



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5244B
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]05/14/14
[TEST DATE]03/06/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]LXW2-24-LED-WW-24
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]1486

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1486
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	14.3
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)	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	12552	12004	11802
55	12024	11449	8749
65	10450	7396	3562
75	7645	1440	1440
85	2468	822	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	540.669	540.669	540.669	540.669	540.669
2.5	560.003	547.336	540.003	531.336	526.669
5.0	558.669	546.669	539.336	531.336	526.669
7.5	557.336	544.669	537.336	530.003	525.336
10.0	554.669	542.003	534.669	527.336	522.669
12.5	550.669	538.669	531.336	524.003	519.336
15.0	556.669	545.336	537.336	530.003	525.336
17.5	561.336	550.003	541.336	534.003	530.003
20.0	554.003	542.669	534.669	527.336	523.336
22.5	546.003	534.669	526.003	519.336	515.336
25.0	535.336	525.336	516.669	509.336	506.003
27.5	524.669	514.669	506.003	499.336	496.002
30.0	511.336	502.669	494.002	487.336	482.669
32.5	498.003	490.002	480.002	474.669	470.002
35.0	484.002	476.002	465.336	460.002	456.002
37.5	467.336	459.336	448.669	444.002	440.669
40.0	450.669	443.336	432.002	428.002	424.669
42.5	432.002	424.002	414.002	409.335	406.002
45.0	412.669	404.669	394.669	390.669	388.002
47.5	391.335	384.669	374.002	370.669	365.335
50.0	369.335	363.335	352.002	346.668	323.335
52.5	345.335	339.335	329.335	299.335	272.001
55.0	320.668	315.335	305.335	250.668	233.335
57.5	290.668	289.335	277.335	210.668	182.001
60.0	261.335	259.335	231.334	159.334	118.667
62.5	234.001	228.668	187.334	100.667	92.000
65.0	205.334	198.668	145.334	80.667	70.000
67.5	176.001	170.001	93.334	52.667	35.334
70.0	146.667	141.334	60.667	26.667	24.667
72.5	119.334	107.334	39.334	20.667	20.667
75.0	92.000	72.000	17.333	16.667	17.333
77.5	66.000	37.334	12.667	14.000	14.000
80.0	42.667	18.667	9.333	10.667	11.333
82.5	24.000	6.667	6.667	7.333	7.333
85.0	10.000	3.333	3.333	4.667	4.667
87.5	2.000	1.333	2.000	2.667	2.667
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	203.83	N.A.	13.70
0-30	442.68	N.A.	29.80
0-40	735.11	N.A.	49.50
0-60	1295.75	N.A.	87.20
0-80	1479.45	N.A.	99.60
0-90	1485.99	N.A.	100.00
10-90	1434.58	N.A.	96.50
20-40	531.28	N.A.	35.80
20-50	837.25	N.A.	56.30
40-70	698.83	N.A.	47.00
60-80	183.70	N.A.	12.40
70-80	45.51	N.A.	3.10
80-90	6.54	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	1485.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	51.40
10-20	152.43
20-30	238.85
30-40	292.43
40-50	305.97
50-60	254.67
60-70	138.19
70-80	45.51
80-90	6.54
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

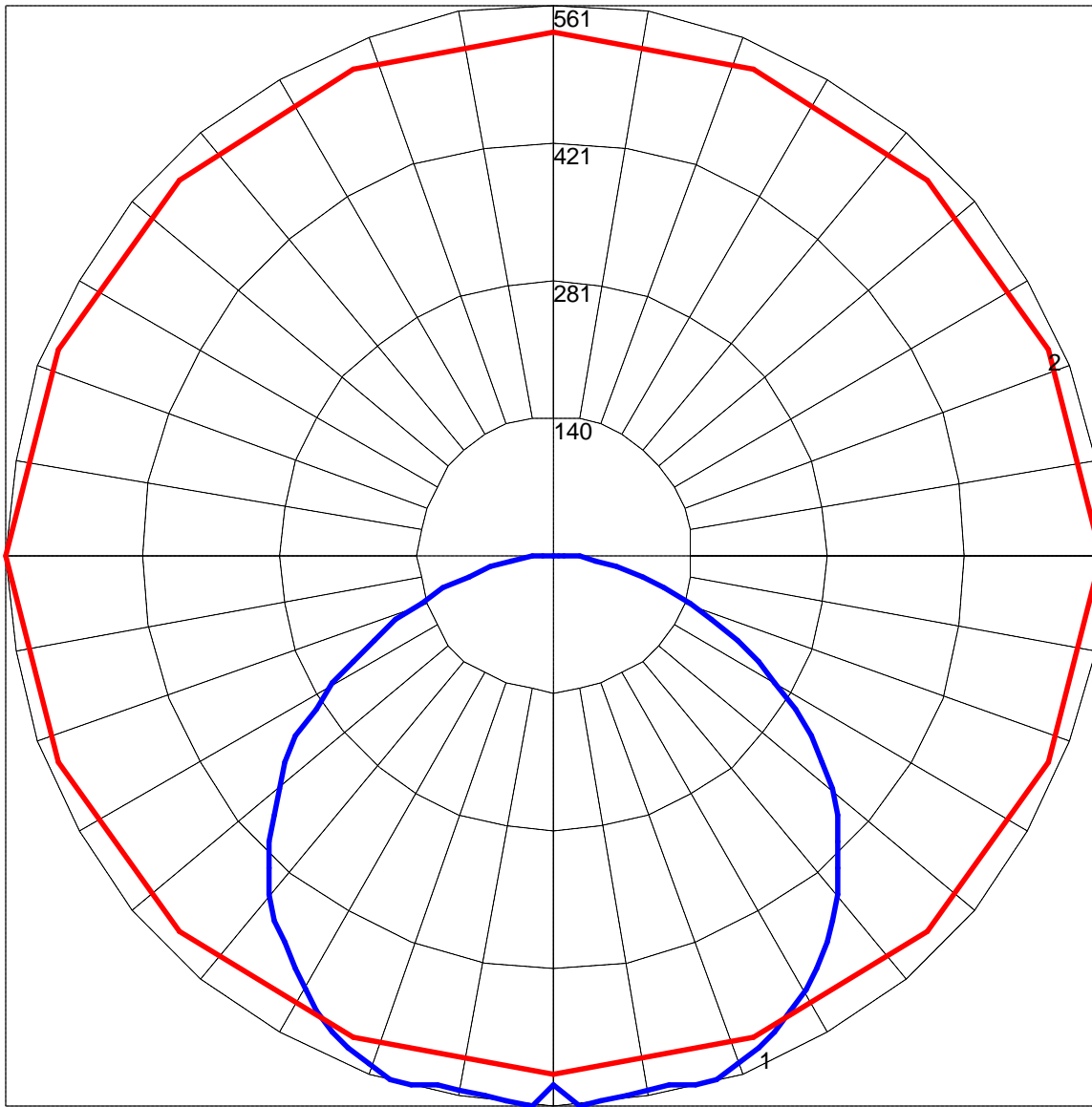
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 561.336 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.)