IES ROAD REPORT
PHOTOMETRIC FILENAME : CRUS_SM-SC-SS-50.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12152
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 08/27/20
[TESTDATE] 08/18/20
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] CRUS_SM-SC-SS-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	13980
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	150
Total Luminaire Watts	93
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4501
Maximum Candela Angle	35H 2.5V
Maximum Candela (<90 Degrees Vertical)	4501
Maximum Candela Angle (<90 Degrees Vertical)	35H 2.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	378 (2.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1827.1	N.A.	13.1
FM - Front-Medium (30-60)	3770.6	N.A.	27.0
FH - Front-High (60-80)	1320.7	N.A.	9.4
FVH - Front-Very High (80-90)	71.6	N.A.	0.5
BL - Back-Low (0-30)	1827.1	N.A.	13.1
BM - Back-Medium (30-60)	3770.6	N.A.	27.0
BH - Back-High (60-80)	1320.7	N.A.	9.4
BVH - Back-Very High (80-90)	71.6	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	13980.0	N.A.	100.0
BUG Rating	B3-U0-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	5	15	25	35	45	55	65	75	85
0.0	4476	4476	4476	4476	4476	4476	4476	4476	4476	4476
2.5	4485	4483	4485	4496	4501	4486	4486	4484	4489	4482
5.0	4486	4483	4495	4485	4494	4484	4485	4478	4488	4485
7.5	4482	4484	4491	4484	4476	4483	4481	4478	4476	4484
10.0	4471	4472	4476	4460	4475	4473	4465	4462	4467	4471
12.5	4452	4458	4460	4453	4462	4450	4445	4456	4449	4453
15.0	4432	4435	4439	4430	4437	4439	4419	4432	4427	4428
17.5	4415	4404	4404	4406	4408	4397	4391	4414	4398	4402
20.0	4377	4371	4367	4367	4384	4376	4363	4371	4368	4366
22.5	4322	4319	4328	4328	4326	4331	4333	4332	4323	4319
25.0	4264	4277	4279	4269	4288	4273	4281	4278	4275	4273
27.5	4212	4209	4220	4213	4211	4214	4217	4223	4216	4211
30.0	4136	4139	4146	4135	4142	4146	4143	4144	4148	4134
32.5	4036	4049	4046	4052	4059	4049	4058	4053	4053	4051
35.0	3930	3940	3937	3954	3953	3953	3955	3952	3948	3955
37.5	3823	3832	3826	3839	3837	3839	3843	3837	3839	3838
40.0	3707	3707	3708	3721	3721	3710	3716	3723	3719	3710
42.5	3573	3573	3578	3586	3589	3583	3580	3581	3579	3585
45.0	3425	3433	3436	3445	3434	3432	3432	3427	3430	3427
47.5	3274	3271	3271	3276	3270	3272	3272	3267	3268	3267
50.0	3109	3106	3095	3093	3100	3105	3101	3096	3096	3099
52.5	2936	2920	2918	2914	2908	2913	2921	2909	2917	2907
55.0	2726	2724	2718	2719	2716	2722	2724	2722	2723	2707
57.5	2523	2510	2513	2515	2517	2521	2518	2515	2509	2499
60.0	2288	2295	2295	2297	2304	2306	2303	2300	2293	2282
62.5	2044	2047	2069	2076	2074	2060	2063	2059	2062	2056
65.0	1795	1803	1825	1836	1833	1825	1822	1815	1811	1808
67.5	1539	1546	1569	1575	1575	1565	1571	1569	1558	1538
70.0	1268	1272	1290	1306	1310	1303	1316	1304	1288	1267
72.5	1034	1025	1024	1020	1041	1036	1047	1032	1032	1024
75.0	807	798	790	790	790	775	798	798	797	796
77.5	567	576	578	574	573	552	577	584	581	576
80.0	356	369	376	370	375	368	367	373	378	373
82.5	205	211	218	215	211	201	208	210	216	217
85.0	93	95	96	98	96	95	94	96	98	99
87.5	32	32	32	32	32	33	34	34	35	35
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles
	90
0.0	4476
2.5	4484
5.0	4484
7.5	4474
10.0	4464
12.5	4449
15.0	4449
17.5	4424
20.0	4374
22.5	4330
25.0	4280
27.5	4220

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CANDELA TABULATION - (Cont.)

30.0	4150
32.5	4060
35.0	3957
37.5	3842
40.0	3718
42.5	3586
45.0	3439
47.5	3266
50.0	3100
52.5	2916
55.0	2713
57.5	2498
60.0	2279
62.5	2048
65.0	1796
67.5	1530
70.0	1258
72.5	1020
75.0	794
77.5	569
80.0	364
82.5	214
85.0	101
87.5	35
90.0	0

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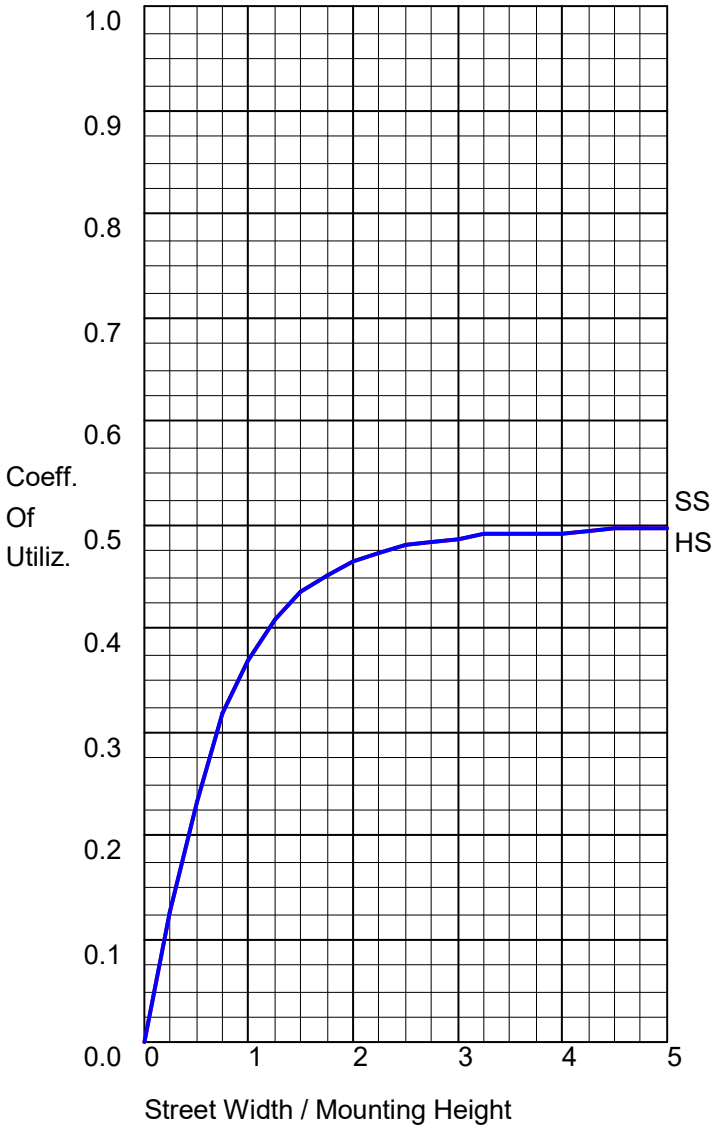
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	6989.9	50.0
Downward House Side	6989.9	50.0
Downward Total	13979.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	13979.8	100.0

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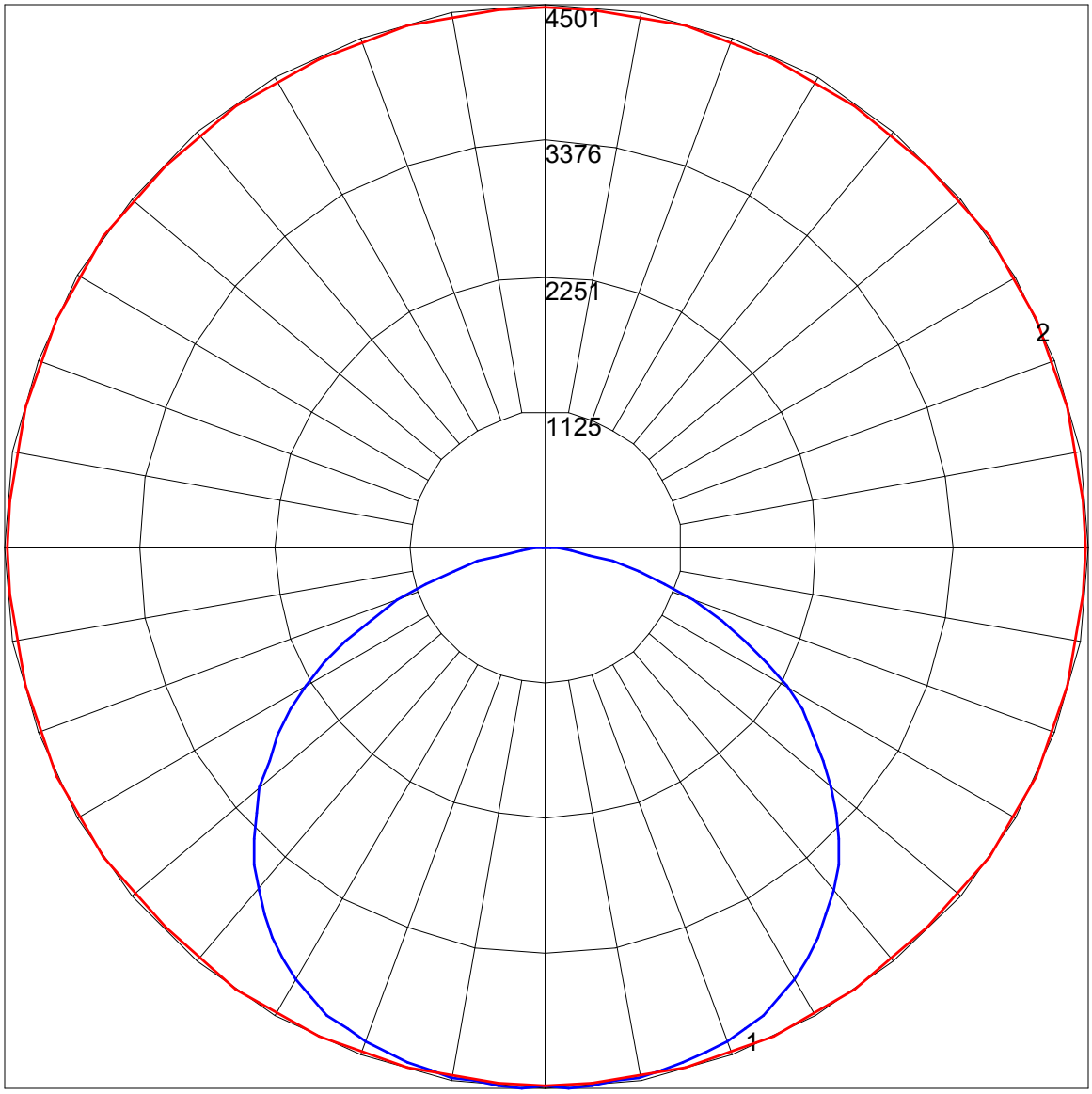
POLAR GRAPH



Maximum Candela = 4501 Located At Horizontal Angle = 35, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (35 - 215) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

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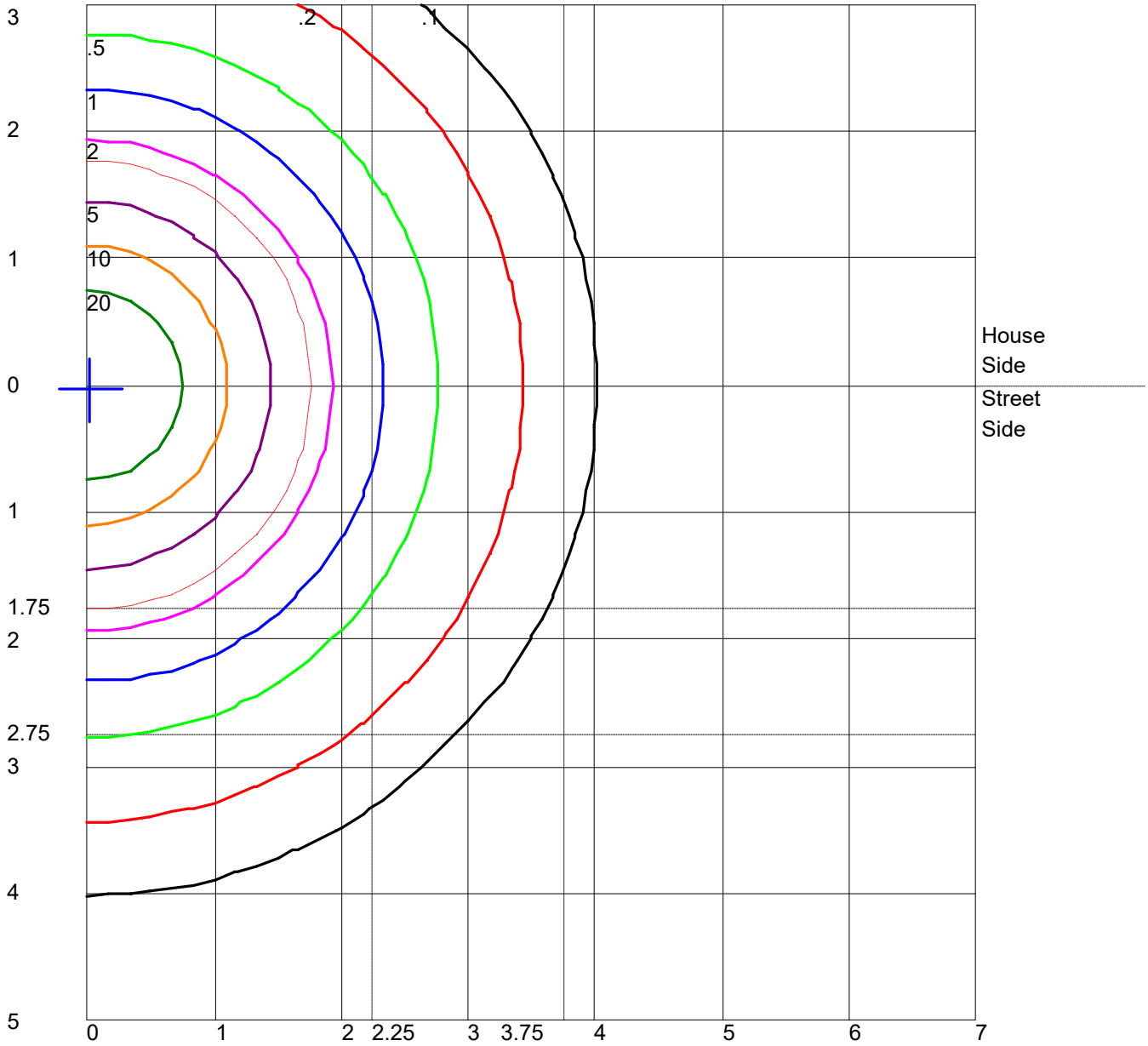
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



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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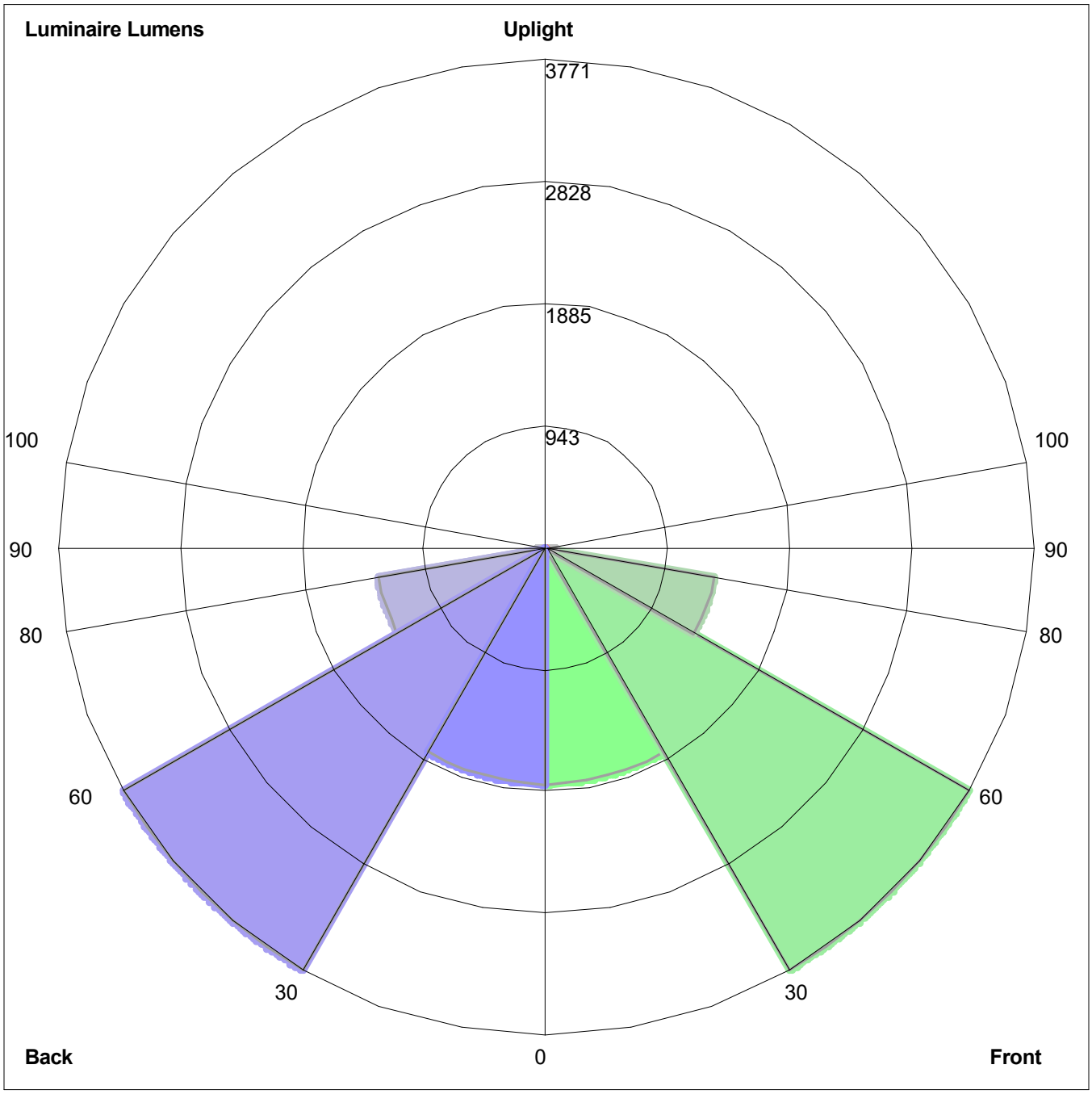
LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1827.1, Medium=3770.6, High=1320.7, Very High=71.6
Back: Low=1827.1, Medium=3770.6, High=1320.7, Very High=71.6
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G1

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