



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5171C
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]05/14/14
[TEST DATE]02/19/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]LXC2-48-LED-NW-24
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]3463

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3463
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
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	26410	25128	24552
55	25469	24378	24051
65	22205	22798	22872
75	16316	19217	16196
85	6101	2871	1436

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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	1179.543	1179.543	1179.543	1179.543	1179.543
2.5	1218.812	1194.087	1178.088	1164.998	1153.363
5.0	1215.903	1192.633	1176.634	1164.998	1151.909
7.5	1211.540	1189.724	1173.725	1162.090	1149.000
10.0	1205.722	1182.452	1166.453	1156.272	1143.182
12.5	1196.996	1175.179	1157.726	1147.545	1135.910
15.0	1186.815	1163.544	1147.545	1135.910	1124.274
17.5	1173.725	1150.454	1133.001	1121.366	1111.185
20.0	1159.181	1134.455	1117.002	1105.367	1093.731
22.5	1140.273	1117.002	1098.095	1086.459	1074.824
25.0	1119.911	1098.095	1077.733	1066.097	1053.007
27.5	1096.640	1076.278	1054.462	1042.826	1028.282
30.0	1070.460	1051.553	1028.282	1016.647	1003.557
32.5	1042.826	1023.919	1000.648	987.558	975.923
35.0	1013.738	993.376	970.105	958.469	945.379
37.5	978.831	961.378	936.653	926.472	914.836
40.0	945.379	926.472	900.292	890.111	881.385
42.5	907.564	888.657	863.931	853.750	846.478
45.0	868.295	849.387	826.116	815.935	807.209
47.5	826.116	807.209	783.938	776.666	769.393
50.0	779.574	762.121	741.759	735.942	727.215
52.5	733.033	714.125	695.218	692.309	685.037
55.0	679.219	663.220	650.130	648.676	641.404
57.5	622.496	609.406	600.680	602.134	596.316
60.0	558.501	554.138	551.229	552.683	551.229
62.5	498.869	495.961	500.324	503.233	503.233
65.0	436.329	436.329	447.964	452.328	449.419
67.5	376.697	378.152	394.151	399.968	398.514
70.0	314.157	321.429	338.882	346.154	341.791
72.5	251.616	266.161	283.614	282.159	251.616
75.0	196.348	209.438	231.254	202.166	194.894
77.5	139.625	158.533	157.078	132.353	123.627
80.0	94.538	113.446	100.356	68.358	63.995
82.5	53.814	71.267	45.087	31.997	17.453
85.0	24.725	31.997	11.635	7.272	5.818
87.5	5.818	7.272	4.363	4.363	4.363
90.0	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	437.19	N.A.	12.60
0-30	935.96	N.A.	27.00
0-40	1545.98	N.A.	44.60
0-60	2772.29	N.A.	80.00
0-80	3432.74	N.A.	99.10
0-90	3463.43	N.A.	100.00
10-90	3351.14	N.A.	96.80
20-40	1108.79	N.A.	32.00
20-50	1750.38	N.A.	50.50
40-70	1666.24	N.A.	48.10
60-80	660.45	N.A.	19.10
70-80	220.52	N.A.	6.40
80-90	30.70	N.A.	0.90
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	3463.43	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	112.30
10-20	324.89
20-30	498.77
30-40	610.02
40-50	641.59
50-60	584.72
60-70	439.93
70-80	220.52
80-90	30.70
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

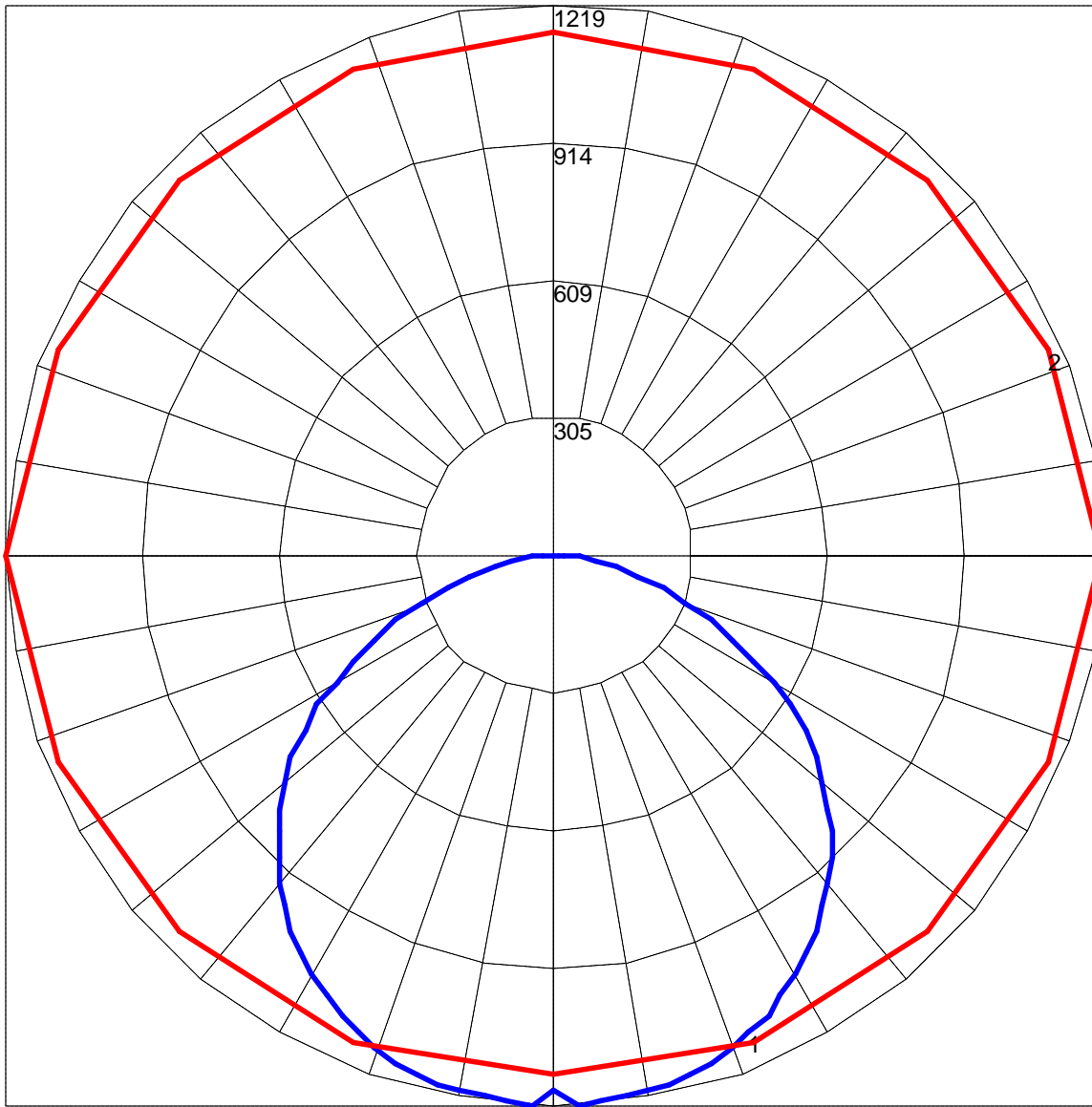
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	97	106	102	98	95	98	95	92	94	92	89	90	88	87	84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	73	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	69	61	55	67	60	54	64	58	53	62	57	53	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	51	39	31	26	38	31	26	37	31	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 1218.812 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.)