



IES INDOOR REPORT

PHOTOMETRIC FILENAME : XRT44-LED-08L-40-80CRI.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-40-80CRI

[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	8082
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	137
Total Luminaire Watts	59
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	1777	1781	1775
55	1687	1682	1672
65	1555	1559	1555
75	1353	1348	1322
85	817	817	802

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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	2981	2981	2981	2981	2981
2.5	2981	2983	2983	2983	2983
5.0	2973	2976	2976	2973	2973
7.5	2956	2959	2956	2956	2956
10.0	2929	2931	2931	2931	2931
12.5	2894	2899	2899	2894	2897
15.0	2852	2855	2855	2852	2855
17.5	2803	2803	2803	2801	2805
20.0	2746	2746	2746	2744	2741
22.5	2684	2682	2682	2680	2677
25.0	2613	2613	2610	2608	2608
27.5	2536	2531	2531	2531	2526
30.0	2455	2450	2447	2450	2445
32.5	2368	2363	2361	2361	2356
35.0	2270	2275	2267	2267	2265
37.5	2176	2178	2173	2173	2168
40.0	2072	2079	2074	2070	2070
42.5	1971	1981	1973	1966	1968
45.0	1869	1874	1874	1865	1867
47.5	1766	1766	1766	1758	1756
50.0	1660	1657	1657	1652	1650
52.5	1551	1551	1548	1543	1536
55.0	1440	1437	1435	1435	1427
57.5	1329	1324	1324	1321	1316
60.0	1213	1213	1210	1210	1205
62.5	1099	1099	1097	1094	1092
65.0	978	985	980	978	978
67.5	864	872	867	859	864
70.0	748	751	748	746	748
72.5	635	640	632	630	630
75.0	521	516	519	516	509
77.5	407	400	403	403	398
80.0	301	296	296	294	291
82.5	195	198	195	190	190
85.0	106	111	106	101	104
87.5	42	42	40	35	37
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1087.07	N.A.	13.50
0-30	2288.76	N.A.	28.30
0-40	3708.01	N.A.	45.90
0-60	6432.81	N.A.	79.60
0-80	7949.82	N.A.	98.40
0-90	8082.12	N.A.	100.00
10-90	7799.62	N.A.	96.50
20-40	2620.94	N.A.	32.40
20-50	4062.75	N.A.	50.30
40-70	3695.02	N.A.	45.70
60-80	1517.01	N.A.	18.80
70-80	546.79	N.A.	6.80
80-90	132.30	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	8082.12	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	282.50
10-20	804.57
20-30	1201.69
30-40	1419.26
40-50	1441.81
50-60	1282.99
60-70	970.22
70-80	546.79
80-90	132.30
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

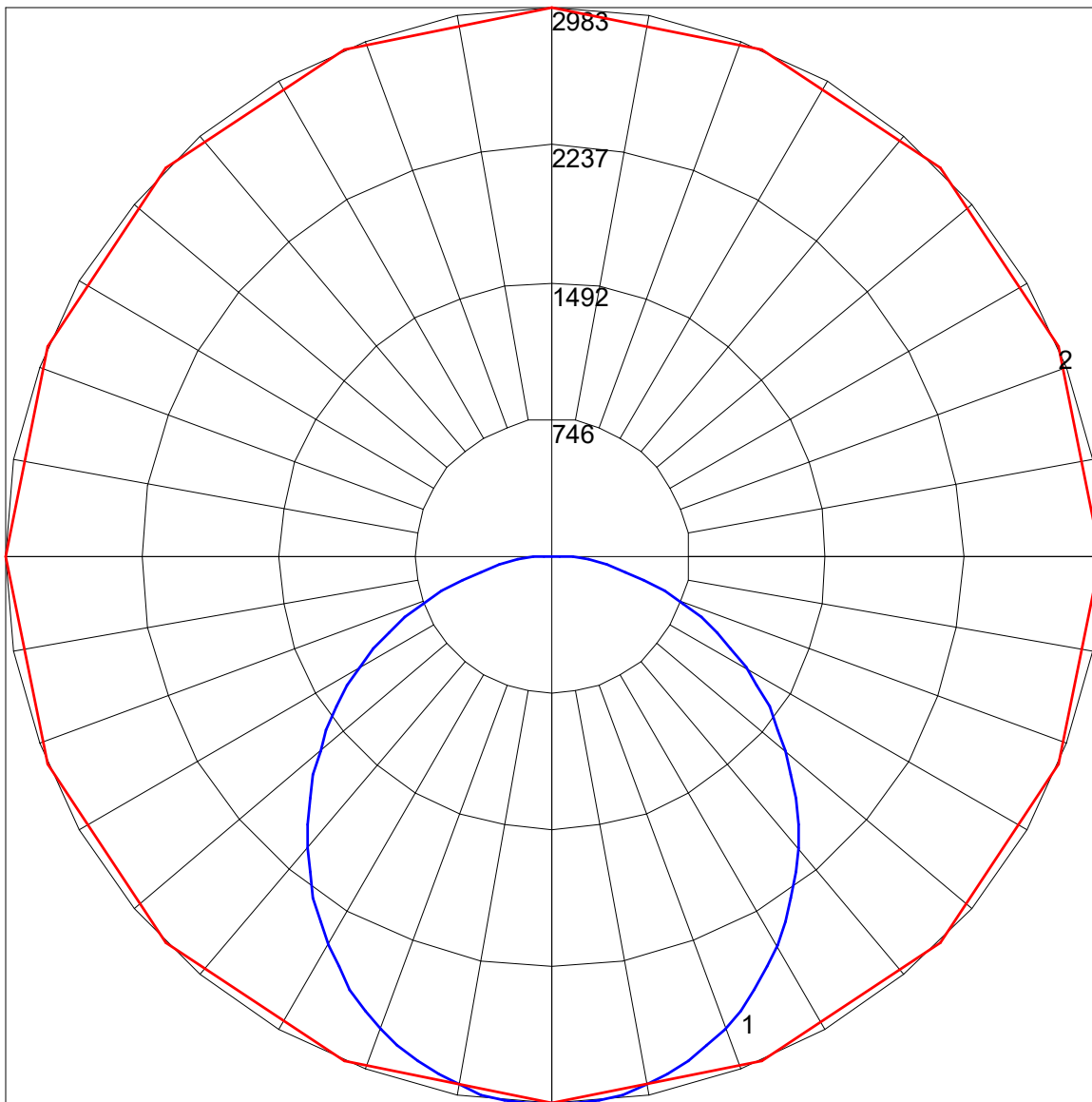
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2983 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.)