



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : XRT44-LED-06L-50-80CRI.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-5456

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUE DATE] 03/16/2020

[TEST DATE] 04/21/14

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] XRT44-LED-06L-50-80CRI

[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

[OTHER] TEST PROCEDURE: IESNA LM-79-08

[OTHER] SCALED FROM ORIGINAL TEST DATA

[SEARCH\_SOURCETYPE] LED

[SEARCH\_APPLICATION] Indoor

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6119
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	47
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.34
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.00 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1345	1349	1344
55	1277	1273	1267
65	1177	1180	1177
75	1026	1021	1000
85	617	617	609

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**CANDELA TABULATION**

	<u><b>0.0</b></u>	<u><b>22.5</b></u>	<u><b>45.0</b></u>	<u><b>67.5</b></u>	<u><b>90.0</b></u>
<b>0.0</b>	2257	2257	2257	2257	2257
<b>2.5</b>	2257	2259	2259	2259	2259
<b>5.0</b>	2251	2253	2253	2251	2251
<b>7.5</b>	2238	2240	2238	2238	2238
<b>10.0</b>	2218	2220	2220	2220	2220
<b>12.5</b>	2191	2195	2195	2191	2193
<b>15.0</b>	2160	2162	2162	2160	2162
<b>17.5</b>	2122	2122	2122	2120	2124
<b>20.0</b>	2079	2079	2079	2077	2076
<b>22.5</b>	2033	2031	2031	2029	2027
<b>25.0</b>	1978	1978	1976	1975	1975
<b>27.5</b>	1920	1917	1917	1917	1913
<b>30.0</b>	1859	1855	1853	1855	1851
<b>32.5</b>	1793	1789	1788	1788	1784
<b>35.0</b>	1718	1722	1717	1717	1715
<b>37.5</b>	1647	1649	1645	1645	1642
<b>40.0</b>	1569	1574	1571	1567	1567
<b>42.5</b>	1492	1500	1494	1488	1490
<b>45.0</b>	1415	1419	1419	1412	1414
<b>47.5</b>	1337	1337	1337	1331	1329
<b>50.0</b>	1257	1255	1255	1251	1249
<b>52.5</b>	1174	1174	1172	1169	1163
<b>55.0</b>	1090	1088	1086	1086	1081
<b>57.5</b>	1006	1002	1002	1000	997
<b>60.0</b>	918	918	916	916	912
<b>62.5</b>	832	832	830	828	826
<b>65.0</b>	740	746	742	740	740
<b>67.5</b>	654	660	656	651	654
<b>70.0</b>	567	568	567	565	567
<b>72.5</b>	481	484	479	477	477
<b>75.0</b>	395	391	393	391	385
<b>77.5</b>	309	303	305	305	301
<b>80.0</b>	228	224	224	223	221
<b>82.5</b>	148	150	148	144	144
<b>85.0</b>	80	84	80	77	79
<b>87.5</b>	32	32	30	26	28
<b>90.0</b>	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	823.09	N.A.	13.50
0-30	1733.03	N.A.	28.30
0-40	2807.63	N.A.	45.90
0-60	4870.59	N.A.	79.60
0-80	6019.13	N.A.	98.40
0-90	6119.36	N.A.	100.00
10-90	5905.45	N.A.	96.50
20-40	1984.54	N.A.	32.40
20-50	3076.18	N.A.	50.30
40-70	2797.39	N.A.	45.70
60-80	1148.55	N.A.	18.80
70-80	414.11	N.A.	6.80
80-90	100.23	N.A.	1.60
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	6119.36	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	213.91
10-20	609.19
20-30	909.93
30-40	1074.6
40-50	1091.65
50-60	971.31
60-70	734.44
70-80	414.11
80-90	100.23
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

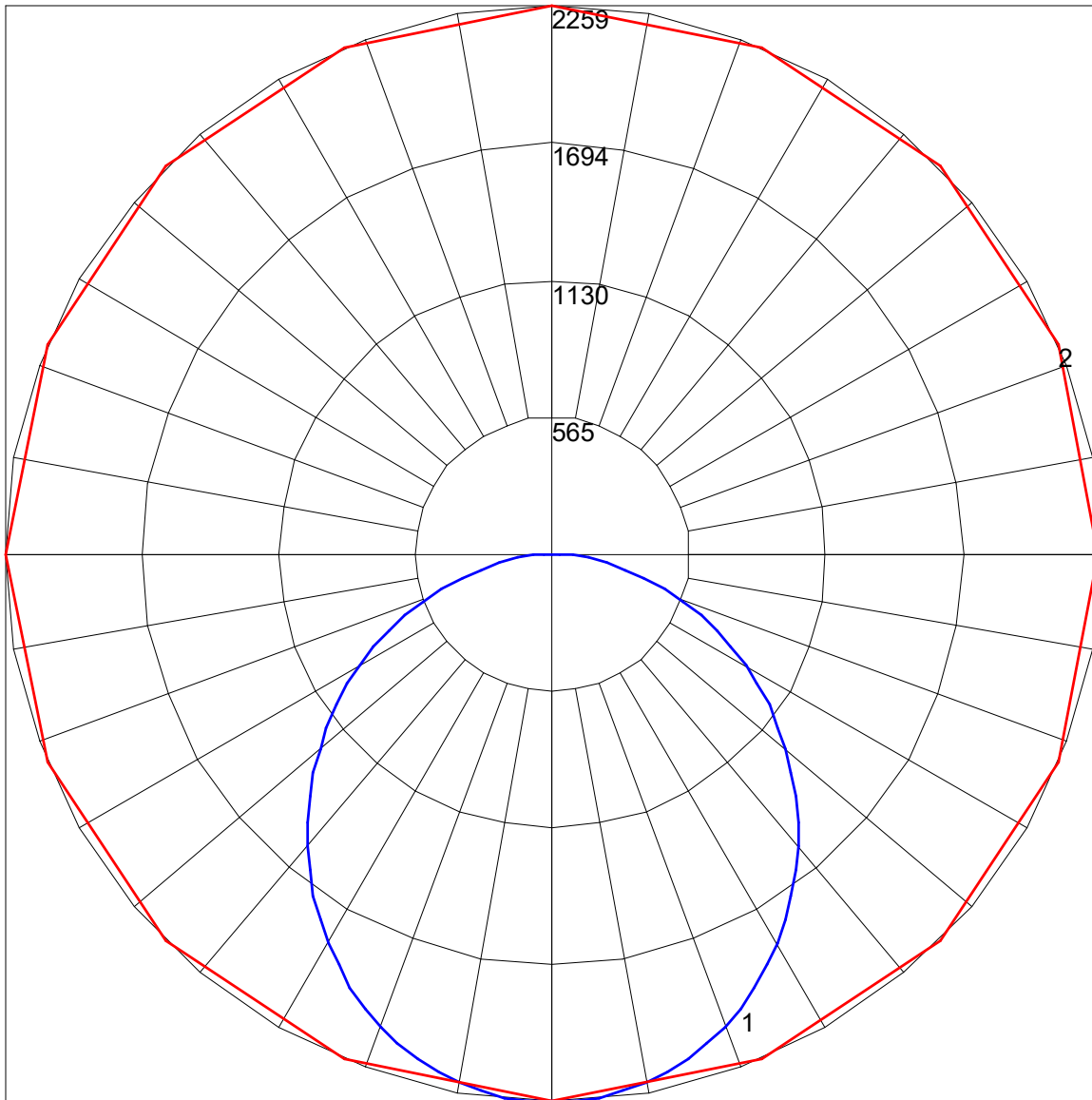
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	76	82	78	74	79	76	72	70
3	90	80	72	65	88	78	71	65	75	69	64	73	67	62	70	65	61	59
4	83	71	62	55	80	70	61	55	67	60	54	65	59	54	63	57	53	51
5	76	63	54	48	74	62	54	48	60	53	47	58	52	46	56	51	46	44
6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	40	38
7	65	52	43	37	64	51	43	37	49	42	37	48	41	36	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	32	43	37	32	30
9	57	43	35	30	55	43	35	30	42	35	29	41	34	29	40	34	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

POLAR GRAPH



Maximum Candela = 2259 Located At Horizontal Angle = 22.5, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)