



IES ROAD REPORT

PHOTOMETRIC FILENAME : SCM-LED-20L-SC-40.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-11273
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 01/13/2020
[TEST DATE] 08/30/19
[MANUFACTURER] LSI INDUSTRIES, INC.
[LUMCAT] SCM-LED-20L-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	19989
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	137
Total Luminaire Watts	145.5
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	6549
Maximum Candela Angle	0H 2.5V
Maximum Candela (<90 Degrees Vertical)	6549
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	507 (2.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

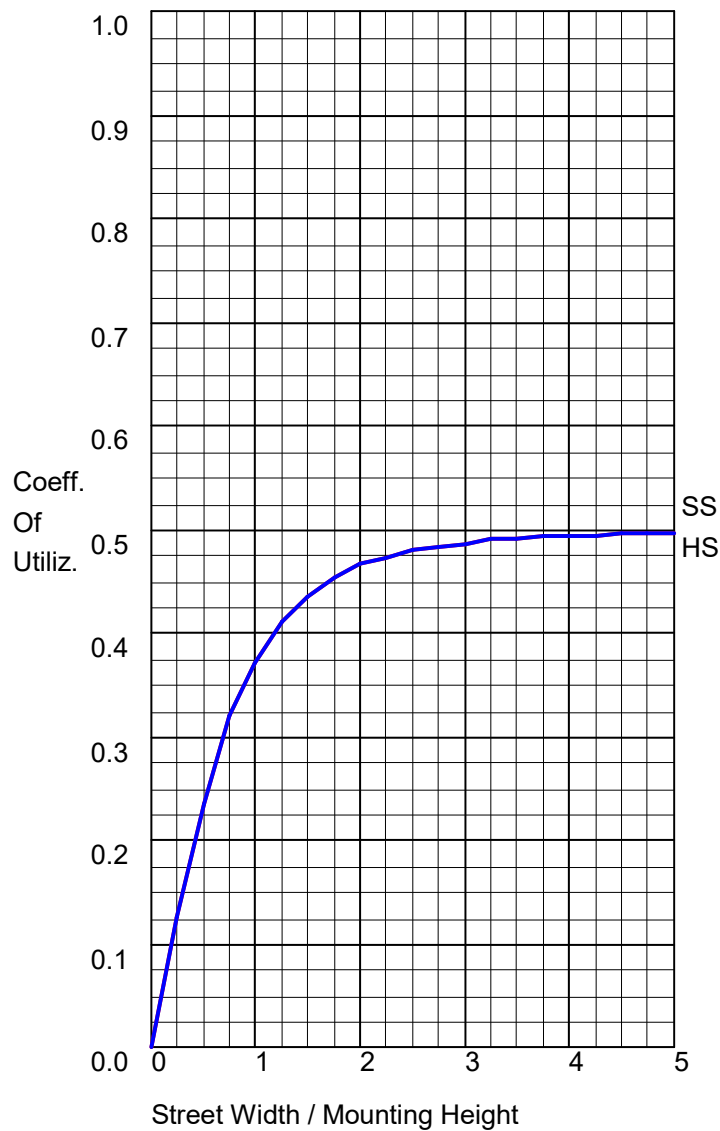
	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2643.7	N.A.	13.2
FM - Front-Medium (30-60)	5401.0	N.A.	27.0
FH - Front-High (60-80)	1862.7	N.A.	9.3
FVH - Front-Very High (80-90)	87.3	N.A.	0.4
BL - Back-Low (0-30)	2643.7	N.A.	13.2
BM - Back-Medium (30-60)	5401.0	N.A.	27.0
BH - Back-High (60-80)	1862.7	N.A.	9.3
BVH - Back-Very High (80-90)	87.3	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	19989.4	N.A.	100.0
BUG Rating	B4-U0-G2		

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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	6494	6494	6494	6494	6494
2.5	6549	6495	6488	6502	6524
5.0	6548	6506	6503	6506	6536
7.5	6547	6486	6475	6497	6505
10.0	6510	6464	6473	6490	6504
12.5	6509	6446	6445	6455	6477
15.0	6451	6413	6408	6433	6456
17.5	6438	6370	6358	6390	6412
20.0	6353	6311	6310	6311	6338
22.5	6313	6251	6235	6256	6266
25.0	6223	6174	6161	6181	6203
27.5	6127	6062	6080	6081	6113
30.0	6013	5965	5950	5958	5980
32.5	5880	5821	5812	5827	5846
35.0	5721	5666	5674	5680	5685
37.5	5542	5496	5480	5507	5514
40.0	5353	5300	5309	5324	5333
42.5	5148	5098	5112	5117	5143
45.0	4933	4889	4900	4908	4921
47.5	4707	4649	4671	4674	4687
50.0	4456	4413	4427	4426	4432
52.5	4203	4167	4178	4168	4180
55.0	3907	3882	3899	3881	3883
57.5	3629	3599	3598	3599	3582
60.0	3307	3292	3284	3283	3279
62.5	2974	2955	2960	2958	2959
65.0	2611	2613	2629	2622	2617
67.5	2248	2255	2261	2265	2255
70.0	1778	1868	1902	1870	1791
72.5	1345	1411	1544	1392	1327
75.0	1020	1040	1143	1031	1000
77.5	741	758	678	746	723
80.0	487	507	429	504	472
82.5	255	268	248	275	242
85.0	107	105	104	108	110
87.5	37	38	35	35	36
90.0	0	0	0	0	0

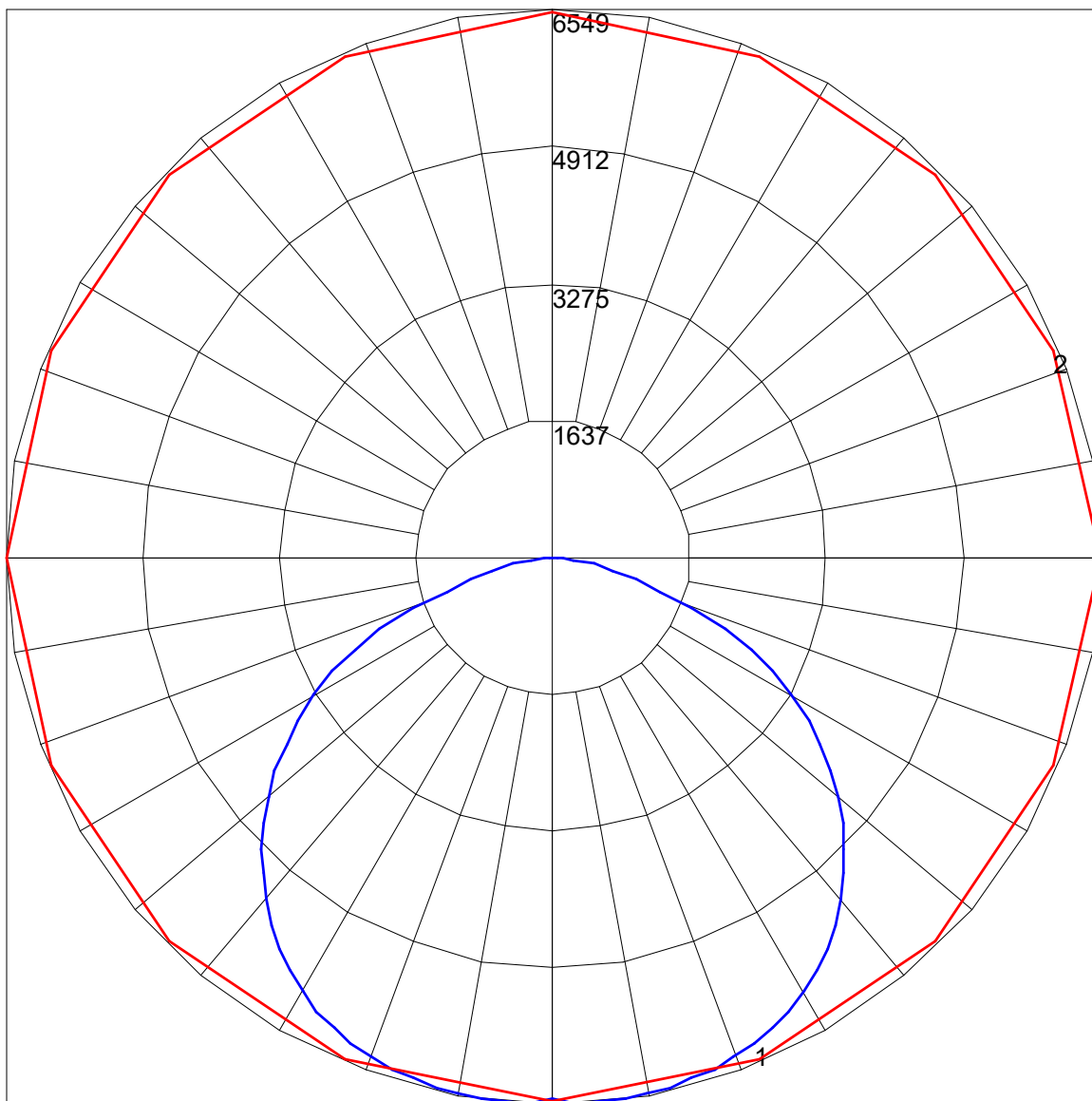
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

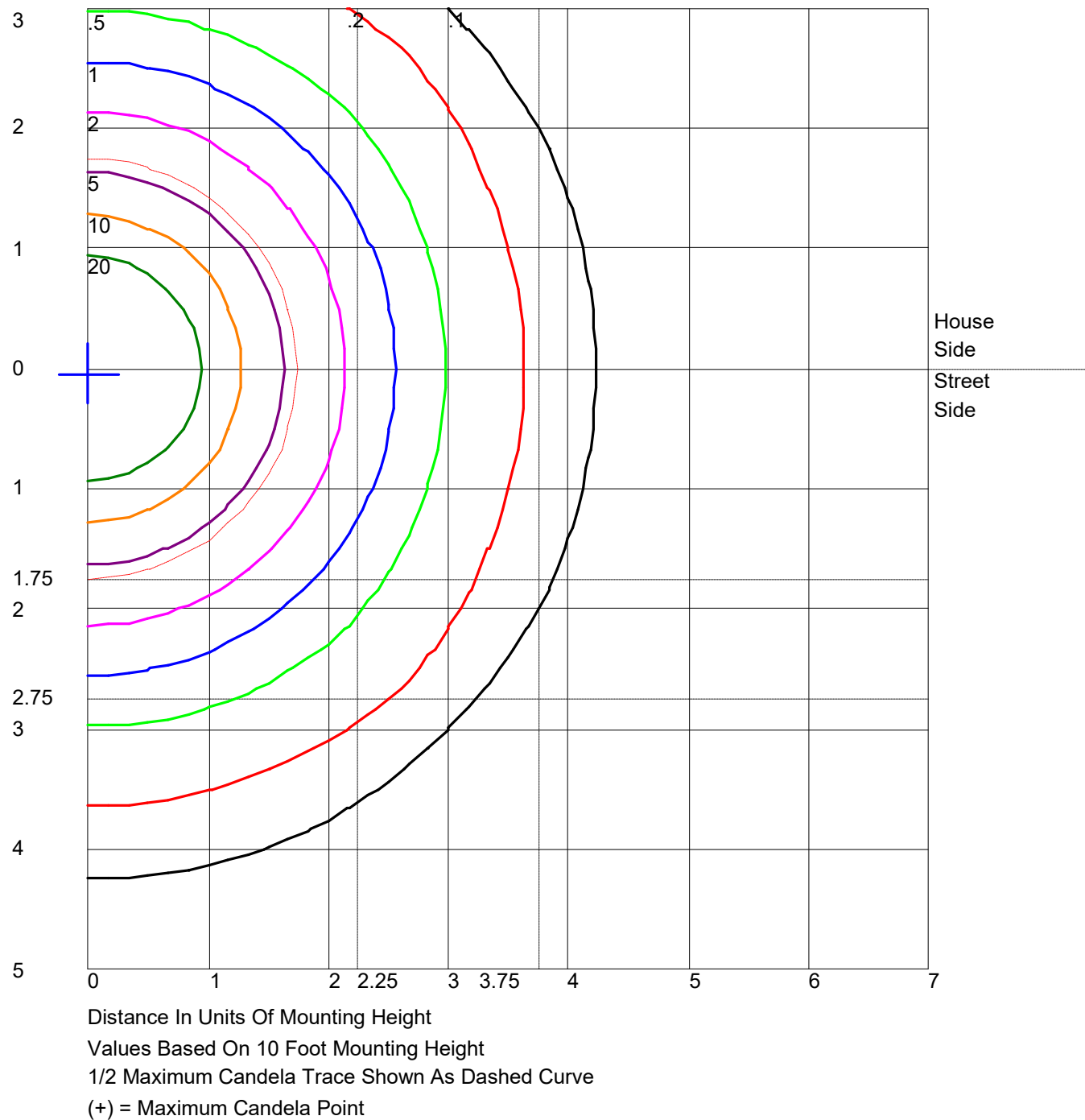
	Lumens	Percent Of Luminaire
Downward Street Side	9994.7	50.0
Downward House Side	9994.7	50.0
Downward Total	19989.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	19989.4	100.0

POLAR GRAPH

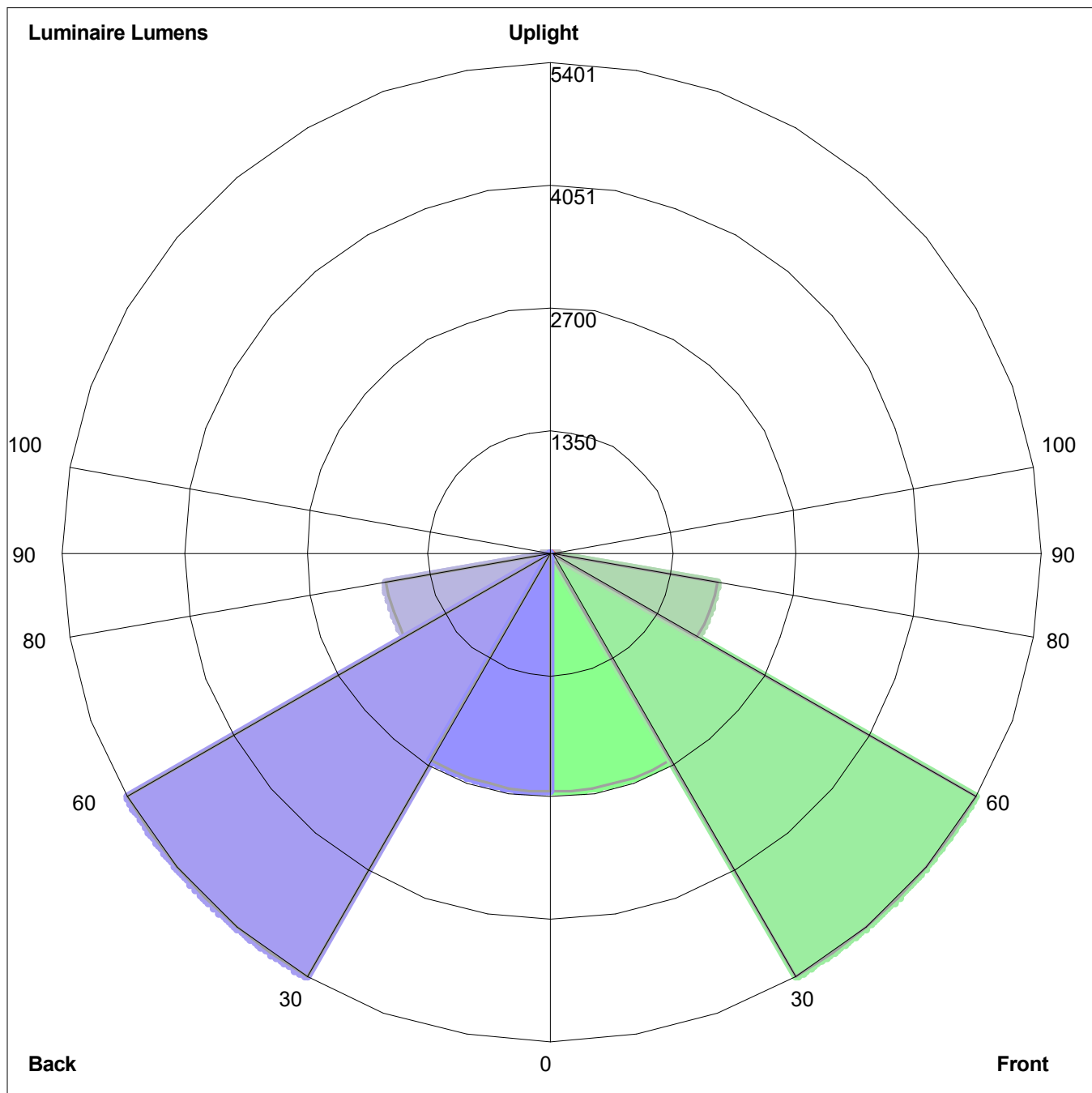


Maximum Candela = 6549 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2643.7, Medium= 5401.0, High=1862.7, Very High=87.3
Back: Low=2643.7, Medium= 5401.0, High=1862.7, Very High=87.3
Uplight: Low=0.0, High=0.0

BUG Rating : B4-U0-G2