



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5244A
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]03/06/14
[TEST DATE]03/06/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]LXW2-36-LED-WW-24
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]2229

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2229
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	20.5
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)	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	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	811	811	811	811	811
2.5	840	821	810	797	790
5.0	838	820	809	797	790
7.5	836	817	806	795	788
10.0	832	813	802	791	784
12.5	826	808	797	786	779
15.0	835	818	806	795	788
17.5	842	825	812	801	795
20.0	831	814	802	791	785
22.5	819	802	789	779	773
25.0	803	788	775	764	759
27.5	787	772	759	749	744
30.0	767	754	741	731	724
32.5	747	735	720	712	705
35.0	726	714	698	690	684
37.5	701	689	673	666	661
40.0	676	665	648	642	637
42.5	648	636	621	614	609
45.0	619	607	592	586	582
47.5	587	577	561	556	548
50.0	554	545	528	520	485
52.5	518	509	494	449	408
55.0	481	473	458	376	350
57.5	436	434	416	316	273
60.0	392	389	347	239	178
62.5	351	343	281	151	138
65.0	308	298	218	121	105
67.5	264	255	140	79	53
70.0	220	212	91	40	37
72.5	179	161	59	31	31
75.0	138	108	26	25	26
77.5	99	56	19	21	21
80.0	64	28	14	16	17
82.5	36	10	10	11	11
85.0	15	5	5	7	7
87.5	3	2	3	4	4
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	305.75	N.A.	13.70
0-30	664.02	N.A.	29.80
0-40	1102.66	N.A.	49.50
0-60	1943.61	N.A.	87.20
0-80	2219.16	N.A.	99.60
0-90	2228.97	N.A.	100.00
10-90	2151.86	N.A.	96.50
20-40	796.92	N.A.	35.80
20-50	1255.86	N.A.	56.30
40-70	1048.24	N.A.	47.00
60-80	275.55	N.A.	12.40
70-80	68.26	N.A.	3.10
80-90	9.81	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	2228.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	77.11
10-20	228.64
20-30	358.27
30-40	438.65
40-50	458.95
50-60	382.00
60-70	207.29
70-80	68.26
80-90	9.81
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

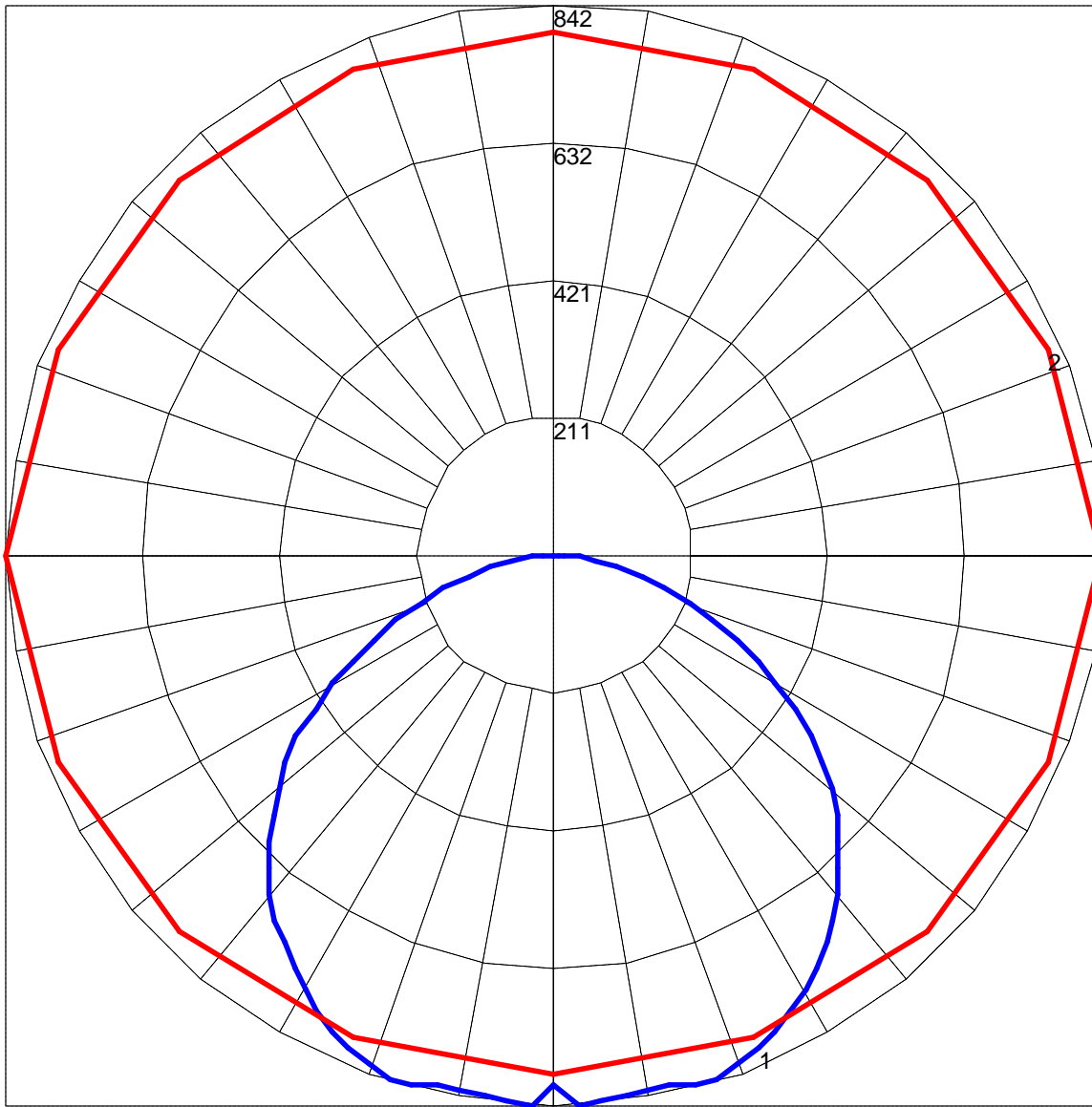
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 842 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.)