



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

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-5243B  
[TESTLAB]LSI INDUSTRIES  
[ISSUE DATE]05/14/14  
[TEST DATE]03/06/14  
[MANUFACTURER]LSI INDUSTRIES  
[LUMEN CATEGORY]LXW2-24-LED-NW-24  
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER]TEST PROCEDURE: IESNA LM-79-08  
[ABSOLUTE LUMENS]1515

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1515
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	14.3
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)	2.00 ft
Luminous Height	0.00 ft

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	12630	12204	12022
55	11997	11747	8473
65	10753	6954	2815
75	8142	1662	1883
85	3618	2138	2303

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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>
<b>0.0</b>	545.213	545.213	545.213	545.213	545.213
<b>2.5</b>	563.876	551.879	544.547	537.882	529.883
<b>5.0</b>	563.209	551.212	543.880	537.215	529.883
<b>7.5</b>	561.210	549.212	541.881	535.216	527.884
<b>10.0</b>	558.544	546.546	539.215	532.549	525.218
<b>12.5</b>	565.209	552.545	545.213	539.215	531.883
<b>15.0</b>	571.208	558.544	551.212	545.213	537.882
<b>17.5</b>	566.542	553.878	545.880	540.548	533.216
<b>20.0</b>	558.544	547.213	539.215	533.216	526.551
<b>22.5</b>	550.546	539.215	531.216	525.218	519.219
<b>25.0</b>	540.548	530.550	521.885	516.553	510.554
<b>27.5</b>	529.217	519.886	510.554	505.889	500.557
<b>30.0</b>	516.553	507.888	498.557	494.558	488.559
<b>32.5</b>	502.556	495.891	485.227	482.560	476.562
<b>35.0</b>	488.559	481.227	470.563	467.897	462.565
<b>37.5</b>	472.563	465.897	454.567	451.901	446.568
<b>40.0</b>	455.900	449.234	438.570	435.238	431.238
<b>42.5</b>	437.237	430.572	420.574	417.908	413.909
<b>45.0</b>	415.242	411.909	401.245	399.245	395.246
<b>47.5</b>	390.581	389.248	380.583	379.916	375.251
<b>50.0</b>	367.253	364.586	359.921	357.255	337.926
<b>52.5</b>	343.924	339.925	336.593	317.264	283.271
<b>55.0</b>	319.930	315.264	313.264	262.609	225.950
<b>57.5</b>	290.603	290.603	286.604	206.621	177.294
<b>60.0</b>	262.609	262.609	243.280	158.632	129.971
<b>62.5</b>	235.948	232.615	190.625	109.976	94.646
<b>65.0</b>	211.287	203.955	136.637	81.315	55.321
<b>67.5</b>	185.293	176.628	95.312	41.324	31.326
<b>70.0</b>	155.966	149.967	62.653	27.327	27.994
<b>72.5</b>	125.306	116.641	30.660	24.661	25.328
<b>75.0</b>	97.978	77.983	19.996	21.995	22.662
<b>77.5</b>	70.651	41.991	17.330	19.329	19.996
<b>80.0</b>	46.656	21.995	14.663	15.996	16.663
<b>82.5</b>	29.993	9.998	11.331	12.664	12.664
<b>85.0</b>	14.663	7.998	8.665	9.331	9.331
<b>87.5</b>	6.665	5.332	5.999	5.332	5.332
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	206.81	N.A.	13.60
0-30	448.10	N.A.	29.60
0-40	744.41	N.A.	49.10
0-60	1314.28	N.A.	86.70
0-80	1504.35	N.A.	99.30
0-90	1515.1	N.A.	100.00
10-90	1463.27	N.A.	96.60
20-40	537.59	N.A.	35.50
20-50	848.70	N.A.	56.00
40-70	709.95	N.A.	46.90
60-80	190.07	N.A.	12.50
70-80	49.99	N.A.	3.30
80-90	10.76	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	1515.1	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	51.84
10-20	154.98
20-30	241.29
30-40	296.31
40-50	311.11
50-60	258.77
60-70	140.08
70-80	49.99
80-90	10.76
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

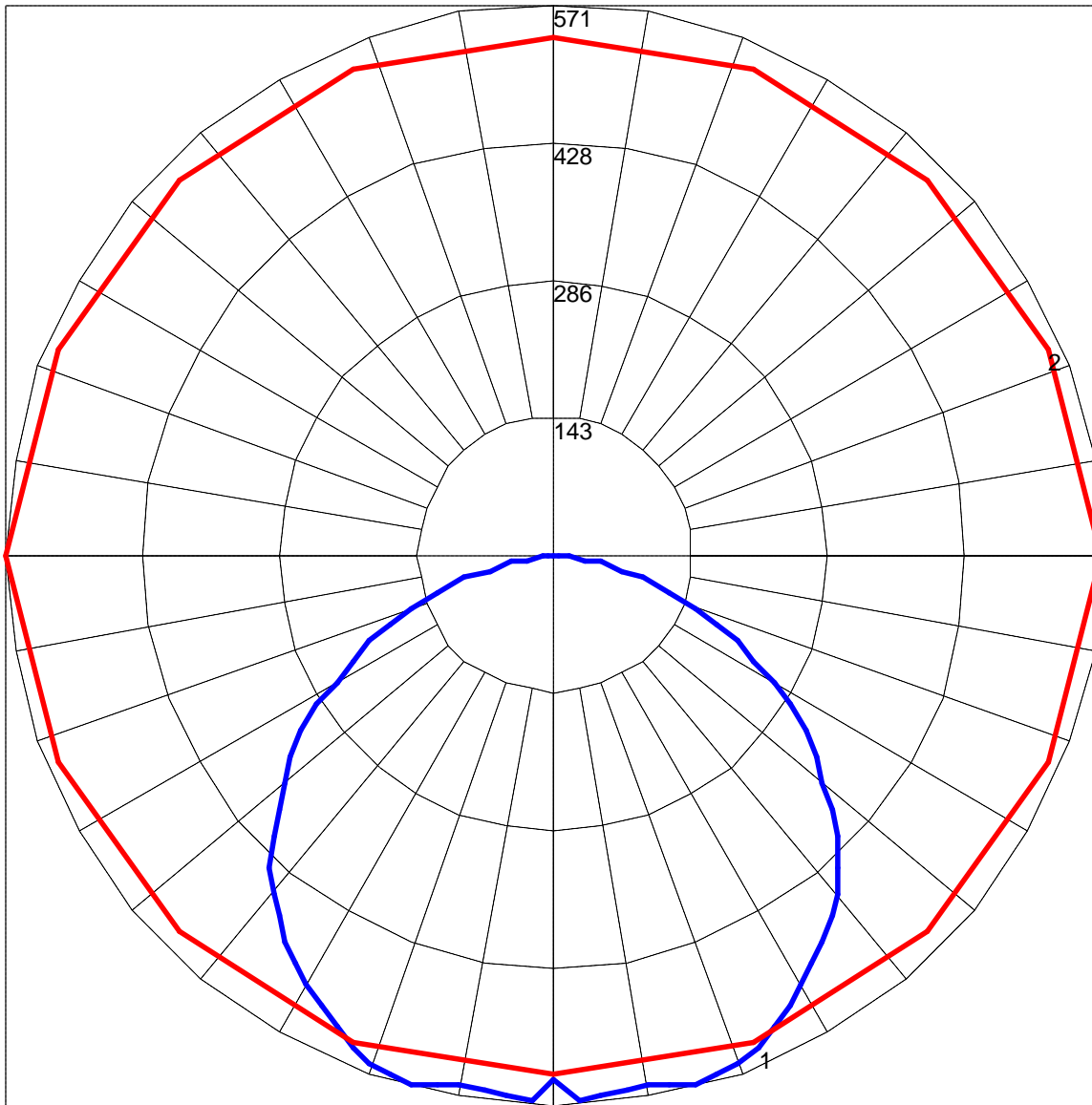
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	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 = 571.208 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.)