



IES INDOOR REPORT

PHOTOMETRIC FILENAME : XRT44-LED-10L-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-10L-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	8734
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	72
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	1920	1926	1918
55	1823	1817	1808
65	1681	1686	1681
75	1462	1454	1428
85	887	887	864

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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	3221	3221	3221	3221	3221
2.5	3221	3224	3224	3224	3224
5.0	3213	3216	3216	3213	3213
7.5	3195	3197	3195	3195	3195
10.0	3165	3168	3168	3168	3168
12.5	3128	3133	3133	3128	3131
15.0	3082	3085	3085	3082	3085
17.5	3029	3029	3029	3026	3032
20.0	2968	2968	2968	2965	2962
22.5	2901	2898	2898	2896	2893
25.0	2824	2824	2821	2818	2818
27.5	2741	2736	2736	2736	2730
30.0	2653	2647	2645	2647	2642
32.5	2559	2554	2551	2551	2546
35.0	2453	2458	2450	2450	2447
37.5	2351	2354	2349	2349	2343
40.0	2239	2247	2242	2236	2236
42.5	2130	2140	2132	2124	2127
45.0	2020	2026	2026	2015	2018
47.5	1908	1908	1908	1900	1898
50.0	1793	1791	1791	1785	1783
52.5	1676	1676	1673	1668	1660
55.0	1556	1553	1551	1551	1543
57.5	1436	1430	1430	1428	1422
60.0	1310	1310	1308	1308	1302
62.5	1188	1188	1185	1182	1180
65.0	1057	1065	1060	1057	1057
67.5	934	942	937	929	934
70.0	809	811	809	806	809
72.5	686	691	683	681	681
75.0	563	558	560	558	550
77.5	440	432	435	435	430
80.0	326	320	320	318	315
82.5	211	214	211	205	205
85.0	115	120	115	109	112
87.5	45	45	43	37	40
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1174.79	N.A.	13.50
0-30	2473.49	N.A.	28.30
0-40	4007.22	N.A.	45.90
0-60	6951.76	N.A.	79.60
0-80	8591.21	N.A.	98.40
0-90	8734.13	N.A.	100.00
10-90	8428.82	N.A.	96.50
20-40	2832.43	N.A.	32.40
20-50	4390.5	N.A.	50.30
40-70	3993.16	N.A.	45.70
60-80	1639.45	N.A.	18.80
70-80	590.83	N.A.	6.80
80-90	142.92	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	8734.13	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	305.31
10-20	869.48
20-30	1298.7
30-40	1533.73
40-50	1558.07
50-60	1386.47
60-70	1048.62
70-80	590.83
80-90	142.92
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

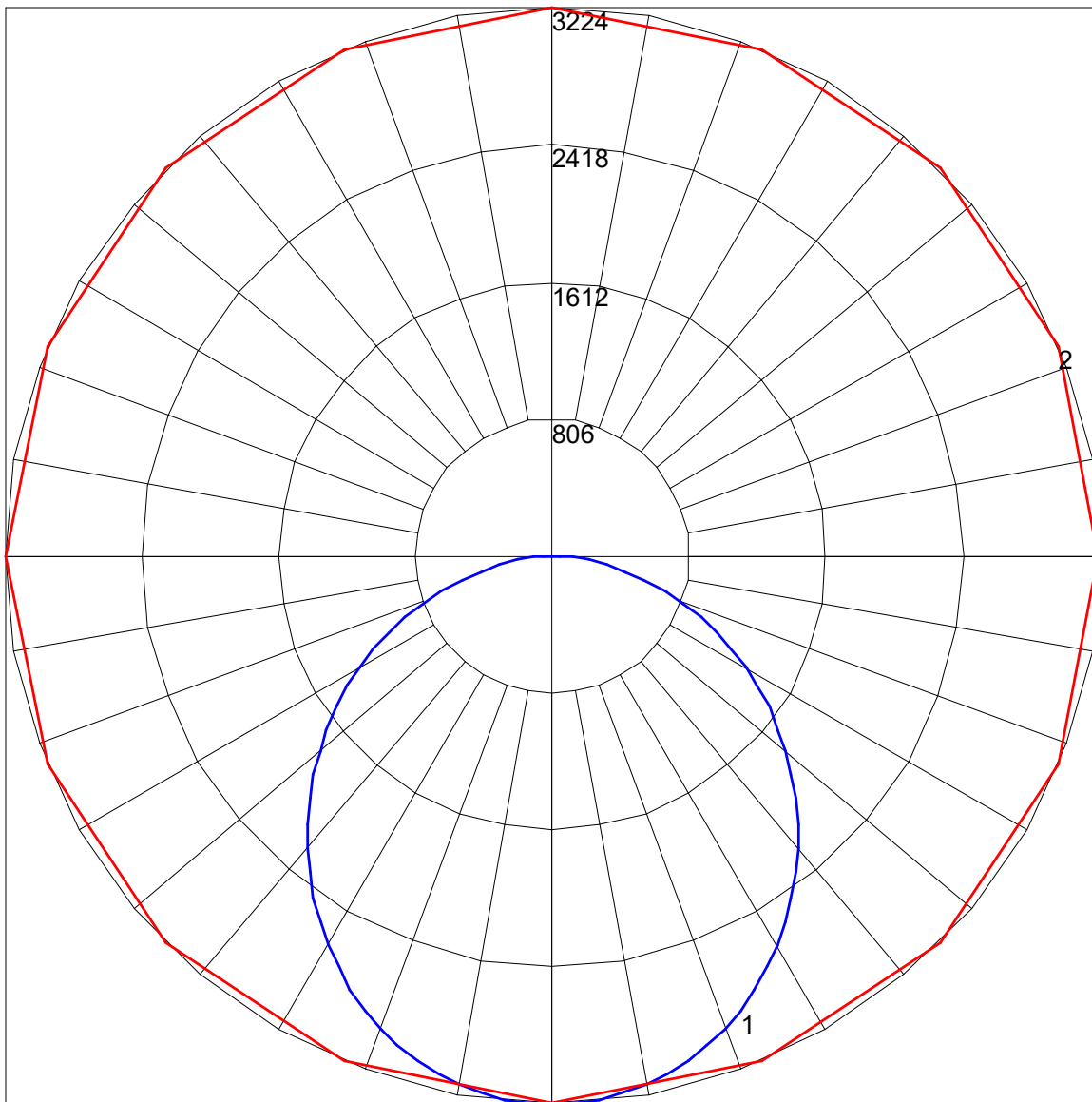
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 3224 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.)