



IES INDOOR REPORT

PHOTOMETRIC FILENAME : XRT44-LED-08L-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-08L-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	7078
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	59
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	1556	1561	1554
55	1478	1473	1465
65	1361	1366	1361
75	1184	1179	1158
85	717	717	702

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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	2611	2611	2611	2611	2611
2.5	2611	2613	2613	2613	2613
5.0	2604	2606	2606	2604	2604
7.5	2589	2591	2589	2589	2589
10.0	2565	2567	2567	2567	2567
12.5	2535	2539	2539	2535	2537
15.0	2498	2500	2500	2498	2500
17.5	2455	2455	2455	2453	2457
20.0	2405	2405	2405	2403	2401
22.5	2351	2349	2349	2347	2345
25.0	2288	2288	2286	2284	2284
27.5	2221	2217	2217	2217	2213
30.0	2150	2146	2143	2146	2141
32.5	2074	2070	2068	2068	2063
35.0	1988	1992	1985	1985	1983
37.5	1905	1908	1903	1903	1899
40.0	1815	1821	1817	1812	1812
42.5	1726	1735	1728	1722	1724
45.0	1637	1642	1642	1633	1635
47.5	1546	1546	1546	1540	1538
50.0	1453	1451	1451	1447	1445
52.5	1358	1358	1356	1352	1345
55.0	1261	1259	1257	1257	1250
57.5	1164	1159	1159	1157	1153
60.0	1062	1062	1060	1060	1055
62.5	962	962	960	958	956
65.0	856	863	859	856	856
67.5	757	763	759	753	757
70.0	655	658	655	653	655
72.5	556	560	554	552	552
75.0	456	452	454	452	446
77.5	357	350	353	353	348
80.0	264	260	260	257	255
82.5	171	173	171	167	167
85.0	93	97	93	89	91
87.5	37	37	35	30	32
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	952.07	N.A.	13.50
0-30	2004.55	N.A.	28.30
0-40	3247.5	N.A.	45.90
0-60	5633.86	N.A.	79.60
0-80	6962.34	N.A.	98.40
0-90	7078.31	N.A.	100.00
10-90	6830.88	N.A.	96.50
20-40	2295.43	N.A.	32.40
20-50	3558.14	N.A.	50.30
40-70	3235.95	N.A.	45.70
60-80	1328.49	N.A.	18.80
70-80	478.89	N.A.	6.80
80-90	115.96	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	7078.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	247.42
10-20	704.65
20-30	1052.48
30-40	1242.95
40-50	1262.72
50-60	1123.64
60-70	849.59
70-80	478.89
80-90	115.96
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

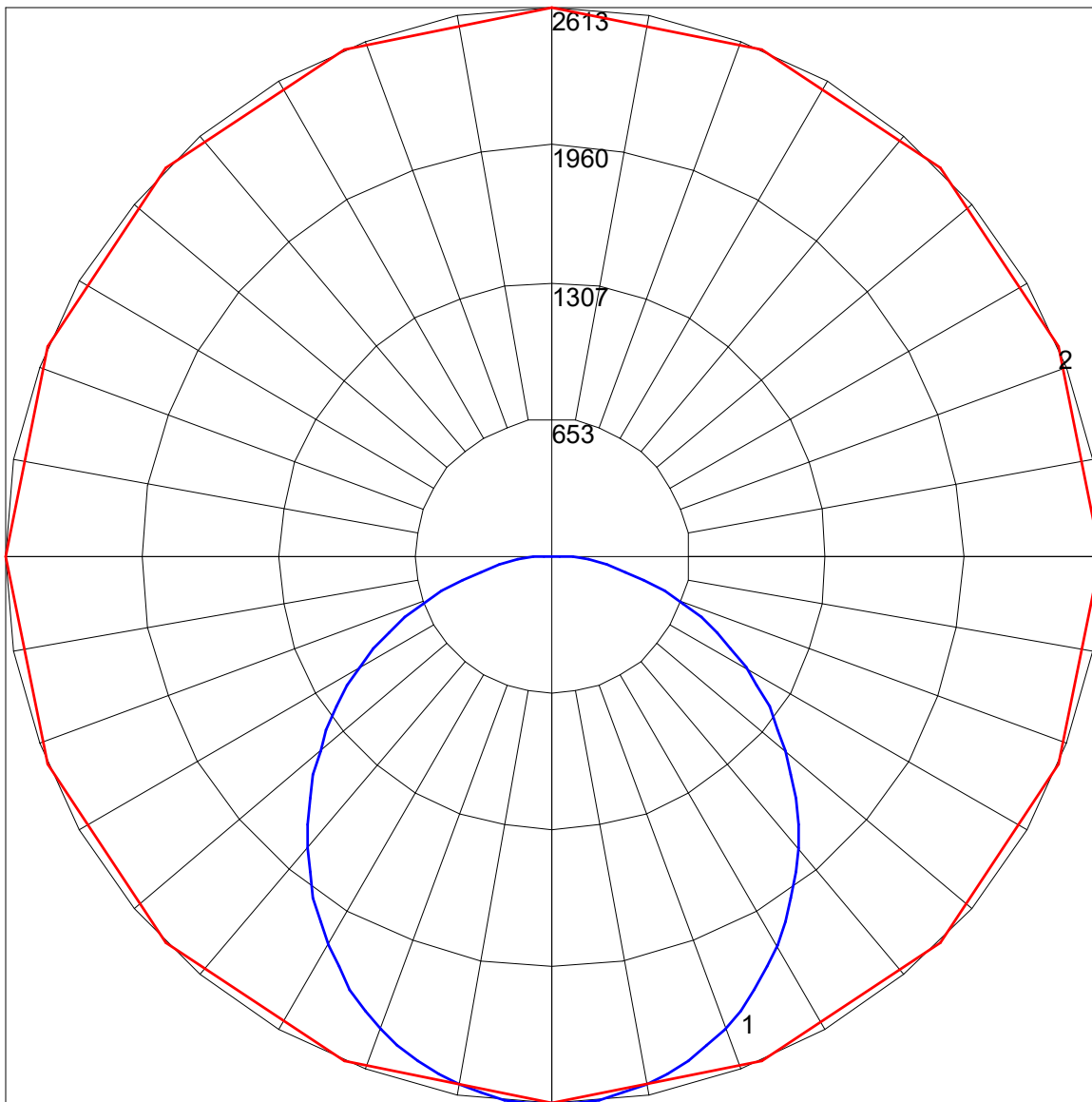
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	62	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 = 2613 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.)