



IES INDOOR REPORT

PHOTOMETRIC FILENAME : XRT44-LED-06L-35-80CRI.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-35-80CRI

[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	5657
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	47
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.22
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	1244	1247	1242
55	1181	1176	1171
65	1089	1091	1089
75	948	943	924
85	571	571	563

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	2087	2087	2087	2087	2087
2.5	2087	2088	2088	2088	2088
5.0	2081	2083	2083	2081	2081
7.5	2069	2071	2069	2069	2069
10.0	2050	2052	2052	2052	2052
12.5	2026	2029	2029	2026	2028
15.0	1997	1998	1998	1997	1998
17.5	1962	1962	1962	1960	1964
20.0	1922	1922	1922	1921	1919
22.5	1879	1877	1877	1876	1874
25.0	1829	1829	1827	1825	1825
27.5	1775	1772	1772	1772	1768
30.0	1718	1715	1713	1715	1711
32.5	1658	1654	1653	1653	1649
35.0	1589	1592	1587	1587	1585
37.5	1523	1525	1521	1521	1518
40.0	1450	1456	1452	1449	1449
42.5	1379	1386	1381	1376	1378
45.0	1309	1312	1312	1305	1307
47.5	1236	1236	1236	1231	1229
50.0	1162	1160	1160	1156	1155
52.5	1086	1086	1084	1080	1075
55.0	1008	1006	1004	1004	999
57.5	930	927	927	925	921
60.0	849	849	847	847	844
62.5	769	769	768	766	764
65.0	685	690	686	685	685
67.5	605	610	607	602	605
70.0	524	526	524	522	524
72.5	444	448	443	441	441
75.0	365	361	363	361	356
77.5	285	280	282	282	278
80.0	211	207	207	206	204
82.5	137	138	137	133	133
85.0	74	78	74	71	73
87.5	29	29	28	24	26
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	760.92	N.A.	13.40
0-30	1602.07	N.A.	28.30
0-40	2595.57	N.A.	45.90
0-60	4502.9	N.A.	79.60
0-80	5564.92	N.A.	98.40
0-90	5657.49	N.A.	100.00
10-90	5459.75	N.A.	96.50
20-40	1834.65	N.A.	32.40
20-50	2843.87	N.A.	50.30
40-70	2586.61	N.A.	45.70
60-80	1062.02	N.A.	18.80
70-80	382.73	N.A.	6.80
80-90	92.58	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	5657.49	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	197.75
10-20	563.18
20-30	841.15
30-40	993.50
40-50	1009.23
50-60	898.10
60-70	679.28
70-80	382.73
80-90	92.58
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

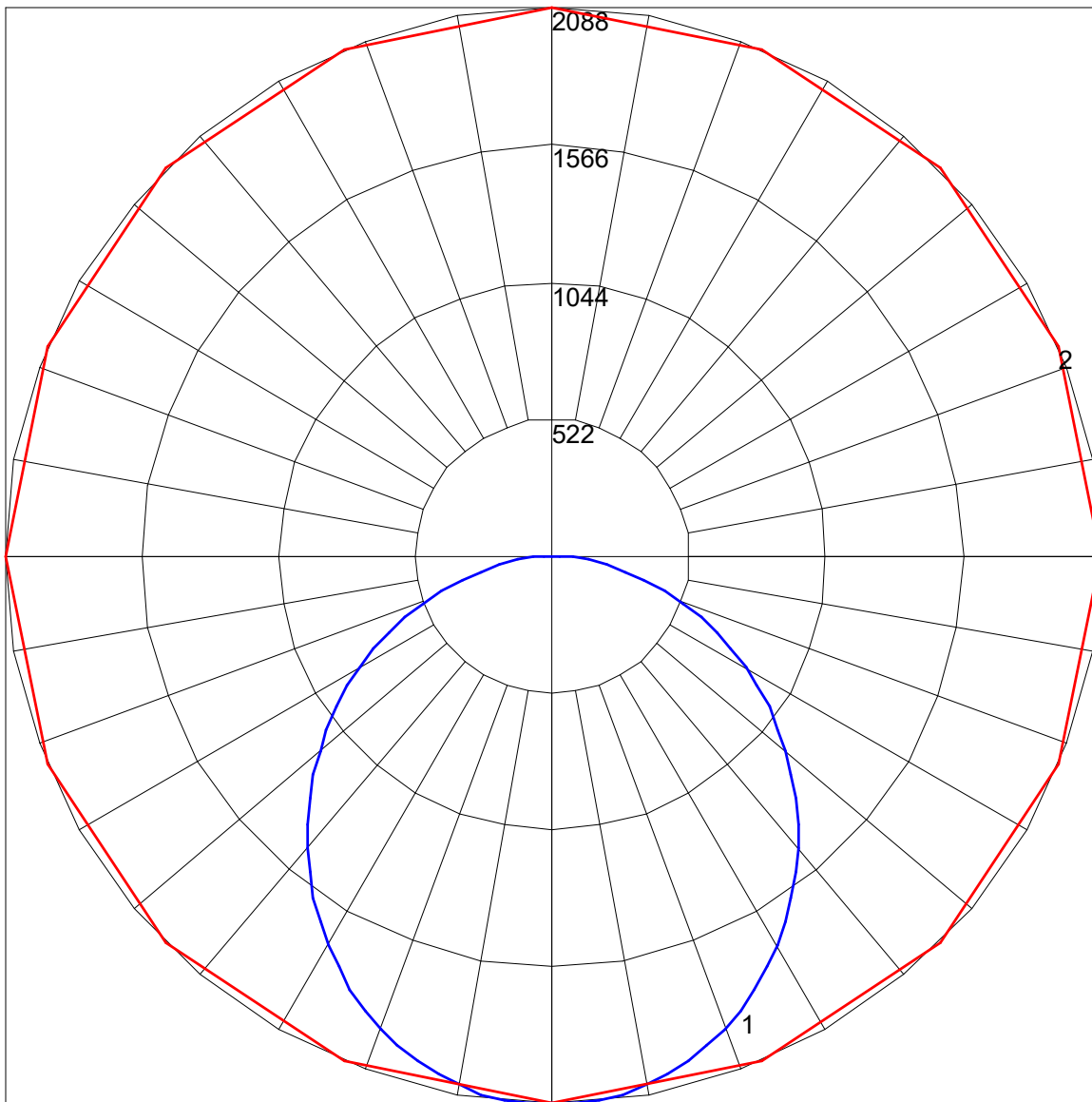
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2088 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.)