IES ROAD REPORT
PHOTOMETRIC FILENAME : CRUS-SC-VHO-50.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-SC-VHO-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	22696
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	149
Total Luminaire Watts	152
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	7350
Maximum Candela Angle	55H 2.5V
Maximum Candela (<90 Degrees Vertical)	7350
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	626 (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)	2984.0	N.A.	13.1
FM - Front-Medium (30-60)	6136.8	N.A.	27.0
FH - Front-High (60-80)	2105.2	N.A.	9.3
FVH - Front-Very High (80-90)	122.3	N.A.	0.5
BL - Back-Low (0-30)	2984.0	N.A.	13.1
BM - Back-Medium (30-60)	6136.8	N.A.	27.0
BH - Back-High (60-80)	2105.2	N.A.	9.3
BVH - Back-Very High (80-90)	122.3	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	22696.6	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	7308	7308	7308	7308	7308	7308	7308	7308	7308	7308
2.5	7305	7332	7316	7315	7317	7329	7350	7313	7329	7320
5.0	7329	7306	7319	7329	7333	7314	7340	7325	7332	7343
7.5	7313	7309	7313	7312	7311	7333	7321	7312	7328	7320
10.0	7266	7292	7300	7294	7282	7302	7284	7314	7307	7309
12.5	7264	7281	7270	7288	7265	7284	7293	7290	7276	7275
15.0	7206	7235	7226	7219	7228	7223	7244	7238	7241	7262
17.5	7173	7172	7198	7197	7185	7187	7194	7215	7188	7204
20.0	7154	7142	7124	7130	7125	7144	7151	7149	7139	7123
22.5	7066	7069	7071	7070	7061	7078	7069	7072	7086	7057
25.0	6968	6977	6978	6962	6981	6990	7005	6983	6982	6997
27.5	6898	6865	6872	6895	6888	6892	6890	6880	6895	6894
30.0	6776	6739	6767	6755	6751	6784	6766	6780	6785	6768
32.5	6603	6628	6609	6605	6630	6635	6635	6597	6617	6631
35.0	6420	6458	6440	6454	6474	6455	6455	6439	6449	6454
37.5	6252	6270	6264	6265	6265	6263	6265	6265	6254	6265
40.0	6061	6046	6068	6075	6067	6069	6064	6057	6043	6068
42.5	5836	5824	5838	5849	5853	5848	5852	5847	5839	5836
45.0	5583	5601	5617	5602	5600	5577	5582	5587	5599	5594
47.5	5347	5335	5333	5338	5339	5322	5331	5332	5332	5315
50.0	5082	5063	5061	5043	5057	5064	5046	5045	5032	5028
52.5	4764	4764	4769	4750	4748	4756	4762	4755	4717	4702
55.0	4418	4423	4425	4435	4415	4441	4437	4418	4331	4298
57.5	4066	4077	4103	4089	4105	4098	4094	4018	3954	3918
60.0	3680	3696	3731	3732	3734	3732	3677	3601	3595	3576
62.5	3271	3263	3297	3358	3349	3339	3245	3226	3231	3227
65.0	2870	2857	2882	2911	2952	2885	2847	2862	2858	2845
67.5	2470	2488	2479	2467	2500	2466	2453	2472	2470	2462
70.0	2067	2081	2078	2066	2040	2045	2061	2082	2083	2064
72.5	1666	1683	1674	1670	1631	1648	1663	1695	1675	1673
75.0	1255	1266	1277	1277	1239	1273	1288	1311	1275	1269
77.5	910	921	916	898	888	926	918	904	926	923
80.0	552	606	612	586	606	602	599	597	626	622
82.5	313	349	347	351	351	356	351	351	352	372
85.0	149	160	159	170	172	168	178	175	179	188
87.5	61	62	64	68	71	75	78	80	83	85
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles
	90
0.0	7308
2.5	7291
5.0	7336
7.5	7312
10.0	7283
12.5	7245
15.0	7252
17.5	7182
20.0	7139
22.5	7039
25.0	6958
27.5	6887

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CANDELA TABULATION - (Cont.)

30.0	6743
32.5	6607
35.0	6419
37.5	6269
40.0	6055
42.5	5848
45.0	5578
47.5	5309
50.0	5050
52.5	4677
55.0	4293
57.5	3894
60.0	3571
62.5	3197
65.0	2835
67.5	2461
70.0	2051
72.5	1662
75.0	1250
77.5	889
80.0	599
82.5	351
85.0	179
87.5	84
90.0	0

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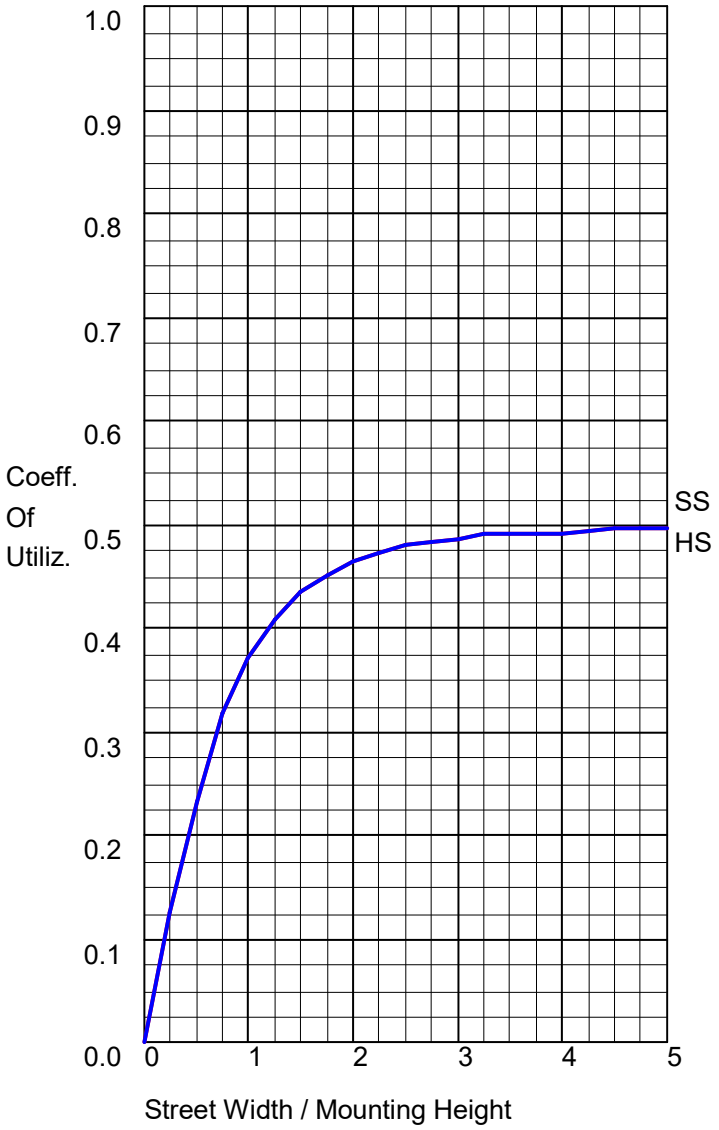
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	11348.2	50.0
Downward House Side	11348.2	50.0
Downward Total	22696.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	22696.4	100.0

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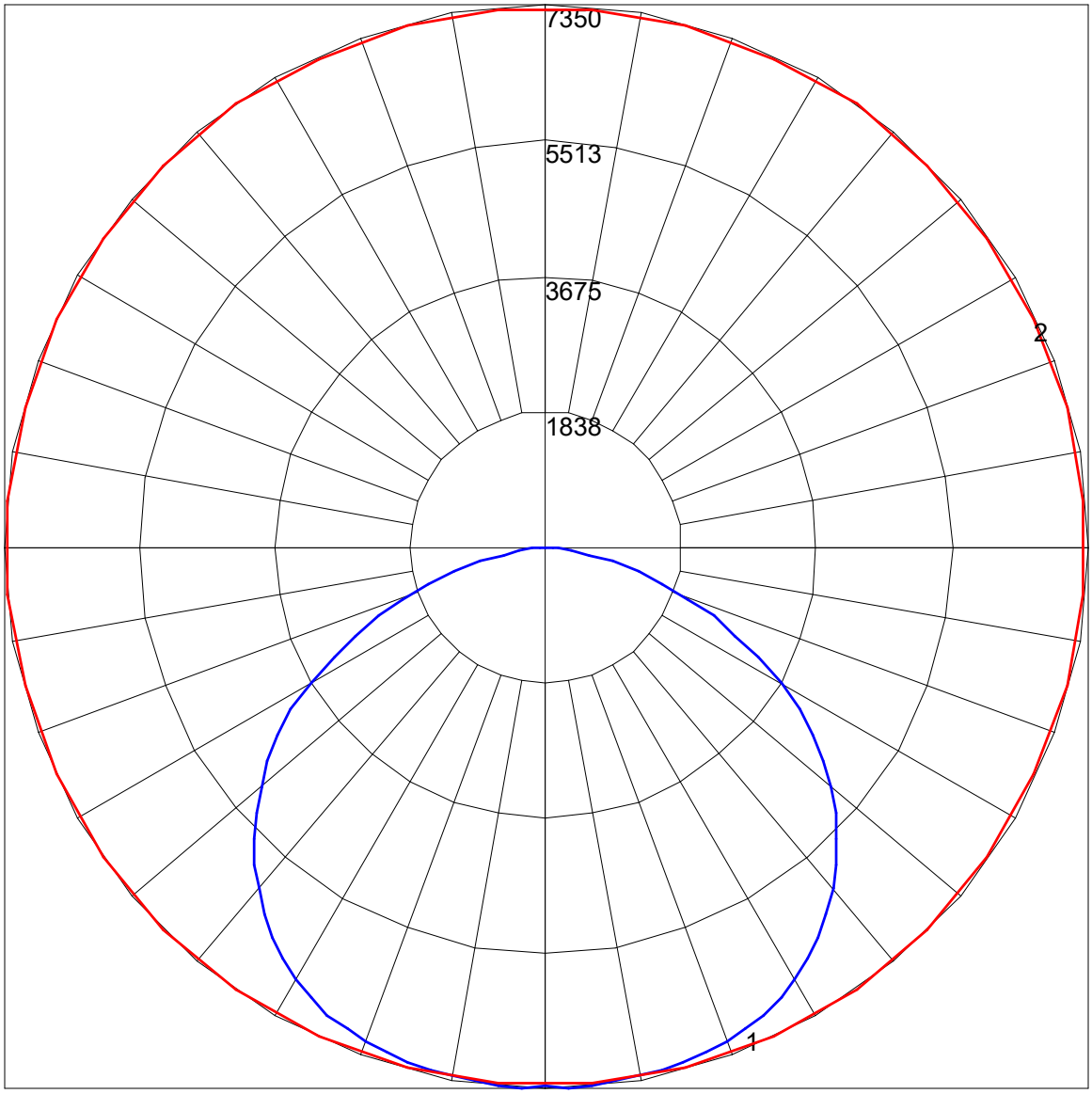
POLAR GRAPH



Maximum Candela = 7350 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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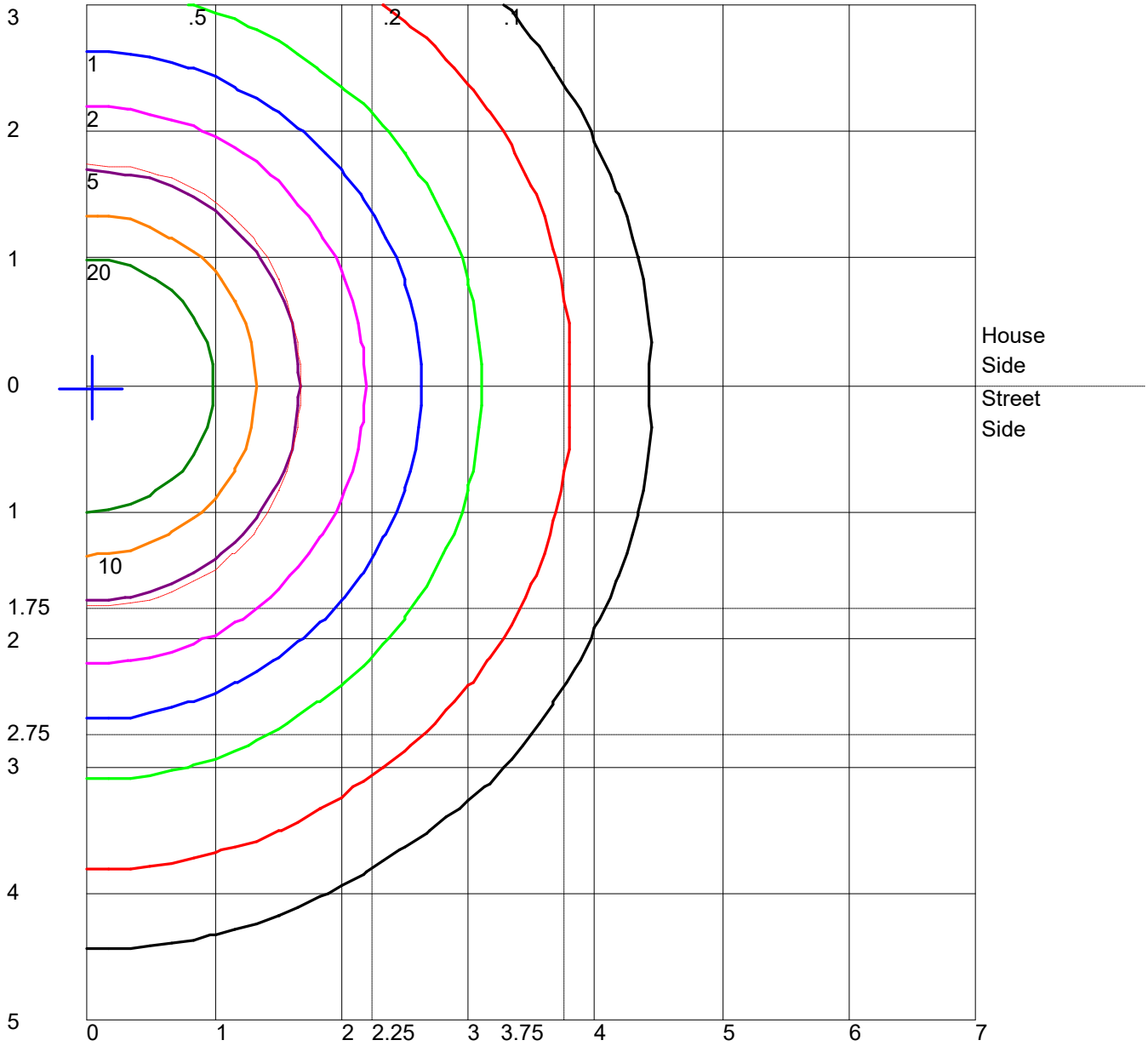
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



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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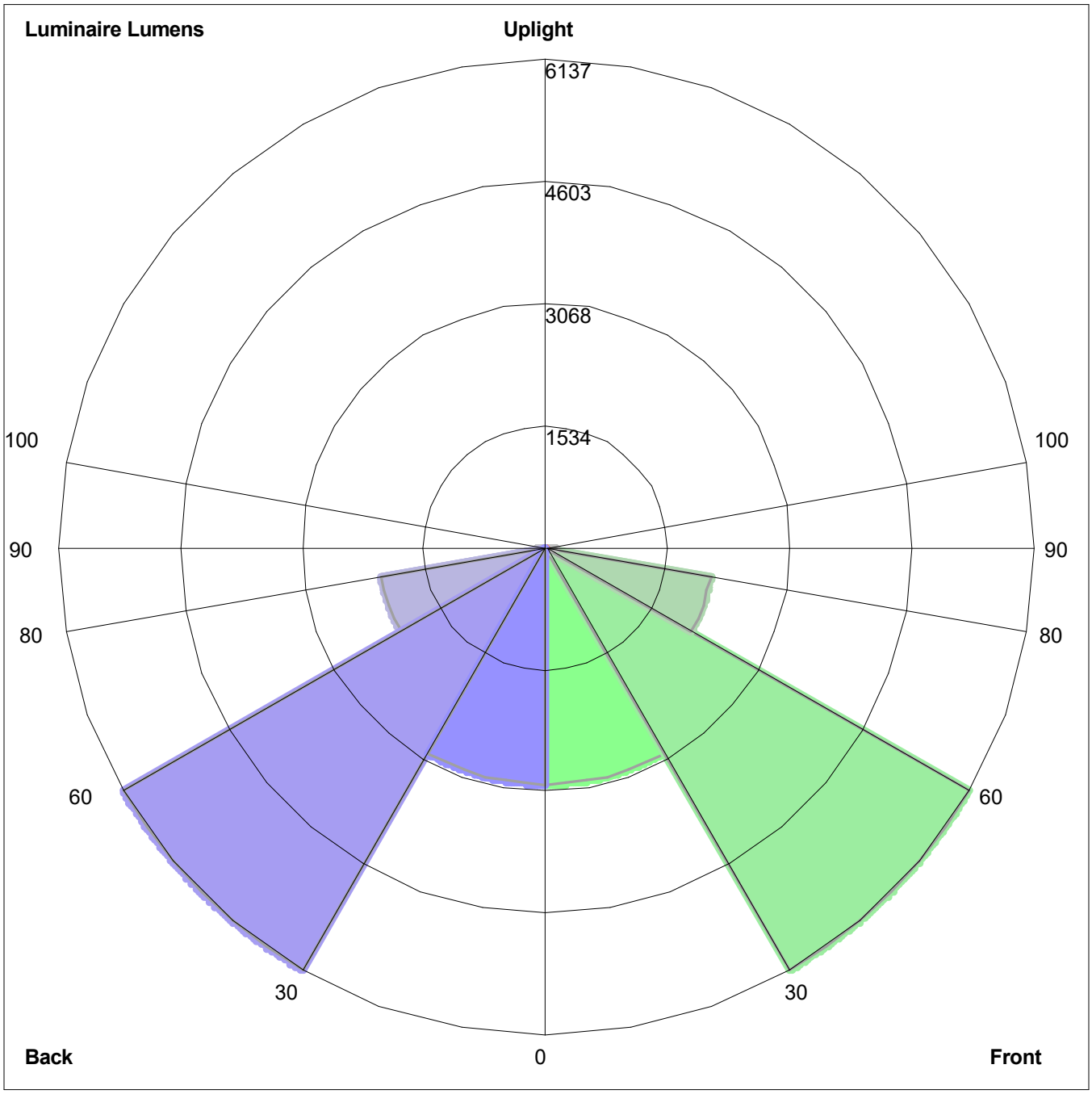
LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low= 2984.0, Medium=6136.8, High=2105.2, Very High=122.3
Back: Low= 2984.0, Medium=6136.8, High=2105.2, Very High=122.3
Uplight: Low=0.0, High=0.0

BUG Rating : B4-U0-G2

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