



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LXW2-36-LED-NW-24.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5243A
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]03/06/14
[TEST DATE]03/06/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]LXW2-36-LED-NW-24
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]2273

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2273
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	20.5
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)	3.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	12633	12207	12025
55	11999	11749	8474
65	10755	6955	2816
75	8144	1662	1884
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	818	818	818	818	818
2.5	846	828	817	807	795
5.0	845	827	816	806	795
7.5	842	824	813	803	792
10.0	838	820	809	799	788
12.5	848	829	818	809	798
15.0	857	838	827	818	807
17.5	850	831	819	811	800
20.0	838	821	809	800	790
22.5	826	809	797	788	779
25.0	811	796	783	775	766
27.5	794	780	766	759	751
30.0	775	762	748	742	733
32.5	754	744	728	724	715
35.0	733	722	706	702	694
37.5	709	699	682	678	670
40.0	684	674	658	653	647
42.5	656	646	631	627	621
45.0	623	618	602	599	593
47.5	586	584	571	570	563
50.0	551	547	540	536	507
52.5	516	510	505	476	425
55.0	480	473	470	394	339
57.5	436	436	430	310	266
60.0	394	394	365	238	195
62.5	354	349	286	165	142
65.0	317	306	205	122	83
67.5	278	265	143	62	47
70.0	234	225	94	41	42
72.5	188	175	46	37	38
75.0	147	117	30	33	34
77.5	106	63	26	29	30
80.0	70	33	22	24	25
82.5	45	15	17	19	19
85.0	22	12	13	14	14
87.5	10	8	9	8	8
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	310.29	N.A.	13.70
0-30	672.29	N.A.	29.60
0-40	1116.85	N.A.	49.10
0-60	1971.85	N.A.	86.70
0-80	2257.01	N.A.	99.30
0-90	2273.15	N.A.	100.00
10-90	2195.38	N.A.	96.60
20-40	806.57	N.A.	35.50
20-50	1273.33	N.A.	56.00
40-70	1065.16	N.A.	46.90
60-80	285.16	N.A.	12.50
70-80	75.00	N.A.	3.30
80-90	16.14	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	2273.15	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	77.77
10-20	232.51
20-30	362.01
30-40	444.56
40-50	466.77
50-60	388.23
60-70	210.16
70-80	75.00
80-90	16.14
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

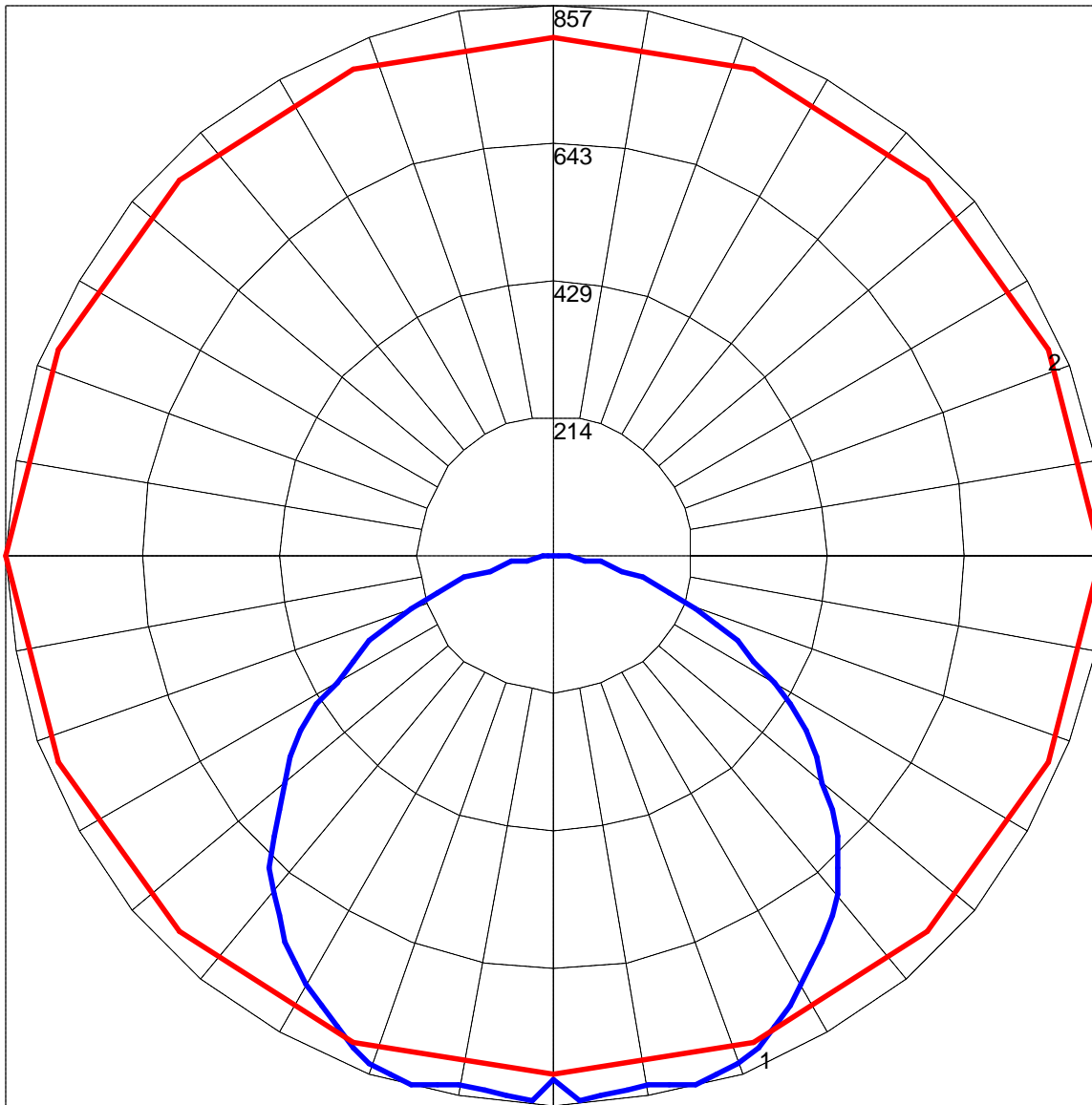
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 857 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.)