IES ROAD REPORT
PHOTOMETRIC FILENAME : CRUS_SM-SC-HO-40.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12151
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 08/27/20
[TESTDATE] 08/18/20
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] CRUS_SM-SC-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 VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	18346
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	147
Total Luminaire Watts	125
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5926
Maximum Candela Angle	55H 5V
Maximum Candela (<90 Degrees Vertical)	5926
Maximum Candela Angle (<90 Degrees Vertical)	55H 5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	509 (2.8% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2408.8	N.A.	13.1
FM - Front-Medium (30-60)	4957.2	N.A.	27.0
FH - Front-High (60-80)	1706.6	N.A.	9.3
FVH - Front-Very High (80-90)	100.6	N.A.	0.5
BL - Back-Low (0-30)	2408.8	N.A.	13.1
BM - Back-Medium (30-60)	4957.2	N.A.	27.0
BH - Back-High (60-80)	1706.6	N.A.	9.3
BVH - Back-Very High (80-90)	100.6	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	18346.4	N.A.	100.0
BUG Rating	B3-U0-G2		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	5	15	25	35	45	55	65	75	85
0.0	5904	5904	5904	5904	5904	5904	5904	5904	5904	5904
2.5	5901	5903	5919	5890	5907	5898	5912	5910	5925	5923
5.0	5911	5908	5901	5912	5922	5921	5926	5923	5911	5917
7.5	5908	5906	5901	5911	5901	5913	5912	5922	5905	5924
10.0	5902	5886	5884	5892	5897	5886	5885	5900	5906	5901
12.5	5873	5859	5875	5866	5886	5882	5877	5864	5888	5876
15.0	5828	5847	5840	5830	5848	5851	5852	5853	5839	5857
17.5	5818	5806	5814	5800	5809	5814	5807	5817	5802	5816
20.0	5759	5759	5764	5747	5759	5755	5769	5759	5769	5760
22.5	5722	5693	5696	5693	5698	5723	5709	5702	5709	5700
25.0	5639	5623	5634	5645	5638	5644	5633	5638	5633	5652
27.5	5543	5541	5552	5551	5555	5547	5565	5565	5553	5575
30.0	5465	5451	5453	5452	5470	5473	5454	5477	5456	5460
32.5	5348	5341	5341	5334	5335	5344	5352	5360	5345	5344
35.0	5198	5194	5204	5216	5220	5221	5221	5222	5212	5205
37.5	5041	5060	5053	5050	5074	5055	5066	5061	5062	5056
40.0	4892	4897	4899	4893	4901	4908	4893	4891	4893	4902
42.5	4707	4716	4722	4727	4728	4713	4706	4725	4717	4727
45.0	4502	4521	4518	4536	4525	4525	4515	4511	4523	4517
47.5	4302	4307	4314	4309	4309	4291	4302	4295	4305	4297
50.0	4089	4089	4098	4074	4076	4082	4077	4079	4063	4073
52.5	3850	3842	3859	3833	3840	3835	3842	3829	3804	3796
55.0	3582	3577	3591	3583	3575	3585	3582	3564	3510	3471
57.5	3296	3285	3306	3317	3311	3306	3307	3257	3199	3172
60.0	2976	2975	3013	3022	3016	3032	2974	2910	2912	2898
62.5	2638	2634	2673	2715	2724	2701	2627	2620	2613	2609
65.0	2322	2321	2331	2364	2382	2341	2309	2315	2316	2301
67.5	2003	2012	2004	2001	2017	2000	1995	2001	1997	1990
70.0	1676	1686	1683	1673	1659	1660	1674	1685	1686	1669
72.5	1355	1367	1362	1353	1326	1329	1349	1374	1366	1356
75.0	1019	1039	1041	1035	1008	1030	1040	1066	1036	1044
77.5	718	750	741	728	724	757	748	743	751	751
80.0	457	491	498	479	494	503	493	490	506	509
82.5	261	282	279	287	289	290	291	293	293	303
85.0	125	131	128	140	139	141	149	149	148	155
87.5	51	51	53	56	60	63	67	68	70	71
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles
	90
0.0	5904
2.5	5887
5.0	5880
7.5	5895
10.0	5867
12.5	5849
15.0	5835
17.5	5800
20.0	5763
22.5	5715
25.0	5637
27.5	5552

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CANDELA TABULATION - (Cont.)

30.0	5466
32.5	5345
35.0	5189
37.5	5044
40.0	4903
42.5	4730
45.0	4514
47.5	4287
50.0	4059
52.5	3794
55.0	3470
57.5	3165
60.0	2885
62.5	2596
65.0	2299
67.5	1980
70.0	1658
72.5	1347
75.0	1031
77.5	731
80.0	489
82.5	292
85.0	146
87.5	68
90.0	0

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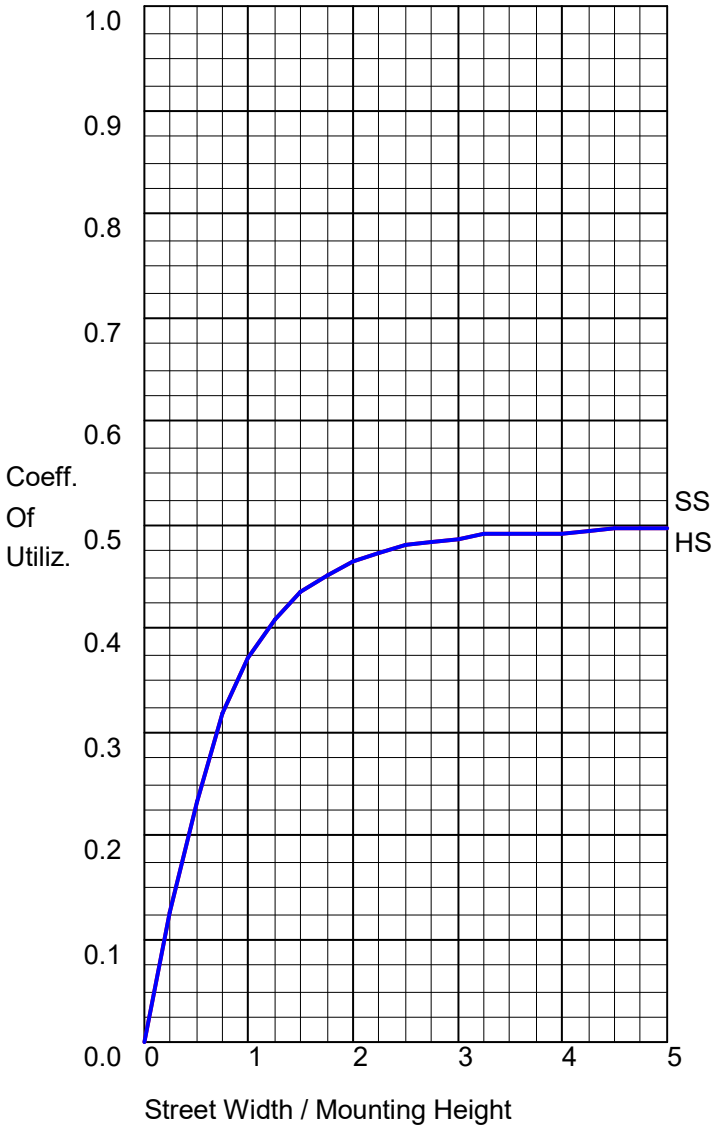
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	9173.2	50.0
Downward House Side	9173.2	50.0
Downward Total	18346.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	18346.4	100.0

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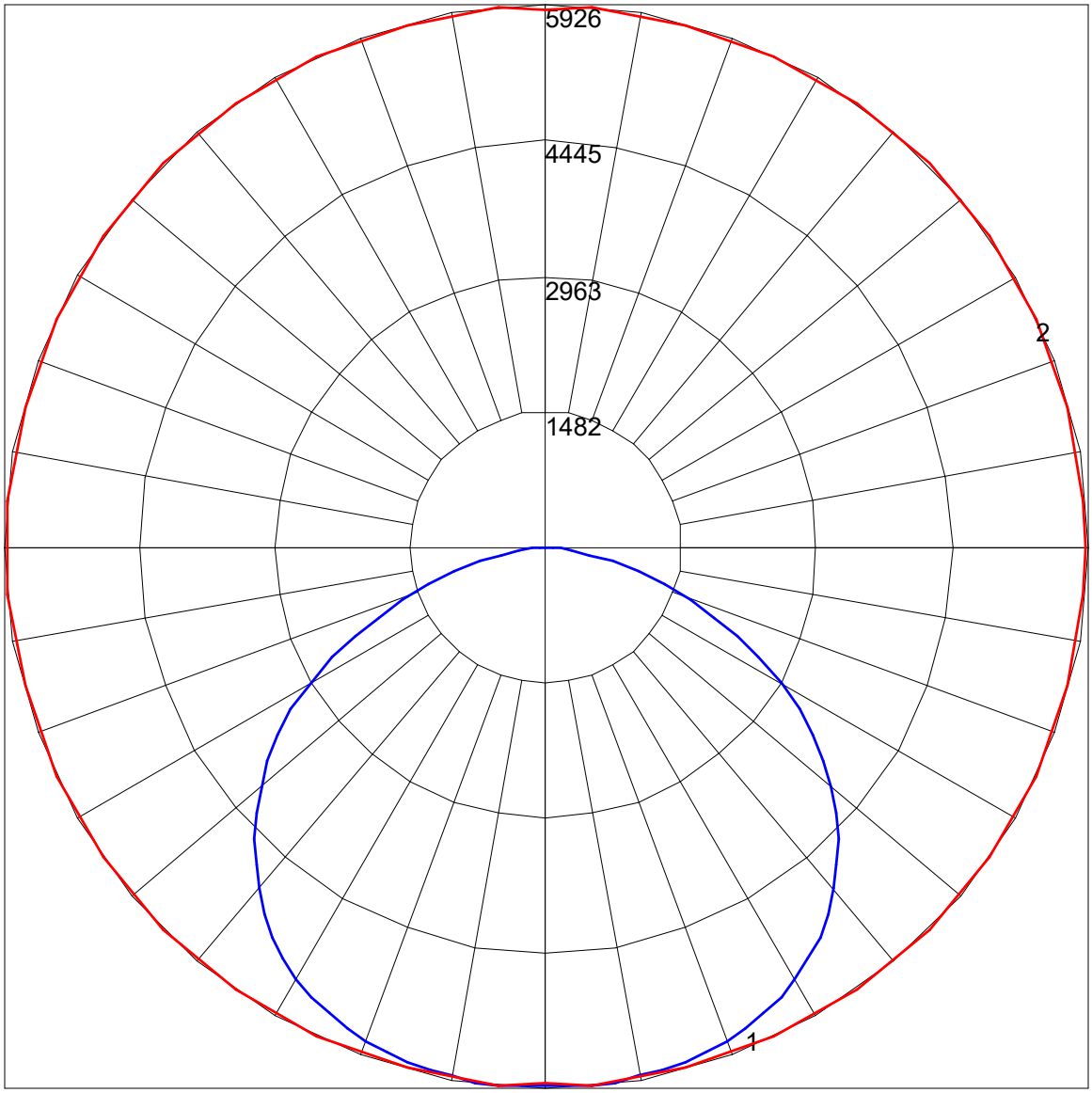
POLAR GRAPH



Maximum Candela = 5926 Located At Horizontal Angle = 55, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (55 - 235) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

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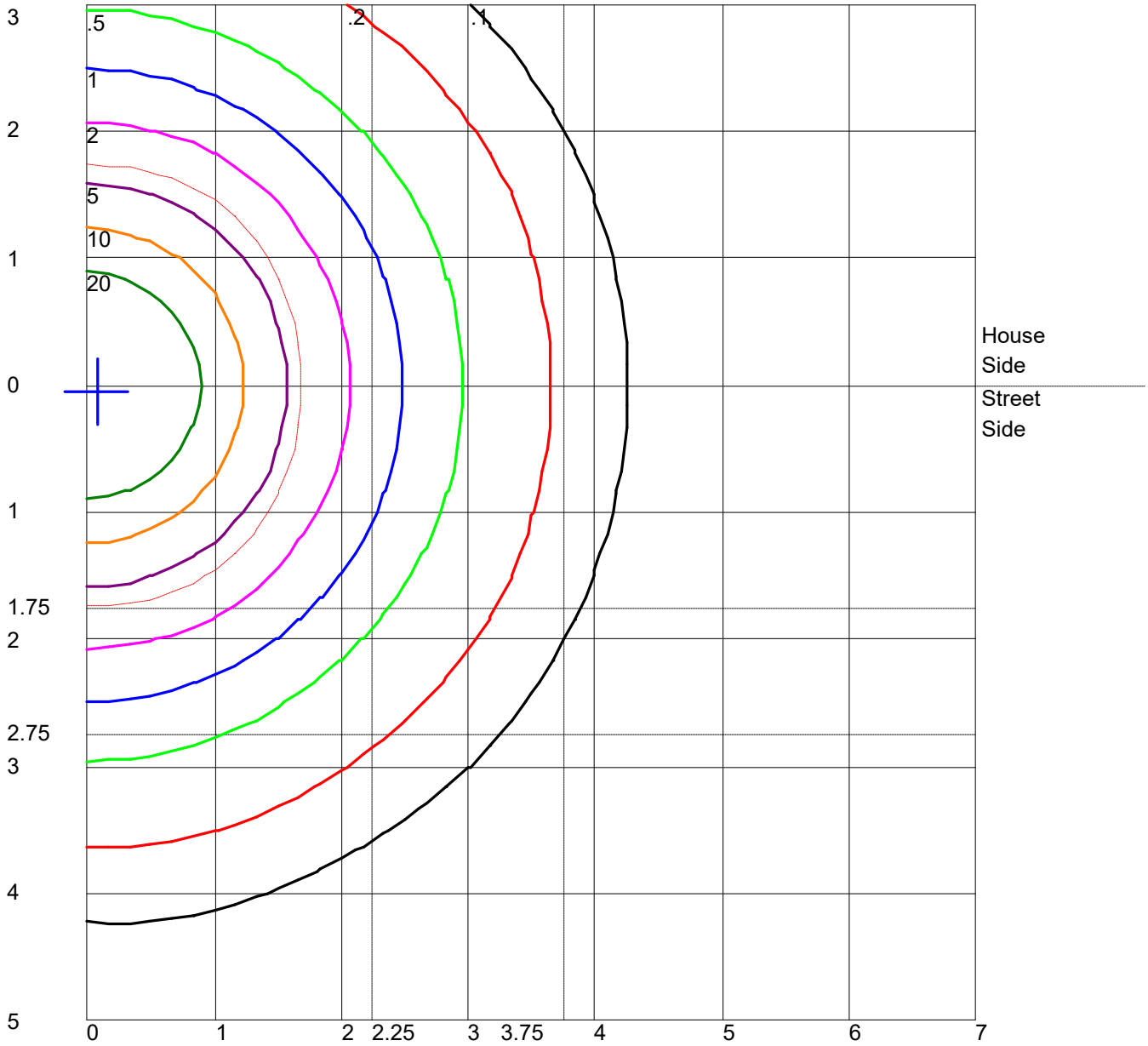
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



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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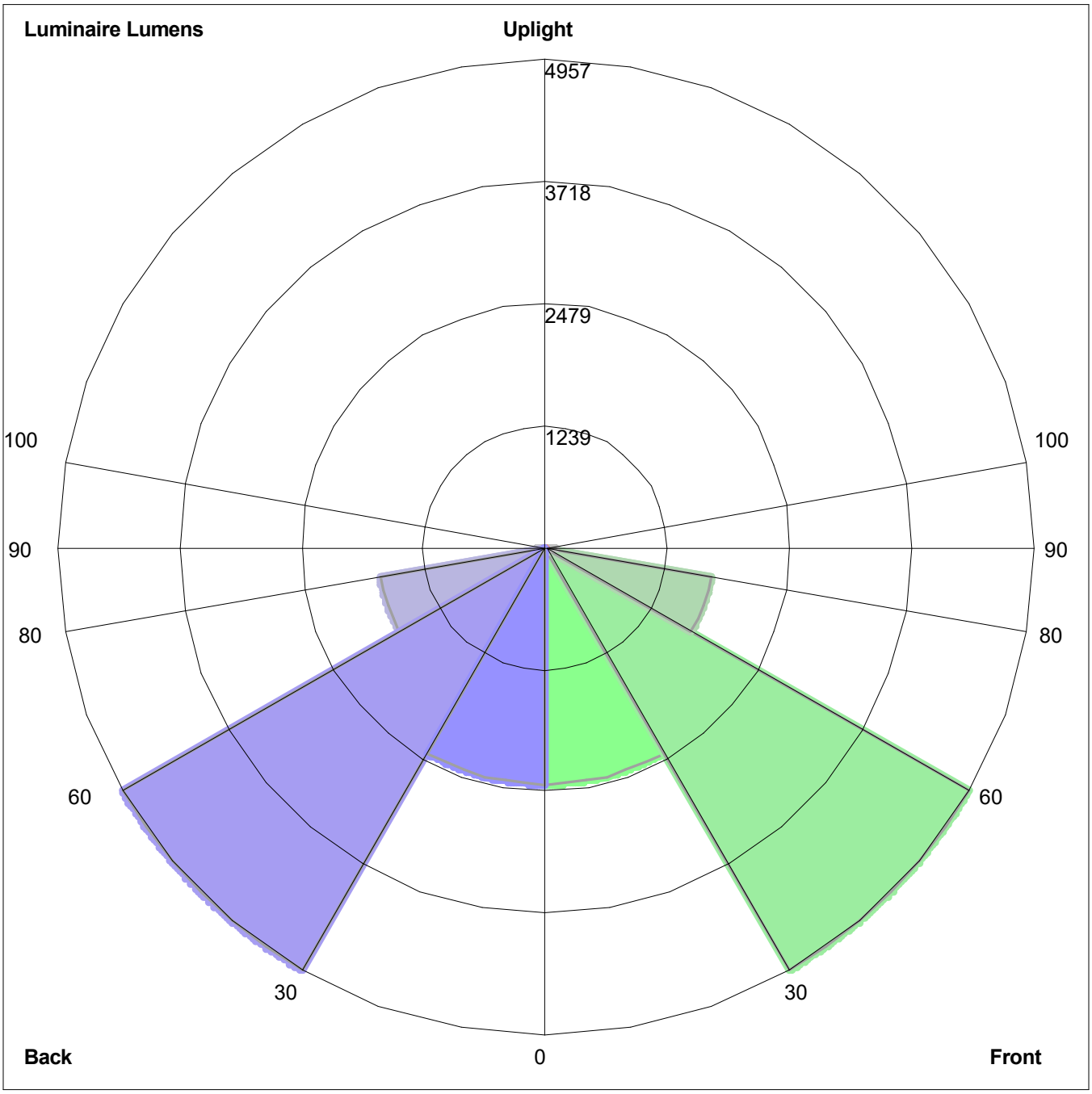
LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2408.8, Medium=4957.2, High=1706.6, Very High=100.6
Back: Low=2408.8, Medium=4957.2, High=1706.6, Very High=100.6
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G2

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