



IES INDOOR REPORT

PHOTOMETRIC FILENAME : XRT44-LED-08L-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-08L-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	7625
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
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	1676	1681	1674
55	1591	1585	1577
65	1466	1471	1466
75	1275	1270	1246
85	771	771	756

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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	2813	2813	2813	2813	2813
2.5	2813	2815	2815	2815	2815
5.0	2806	2808	2808	2806	2806
7.5	2789	2792	2789	2789	2789
10.0	2764	2766	2766	2766	2766
12.5	2731	2736	2736	2731	2733
15.0	2691	2694	2694	2691	2694
17.5	2645	2645	2645	2642	2647
20.0	2591	2591	2591	2589	2587
22.5	2533	2531	2531	2528	2526
25.0	2465	2465	2463	2461	2461
27.5	2393	2389	2389	2389	2384
30.0	2316	2312	2309	2312	2307
32.5	2235	2230	2228	2228	2223
35.0	2142	2146	2139	2139	2137
37.5	2053	2055	2051	2051	2046
40.0	1955	1962	1958	1953	1953
42.5	1859	1868	1861	1854	1857
45.0	1763	1768	1768	1759	1761
47.5	1665	1665	1665	1659	1656
50.0	1565	1563	1563	1558	1556
52.5	1463	1463	1461	1456	1449
55.0	1358	1356	1353	1353	1346
57.5	1253	1249	1249	1246	1242
60.0	1144	1144	1141	1141	1137
62.5	1037	1037	1034	1032	1030
65.0	922	929	925	922	922
67.5	815	822	818	811	815
70.0	706	708	706	703	706
72.5	599	603	596	594	594
75.0	491	487	489	487	480
77.5	384	377	380	380	375
80.0	284	280	280	277	275
82.5	184	186	184	179	179
85.0	100	105	100	96	98
87.5	40	40	37	33	35
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1025.77	N.A.	13.50
0-30	2159.74	N.A.	28.30
0-40	3498.99	N.A.	45.90
0-60	6069.16	N.A.	79.60
0-80	7499.95	N.A.	98.40
0-90	7624.79	N.A.	100.00
10-90	7358.21	N.A.	96.50
20-40	2473.22	N.A.	32.40
20-50	3833.19	N.A.	50.30
40-70	3485.29	N.A.	45.70
60-80	1430.79	N.A.	18.80
70-80	515.67	N.A.	6.80
80-90	124.84	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	7624.79	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	266.58
10-20	759.19
20-30	1133.97
30-40	1339.25
40-50	1359.97
50-60	1210.2
60-70	915.13
70-80	515.67
80-90	124.84
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

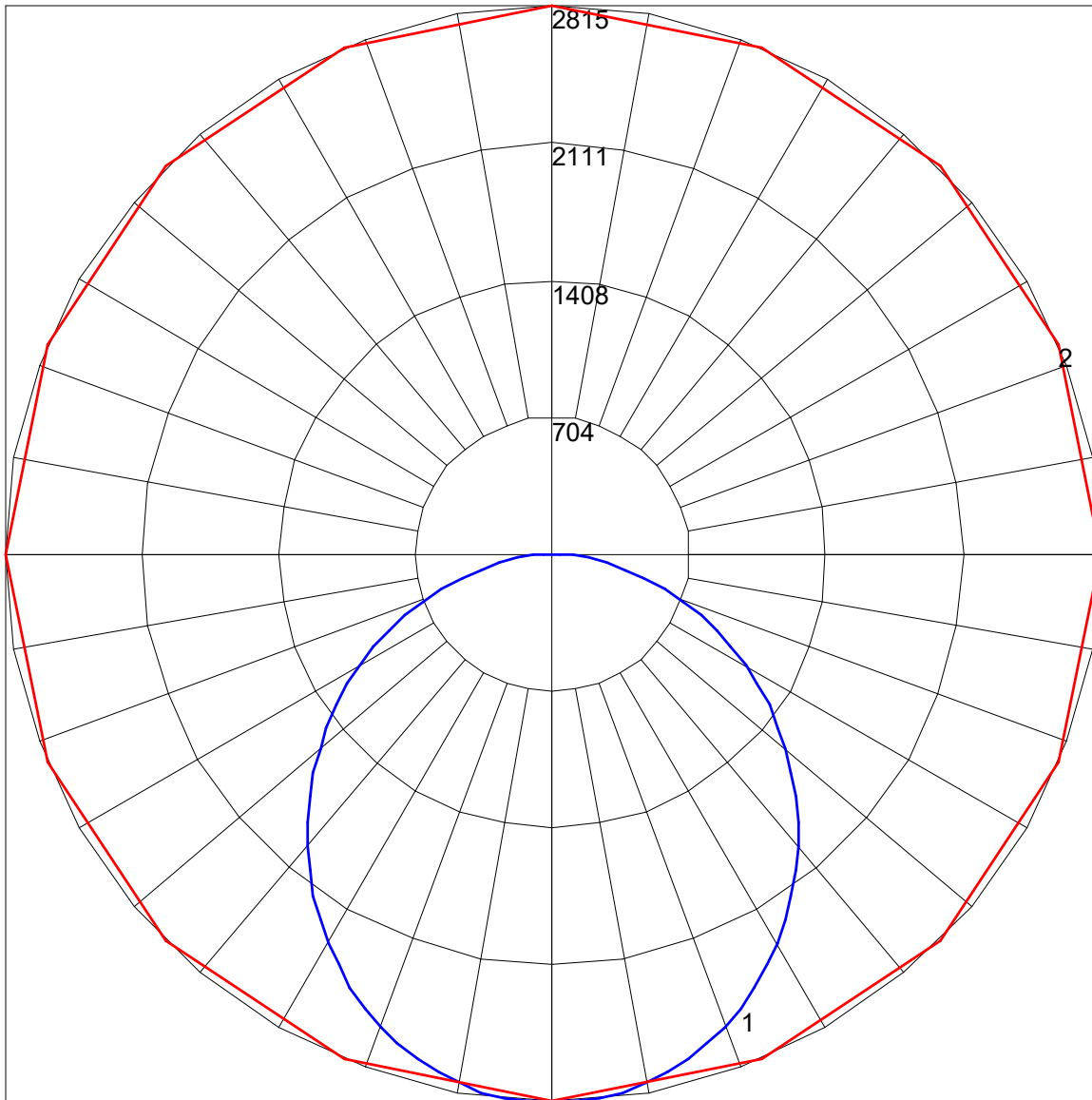
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2815 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.)