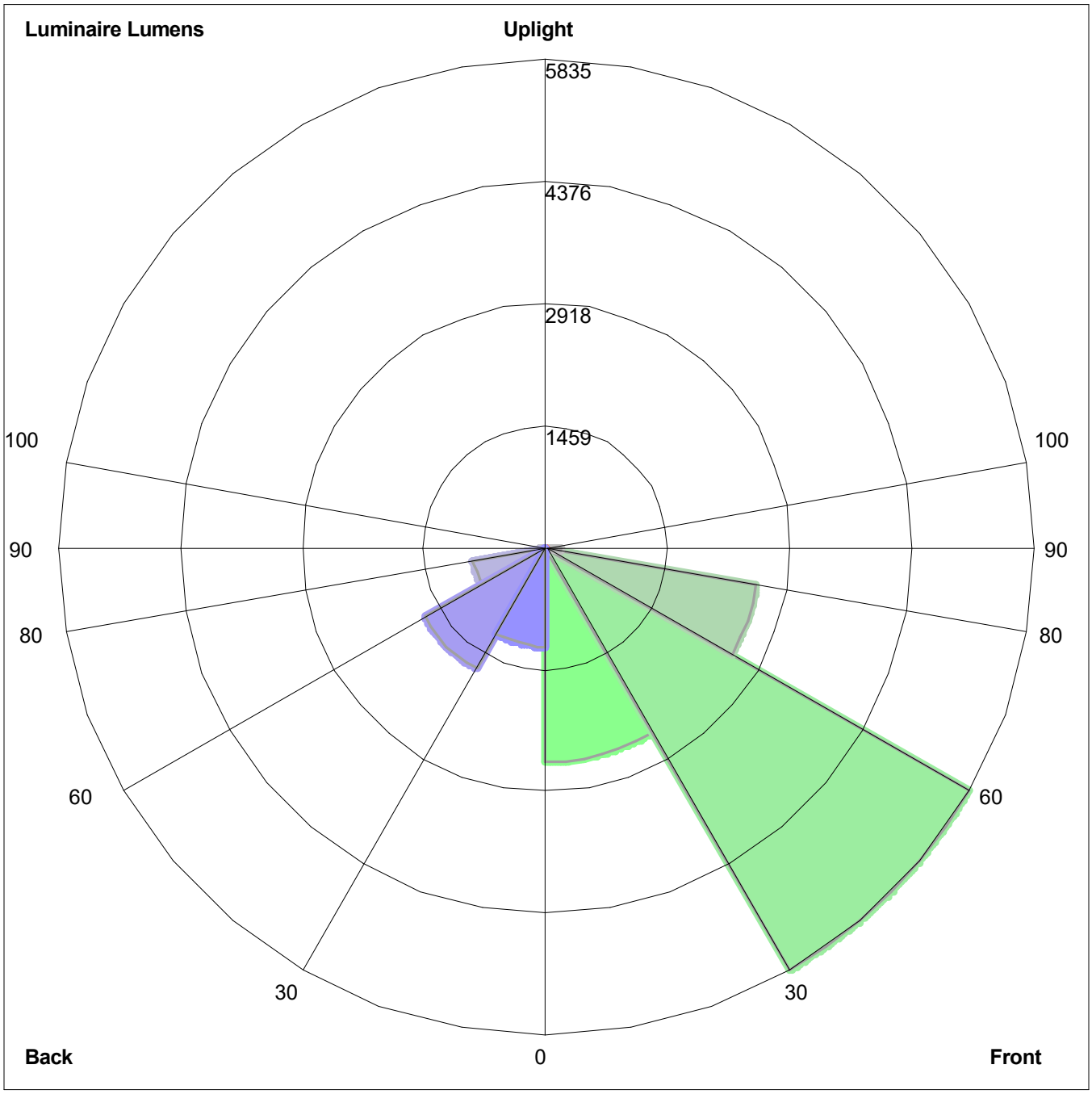
LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2560.9, Medium=5835.2, High=2559.3, Very High=181.9
Back: Low=1186.5, Medium= 1669.0, High=885.5, Very High=77.2
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G2

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