



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5244D
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]05/14/14
[TEST DATE]03/06/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]LXW2-60-LED-WW-24
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]3715

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3715
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	34.7
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)	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	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	1351.669	1351.669	1351.669	1351.669	1351.669
2.5	1400.003	1368.336	1350.003	1328.336	1316.669
5.0	1396.669	1366.669	1348.336	1328.336	1316.669
7.5	1393.336	1361.669	1343.336	1325.003	1313.336
10.0	1386.669	1355.003	1336.669	1318.336	1306.669
12.5	1376.669	1346.669	1328.336	1310.003	1298.336
15.0	1391.669	1363.336	1343.336	1325.003	1313.336
17.5	1403.336	1375.003	1353.336	1335.003	1325.003
20.0	1385.003	1356.669	1336.669	1318.336	1308.336
22.5	1365.003	1336.669	1315.003	1298.336	1288.336
25.0	1338.336	1313.336	1291.669	1273.336	1265.003
27.5	1311.669	1286.669	1265.003	1248.336	1240.002
30.0	1278.336	1256.669	1235.002	1218.336	1206.669
32.5	1245.002	1225.002	1200.002	1186.669	1175.002
35.0	1210.002	1190.002	1163.336	1150.002	1140.002
37.5	1168.336	1148.336	1121.669	1110.002	1101.669
40.0	1126.669	1108.336	1080.002	1070.002	1061.669
42.5	1080.002	1060.002	1035.002	1023.335	1015.002
45.0	1031.669	1011.669	986.669	976.669	970.002
47.5	978.335	961.669	935.002	926.669	913.335
50.0	923.335	908.335	880.002	866.668	808.335
52.5	863.335	848.335	823.335	748.335	680.001
55.0	801.668	788.335	763.335	626.668	583.334
57.5	726.668	723.335	693.335	526.668	455.001
60.0	653.335	648.335	578.334	398.334	296.667
62.5	585.001	571.668	468.334	251.667	230.000
65.0	513.334	496.668	363.334	201.667	175.000
67.5	440.001	425.001	233.334	131.667	88.334
70.0	366.667	353.334	151.667	66.667	61.667
72.5	298.334	268.334	98.334	51.667	51.667
75.0	230.000	180.000	43.333	41.667	43.333
77.5	165.000	93.334	31.667	35.000	35.000
80.0	106.667	46.667	23.333	26.667	28.333
82.5	60.000	16.667	16.667	18.333	18.333
85.0	25.000	8.333	8.333	11.667	11.667
87.5	5.000	3.333	5.000	6.667	6.667
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	509.58	N.A.	13.70
0-30	1106.69	N.A.	29.80
0-40	1837.78	N.A.	49.50
0-60	3239.36	N.A.	87.20
0-80	3698.61	N.A.	99.60
0-90	3714.95	N.A.	100.00
10-90	3586.44	N.A.	96.50
20-40	1328.2	N.A.	35.80
20-50	2093.11	N.A.	56.30
40-70	1747.07	N.A.	47.00
60-80	459.25	N.A.	12.40
70-80	113.76	N.A.	3.10
80-90	16.34	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	3714.95	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	128.51
10-20	381.07
20-30	597.12
30-40	731.08
40-50	764.91
50-60	636.68
60-70	345.48
70-80	113.76
80-90	16.34
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

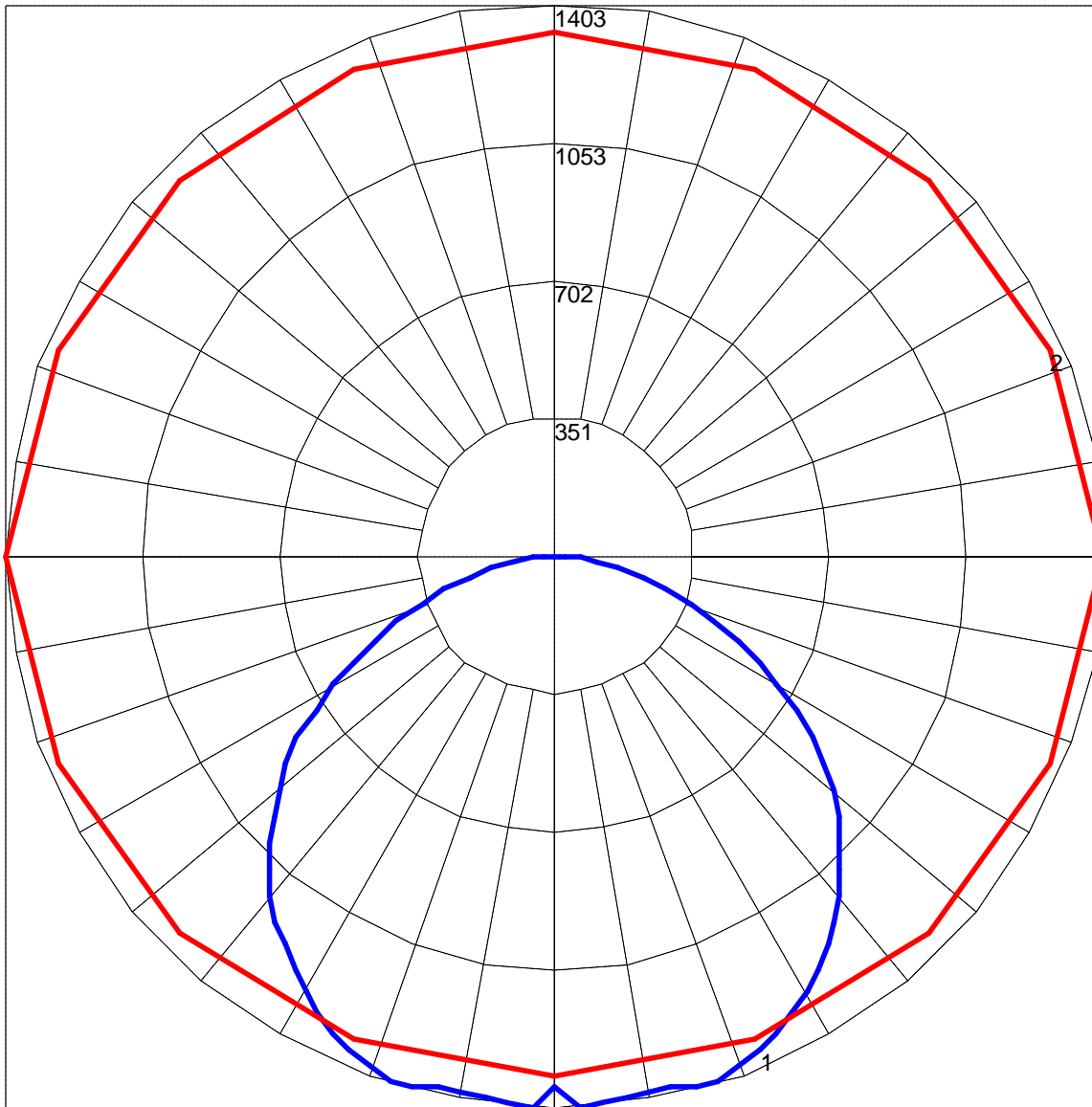
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1403.336 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.)