



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LXW2-48-LED-WW-24.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5244C
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]05/14/14
[TEST DATE]03/06/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]LXW2-48-LED-WW-24
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]2972

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2972
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	28.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.40
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.25 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	12552	12004	11802
55	12024	11449	8749
65	10450	7396	3562
75	7645	1440	1440
85	2468	823	1152

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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	1081.331	1081.331	1081.331	1081.331	1081.331
2.5	1119.997	1094.664	1079.997	1062.664	1053.331
5.0	1117.331	1093.331	1078.664	1062.664	1053.331
7.5	1114.664	1089.331	1074.664	1059.997	1050.664
10.0	1109.331	1083.997	1069.331	1054.664	1045.331
12.5	1101.331	1077.331	1062.664	1047.997	1038.664
15.0	1113.331	1090.664	1074.664	1059.997	1050.664
17.5	1122.664	1099.997	1082.664	1067.997	1059.997
20.0	1107.997	1085.331	1069.331	1054.664	1046.664
22.5	1091.997	1069.331	1051.997	1038.664	1030.664
25.0	1070.664	1050.664	1033.331	1018.664	1011.997
27.5	1049.331	1029.331	1011.997	998.664	991.998
30.0	1022.664	1005.331	987.998	974.664	965.331
32.5	995.998	979.998	959.998	949.331	939.998
35.0	967.998	951.998	930.664	919.998	911.998
37.5	934.664	918.664	897.331	887.998	881.331
40.0	901.331	886.664	863.998	855.998	849.331
42.5	863.998	847.998	827.998	818.665	811.998
45.0	825.331	809.331	789.331	781.331	775.998
47.5	782.665	769.331	747.998	741.331	730.665
50.0	738.665	726.665	703.998	693.332	646.665
52.5	690.665	678.665	658.665	598.665	543.999
55.0	641.332	630.665	610.665	501.332	466.666
57.5	581.332	578.665	554.665	421.332	363.999
60.0	522.665	518.665	462.666	318.666	237.333
62.5	467.999	457.332	374.666	201.333	184.000
65.0	410.666	397.332	290.666	161.333	140.000
67.5	351.999	339.999	186.666	105.333	70.666
70.0	293.333	282.666	121.333	53.333	49.333
72.5	238.666	214.666	78.666	41.333	41.333
75.0	184.000	144.000	34.667	33.333	34.667
77.5	132.000	74.666	25.333	28.000	28.000
80.0	85.333	37.333	18.667	21.333	22.667
82.5	48.000	13.333	13.333	14.667	14.667
85.0	20.000	6.667	6.667	9.333	9.333
87.5	4.000	2.667	4.000	5.333	5.333
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	407.66	N.A.	13.70
0-30	885.35	N.A.	29.80
0-40	1470.21	N.A.	49.50
0-60	2591.48	N.A.	87.20
0-80	2958.88	N.A.	99.60
0-90	2971.95	N.A.	100.00
10-90	2869.14	N.A.	96.50
20-40	1062.55	N.A.	35.80
20-50	1674.48	N.A.	56.30
40-70	1397.65	N.A.	47.00
60-80	367.40	N.A.	12.40
70-80	91.01	N.A.	3.10
80-90	13.07	N.A.	0.40
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	2971.95	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	102.81
10-20	304.85
20-30	477.69
30-40	584.86
40-50	611.93
50-60	509.34
60-70	276.39
70-80	91.01
80-90	13.07
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

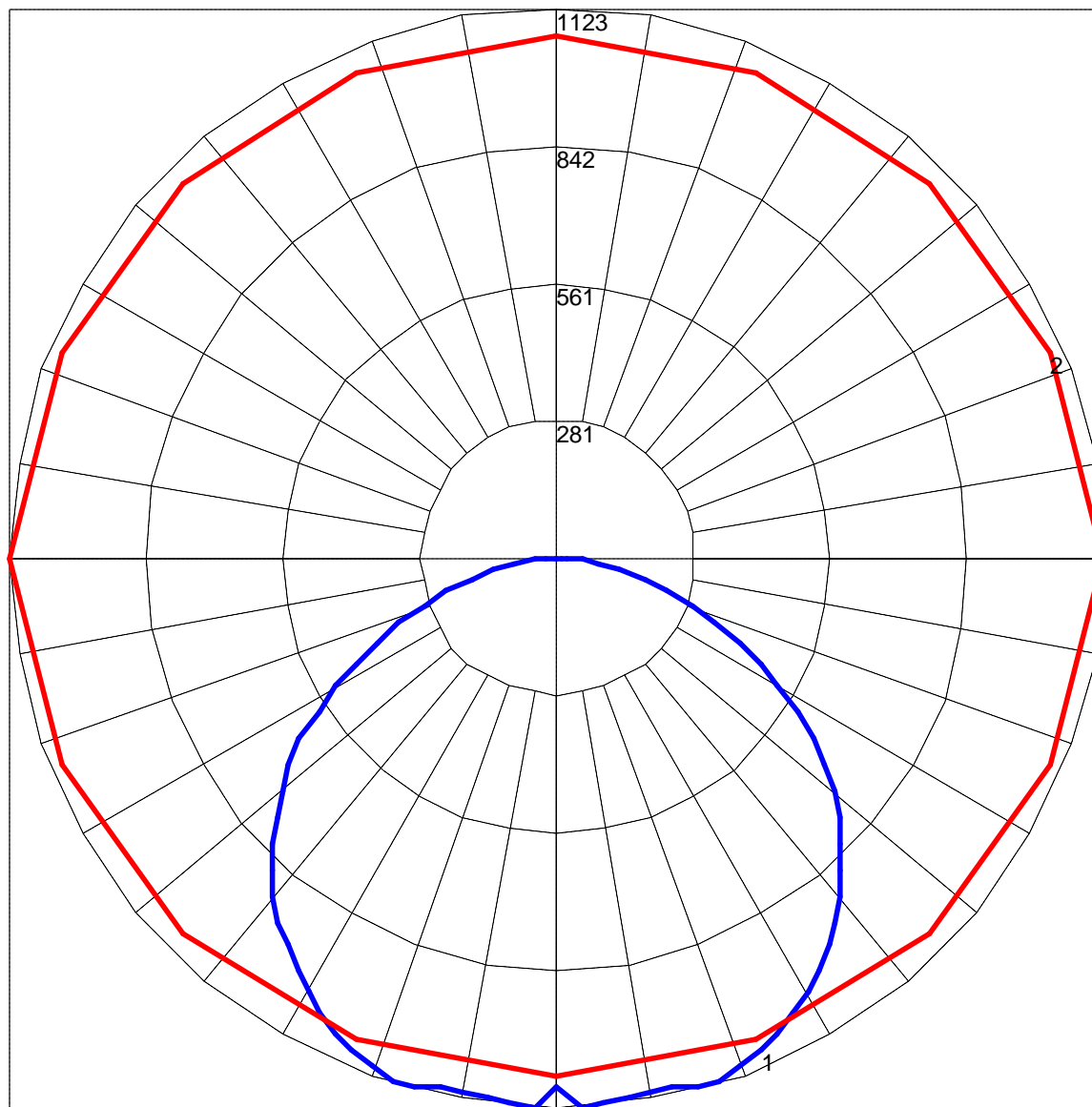
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87
2	101	94	87	82	98	92	86	81	88	83	79	85	81	78	82	79	76	74
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65	63
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	39	37
8	62	49	41	35	61	48	41	35	47	40	35	46	39	35	45	39	34	33
9	58	45	37	32	57	44	37	32	43	36	31	42	36	31	41	35	31	29
10	55	42	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26

POLAR GRAPH



Maximum Candela = 1122.664 Located At Horizontal Angle = 0, Vertical Angle = 17.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (17.5) (Through Max. Cd.)