IES ROAD REPORT
PHOTOMETRIC FILENAME : CRUS-SCFT-LED-VHO-50.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-13579
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 09/01/22
[TESTDATE] 08/12/22
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] CRUS-SCFT-LED-VHO-50
[_ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[_FACTORED] SCALED FROM ORIGINAL TEST DATA
[TEST PROCEDURE] IESNA LM-79-19
[_SEARCH_SOURCETYPE] LED
[_SEARCH_APPLICATION] Outdoor
[_SEARCH_COLORTEMP] 5000

CHARACTERISTICS

IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	23269
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	153
Total Luminaire Watts	152
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	9717
Maximum Candela Angle	42.5H 65V
Maximum Candela (<90 Degrees Vertical)	9717
Maximum Candela Angle (<90 Degrees Vertical)	42.5H 65V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1992 (8.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2397.7	N.A.	10.3
FM - Front-Medium (30-60)	8658.8	N.A.	37.2
FH - Front-High (60-80)	4914.2	N.A.	21.1
FVH - Front-Very High (80-90)	225.7	N.A.	1.0
BL - Back-Low (0-30)	1659.5	N.A.	7.1
BM - Back-Medium (30-60)	3946.3	N.A.	17.0
BH - Back-High (60-80)	1308.0	N.A.	5.6
BVH - Back-Very High (80-90)	159.1	N.A.	0.7
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	23269.3	N.A.	100.0
BUG Rating	B3-U0-G3		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0.0	5.0	15.0	25.0	35.0	42.5	45.0	55.0	65.0	75.0
0.0	4477	4477	4477	4477	4477	4477	4477	4477	4477	4477
2.5	4609	4601	4598	4590	4582	4566	4569	4553	4538	4516
5.0	4815	4810	4802	4782	4758	4727	4725	4690	4639	4588
7.5	5024	5015	5003	4976	4940	4905	4890	4835	4764	4674
10.0	5226	5217	5202	5172	5125	5092	5065	4989	4893	4774
12.5	5425	5424	5398	5364	5321	5271	5251	5154	5037	4887
15.0	5623	5619	5602	5567	5510	5456	5433	5326	5192	5020
17.5	5808	5803	5798	5754	5695	5643	5617	5504	5356	5158
20.0	5985	5978	5974	5932	5881	5831	5805	5689	5532	5314
22.5	6147	6140	6134	6113	6064	6023	5995	5884	5723	5489
25.0	6296	6300	6292	6284	6251	6220	6197	6098	5945	5708
27.5	6445	6452	6451	6451	6450	6427	6409	6335	6200	5951
30.0	6616	6610	6621	6630	6646	6642	6638	6603	6502	6237
32.5	6770	6766	6795	6819	6856	6876	6898	6893	6819	6557
35.0	6896	6896	6945	7008	7081	7131	7174	7248	7191	6943
37.5	6998	7002	7071	7178	7310	7437	7493	7692	7661	7375
40.0	7073	7086	7175	7329	7547	7791	7900	8217	8087	7566
42.5	7127	7148	7262	7461	7821	8261	8407	8639	8227	7423
45.0	7151	7173	7320	7594	8147	8680	8816	8863	8198	7283
47.5	7148	7169	7365	7754	8482	8933	9020	8856	8132	7284
50.0	7115	7144	7393	7944	8638	8869	8917	8752	8174	7404
52.5	7107	7146	7393	7961	8321	8576	8686	8772	8317	7551
55.0	6932	6928	7076	7316	7723	8340	8569	8943	8429	7601
57.5	6865	6854	6794	6886	7670	8603	8899	9132	8406	7424
60.0	7432	7450	7479	7628	8621	9076	9237	9210	8059	6917
62.5	7731	7798	7995	8240	8861	9461	9560	8962	7254	6091
65.0	5658	5749	6501	7593	9068	9717	9635	8167	6107	4988
67.5	5193	5220	5280	6487	8709	9279	9067	6785	4713	3534
70.0	5344	5388	5491	6929	8869	8338	7818	5033	3144	2165
72.5	4779	4847	5136	6845	7933	6667	5912	3119	1934	1266
75.0	3267	3325	3655	5014	5675	4505	3917	1899	1324	908
77.5	1873	1966	2312	3193	3423	2785	2253	1300	940	681
80.0	1047	1090	1298	1802	1992	1466	1216	917	659	498
82.5	576	598	724	913	983	818	770	607	433	349
85.0	265	280	366	449	473	465	469	369	256	217
87.5	102	105	151	175	197	233	243	177	113	93
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	4477	4477	4477	4477	4477	4477	4477	4477	4477	4477
2.5	4502	4487	4474	4457	4438	4426	4407	4396	4385	4380
5.0	4540	4510	4481	4431	4382	4342	4295	4263	4235	4220
7.5	4593	4546	4501	4417	4335	4263	4192	4139	4093	4065
10.0	4660	4595	4532	4413	4296	4193	4093	4016	3952	3913
12.5	4740	4656	4575	4415	4259	4117	3993	3894	3816	3759
15.0	4833	4730	4629	4425	4228	4049	3893	3776	3689	3641
17.5	4948	4815	4688	4434	4194	3977	3798	3670	3591	3552
20.0	5063	4909	4754	4445	4154	3900	3701	3575	3510	3494
22.5	5199	5024	4837	4459	4111	3817	3602	3492	3460	3467
25.0	5359	5153	4928	4475	4063	3728	3506	3434	3436	3464
27.5	5548	5306	5038	4495	4008	3628	3429	3394	3425	3472

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CANDELA TABULATION - (Cont.)

30.0	5780	5501	5182	4530	3954	3538	3366	3369	3423	3485
32.5	6069	5753	5386	4610	3921	3470	3320	3357	3430	3494
35.0	6450	6111	5708	4802	3968	3445	3297	3356	3432	3472
37.5	6818	6458	6038	5079	4154	3525	3313	3352	3406	3390
40.0	6822	6405	5971	5053	4240	3728	3427	3340	3328	3254
42.5	6521	6044	5547	4661	3955	3739	3638	3354	3223	3100
45.0	6330	5822	5268	4279	3586	3506	3665	3458	3126	2968
47.5	6349	5821	5199	4041	3289	3263	3503	3488	3068	2858
50.0	6485	5936	5235	3868	3021	3024	3317	3364	3056	2746
52.5	6615	6022	5241	3650	2698	2749	3127	3165	2971	2614
55.0	6614	5953	5099	3342	2328	2428	2767	2926	2810	2450
57.5	6327	5583	4684	2854	1963	2074	2418	2650	2584	2264
60.0	5729	4936	4031	2291	1614	1728	2035	2353	2327	2060
62.5	4860	4077	3223	1681	1319	1436	1674	2047	2098	1862
65.0	3754	3033	2302	1196	1087	1204	1415	1766	1921	1705
67.5	2481	1936	1411	924	914	1052	1219	1551	1790	1591
70.0	1394	1130	935	784	792	924	1076	1400	1678	1528
72.5	928	792	747	671	693	813	960	1253	1558	1467
75.0	694	604	586	576	603	715	857	1122	1398	1393
77.5	521	459	458	485	515	606	716	958	1184	1270
80.0	384	344	345	387	415	483	558	734	910	994
82.5	272	245	247	289	305	355	436	501	643	723
85.0	172	157	161	184	196	233	320	307	369	430
87.5	84	76	78	86	96	124	157	158	162	173
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	**Horizontal Angles**	
	175.0	**180.0**
0.0	4477	4477
2.5	4371	4383
5.0	4204	4200
7.5	4037	4038
10.0	3877	3880
12.5	3730	3732
15.0	3614	3615
17.5	3534	3537
20.0	3488	3490
22.5	3470	3475
25.0	3476	3482
27.5	3493	3499
30.0	3512	3519
32.5	3516	3519
35.0	3468	3474
37.5	3348	3338
40.0	3180	3179
42.5	3027	3024
45.0	2901	2898
47.5	2787	2778
50.0	2660	2653
52.5	2509	2502
55.0	2341	2337
57.5	2151	2149
60.0	1955	1961
62.5	1780	1777
65.0	1628	1618

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CANDELA TABULATION - (Cont.)

67.5	1521	1511
70.0	1485	1478
72.5	1416	1403
75.0	1265	1248
77.5	1105	1071
80.0	818	786
82.5	538	512
85.0	314	290
87.5	138	130
90.0	0	0

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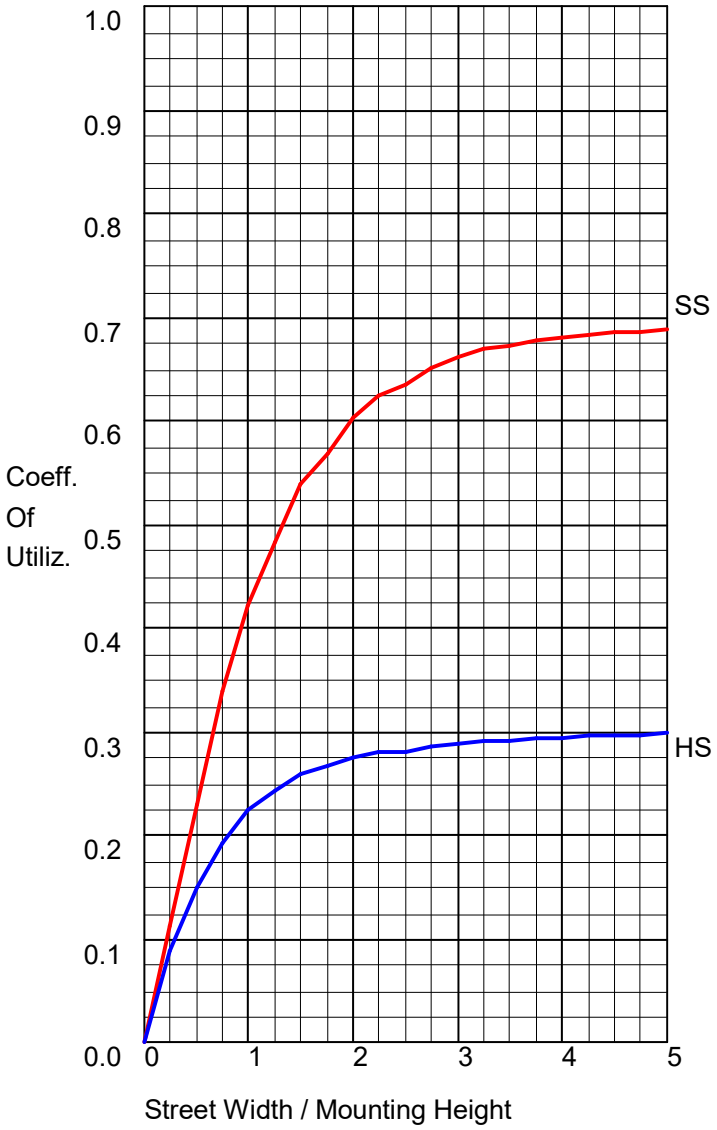
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	16196.4	69.6
Downward House Side	7072.9	30.4
Downward Total	23269.3	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	23269.3	100.0

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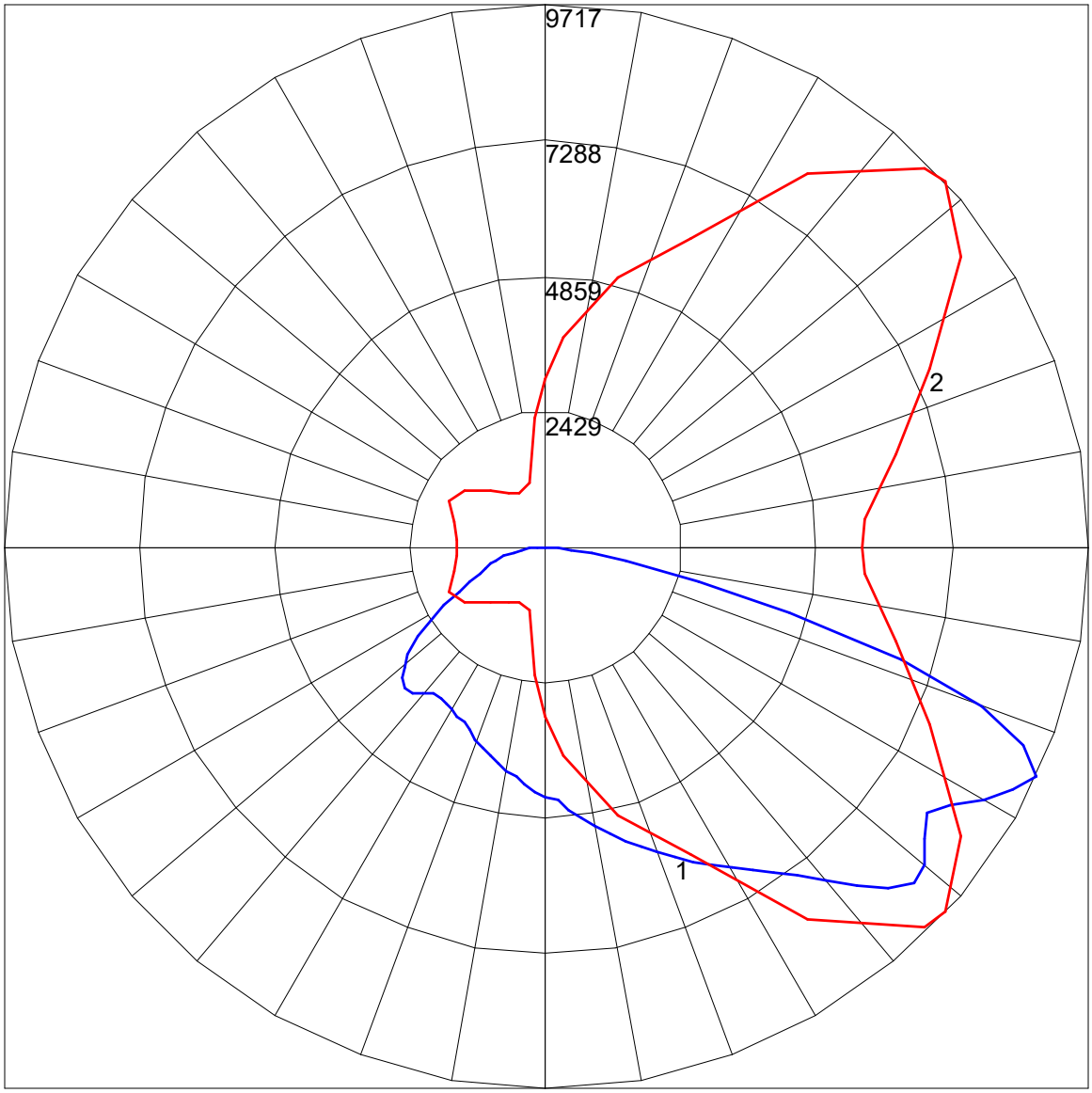
POLAR GRAPH



Maximum Candela = 9717 Located At Horizontal Angle = 42.5, Vertical Angle = 65
1 - Vertical Plane Through Horizontal Angles (42.5 - 222.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

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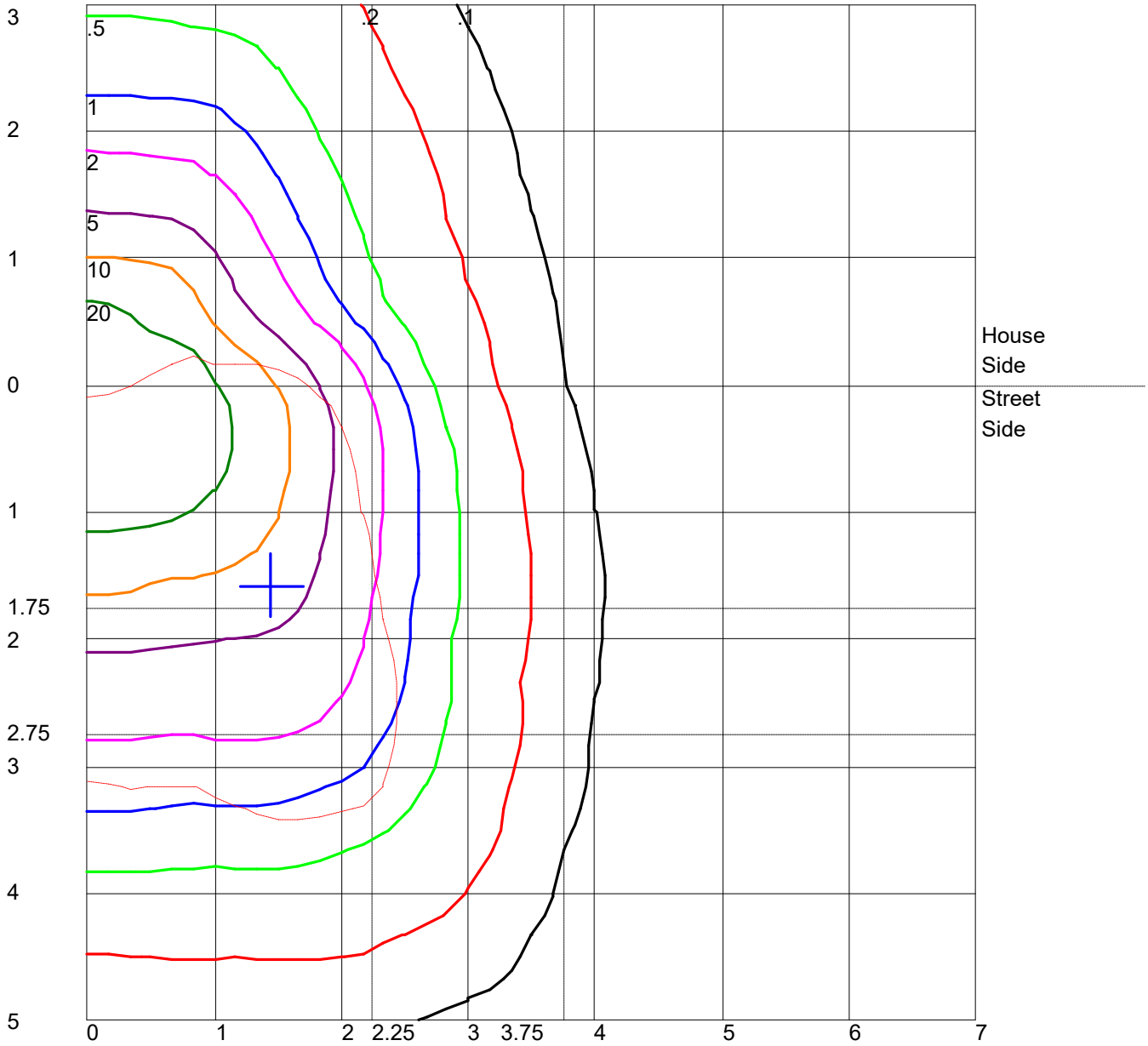
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



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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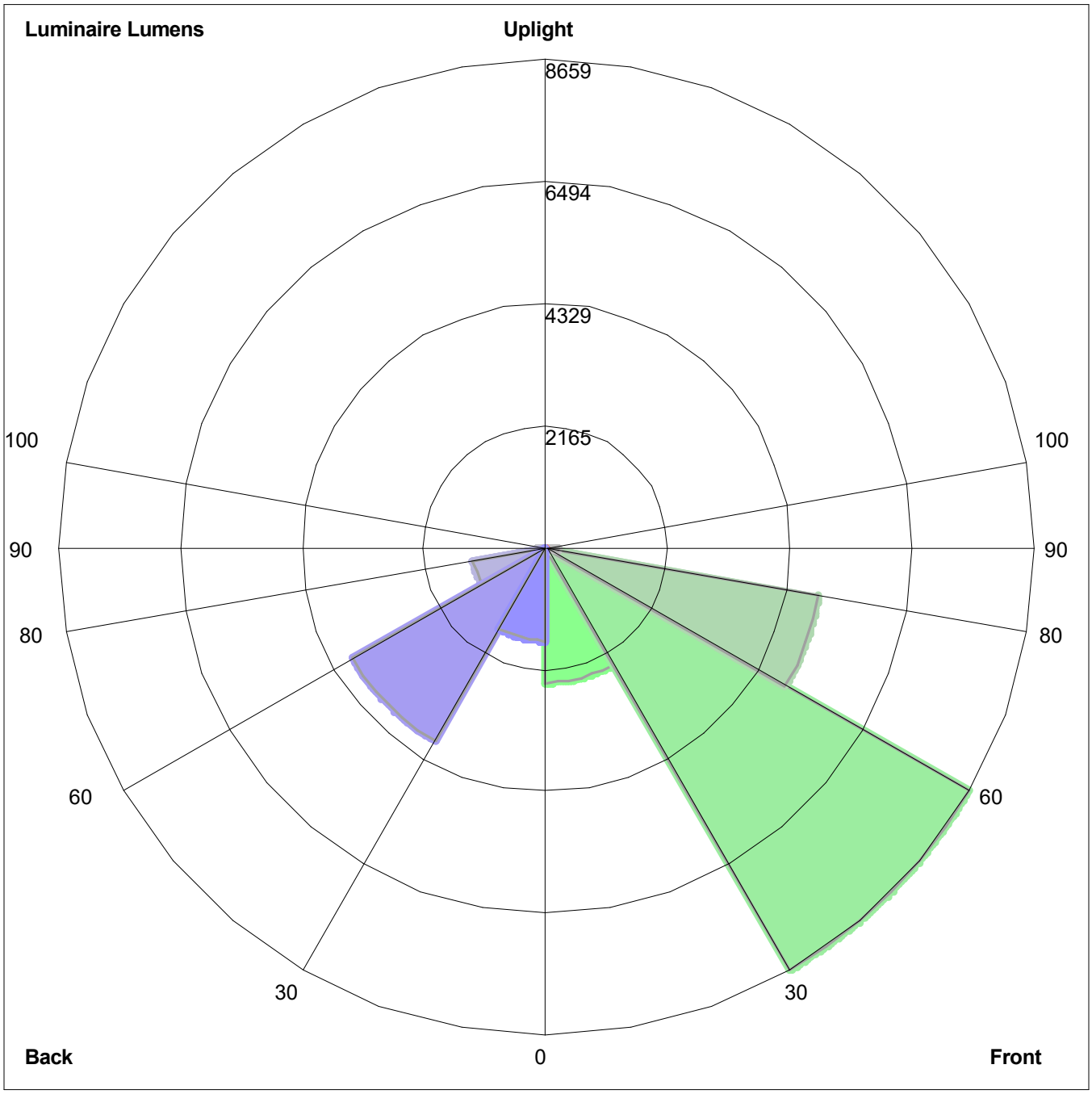
LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2397.7, Medium=8658.8, High=4914.2, Very High=225.7
Back: Low=1659.5, Medium=3946.3, High= 1308.0, Very High=159.1
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3

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