



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LXW2-60-LED-NW-24.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5243D
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]05/14/14
[TEST DATE]03/06/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]LXW2-60-LED-NW-24
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]3788

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3788
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	34.7
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)	5.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	12632	12206	12024
55	11998	11748	8474
65	10754	6955	2816
75	8143	1662	1883
85	3619	2139	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>
0.0	1363.213	1363.213	1363.213	1363.213	1363.213
2.5	1409.876	1379.879	1361.547	1344.882	1324.883
5.0	1408.209	1378.212	1359.880	1343.215	1324.883
7.5	1403.210	1373.212	1354.881	1338.216	1319.884
10.0	1396.544	1366.546	1348.215	1331.549	1313.218
12.5	1413.209	1381.545	1363.213	1348.215	1329.883
15.0	1428.208	1396.544	1378.212	1363.213	1344.882
17.5	1416.542	1384.878	1364.880	1351.548	1333.216
20.0	1396.544	1368.213	1348.215	1333.216	1316.551
22.5	1376.546	1348.215	1328.216	1313.218	1298.219
25.0	1351.548	1326.550	1304.885	1291.553	1276.554
27.5	1323.217	1299.886	1276.554	1264.889	1251.557
30.0	1291.553	1269.888	1246.557	1236.558	1221.559
32.5	1256.556	1239.891	1213.227	1206.560	1191.562
35.0	1221.559	1203.227	1176.563	1169.897	1156.565
37.5	1181.563	1164.897	1136.567	1129.901	1116.568
40.0	1139.900	1123.234	1096.570	1088.238	1078.238
42.5	1093.237	1076.572	1051.574	1044.908	1034.909
45.0	1038.242	1029.909	1003.245	998.245	988.246
47.5	976.581	973.248	951.583	949.916	938.251
50.0	918.253	911.586	899.921	893.255	844.926
52.5	859.924	849.925	841.593	793.264	708.271
55.0	799.930	788.264	783.264	656.609	564.950
57.5	726.603	726.603	716.604	516.621	443.294
60.0	656.609	656.609	608.280	396.632	324.971
62.5	589.948	581.615	476.625	274.976	236.646
65.0	528.287	509.955	341.637	203.315	138.321
67.5	463.293	441.628	238.312	103.324	78.326
70.0	389.966	374.967	156.653	68.327	69.994
72.5	313.306	291.641	76.660	61.661	63.328
75.0	244.978	194.983	49.996	54.995	56.662
77.5	176.651	104.991	43.330	48.329	49.996
80.0	116.656	54.995	36.663	39.996	41.663
82.5	74.993	24.998	28.331	31.664	31.664
85.0	36.663	19.998	21.665	23.331	23.331
87.5	16.665	13.332	14.999	13.332	13.332
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	517.10	N.A.	13.70
0-30	1120.39	N.A.	29.60
0-40	1861.26	N.A.	49.10
0-60	3286.13	N.A.	86.70
0-80	3761.36	N.A.	99.30
0-90	3788.26	N.A.	100.00
10-90	3658.65	N.A.	96.60
20-40	1344.16	N.A.	35.50
20-50	2122.04	N.A.	56.00
40-70	1775.11	N.A.	46.90
60-80	475.23	N.A.	12.50
70-80	124.99	N.A.	3.30
80-90	26.90	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	3788.26	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	129.61
10-20	387.49
20-30	603.29
30-40	740.87
40-50	777.87
50-60	647.00
60-70	350.24
70-80	124.99
80-90	26.90
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

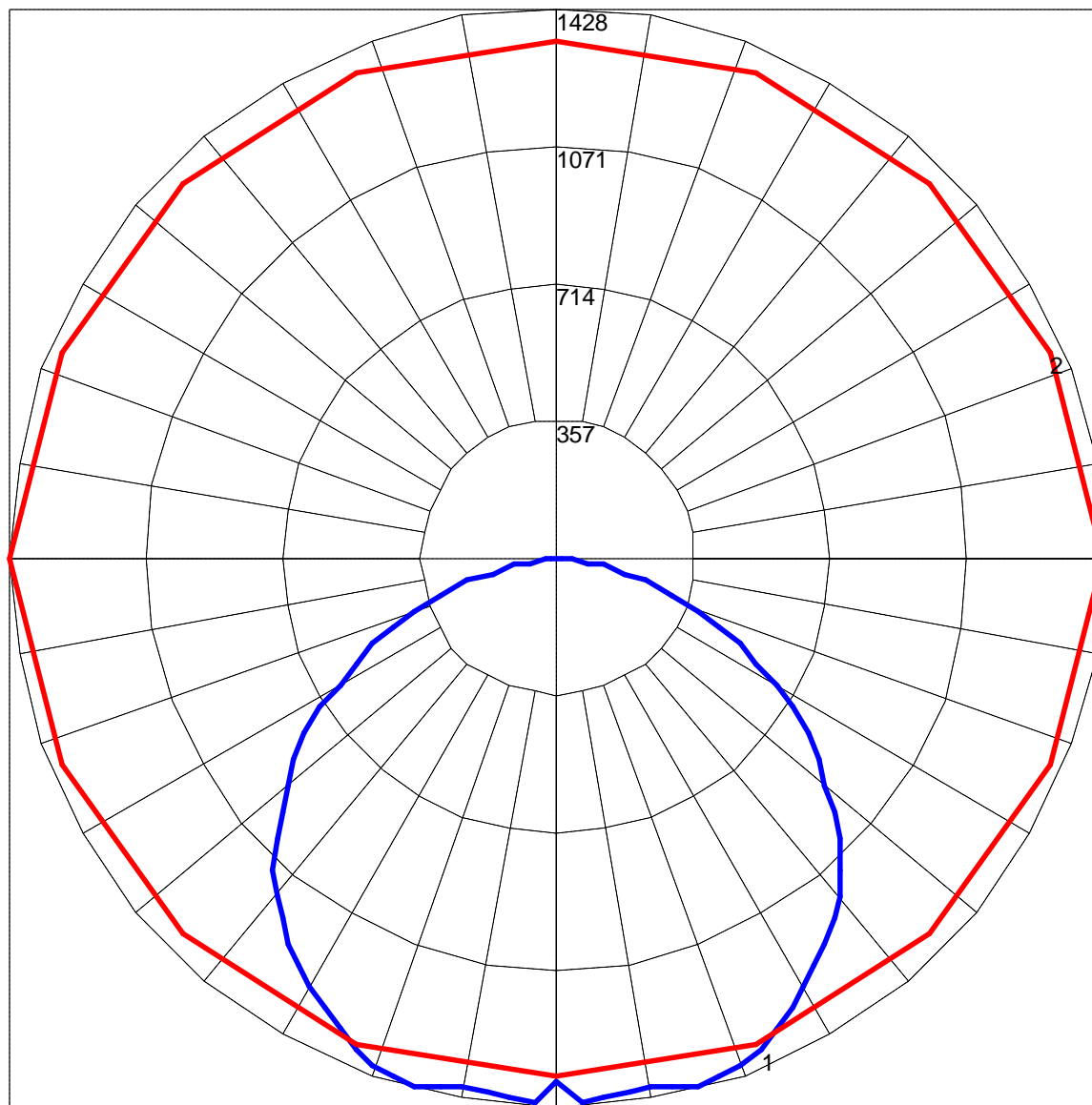
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1428.208 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.)