IES ROAD REPORT
PHOTOMETRIC FILENAME : CRUS-SC-HO-50.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-SC-HO-50
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[_ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[_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	19071
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	153
Total Luminaire Watts	125
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	6160
Maximum Candela Angle	55H 5V
Maximum Candela (<90 Degrees Vertical)	6160
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	529 (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)	2503.9	N.A.	13.1
FM - Front-Medium (30-60)	5153.0	N.A.	27.0
FH - Front-High (60-80)	1774.1	N.A.	9.3
FVH - Front-Very High (80-90)	104.6	N.A.	0.5
BL - Back-Low (0-30)	2503.9	N.A.	13.1
BM - Back-Medium (30-60)	5153.0	N.A.	27.0
BH - Back-High (60-80)	1774.1	N.A.	9.3
BVH - Back-Very High (80-90)	104.6	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	19071.2	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	6137	6137	6137	6137	6137	6137	6137	6137	6137	6137
2.5	6134	6136	6153	6123	6140	6131	6146	6143	6159	6157
5.0	6145	6141	6134	6146	6156	6155	6160	6157	6144	6151
7.5	6141	6139	6134	6144	6134	6147	6146	6156	6138	6158
10.0	6135	6118	6116	6125	6130	6119	6117	6133	6139	6134
12.5	6105	6090	6107	6098	6118	6114	6109	6096	6121	6108
15.0	6058	6078	6071	6060	6079	6082	6083	6084	6070	6088
17.5	6048	6035	6044	6029	6038	6044	6036	6047	6031	6046
20.0	5986	5987	5992	5974	5987	5982	5997	5986	5997	5988
22.5	5948	5918	5921	5918	5923	5949	5934	5927	5935	5925
25.0	5862	5845	5857	5868	5861	5867	5855	5861	5856	5875
27.5	5762	5760	5771	5770	5774	5766	5785	5785	5772	5795
30.0	5681	5666	5668	5667	5686	5689	5669	5693	5672	5676
32.5	5559	5552	5552	5545	5546	5555	5563	5572	5556	5555
35.0	5403	5399	5410	5422	5426	5427	5427	5428	5418	5411
37.5	5240	5260	5253	5249	5274	5255	5266	5261	5262	5256
40.0	5085	5090	5092	5086	5095	5102	5086	5084	5086	5096
42.5	4893	4902	4909	4914	4915	4899	4892	4912	4903	4914
45.0	4680	4700	4696	4715	4704	4704	4693	4689	4702	4695
47.5	4472	4477	4484	4479	4479	4460	4472	4465	4475	4467
50.0	4251	4251	4260	4235	4237	4243	4238	4240	4223	4234
52.5	4002	3994	4011	3984	3992	3986	3994	3980	3954	3946
55.0	3723	3718	3733	3725	3716	3727	3723	3705	3649	3608
57.5	3426	3415	3437	3448	3442	3437	3438	3386	3325	3297
60.0	3094	3093	3132	3141	3135	3152	3091	3025	3027	3012
62.5	2742	2738	2779	2822	2832	2808	2731	2723	2716	2712
65.0	2414	2413	2423	2457	2476	2433	2400	2406	2408	2392
67.5	2082	2091	2083	2080	2097	2079	2074	2080	2076	2069
70.0	1742	1753	1749	1739	1725	1726	1740	1752	1753	1735
72.5	1409	1421	1416	1406	1378	1382	1402	1428	1420	1410
75.0	1059	1080	1082	1076	1048	1071	1081	1108	1077	1085
77.5	746	780	770	757	753	787	778	772	781	781
80.0	475	510	518	498	513	523	512	509	526	529
82.5	271	293	290	298	300	301	303	305	305	315
85.0	130	136	133	146	145	147	155	155	154	161
87.5	53	53	55	58	62	66	70	71	73	74
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles
	90
0.0	6137
2.5	6120
5.0	6112
7.5	6128
10.0	6099
12.5	6080
15.0	6065
17.5	6029
20.0	5991
22.5	5941
25.0	5860
27.5	5771

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CANDELA TABULATION - (Cont.)

30.0	5682
32.5	5556
35.0	5394
37.5	5243
40.0	5097
42.5	4917
45.0	4692
47.5	4456
50.0	4219
52.5	3944
55.0	3607
57.5	3290
60.0	2999
62.5	2699
65.0	2390
67.5	2058
70.0	1723
72.5	1400
75.0	1072
77.5	760
80.0	508
82.5	304
85.0	152
87.5	71
90.0	0

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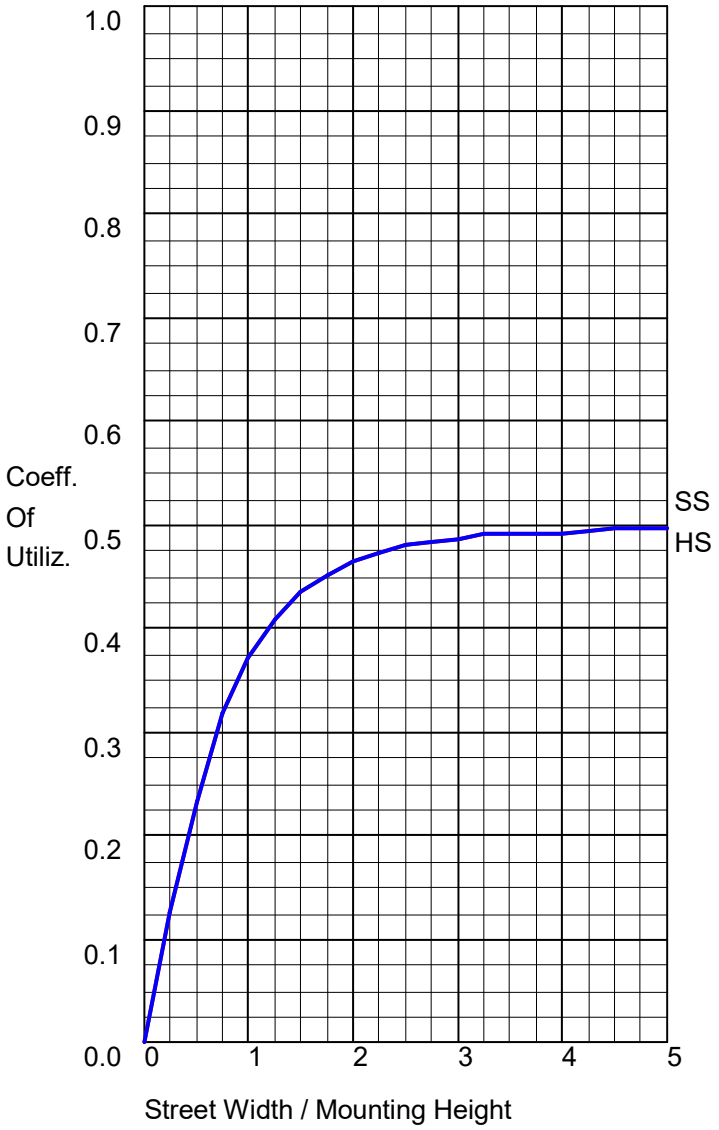
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	9535.6	50.0
Downward House Side	9535.6	50.0
Downward Total	19071.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	19071.0	100.0

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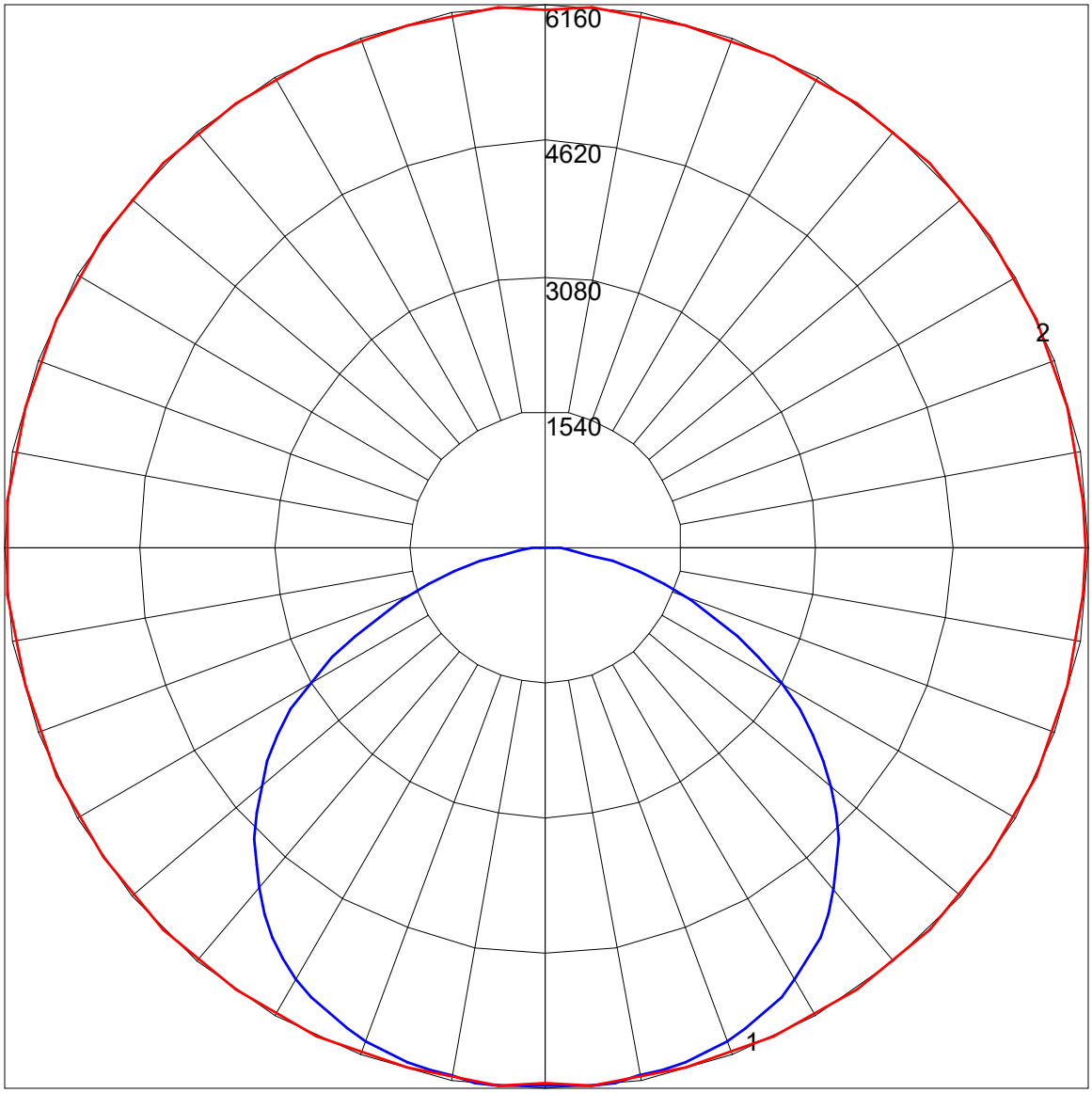
POLAR GRAPH



Maximum Candela = 6160 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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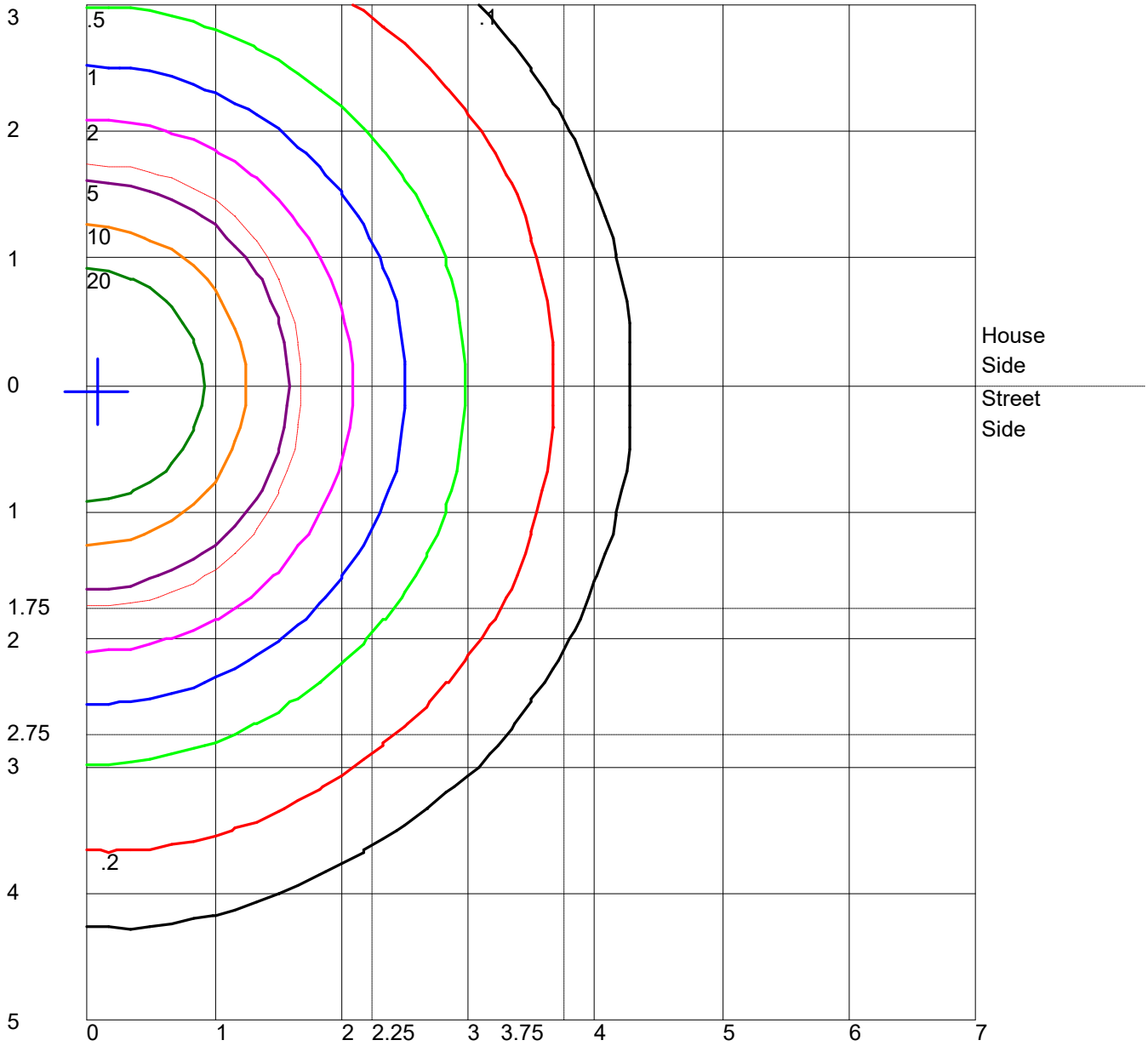
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



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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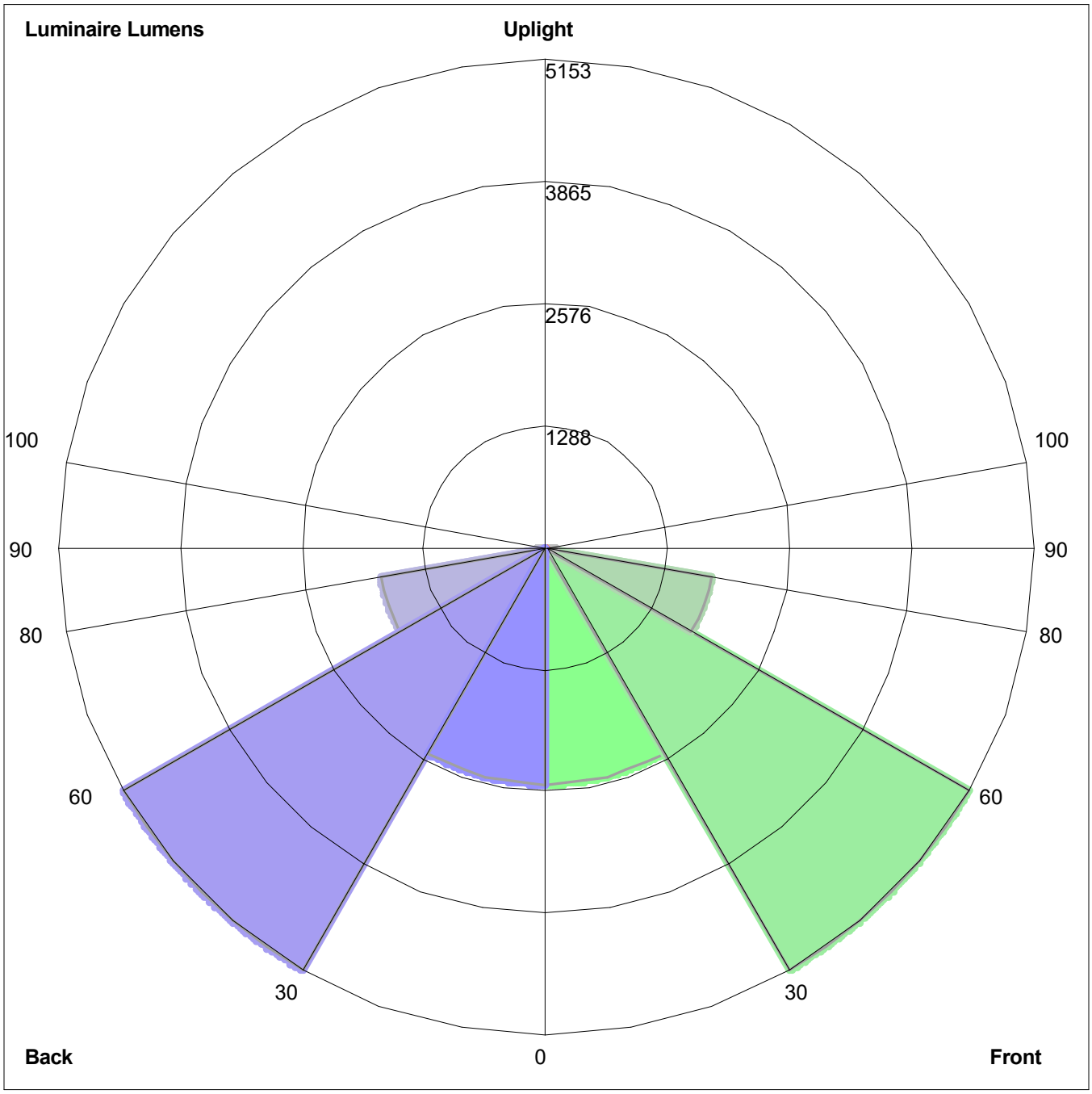
LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2503.9, Medium= 5153.0, High=1774.1, Very High=104.6
Back: Low=2503.9, Medium= 5153.0, High=1774.1, Very High=104.6
Uplight: Low=0.0, High=0.0

BUG Rating : B4-U0-G2

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