



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LXC2-48-LED-WW-24.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5197C
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]05/14/14
[TEST DATE]02/25/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]LXC2-48-LED-WW-24
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]3433

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3432
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	28.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.34
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.13 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	25928	24910	24291
55	24764	24109	23728
65	21543	22357	22431
75	16440	18374	15956
85	10051	5026	4308

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LXC2-48-LED-WW-24.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1172.456	1172.456	1172.456	1172.456	1172.456
2.5	1204.459	1184.093	1171.001	1159.364	1144.817
5.0	1203.004	1182.639	1169.547	1157.909	1144.817
7.5	1198.640	1178.275	1166.637	1155.000	1141.908
10.0	1192.821	1172.456	1160.819	1149.181	1136.090
12.5	1184.093	1163.728	1152.091	1140.453	1130.271
15.0	1172.456	1153.545	1140.453	1128.816	1118.634
17.5	1159.364	1141.908	1128.816	1115.724	1105.542
20.0	1141.908	1125.907	1112.815	1099.723	1089.540
22.5	1122.998	1108.451	1095.359	1080.812	1069.175
25.0	1102.632	1089.540	1074.994	1057.538	1045.901
27.5	1079.358	1067.720	1051.719	1032.809	1021.171
30.0	1053.174	1041.537	1025.535	1006.625	993.533
32.5	1026.990	1013.898	996.442	977.532	965.894
35.0	997.897	984.805	964.440	946.984	936.801
37.5	965.894	952.802	930.982	913.527	903.344
40.0	928.073	917.890	894.616	880.069	869.887
42.5	891.707	880.069	858.249	843.703	834.975
45.0	852.431	840.794	818.974	805.882	798.608
47.5	807.336	798.608	776.788	766.606	760.787
50.0	762.242	752.059	734.603	725.875	720.057
52.5	714.238	704.055	689.509	682.236	676.417
55.0	660.416	651.688	642.960	638.596	632.777
57.5	605.139	599.320	593.501	593.501	587.683
60.0	546.952	541.134	544.043	544.043	538.224
62.5	484.402	482.947	493.130	494.584	490.220
65.0	423.306	427.670	439.307	442.217	440.762
67.5	365.120	373.848	384.030	391.304	389.849
70.0	306.933	317.116	330.208	338.936	337.481
72.5	244.383	261.839	276.385	283.659	280.749
75.0	197.834	210.926	221.108	222.563	192.015
77.5	155.649	168.741	181.833	125.101	97.462
80.0	110.554	122.191	103.281	53.822	32.003
82.5	68.369	84.370	37.821	18.911	18.911
85.0	40.730	43.640	20.365	17.456	17.456
87.5	23.275	20.365	17.456	16.001	16.001
90.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LXC2-48-LED-WW-24.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	434.14	N.A.	12.60
0-30	929.22	N.A.	27.10
0-40	1533.26	N.A.	44.70
0-60	2743.04	N.A.	79.90
0-80	3395.45	N.A.	98.90
0-90	3432.45	N.A.	100.00
10-90	3320.96	N.A.	96.80
20-40	1099.12	N.A.	32.00
20-50	1733.22	N.A.	50.50
40-70	1640.57	N.A.	47.80
60-80	652.41	N.A.	19.00
70-80	221.61	N.A.	6.50
80-90	37.00	N.A.	1.10
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	3432.45	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	111.48
10-20	322.66
20-30	495.08
30-40	604.04
40-50	634.10
50-60	575.68
60-70	430.80
70-80	221.61
80-90	37.00
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

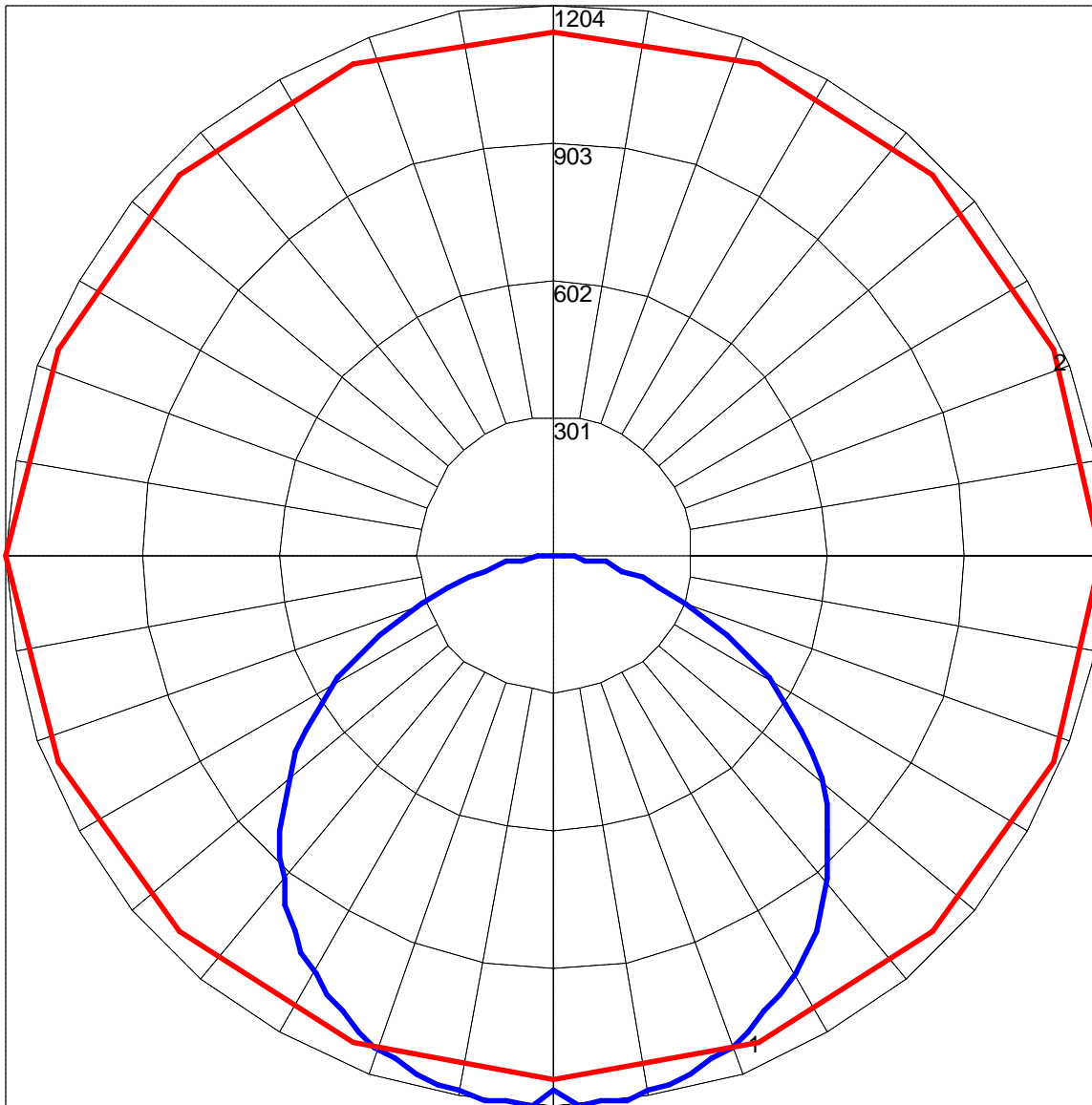
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LXC2-48-LED-WW-24.IES

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	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70
3	90	80	72	65	88	78	71	65	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	46	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 1204.459 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)