IES ROAD REPORT
PHOTOMETRIC FILENAME : CRUS_SM-SC-VHO-30.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12150
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 08/27/20
[TESTDATE] 08/17/20
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] CRUS_SM-SC-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 VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	21289
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	140
Total Luminaire Watts	152
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	6894
Maximum Candela Angle	55H 2.5V
Maximum Candela (<90 Degrees Vertical)	6894
Maximum Candela Angle (<90 Degrees Vertical)	55H 2.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	587 (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)	2799.0	N.A.	13.1
FM - Front-Medium (30-60)	5756.3	N.A.	27.0
FH - Front-High (60-80)	1974.7	N.A.	9.3
FVH - Front-Very High (80-90)	114.6	N.A.	0.5
BL - Back-Low (0-30)	2799.0	N.A.	13.1
BM - Back-Medium (30-60)	5756.3	N.A.	27.0
BH - Back-High (60-80)	1974.7	N.A.	9.3
BVH - Back-Very High (80-90)	114.6	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	21289.2	N.A.	100.0
BUG Rating	B4-U0-G2		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	5	15	25	35	45	55	65	75	85
0.0	6855	6855	6855	6855	6855	6855	6855	6855	6855	6855
2.5	6852	6877	6862	6861	6863	6875	6894	6860	6875	6866
5.0	6875	6853	6865	6875	6878	6861	6885	6871	6877	6888
7.5	6860	6856	6860	6859	6858	6878	6867	6859	6874	6866
10.0	6816	6840	6847	6842	6831	6849	6832	6861	6854	6856
12.5	6814	6830	6819	6836	6815	6832	6841	6838	6825	6824
15.0	6759	6786	6778	6771	6780	6775	6795	6789	6792	6812
17.5	6728	6727	6752	6751	6740	6741	6748	6768	6742	6757
20.0	6710	6699	6682	6688	6683	6701	6708	6706	6696	6681
22.5	6628	6631	6633	6632	6623	6639	6631	6634	6647	6619
25.0	6536	6544	6545	6530	6548	6557	6571	6550	6549	6563
27.5	6470	6439	6446	6468	6461	6465	6463	6453	6468	6467
30.0	6356	6321	6347	6336	6332	6363	6347	6360	6364	6348
32.5	6194	6217	6199	6195	6219	6224	6224	6188	6207	6220
35.0	6022	6058	6041	6054	6073	6055	6055	6040	6049	6054
37.5	5864	5881	5876	5877	5877	5875	5877	5877	5866	5877
40.0	5685	5671	5692	5698	5691	5693	5688	5681	5668	5692
42.5	5474	5463	5476	5486	5490	5485	5489	5484	5477	5474
45.0	5237	5254	5269	5255	5253	5231	5236	5241	5252	5247
47.5	5015	5004	5002	5007	5008	4992	5000	5001	5001	4985
50.0	4767	4749	4747	4730	4743	4750	4733	4732	4720	4716
52.5	4469	4469	4473	4456	4454	4461	4467	4460	4425	4410
55.0	4144	4149	4151	4160	4141	4166	4162	4144	4062	4032
57.5	3814	3824	3849	3835	3850	3844	3840	3769	3709	3675
60.0	3452	3467	3500	3501	3502	3501	3449	3378	3372	3354
62.5	3068	3061	3093	3150	3141	3132	3044	3026	3031	3027
65.0	2692	2680	2703	2731	2769	2706	2670	2685	2681	2669
67.5	2317	2334	2325	2314	2345	2313	2301	2319	2317	2309
70.0	1939	1952	1949	1938	1914	1918	1933	1953	1954	1936
72.5	1563	1579	1570	1566	1530	1546	1560	1590	1571	1569
75.0	1177	1188	1198	1198	1162	1194	1208	1230	1196	1190
77.5	854	864	859	842	833	869	861	848	869	866
80.0	518	568	574	550	568	565	562	560	587	583
82.5	294	327	325	329	329	334	329	329	330	349
85.0	140	150	149	159	161	158	167	164	168	176
87.5	57	58	60	64	67	70	73	75	78	80
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles
	90
0.0	6855
2.5	6839
5.0	6881
7.5	6859
10.0	6831
12.5	6796
15.0	6802
17.5	6737
20.0	6696
22.5	6603
25.0	6527
27.5	6460

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CANDELA TABULATION - (Cont.)

30.0	6325
32.5	6197
35.0	6021
37.5	5880
40.0	5680
42.5	5485
45.0	5232
47.5	4980
50.0	4737
52.5	4387
55.0	4027
57.5	3653
60.0	3350
62.5	2999
65.0	2659
67.5	2308
70.0	1924
72.5	1559
75.0	1173
77.5	834
80.0	562
82.5	329
85.0	168
87.5	79
90.0	0

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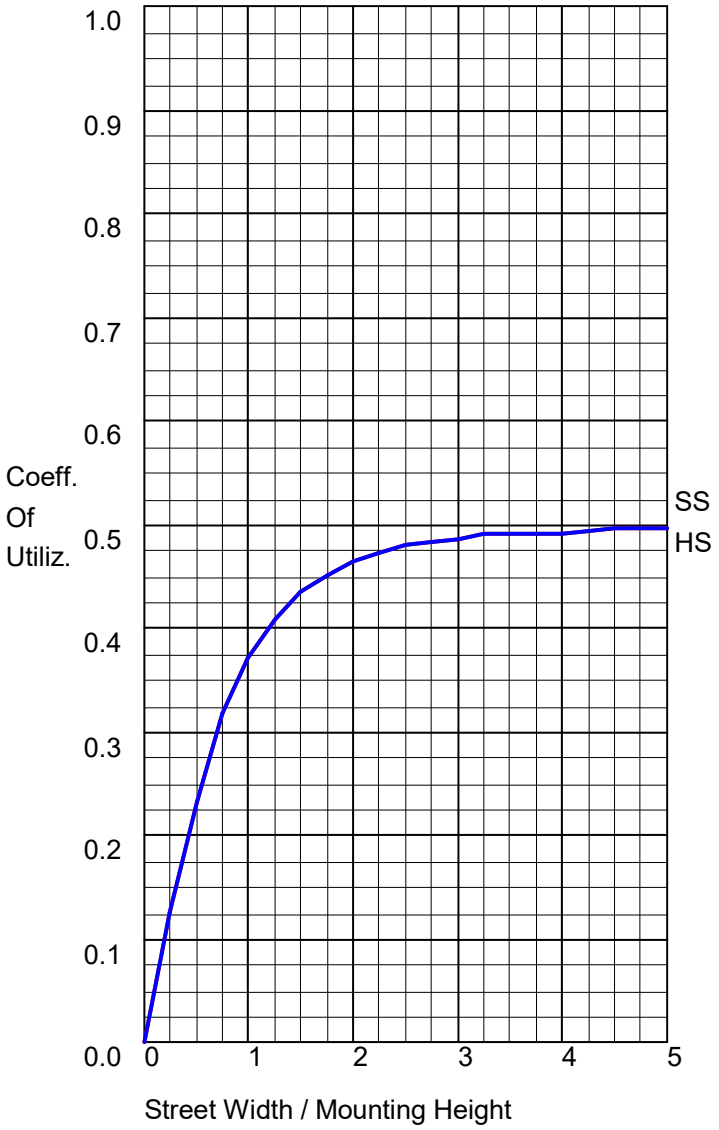
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	10644.6	50.0
Downward House Side	10644.6	50.0
Downward Total	21289.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	21289.2	100.0

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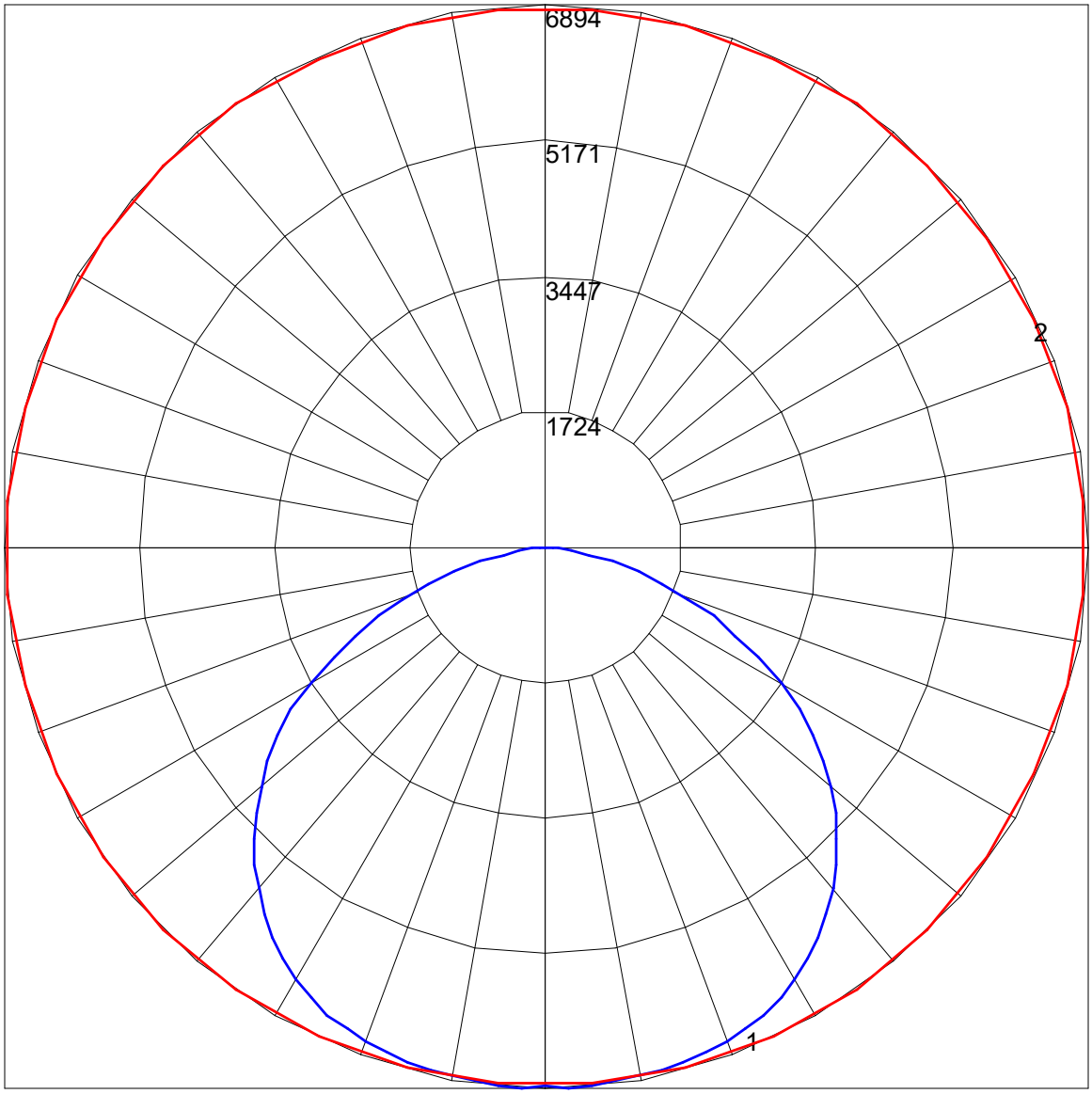
POLAR GRAPH



Maximum Candela = 6894 Located At Horizontal Angle = 55, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (55 - 235) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

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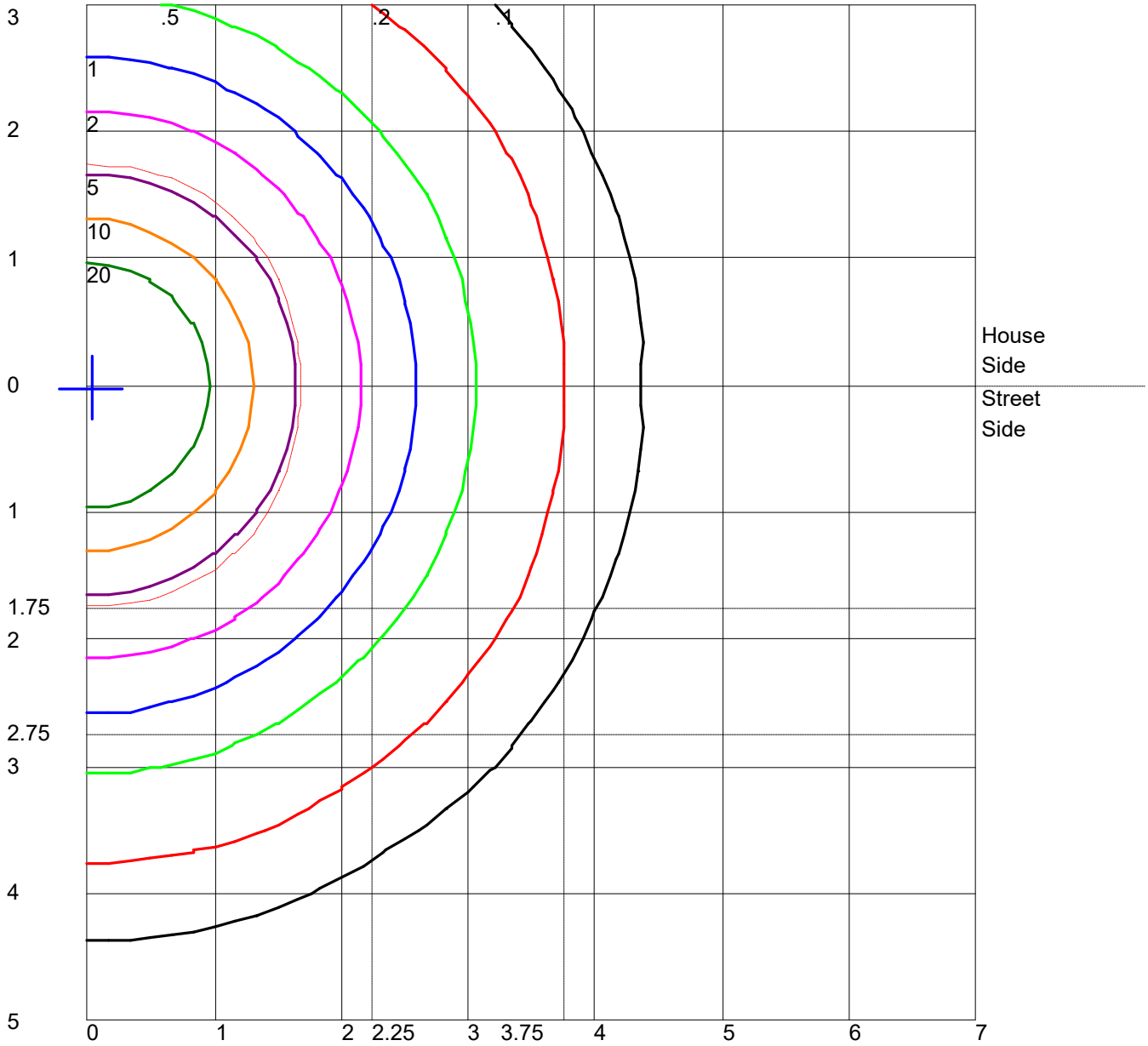
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



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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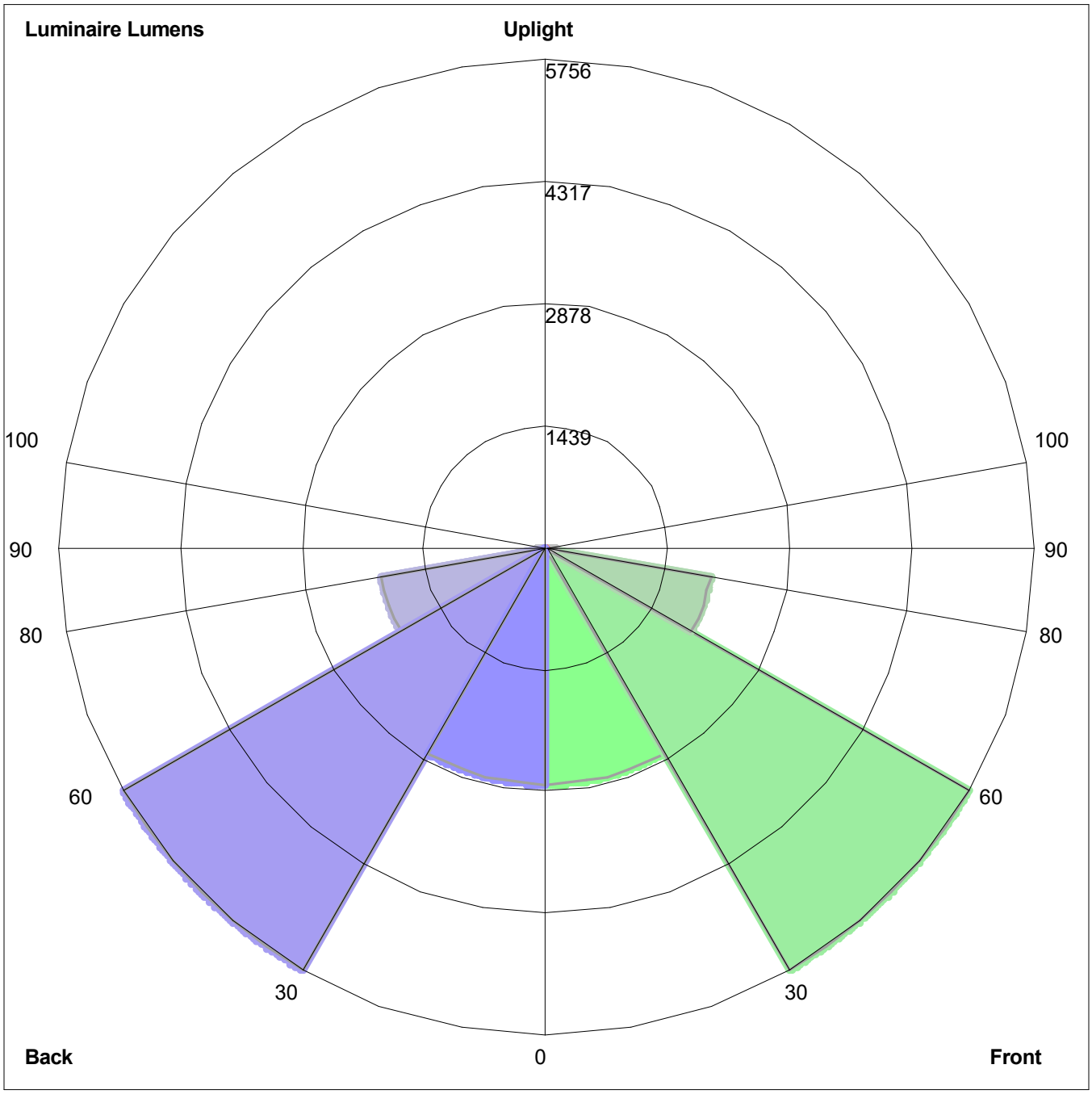
LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low= 2799.0, Medium=5756.3, High=1974.7, Very High=114.6
Back: Low= 2799.0, Medium=5756.3, High=1974.7, Very High=114.6
Uplight: Low=0.0, High=0.0

BUG Rating : B4-U0-G2

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