



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

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-5243C  
[TESTLAB]LSI INDUSTRIES  
[ISSUE DATE]05/14/14  
[TEST DATE]03/06/14  
[MANUFACTURER]LSI INDUSTRIES  
[LUMEN CATEGORY]LXW2-48-LED-NW-24  
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER]TEST PROCEDURE: IESNA LM-79-08  
[ABSOLUTE LUMENS]3031

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3031
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	28.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.40
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.46
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	12634	12208	12026
55	12001	11751	8475
65	10756	6956	2816
75	8145	1662	1884
85	3620	2139	2304

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

**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0.0</b>	1090.787	1090.787	1090.787	1090.787	1090.787
<b>2.5</b>	1128.124	1104.121	1089.453	1076.118	1060.117
<b>5.0</b>	1126.791	1102.788	1088.120	1074.785	1060.117
<b>7.5</b>	1122.790	1098.788	1084.119	1070.784	1056.116
<b>10.0</b>	1117.456	1093.454	1078.785	1065.451	1050.782
<b>12.5</b>	1130.791	1105.455	1090.787	1078.785	1064.117
<b>15.0</b>	1142.792	1117.456	1102.788	1090.787	1076.118
<b>17.5</b>	1133.458	1108.122	1092.120	1081.452	1066.784
<b>20.0</b>	1117.456	1094.787	1078.785	1066.784	1053.449
<b>22.5</b>	1101.454	1078.785	1062.784	1050.782	1038.781
<b>25.0</b>	1081.452	1061.450	1044.115	1033.447	1021.446
<b>27.5</b>	1058.783	1040.114	1021.446	1012.111	1001.443
<b>30.0</b>	1033.447	1016.112	997.443	989.442	977.441
<b>32.5</b>	1005.444	992.109	970.773	965.440	953.438
<b>35.0</b>	977.441	962.773	941.437	936.103	925.435
<b>37.5</b>	945.437	932.103	909.433	904.099	893.432
<b>40.0</b>	912.100	898.766	877.430	870.762	862.762
<b>42.5</b>	874.763	861.428	841.426	836.092	828.091
<b>45.0</b>	830.758	824.091	802.755	798.755	790.754
<b>47.5</b>	781.419	778.752	761.417	760.084	750.749
<b>50.0</b>	734.747	729.414	720.079	714.745	676.074
<b>52.5</b>	688.076	680.075	673.407	634.736	566.729
<b>55.0</b>	640.070	630.736	626.736	525.391	452.050
<b>57.5</b>	581.397	581.397	573.396	413.379	354.706
<b>60.0</b>	525.391	525.391	486.720	317.368	260.029
<b>62.5</b>	472.052	465.385	381.375	220.024	189.354
<b>65.0</b>	422.713	408.045	273.363	162.685	110.679
<b>67.5</b>	370.707	353.372	190.688	82.676	62.674
<b>70.0</b>	312.034	300.033	125.347	54.673	56.006
<b>72.5</b>	250.694	233.359	61.340	49.339	50.672
<b>75.0</b>	196.022	156.017	40.004	44.005	45.338
<b>77.5</b>	141.349	84.009	34.670	38.671	40.004
<b>80.0</b>	93.344	44.005	29.337	32.004	33.337
<b>82.5</b>	60.007	20.002	22.669	25.336	25.336
<b>85.0</b>	29.337	16.002	17.335	18.669	18.669
<b>87.5</b>	13.335	10.668	12.001	10.668	10.668
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000

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

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	413.76	N.A.	13.70
0-30	896.49	N.A.	29.60
0-40	1489.3	N.A.	49.10
0-60	2629.43	N.A.	86.70
0-80	3009.68	N.A.	99.30
0-90	3031.21	N.A.	100.00
10-90	2927.5	N.A.	96.60
20-40	1075.54	N.A.	35.50
20-50	1697.97	N.A.	56.00
40-70	1420.37	N.A.	46.90
60-80	380.26	N.A.	12.50
70-80	100.01	N.A.	3.30
80-90	21.52	N.A.	0.70
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	3031.21	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	103.71
10-20	310.05
20-30	482.73
30-40	592.81
40-50	622.42
50-60	517.70
60-70	280.25
70-80	100.01
80-90	21.52
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

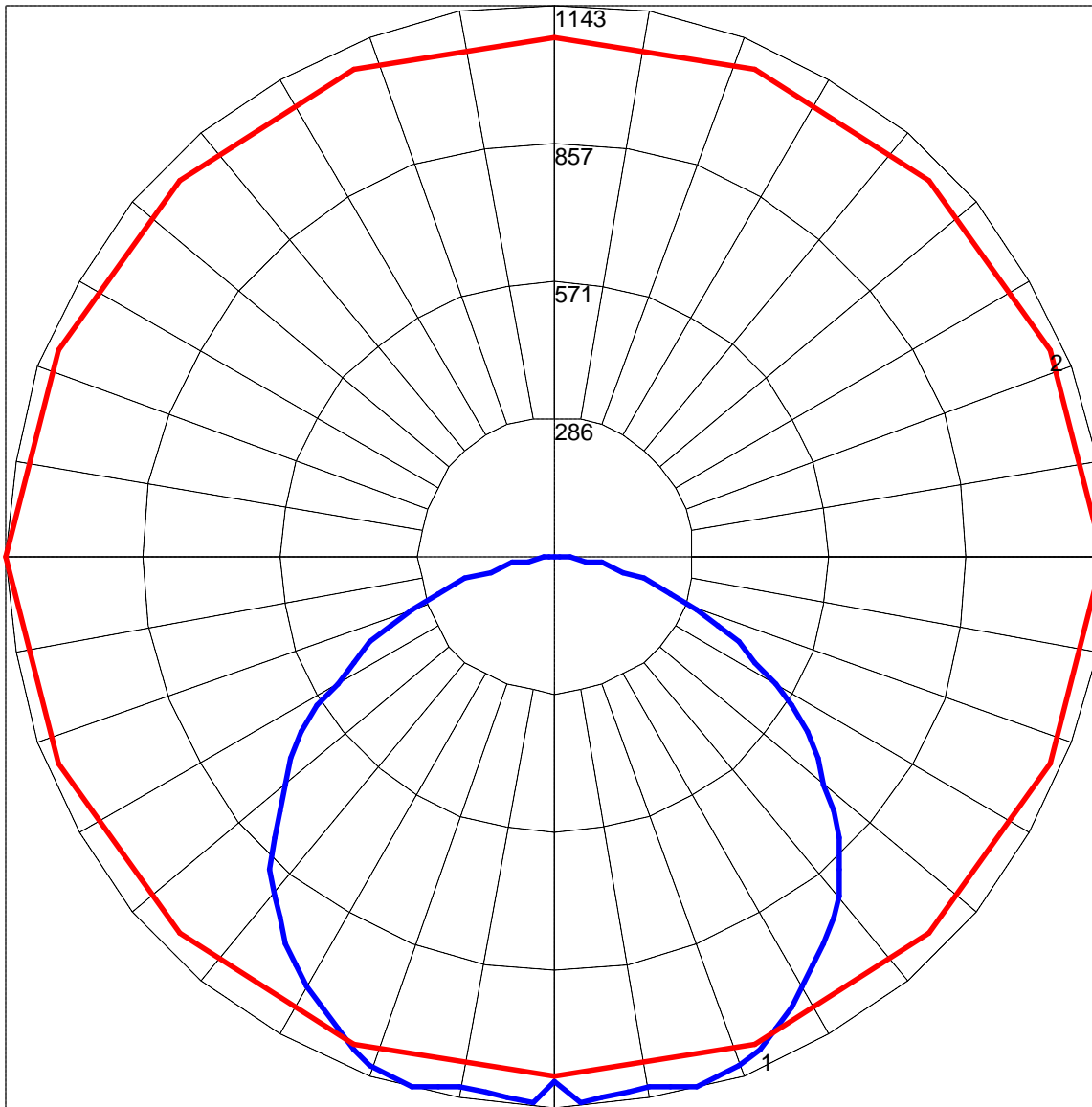
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LXW2-48-LED-NW-24.IES**

**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	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	76	74
3	92	83	75	69	90	81	74	68	78	72	67	75	70	66	73	69	65	63
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	49	59	53	49	47
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	39	49	43	38	36
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26

POLAR GRAPH



Maximum Candela = 1142.792 Located At Horizontal Angle = 0, Vertical Angle = 15  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (15) (Through Max. Cd.)