IES ROAD REPORT
PHOTOMETRIC FILENAME : CRUS_SM-AC-VHO-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_SM-AC-VHO-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	17355
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	152
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	9201
Maximum Candela Angle	2.5H 25V
Maximum Candela (<90 Degrees Vertical)	9201
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	1798 (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)	2971.8	N.A.	17.1
FM - Front-Medium (30-60)	6771.5	N.A.	39.0
FH - Front-High (60-80)	2969.9	N.A.	17.1
FVH - Front-Very High (80-90)	211.0	N.A.	1.2
BL - Back-Low (0-30)	1376.8	N.A.	7.9
BM - Back-Medium (30-60)	1936.7	N.A.	11.2
BH - Back-High (60-80)	1027.5	N.A.	5.9
BVH - Back-Very High (80-90)	89.6	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	17354.8	N.A.	100.0
BUG Rating	B3-U0-G3		

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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	7173	7173	7173	7173	7173	7173	7173	7173	7173	7173
2.5	7219	7182	7194	7215	7212	7196	7225	7224	7225	7231
5.0	6966	6944	6922	6950	6998	6998	7056	7090	7081	7133
7.5	6607	6600	6584	6617	6673	6734	6795	6842	6875	6890
10.0	6481	6508	6491	6498	6456	6462	6506	6590	6662	6564
12.5	6980	6937	6923	6841	6707	6503	6468	6380	6445	6411
15.0	7403	7411	7382	7316	7173	6872	6619	6525	6228	6316
17.5	7926	7909	7923	7843	7579	7203	6861	6781	6313	6316
20.0	8488	8465	8481	8379	8040	7500	7012	6802	6633	6260
22.5	9153	9150	9127	8901	8352	7639	7109	6782	6926	6156
25.0	9150	9201	9179	9107	8457	7532	7071	6761	7127	6070
27.5	8175	8178	8199	8268	7977	7404	7140	6804	6962	6053
30.0	7551	7529	7526	7473	7387	7244	7197	6895	6900	6108
32.5	7320	7330	7284	7228	7156	7087	7033	6912	7273	6138
35.0	7210	7202	7204	7129	7043	6973	6923	6782	7118	6246
37.5	7095	7061	7087	7043	6913	6829	6844	6762	6762	6391
40.0	6949	6913	6921	6845	6752	6668	6686	6769	6499	6317
42.5	6762	6737	6726	6669	6546	6480	6479	6633	6453	6128
45.0	6484	6456	6468	6396	6347	6271	6242	6333	6317	5821
47.5	6162	6177	6154	6116	6111	6065	6014	6002	6062	5721
50.0	5762	5772	5765	5766	5816	5806	5766	5700	5866	5646
52.5	5263	5266	5282	5398	5534	5510	5500	5469	5461	5605
55.0	4796	4819	4804	4960	5184	5217	5277	5257	5117	5326
57.5	4379	4396	4398	4528	4820	4945	5086	5026	4786	4700
60.0	3966	3960	3991	4143	4497	4716	4908	4782	4438	4150
62.5	3617	3617	3636	3755	4120	4506	4699	4435	4106	3709
65.0	3423	3411	3439	3589	3801	4264	4431	4068	3713	3210
67.5	3028	3085	3139	3579	3644	4046	4099	3567	3214	2800
70.0	2309	2349	2411	3581	3550	3845	3639	3043	2758	2427
72.5	1905	1921	1980	3472	3387	3444	3149	2542	2254	2048
75.0	1372	1399	1437	3155	3039	2826	2470	2029	1728	1642
77.5	619	617	677	2213	2442	2294	1632	1483	1258	1164
80.0	461	470	501	1468	1798	1701	1121	933	810	731
82.5	393	397	429	1007	1047	848	665	407	467	395
85.0	257	270	290	513	416	304	298	160	214	191
87.5	80	90	94	143	130	116	98	75	78	79
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	7173	7173	7173	7173	7173	7173	7173	7173	7173	7173
2.5	7195	7225	7197	7194	7179	7175	7101	7077	7088	7027
5.0	7118	7130	7115	7041	6947	6761	6548	6350	6069	5986
7.5	6874	6892	6860	6722	6468	6013	5457	4903	4556	4407
10.0	6515	6523	6449	6255	5778	5023	4328	3802	3584	3489
12.5	6102	6070	5998	5635	4998	4120	3497	3260	3137	3049
15.0	5757	5604	5522	5068	4279	3481	3064	2882	2783	2705
17.5	5616	5272	5151	4651	3710	3111	2742	2564	2465	2383
20.0	5726	5199	4877	4351	3419	2884	2470	2276	2172	2118
22.5	5910	5186	4720	4305	3226	2606	2207	1990	1914	1887
25.0	5965	5154	4666	4099	2918	2353	1944	1732	1708	1727
27.5	6002	5260	4649	3794	2719	2142	1697	1511	1537	1558

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CANDELA TABULATION - (Cont.)

30.0	6174	5399	4535	3580	2702	1898	1470	1311	1334	1317
32.5	6295	5335	4405	3656	2618	1698	1279	1126	1130	1130
35.0	6179	5212	4316	3684	2358	1543	1134	982	991	1063
37.5	5854	5018	4260	3388	2111	1440	1029	893	917	1030
40.0	5646	4880	4289	3076	1958	1337	971	847	873	971
42.5	5468	4785	4240	2918	1887	1248	930	815	825	880
45.0	5328	4755	4152	2870	1870	1197	901	785	775	793
47.5	5268	4881	4143	2926	1994	1196	881	752	726	729
50.0	5136	4945	4155	3071	2157	1248	869	717	677	685
52.5	4933	4789	4059	3249	2249	1309	861	685	640	641
55.0	4567	4482	3910	3336	2302	1344	854	656	600	599
57.5	4221	4063	3669	3325	2318	1376	850	625	561	551
60.0	3931	3710	3412	3259	2267	1392	847	594	514	500
62.5	3525	3352	3145	3050	2186	1378	832	560	477	475
65.0	3052	2948	2845	2716	2078	1333	787	529	443	446
67.5	2637	2559	2521	2414	1931	1235	722	490	414	416
70.0	2298	2217	2190	2186	1743	1127	664	453	381	385
72.5	1937	1822	1832	1860	1508	1025	605	404	340	353
75.0	1570	1449	1431	1446	1211	888	535	363	296	301
77.5	1099	960	991	1051	833	760	451	303	263	266
80.0	692	511	537	665	574	537	343	247	210	222
82.5	431	322	240	390	368	294	161	178	165	176
85.0	206	173	126	182	189	151	106	125	119	128
87.5	84	81	77	85	81	86	79	83	83	85
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	**Horizontal Angles**	
	175.0	**180.0**
0.0	7173	7173
2.5	7053	7016
5.0	5911	5882
7.5	4291	4256
10.0	3439	3412
12.5	3029	3014
15.0	2654	2660
17.5	2337	2318
20.0	2064	2058
22.5	1857	1853
25.0	1715	1712
27.5	1508	1498
30.0	1259	1250
32.5	1130	1131
35.0	1103	1112
37.5	1070	1075
40.0	994	991
42.5	882	873
45.0	788	782
47.5	733	726
50.0	688	686
52.5	643	634
55.0	597	592
57.5	534	525
60.0	483	478
62.5	477	471
65.0	469	461

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CANDELA TABULATION - (Cont.)

67.5	429	422
70.0	386	370
72.5	340	322
75.0	283	264
77.5	227	204
80.0	192	172
82.5	173	155
85.0	129	117
87.5	87	83
90.0	0	0

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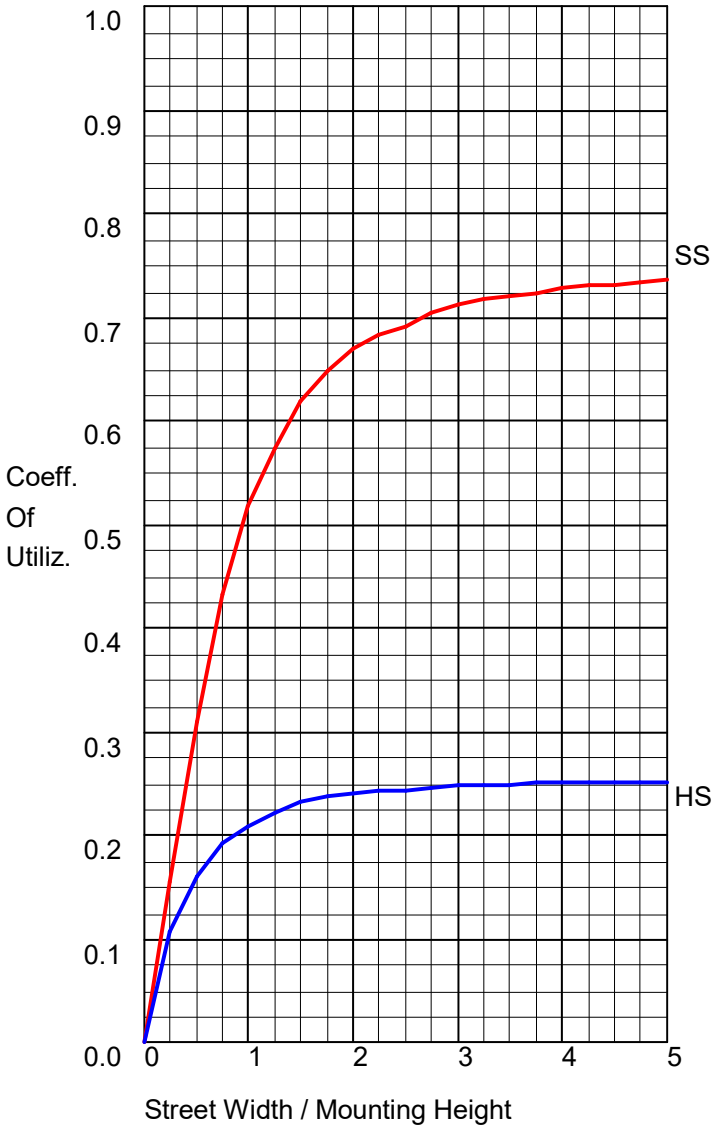
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	12924.3	74.5
Downward House Side	4430.7	25.5
Downward Total	17355.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	17355.0	100.0

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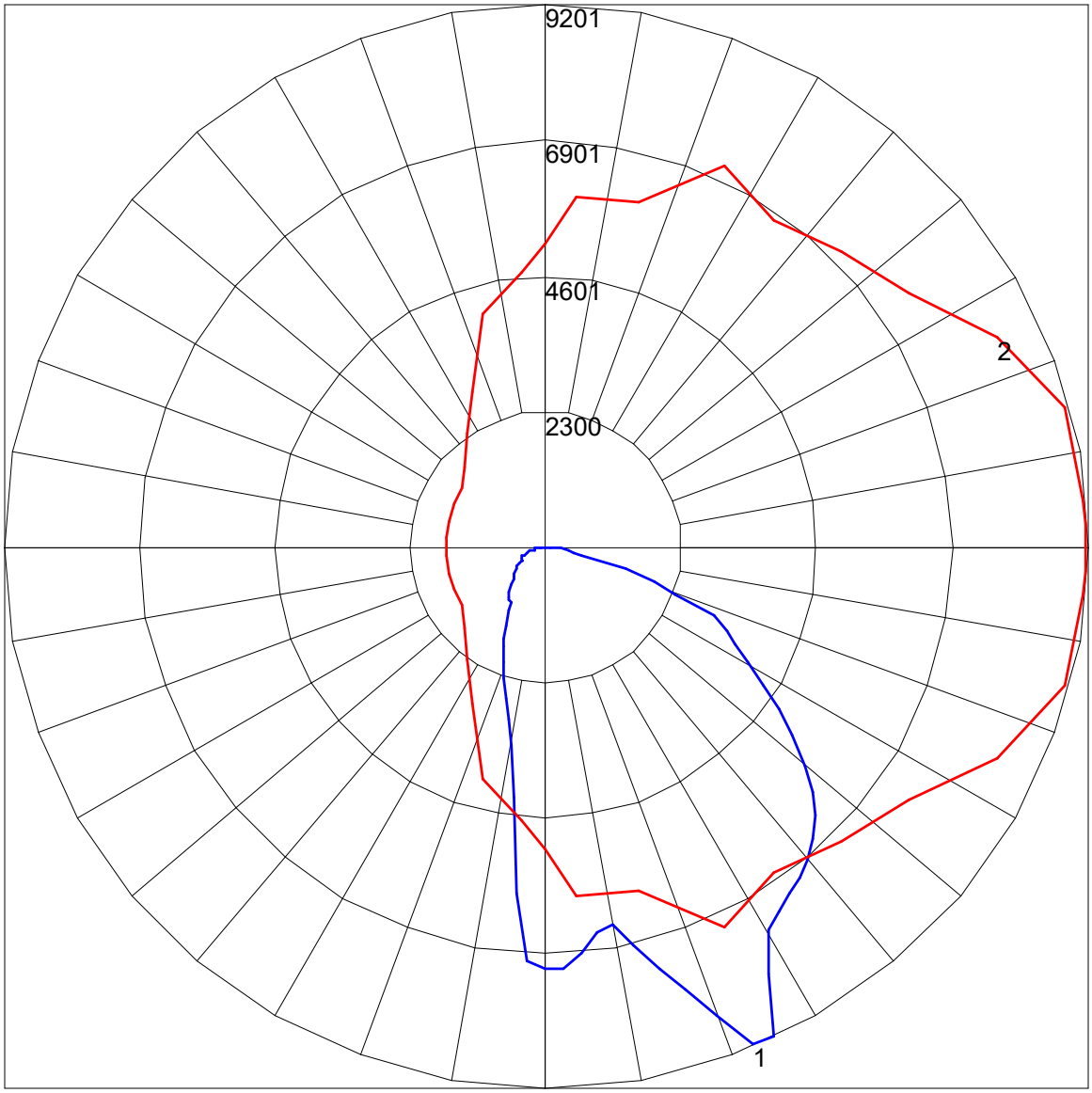
POLAR GRAPH



Maximum Candela = 9201 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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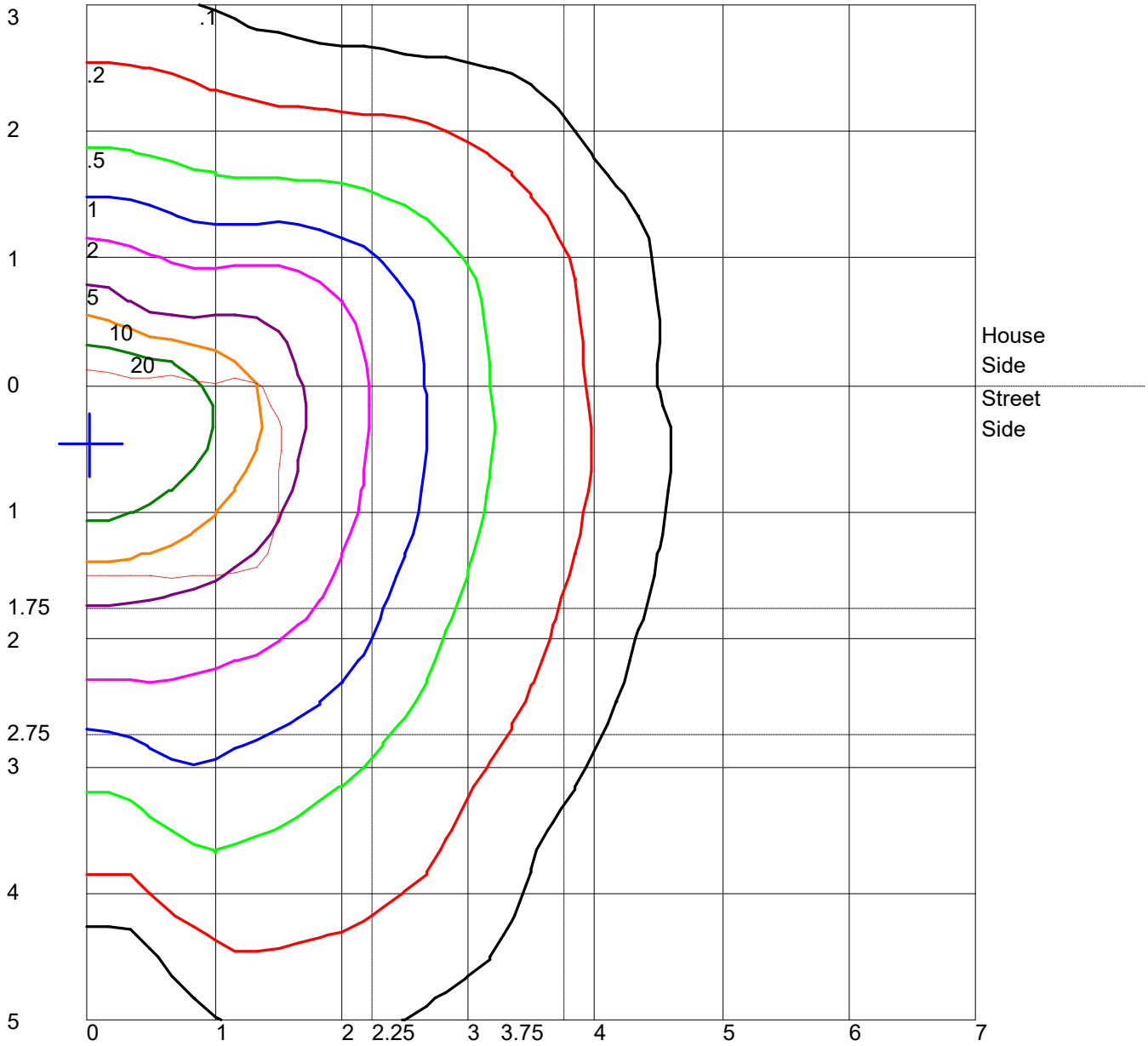
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



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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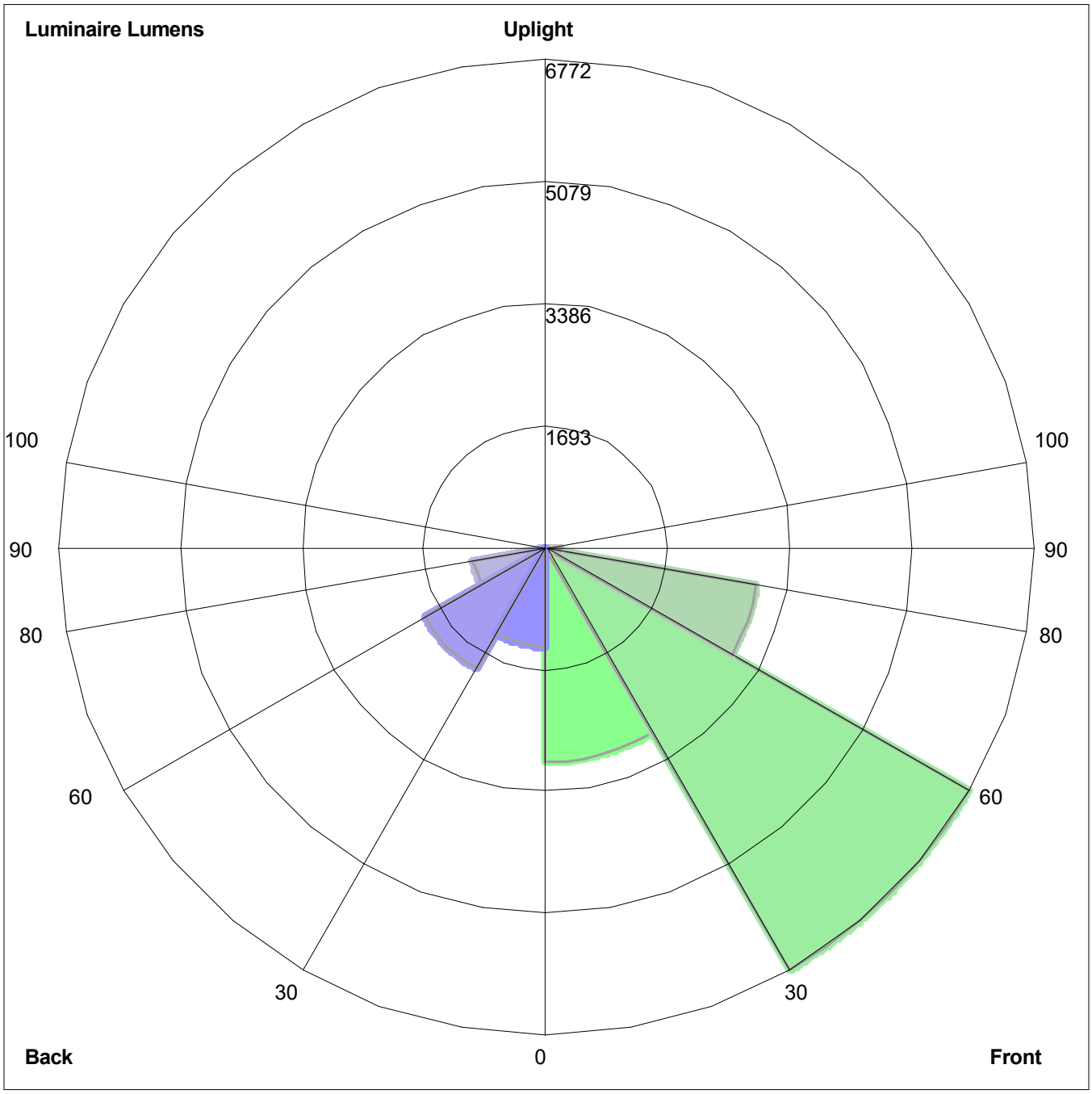
LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2971.8, Medium=6771.5, High=2969.9, Very High=211.0
Back: Low=1376.8, Medium=1936.7, High=1027.5, Very High=89.6
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3

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