



## IES ROAD REPORT

PHOTOMETRIC FILENAME : SCM-LED-15L-SC-40.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-11865

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUE DATE] 06/02/20

[TEST DATE] 05/27/20

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] SCM-LED-15L-SC-40

[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	15631
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	141
Total Luminaire Watts	111.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5370
Maximum Candela Angle	90H 5V
Maximum Candela (<90 Degrees Vertical)	5370
Maximum Candela Angle (<90 Degrees Vertical)	90H 5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	287 (1.8% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

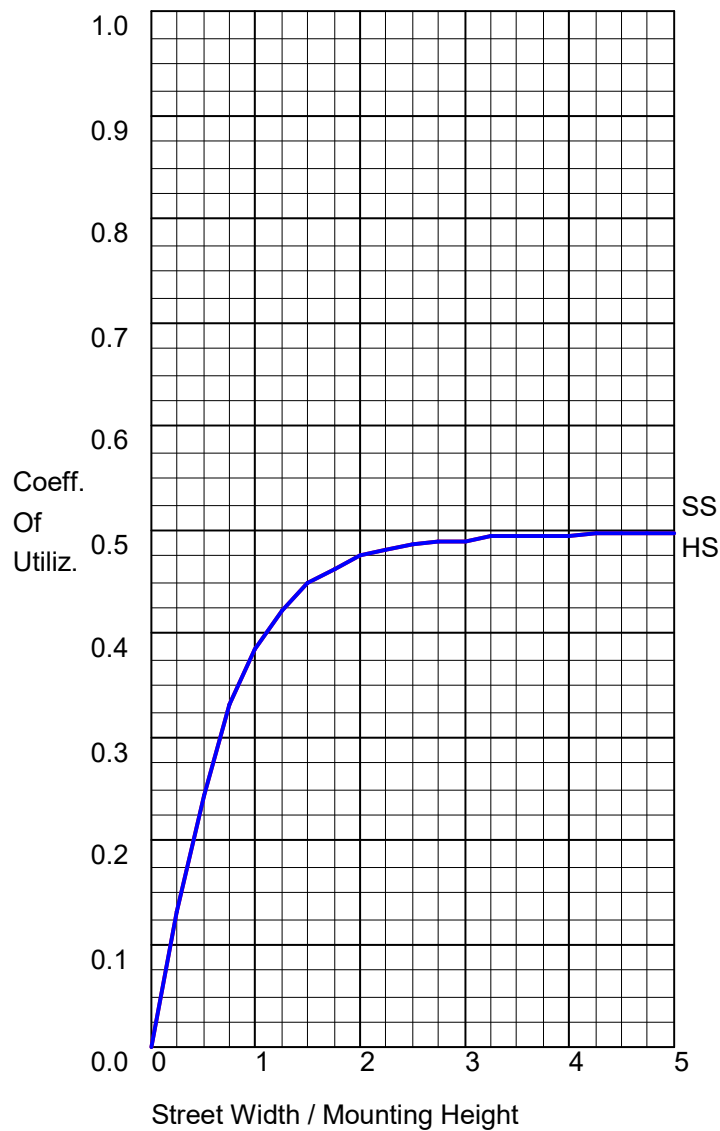
	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2163.9	N.A.	13.8
FM - Front-Medium (30-60)	4395.4	N.A.	28.1
FH - Front-High (60-80)	1197.3	N.A.	7.7
FVH - Front-Very High (80-90)	58.6	N.A.	0.4
BL - Back-Low (0-30)	2163.9	N.A.	13.8
BM - Back-Medium (30-60)	4395.4	N.A.	28.1
BH - Back-High (60-80)	1197.3	N.A.	7.7
BVH - Back-Very High (80-90)	58.6	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	15630.4	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	5305	5305	5305	5305	5305
2.5	5344	5302	5324	5292	5365
5.0	5351	5311	5309	5289	5370
7.5	5347	5300	5310	5283	5369
10.0	5343	5286	5294	5262	5362
12.5	5313	5276	5269	5253	5338
15.0	5279	5240	5245	5235	5312
17.5	5254	5210	5212	5191	5267
20.0	5214	5168	5162	5153	5226
22.5	5154	5117	5104	5111	5179
25.0	5073	5065	5055	5042	5121
27.5	5020	4980	4971	4971	5028
30.0	4924	4887	4882	4887	4944
32.5	4791	4777	4772	4784	4844
35.0	4671	4643	4649	4659	4718
37.5	4527	4498	4508	4510	4573
40.0	4368	4350	4350	4366	4413
42.5	4191	4176	4186	4201	4247
45.0	4014	4004	4004	4027	4070
47.5	3813	3810	3815	3829	3868
50.0	3609	3600	3610	3623	3650
52.5	3381	3370	3391	3386	3426
55.0	3119	3120	3135	3138	3180
57.5	2829	2831	2857	2865	2904
60.0	2439	2483	2520	2547	2573
62.5	2031	2087	2152	2181	2187
65.0	1642	1714	1787	1790	1767
67.5	1287	1349	1451	1412	1369
70.0	1007	1039	1130	1067	1034
72.5	788	794	820	807	798
75.0	596	596	555	600	596
77.5	426	428	389	431	427
80.0	283	283	266	287	285
82.5	166	160	170	163	166
85.0	92	91	88	87	90
87.5	35	37	39	38	35
90.0	0	0	0	0	0

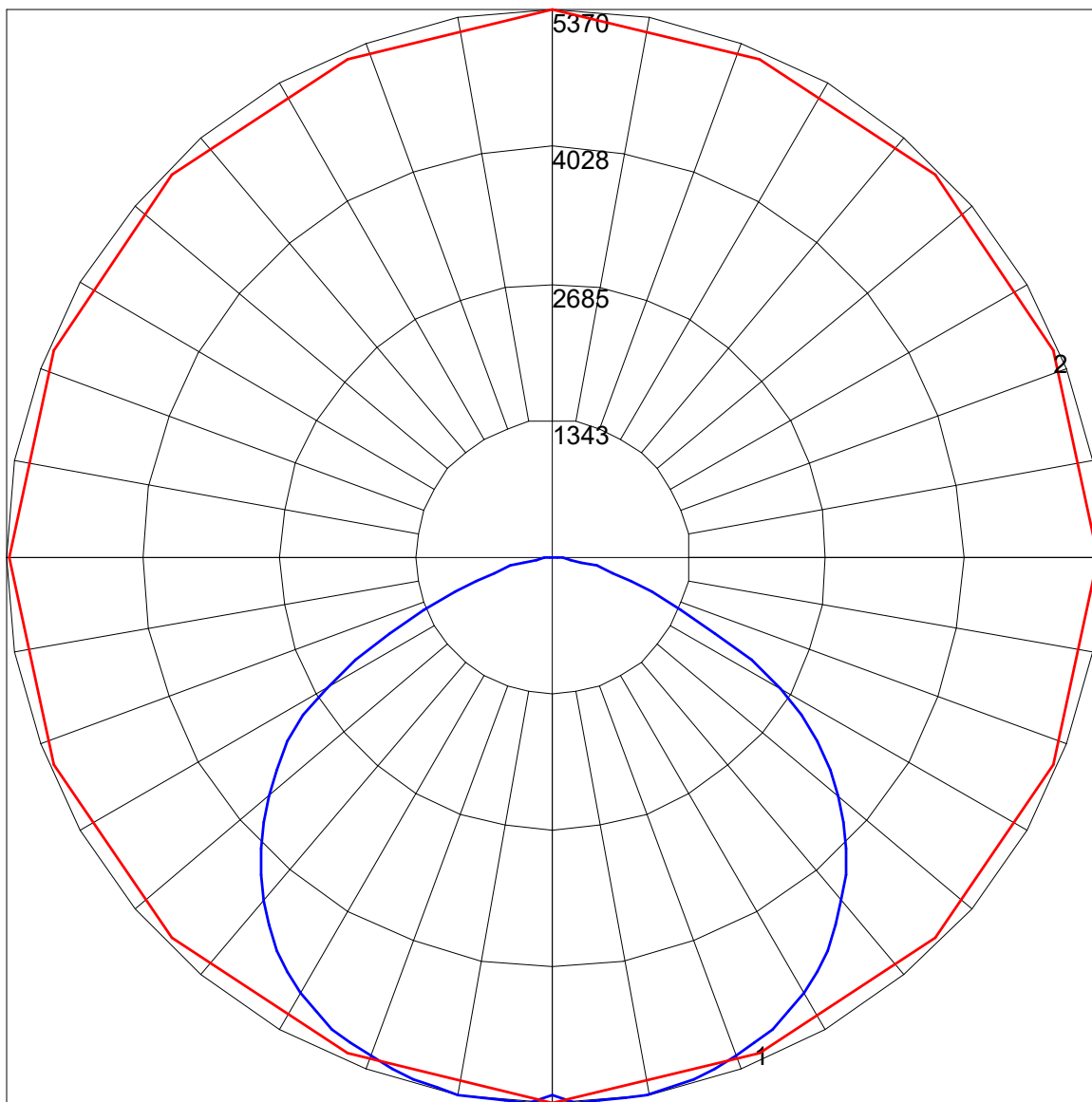
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

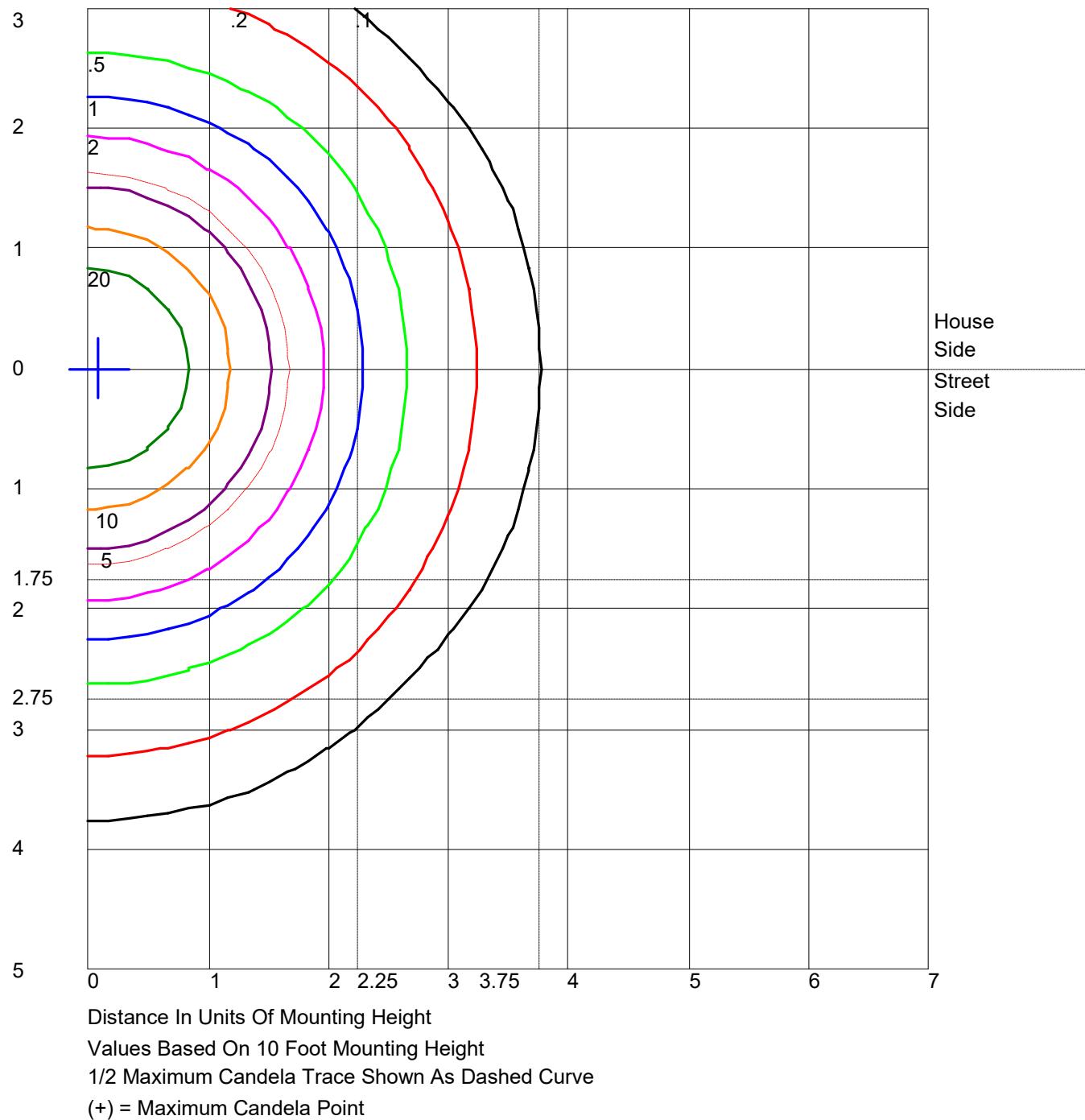
	Lumens	Percent Of Luminaire
Downward Street Side	7815.3	50.0
Downward House Side	7815.3	50.0
Downward Total	15630.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	15630.6	100.0

POLAR GRAPH

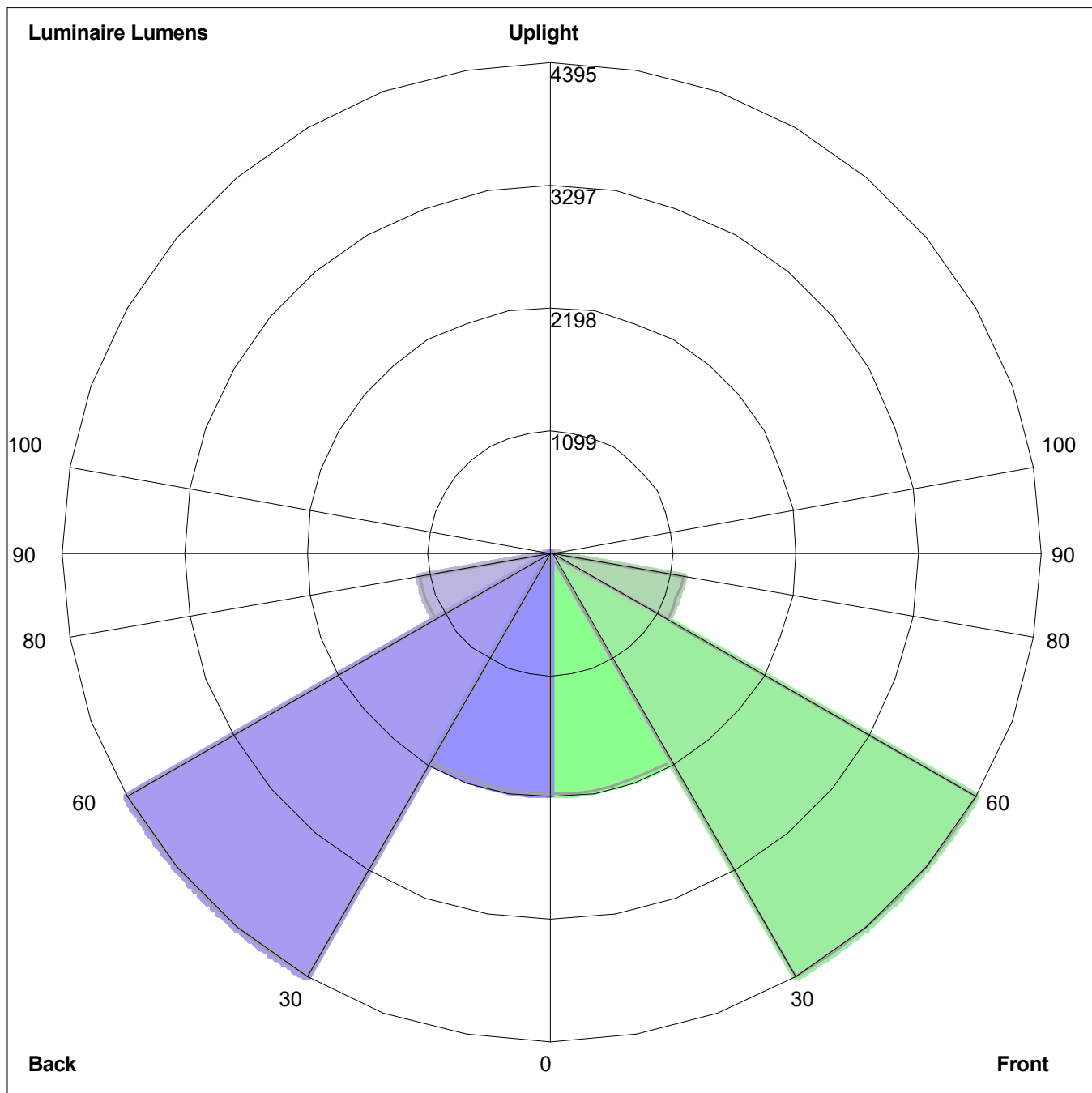


Maximum Candela = 5370 Located At Horizontal Angle = 90, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=2163.9, Medium=4395.4, High=1197.3, Very High=58.6  
Back: Low=2163.9, Medium=4395.4, High=1197.3, Very High=58.6  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G1