



## IES ROAD REPORT

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

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-3904

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUE DATE] 5/13/2020

[TEST DATE] 03/7/13

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] XSL2-S-LED-50-SS-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	6193
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	59.9
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2517
Maximum Candela Angle	45H 37.5V
Maximum Candela (<90 Degrees Vertical)	2517
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	9 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

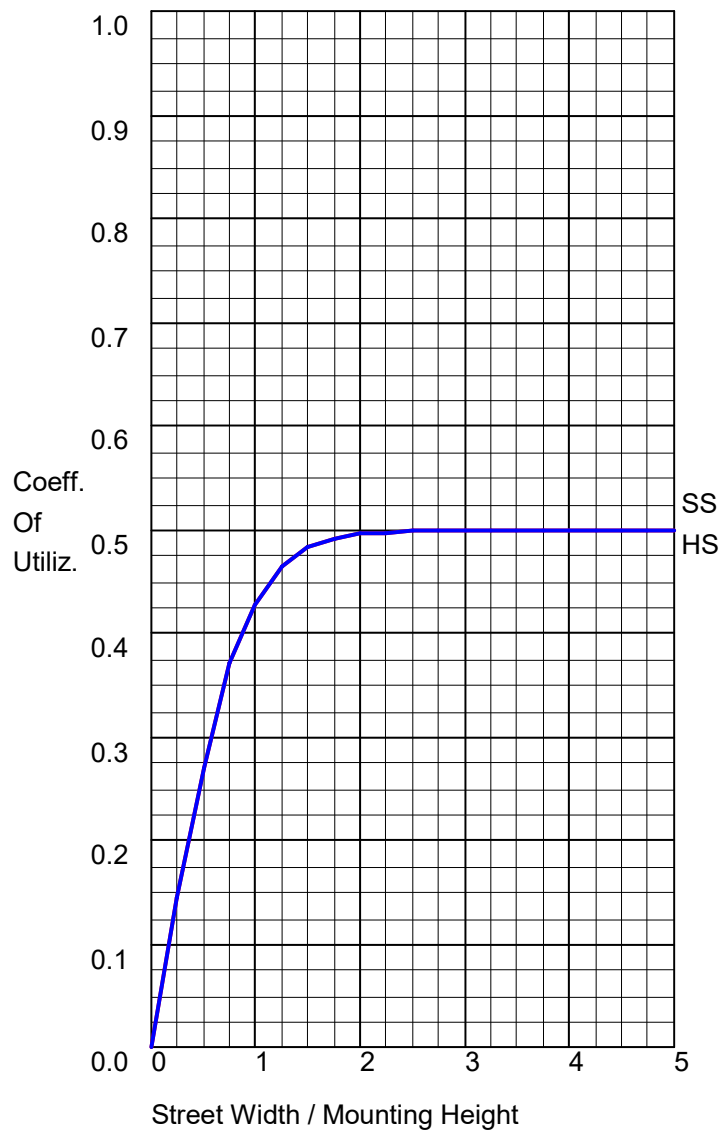
	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	929.8	N.A.	15.0
FM - Front-Medium (30-60)	2031.4	N.A.	32.8
FH - Front-High (60-80)	132.9	N.A.	2.1
FVH - Front-Very High (80-90)	2.6	N.A.	0.0
BL - Back-Low (0-30)	929.8	N.A.	15.0
BM - Back-Medium (30-60)	2031.4	N.A.	32.8
BH - Back-High (60-80)	132.9	N.A.	2.1
BVH - Back-Very High (80-90)	2.6	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	6193.4	N.A.	100.0
BUG Rating	B2-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	2232	2232	2232	2232	2232
2.5	2231	2213	2234	2248	2254
5.0	2180	2195	2210	2223	2225
7.5	2153	2178	2182	2194	2192
10.0	2135	2159	2161	2168	2167
12.5	2121	2139	2147	2151	2153
15.0	2113	2130	2137	2141	2145
17.5	2113	2131	2137	2143	2142
20.0	2135	2150	2154	2159	2157
22.5	2181	2195	2194	2201	2199
25.0	2236	2255	2249	2254	2246
27.5	2276	2313	2306	2302	2281
30.0	2296	2365	2363	2344	2313
32.5	2319	2415	2428	2398	2349
35.0	2357	2456	2492	2462	2382
37.5	2380	2458	2517	2496	2387
40.0	2326	2382	2455	2452	2324
42.5	2154	2202	2278	2297	2172
45.0	1900	1946	2003	2033	1926
47.5	1636	1682	1701	1740	1649
50.0	1429	1485	1463	1515	1441
52.5	1291	1358	1297	1373	1299
55.0	1168	1230	1161	1248	1175
57.5	977	1025	970	1055	1004
60.0	695	729	689	750	729
62.5	397	413	386	406	374
65.0	169	175	174	163	146
67.5	65	62	69	56	62
70.0	38	33	47	31	38
72.5	24	22	37	19	25
75.0	15	14	26	13	16
77.5	11	11	15	10	11
80.0	8	9	9	8	9
82.5	6	7	6	7	6
85.0	4	5	4	5	5
87.5	3	3	3	4	4
90.0	0	0	0	0	0

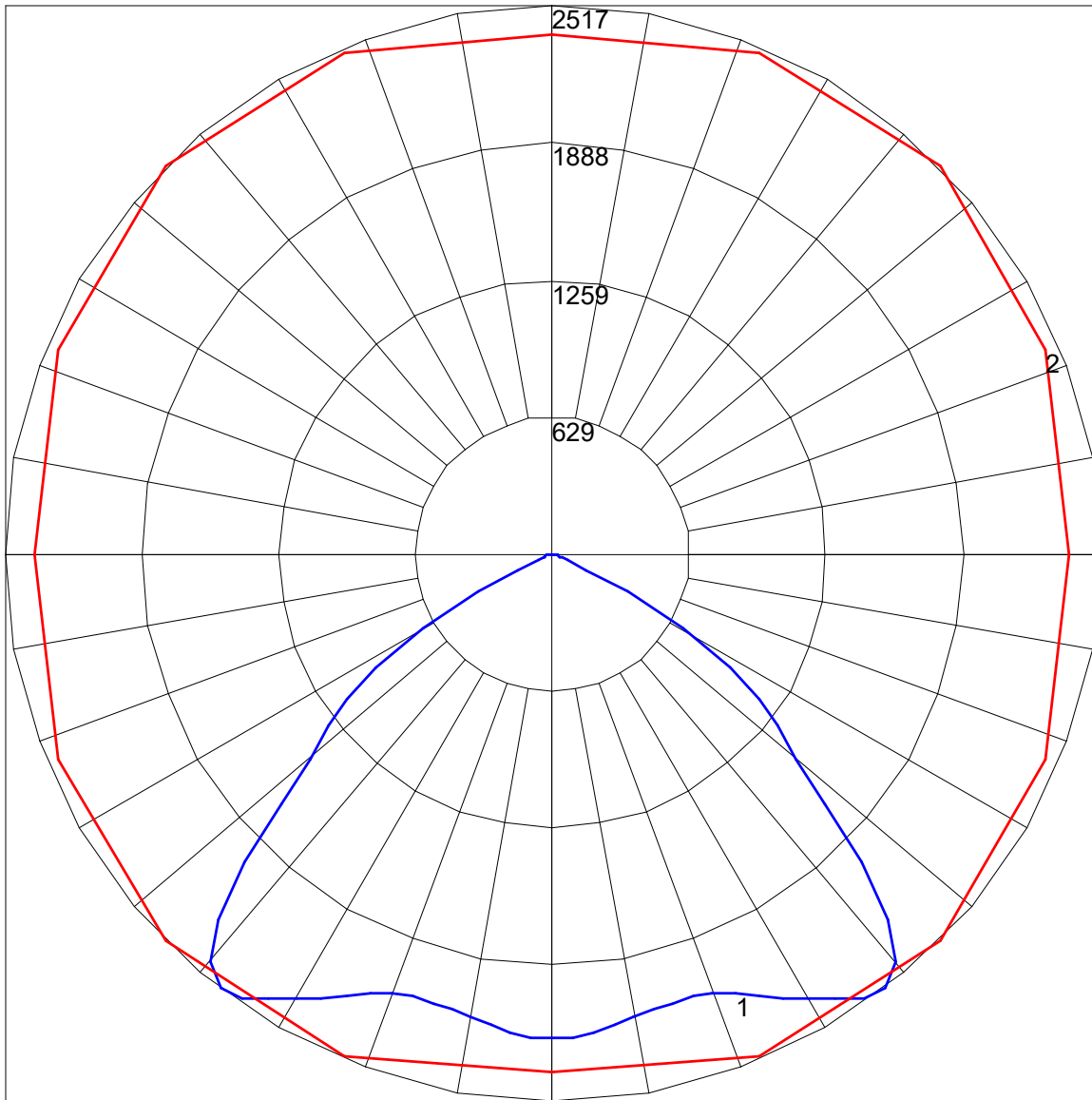
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

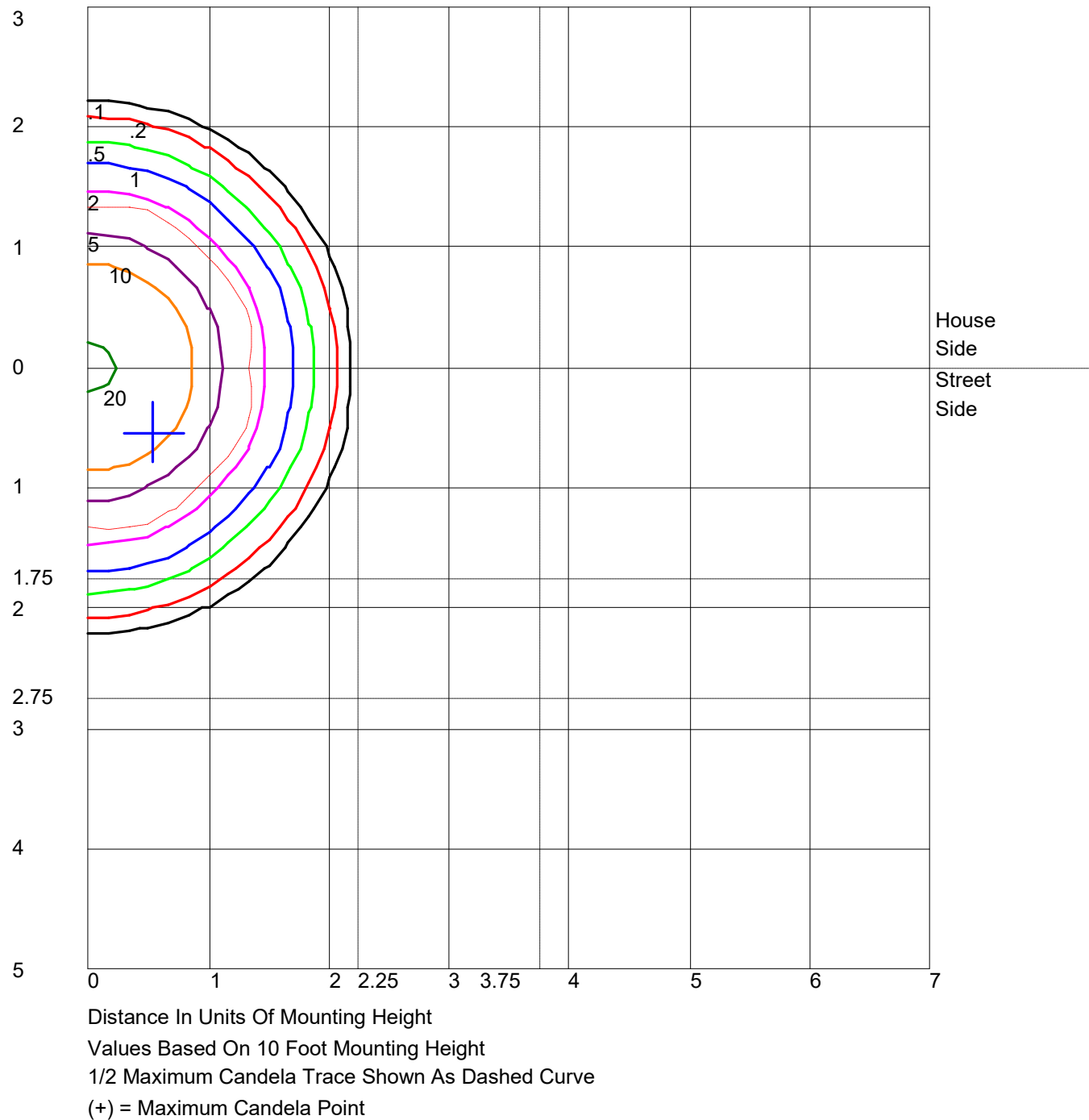
	Lumens	Percent Of Luminaire
Downward Street Side	3096.6	50.0
Downward House Side	3096.6	50.0
Downward Total	6193.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	6193.2	100.0

POLAR GRAPH

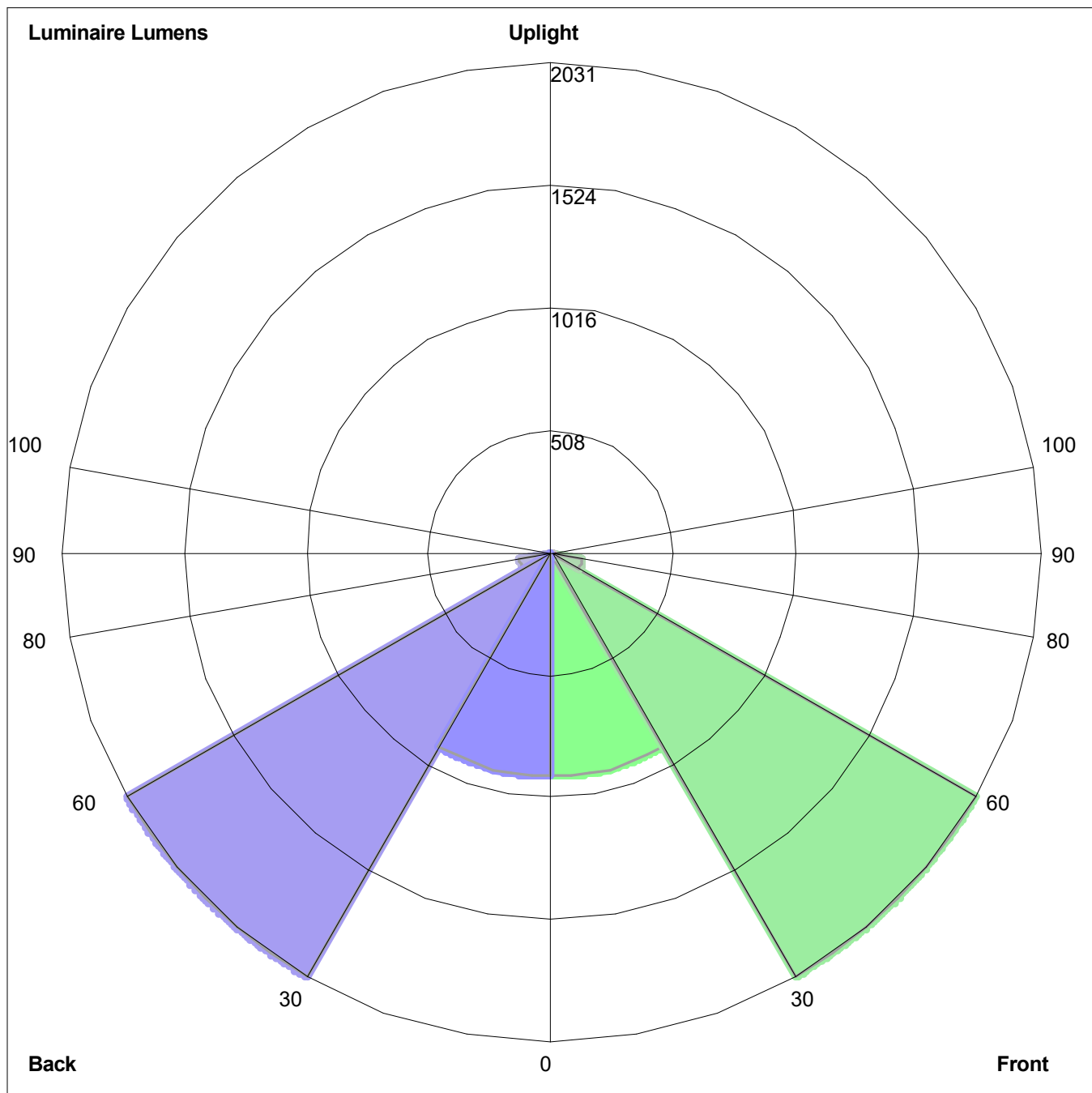


Maximum Candela = 2517 Located At Horizontal Angle = 45, Vertical Angle = 37.5  
# 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (37.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=929.8, Medium=2031.4, High=132.9, Very High=2.6  
Back: Low=929.8, Medium=2031.4, High=132.9, Very High=2.6  
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G0