



IES ROAD REPORT

PHOTOMETRIC FILENAME : SCM-LED-08L-SC-40.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-11283
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 01/13/2020
[TEST DATE] 09/04/19
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] SCM-LED-08L-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	7983
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	144
Total Luminaire Watts	55.4
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2653
Maximum Candela Angle	0H 10V
Maximum Candela (<90 Degrees Vertical)	2653
Maximum Candela Angle (<90 Degrees Vertical)	0H 10V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	191 (2.4% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

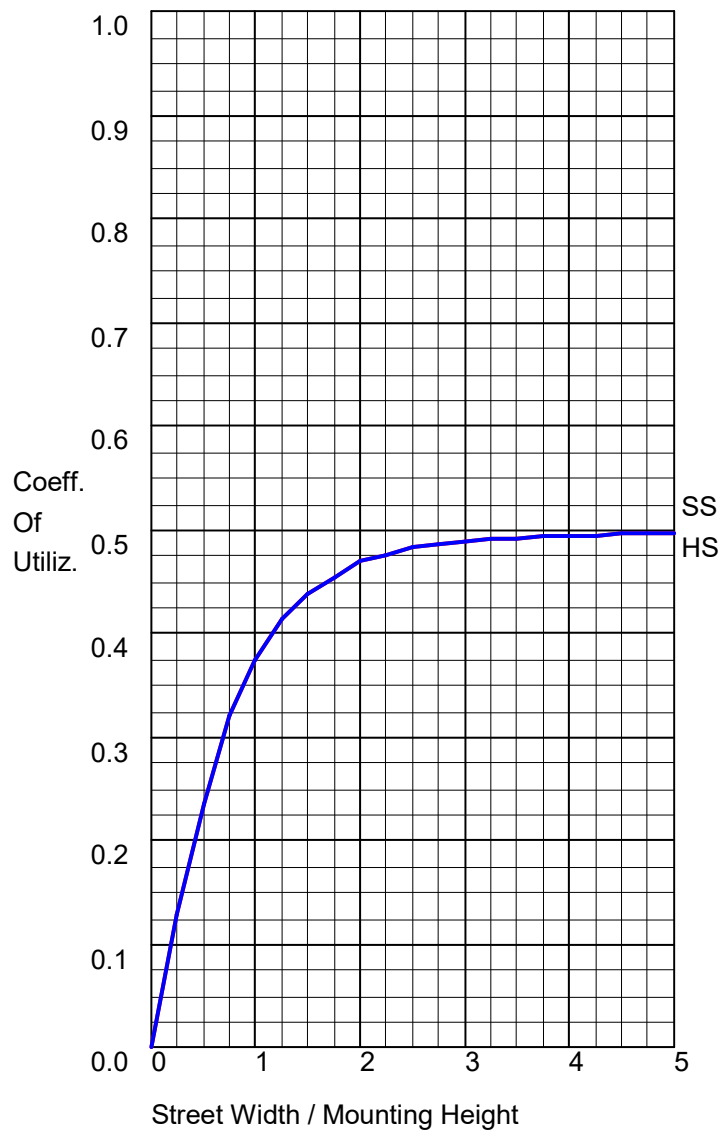
	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1065.3	N.A.	13.3
FM - Front-Medium (30-60)	2174.2	N.A.	27.2
FH - Front-High (60-80)	715.4	N.A.	9.0
FVH - Front-Very High (80-90)	36.5	N.A.	0.5
BL - Back-Low (0-30)	1065.3	N.A.	13.3
BM - Back-Medium (30-60)	2174.2	N.A.	27.2
BH - Back-High (60-80)	715.4	N.A.	9.0
BVH - Back-Very High (80-90)	36.5	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	7982.8	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	2618	2618	2618	2618	2618
2.5	2645	2621	2617	2616	2623
5.0	2645	2627	2605	2609	2635
7.5	2642	2621	2591	2620	2616
10.0	2653	2617	2604	2598	2621
12.5	2641	2607	2582	2592	2630
15.0	2611	2591	2575	2576	2609
17.5	2601	2574	2561	2566	2579
20.0	2578	2549	2532	2548	2573
22.5	2534	2527	2507	2509	2536
25.0	2514	2484	2479	2492	2493
27.5	2485	2451	2445	2444	2472
30.0	2425	2404	2389	2392	2426
32.5	2377	2339	2344	2350	2359
35.0	2308	2297	2275	2276	2301
37.5	2243	2218	2199	2218	2218
40.0	2163	2142	2129	2142	2165
42.5	2077	2060	2056	2058	2065
45.0	1981	1979	1974	1978	1981
47.5	1887	1879	1876	1877	1898
50.0	1801	1781	1782	1778	1786
52.5	1690	1676	1676	1672	1677
55.0	1585	1568	1559	1562	1571
57.5	1453	1442	1443	1441	1451
60.0	1329	1324	1316	1310	1313
62.5	1190	1187	1181	1176	1180
65.0	1052	1044	1041	1041	1024
67.5	833	883	895	874	828
70.0	624	675	751	672	636
72.5	487	501	568	505	495
75.0	380	383	366	379	378
77.5	281	282	231	276	276
80.0	191	187	157	187	190
82.5	112	109	98	108	112
85.0	48	45	50	52	52
87.5	22	21	21	23	24
90.0	0	0	0	0	0

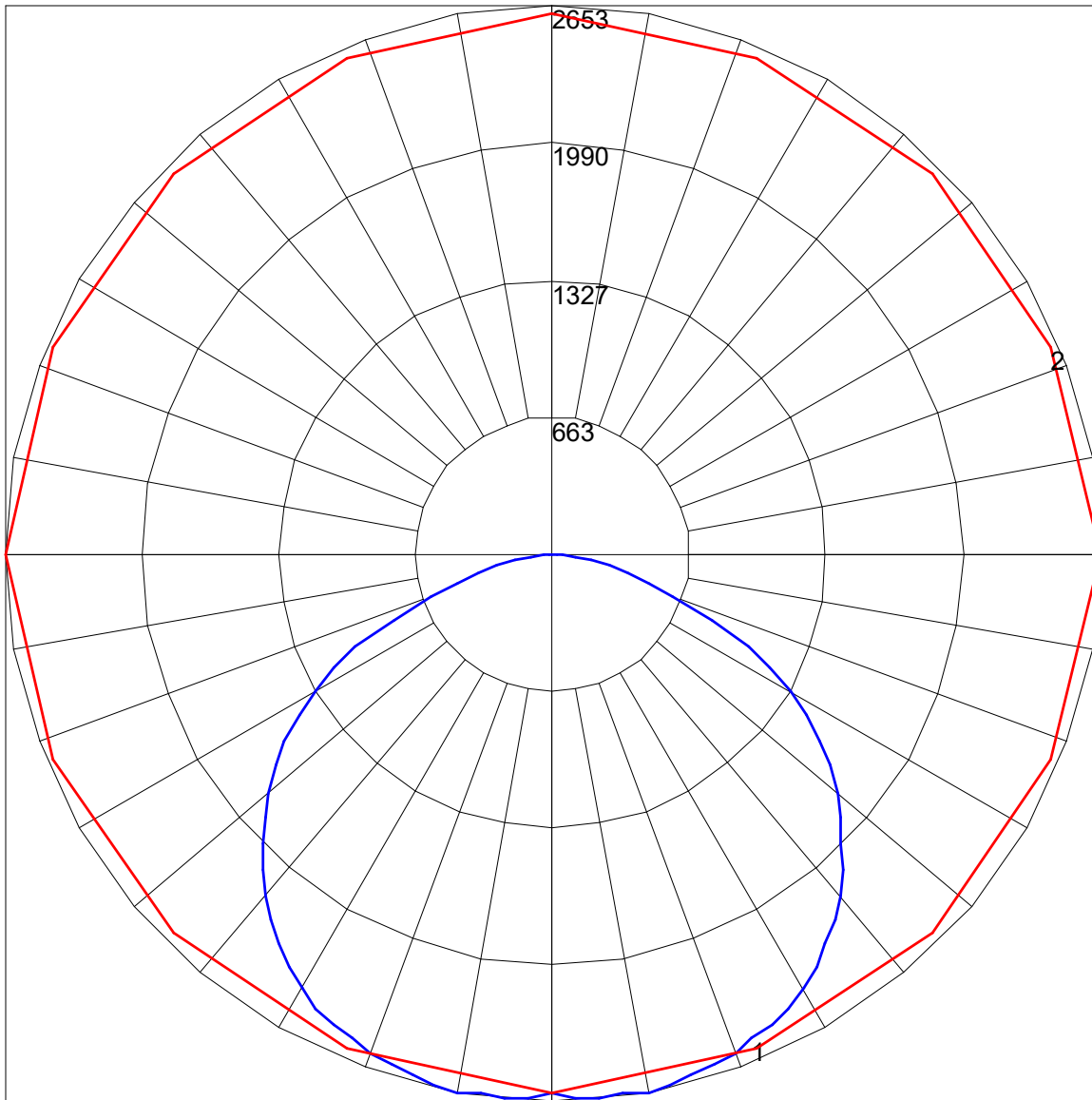
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

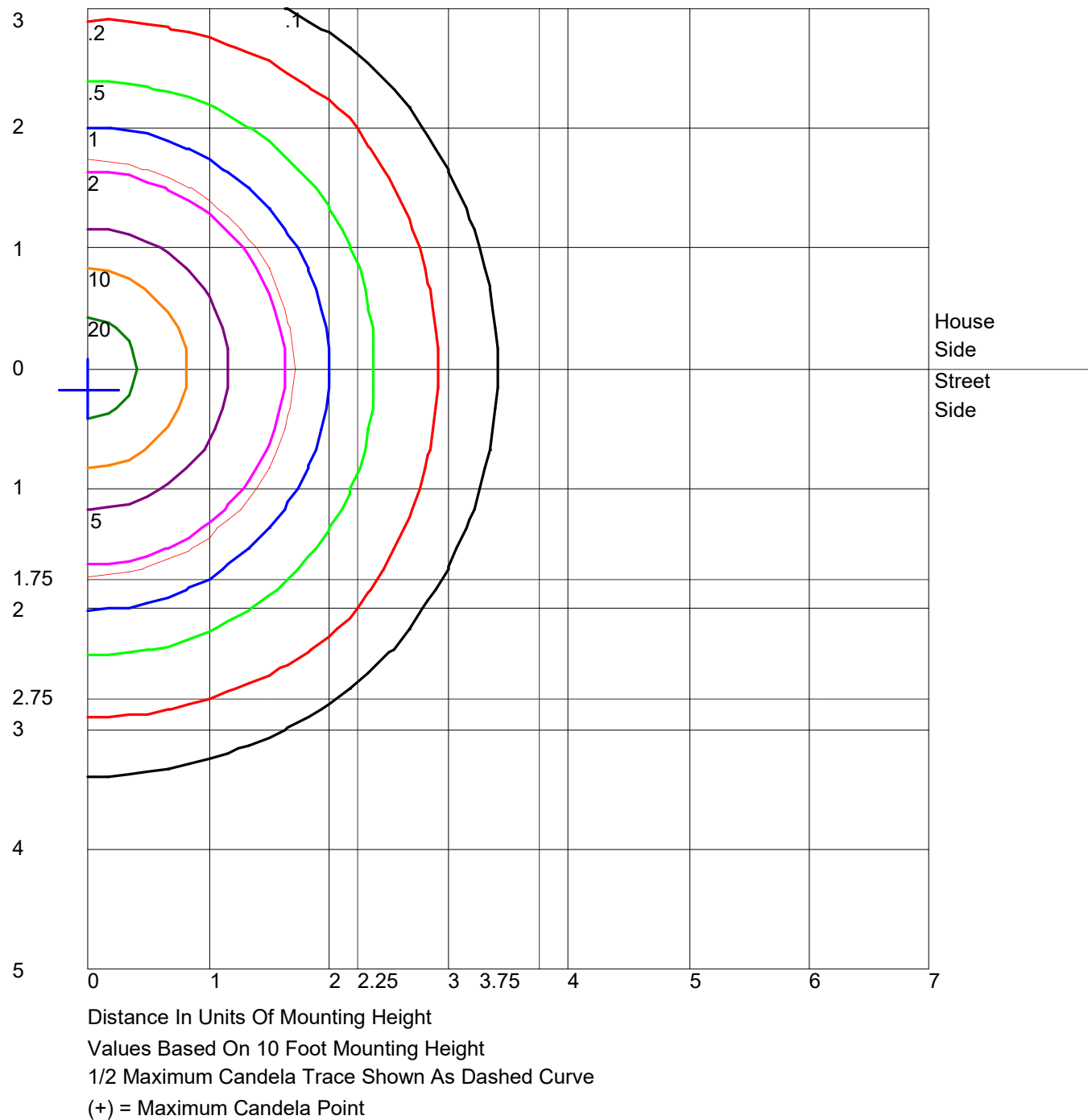
	Lumens	Percent Of Luminaire
Downward Street Side	3991.3	50.0
Downward House Side	3991.3	50.0
Downward Total	7982.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	7982.6	100.0

POLAR GRAPH

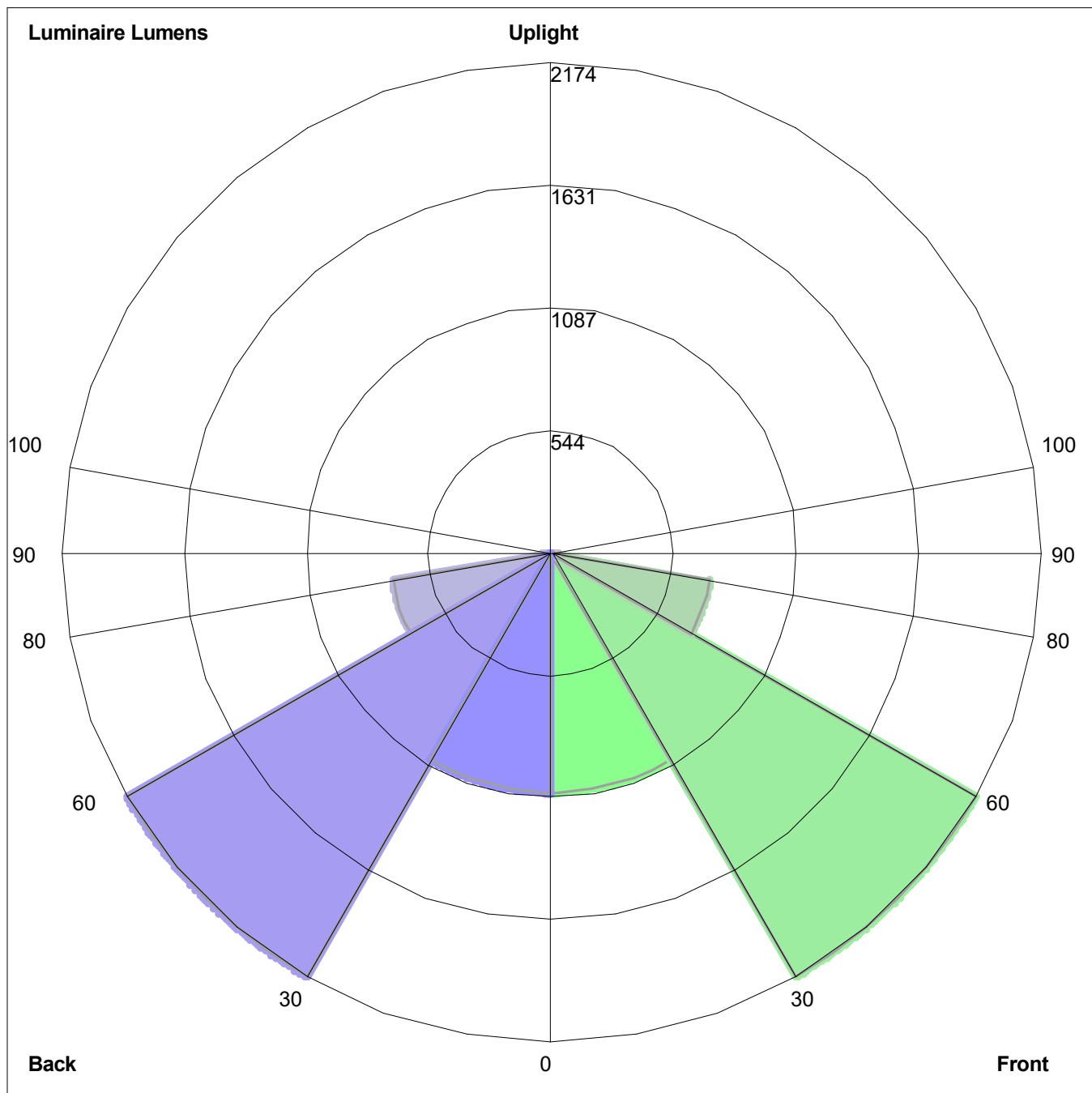


Maximum Candela = 2653 Located At Horizontal Angle = 0, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1065.3, Medium=2174.2, High=715.4, Very High=36.5
Back: Low=1065.3, Medium=2174.2, High=715.4, Very High=36.5
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G1