



IES ROAD REPORT

PHOTOMETRIC FILENAME : SCM-LED-13L-SC-50.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-11277

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUE DATE] 01/13/2020

[TEST DATE] 09/03/19

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] SCM-LED-13L-SC-50

[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

[OTHER] TEST PROCEDURE: IESNA LM-79-08

[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	13039
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	154
Total Luminaire Watts	84.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4348
Maximum Candela Angle	0H 2.5V
Maximum Candela (<90 Degrees Vertical)	4348
Maximum Candela Angle (<90 Degrees Vertical)	0H 2.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	313 (2.4% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

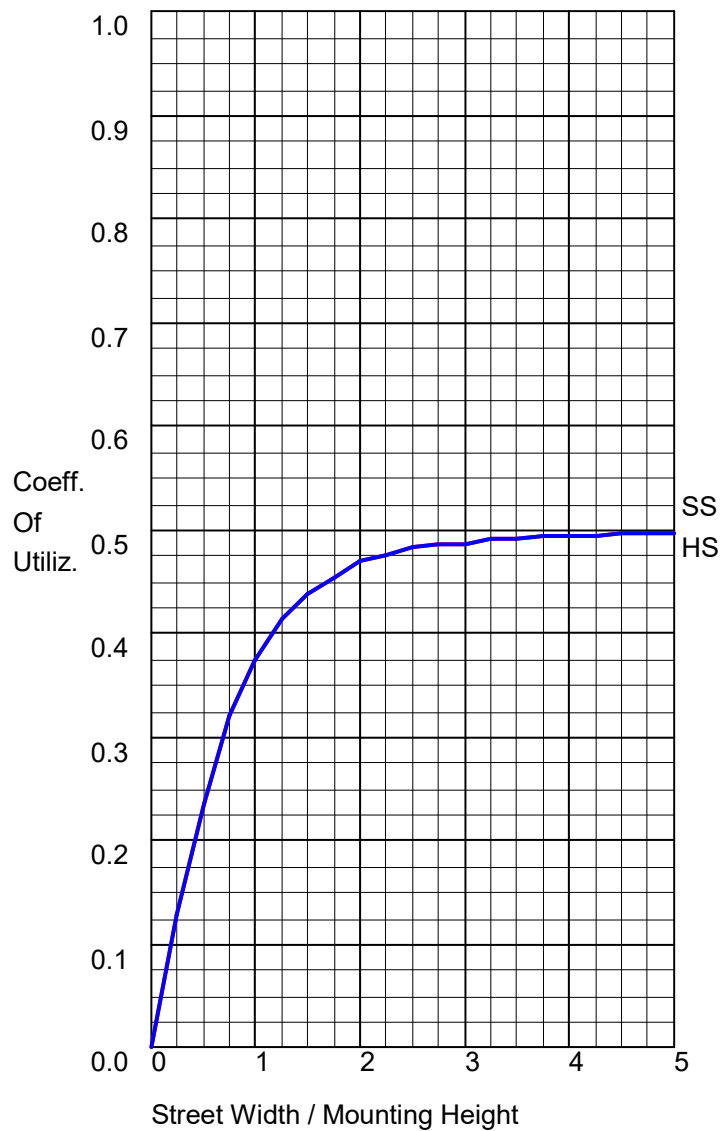
	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1739.8	N.A.	13.3
FM - Front-Medium (30-60)	3554.9	N.A.	27.3
FH - Front-High (60-80)	1167.4	N.A.	9.0
FVH - Front-Very High (80-90)	57.2	N.A.	0.4
BL - Back-Low (0-30)	1739.8	N.A.	13.3
BM - Back-Medium (30-60)	3554.9	N.A.	27.3
BH - Back-High (60-80)	1167.4	N.A.	9.0
BVH - Back-Very High (80-90)	57.2	N.A.	0.4
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	13038.6	N.A.	100.0
BUG Rating	B3-U0-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	4277	4277	4277	4277	4277
2.5	4348	4262	4273	4277	4295
5.0	4324	4276	4272	4289	4288
7.5	4312	4263	4261	4283	4299
10.0	4296	4248	4255	4261	4279
12.5	4297	4225	4233	4239	4246
15.0	4272	4228	4213	4208	4222
17.5	4221	4185	4179	4191	4213
20.0	4206	4154	4159	4152	4185
22.5	4187	4118	4110	4109	4126
25.0	4134	4062	4069	4050	4087
27.5	4057	3983	3996	3993	3996
30.0	3993	3927	3936	3927	3931
32.5	3897	3844	3834	3834	3834
35.0	3756	3727	3731	3735	3745
37.5	3657	3613	3608	3614	3634
40.0	3553	3508	3491	3490	3507
42.5	3408	3377	3372	3360	3378
45.0	3259	3227	3230	3212	3236
47.5	3099	3079	3085	3062	3050
50.0	2953	2920	2920	2909	2887
52.5	2784	2749	2744	2724	2726
55.0	2584	2557	2563	2544	2544
57.5	2388	2361	2373	2356	2351
60.0	2171	2159	2165	2152	2160
62.5	1920	1944	1941	1934	1900
65.0	1584	1665	1728	1656	1569
67.5	1292	1337	1487	1333	1276
70.0	1075	1077	1194	1064	1053
72.5	873	873	840	866	854
75.0	672	681	588	680	665
77.5	496	490	423	501	493
80.0	295	304	288	313	309
82.5	162	157	165	158	164
85.0	76	77	76	76	72
87.5	35	35	33	33	32
90.0	0	0	0	0	0

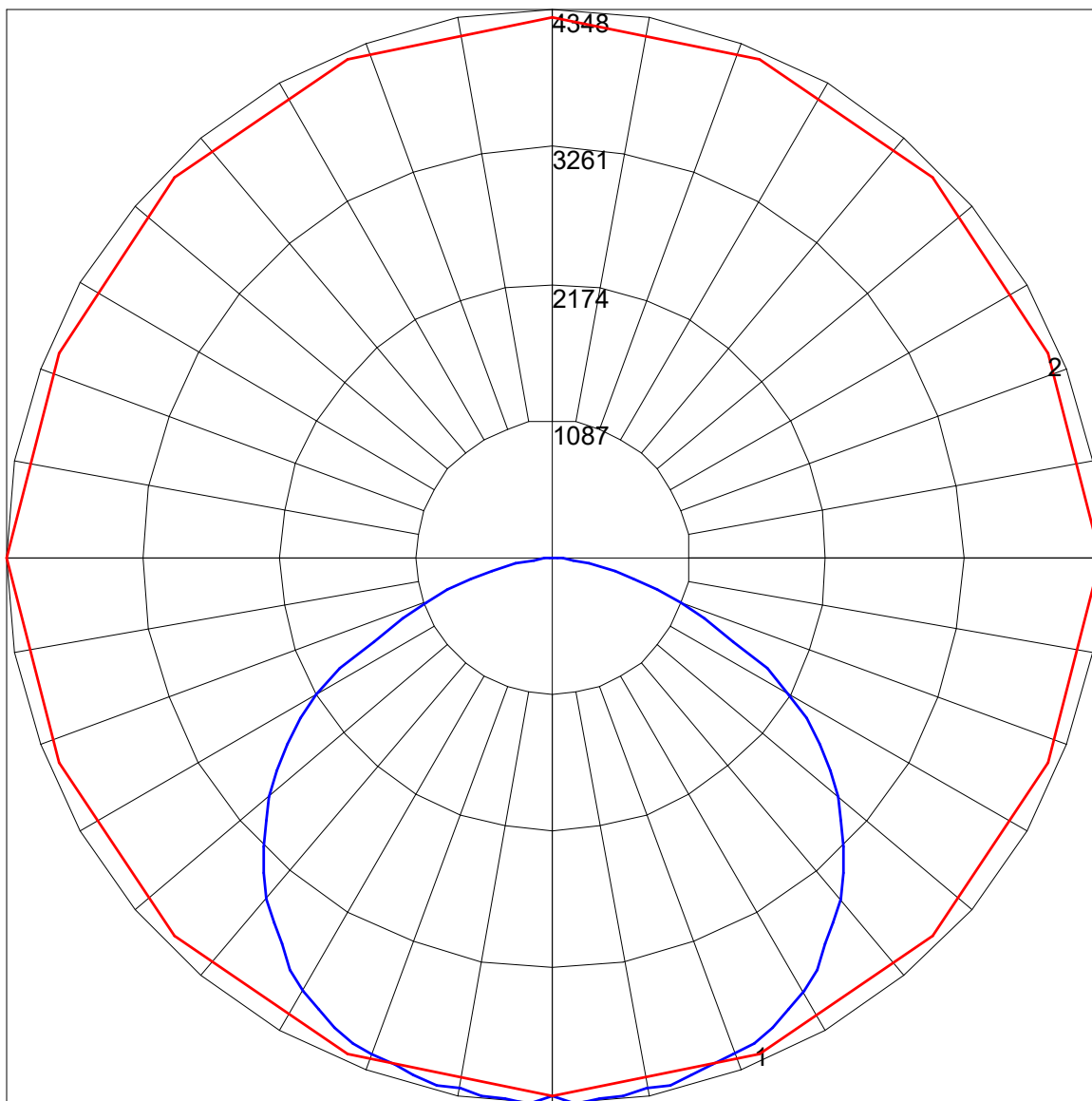
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

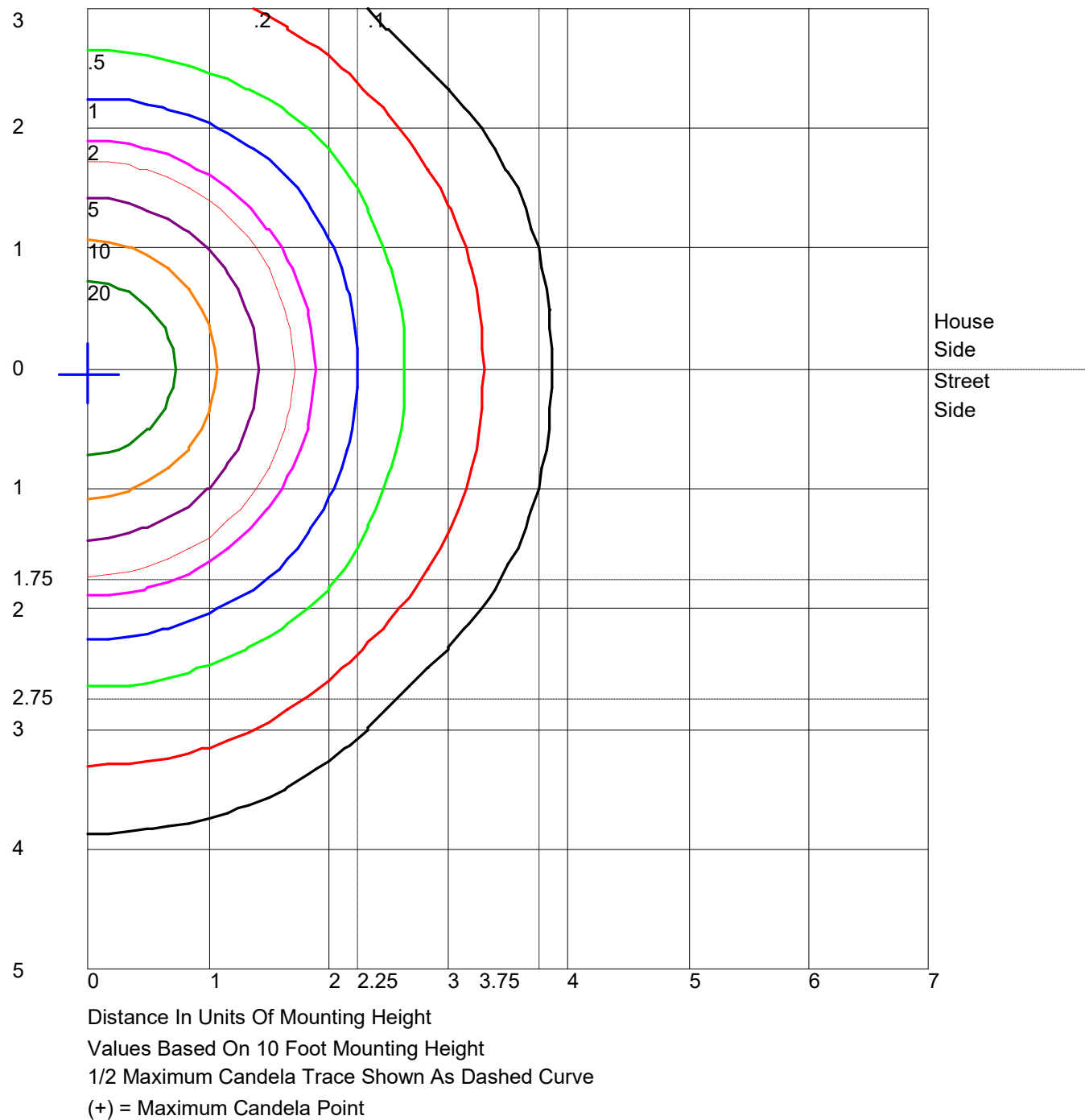
	Lumens	Percent Of Luminaire
Downward Street Side	6519.3	50.0
Downward House Side	6519.3	50.0
Downward Total	13038.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	13038.6	100.0

POLAR GRAPH

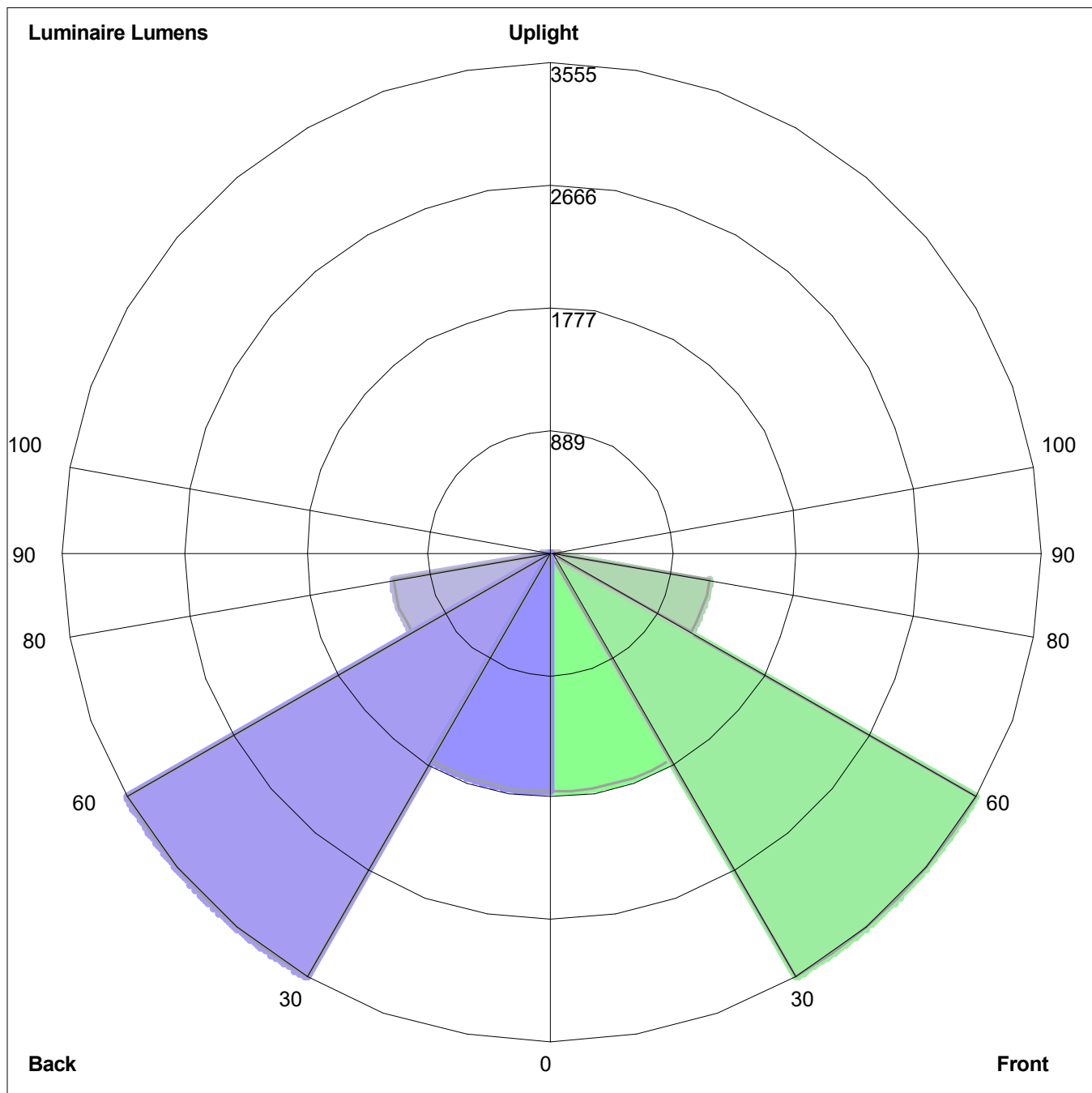


Maximum Candela = 4348 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1739.8, Medium=3554.9, High=1167.4, Very High=57.2
Back: Low=1739.8, Medium=3554.9, High=1167.4, Very High=57.2
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G1