



IES ROAD REPORT

PHOTOMETRIC FILENAME : XSL2-S-LED-50-HO-CW.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-3903

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUE DATE] 5/13/2020

[TEST DATE] 03/07/13

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] XSL2-S-LED-50-HO-CW

[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	8348
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	86.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3393
Maximum Candela Angle	45H 37.5V
Maximum Candela (<90 Degrees Vertical)	3393
Maximum Candela Angle (<90 Degrees Vertical)	45H 37.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	10 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

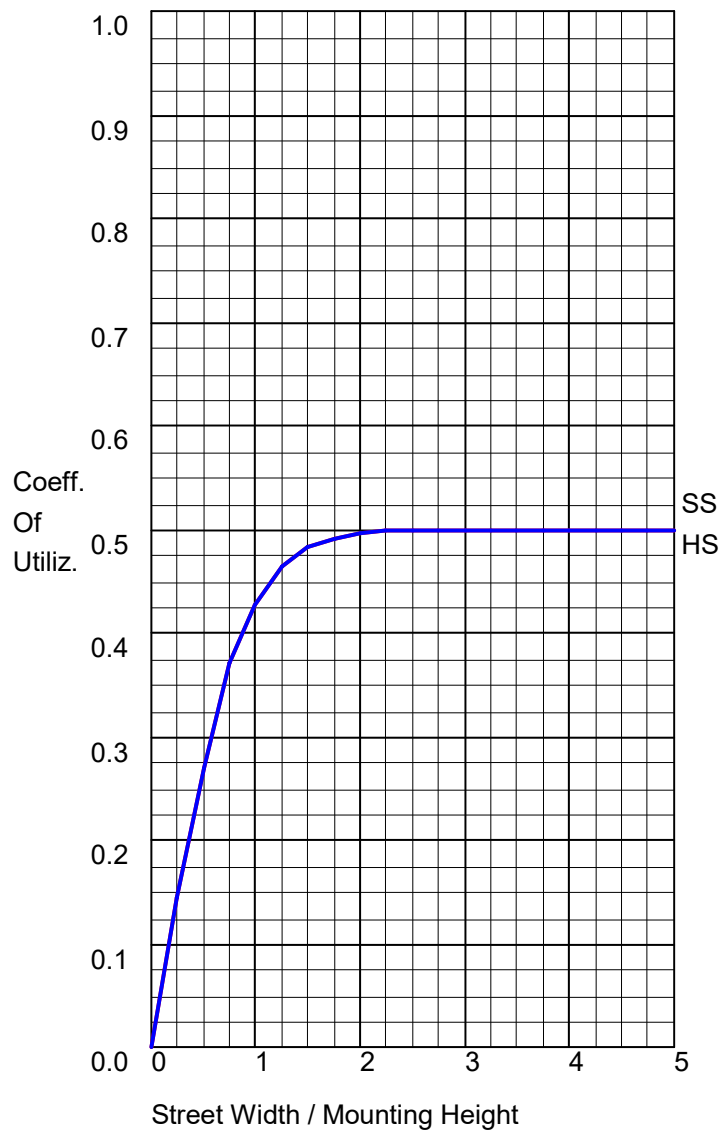
	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1258.3	N.A.	15.1
FM - Front-Medium (30-60)	2735.9	N.A.	32.8
FH - Front-High (60-80)	177.3	N.A.	2.1
FVH - Front-Very High (80-90)	2.2	N.A.	0.0
BL - Back-Low (0-30)	1258.3	N.A.	15.1
BM - Back-Medium (30-60)	2735.9	N.A.	32.8
BH - Back-High (60-80)	177.3	N.A.	2.1
BVH - Back-Very High (80-90)	2.2	N.A.	0.0
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	8347.4	N.A.	100.0
BUG Rating	B3-U0-G0		

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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	3027	3027	3027	3027	3027
2.5	3023	3002	3030	3049	3053
5.0	2956	2977	2998	3015	3013
7.5	2919	2954	2959	2974	2969
10.0	2894	2927	2930	2939	2935
12.5	2875	2899	2911	2915	2917
15.0	2864	2886	2897	2902	2905
17.5	2863	2887	2896	2902	2900
20.0	2891	2911	2917	2923	2919
22.5	2952	2970	2969	2978	2974
25.0	3024	3049	3041	3048	3035
27.5	3077	3126	3116	3110	3080
30.0	3102	3195	3191	3165	3120
32.5	3130	3261	3277	3235	3168
35.0	3178	3313	3362	3319	3211
37.5	3209	3313	3393	3363	3217
40.0	3134	3208	3307	3302	3130
42.5	2902	2964	3065	3090	2919
45.0	2557	2619	2692	2731	2587
47.5	2202	2264	2288	2342	2220
50.0	1925	1999	1970	2039	1939
52.5	1739	1826	1744	1847	1745
55.0	1572	1654	1561	1679	1579
57.5	1315	1380	1307	1420	1351
60.0	939	985	933	1015	982
62.5	540	559	524	550	512
65.0	228	237	235	220	199
67.5	81	78	86	67	71
70.0	48	42	61	39	49
72.5	30	26	48	23	32
75.0	18	17	32	15	19
77.5	11	12	17	11	12
80.0	8	10	9	8	9
82.5	5	7	5	6	6
85.0	3	4	3	5	4
87.5	2	2	2	2	2
90.0	0	0	0	0	0

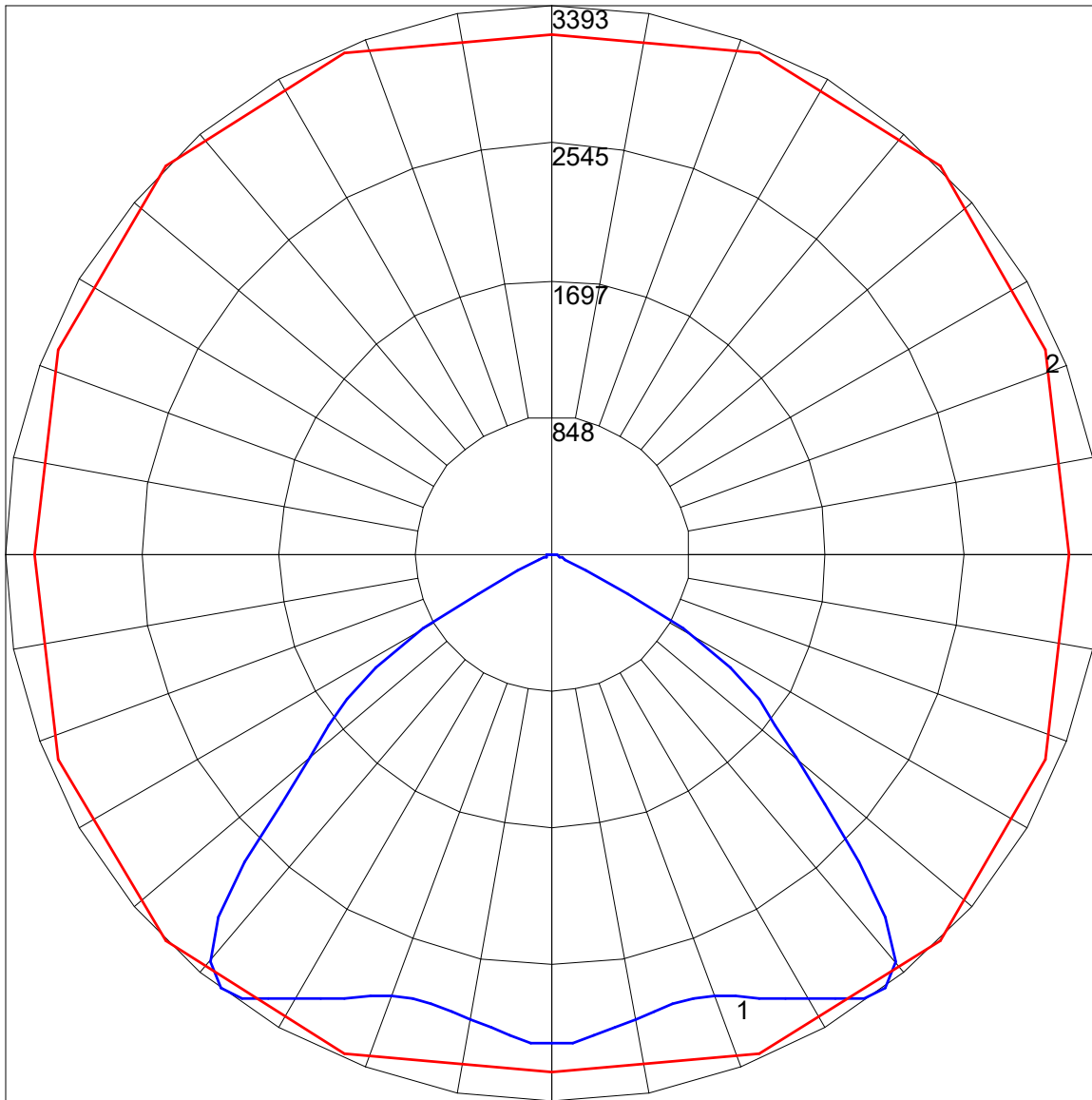
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

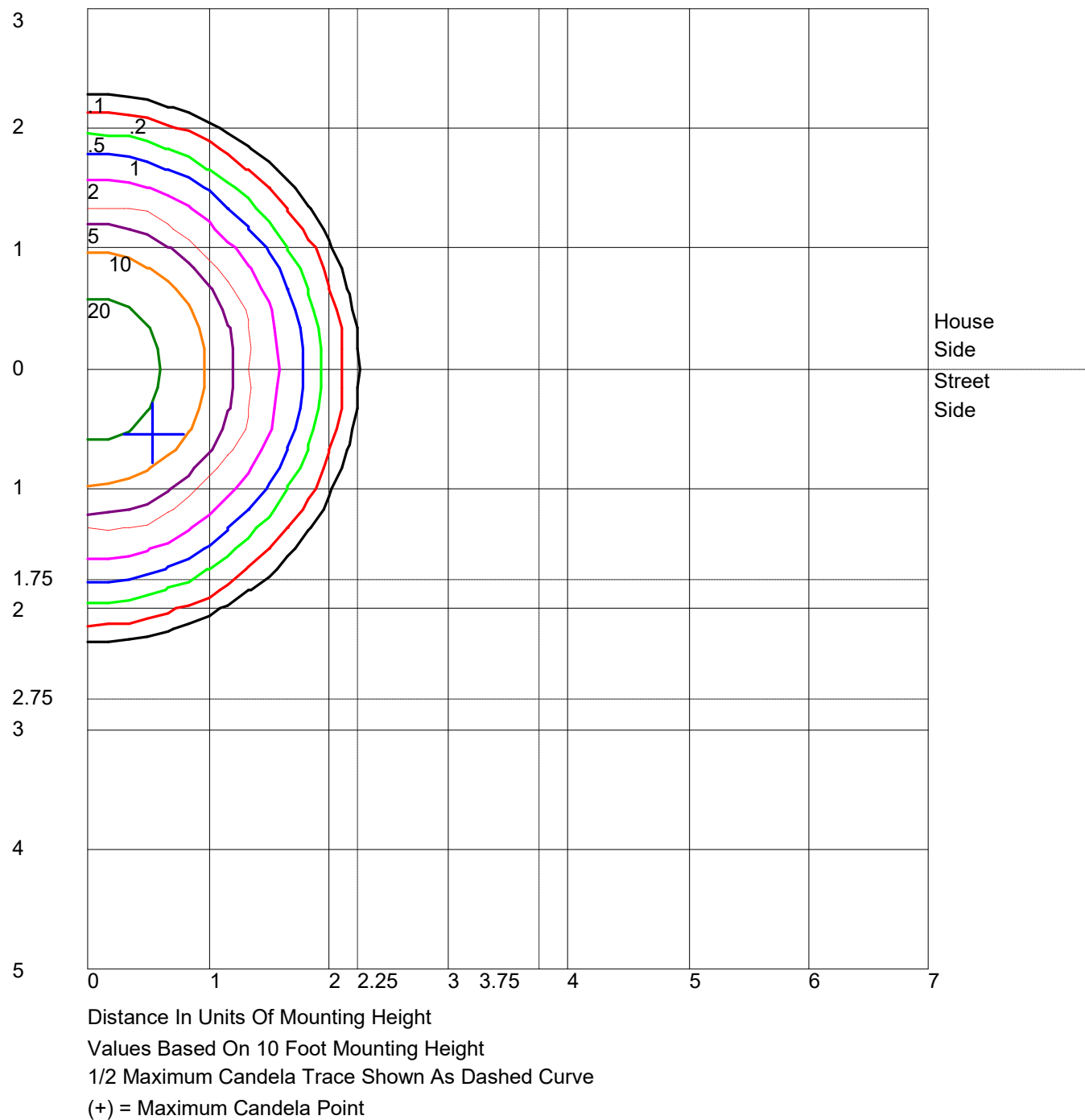
	Lumens	Percent Of Luminaire
Downward Street Side	4173.8	50.0
Downward House Side	4173.8	50.0
Downward Total	8347.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	8347.6	100.0

POLAR GRAPH

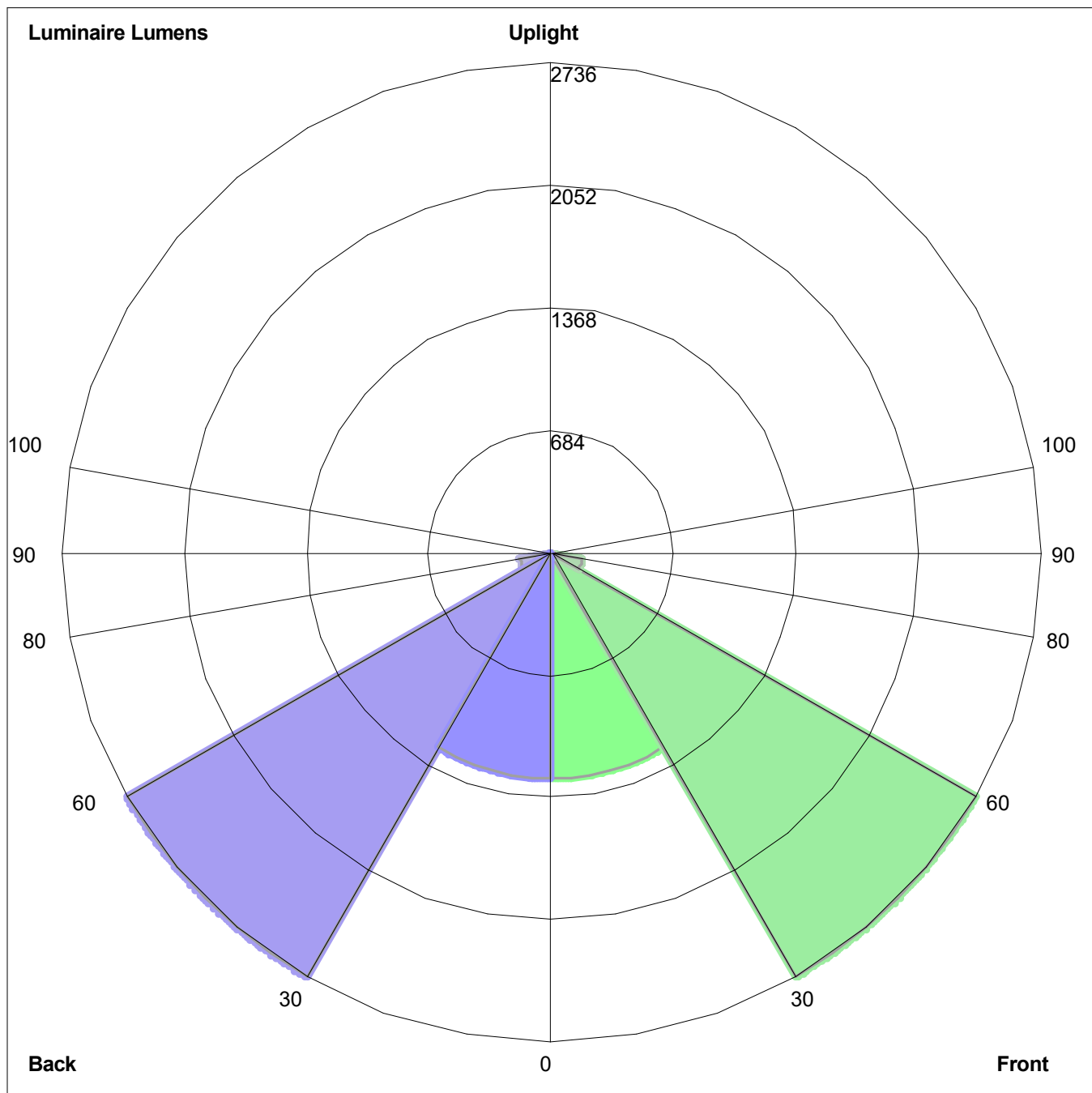


Maximum Candela = 3393 Located At Horizontal Angle = 45, Vertical Angle = 37.5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (37.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1258.3, Medium=2735.9, High=177.3, Very High=2.2
Back: Low=1258.3, Medium=2735.9, High=177.3, Very High=2.2
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G0