



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDL3-12-LED-WW-24.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5241B
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]05/14/14
[TEST DATE]03/06/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]LDL3-12-LED-WW-24
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]421

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	421
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	4.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.34
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.00 ft
Luminous Width (90-270)	0.06 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	28168	26950	24515
55	27020	24018	16612
65	24176	15212	12631
75	18407	7319	5101
85	8562	5269	4610

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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	159.794	159.794	159.794	159.794	159.794
2.5	164.798	161.462	160.128	157.126	155.791
5.0	164.465	161.129	159.794	156.792	155.458
7.5	164.131	160.462	159.127	156.125	154.790
10.0	163.130	159.461	158.126	155.124	153.790
12.5	162.130	158.460	156.792	153.790	152.455
15.0	160.462	156.792	155.124	152.455	151.121
17.5	158.460	154.790	153.122	150.454	149.119
20.0	156.458	152.789	151.121	148.452	147.118
22.5	153.790	150.120	148.452	145.783	144.782
25.0	150.787	147.118	145.450	143.114	142.114
27.5	147.785	144.115	142.447	140.112	139.111
30.0	144.115	140.446	138.778	136.776	135.442
32.5	140.112	136.776	134.774	133.106	132.106
35.0	135.775	132.439	130.438	128.770	128.102
37.5	131.438	128.102	126.101	124.433	123.098
40.0	126.434	123.432	121.097	119.095	117.427
42.5	121.430	118.428	116.093	112.757	110.422
45.0	115.759	113.090	110.755	105.418	100.747
47.5	109.754	107.086	104.750	96.077	89.405
50.0	103.416	101.081	97.745	84.067	76.061
52.5	97.078	94.409	90.072	71.057	63.718
55.0	90.072	87.737	80.064	59.047	55.378
57.5	83.066	80.731	68.054	51.041	48.372
60.0	75.727	73.392	55.711	44.035	42.701
62.5	68.054	66.053	44.702	38.698	37.363
65.0	59.381	58.046	37.363	33.026	31.025
67.5	51.708	49.039	31.025	26.021	21.350
70.0	43.368	39.698	25.354	16.346	13.010
72.5	35.362	28.690	19.015	10.342	9.674
75.0	27.689	19.682	11.009	8.006	7.673
77.5	20.016	13.678	7.006	6.005	5.671
80.0	13.344	9.341	5.004	4.670	4.670
82.5	8.006	5.004	3.670	3.336	3.336
85.0	4.337	3.002	2.669	2.669	2.335
87.5	2.002	1.668	1.668	1.668	1.668
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	58.94	N.A.	14.00
0-30	126.06	N.A.	29.90
0-40	207.94	N.A.	49.40
0-60	358.92	N.A.	85.20
0-80	417.64	N.A.	99.20
0-90	421.05	N.A.	100.00
10-90	405.89	N.A.	96.40
20-40	149.00	N.A.	35.40
20-50	232.80	N.A.	55.30
40-70	193.56	N.A.	46.00
60-80	58.71	N.A.	13.90
70-80	16.14	N.A.	3.80
80-90	3.42	N.A.	0.80
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	421.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	15.17
10-20	43.77
20-30	67.12
30-40	81.88
40-50	83.79
50-60	67.18
60-70	42.58
70-80	16.14
80-90	3.42
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

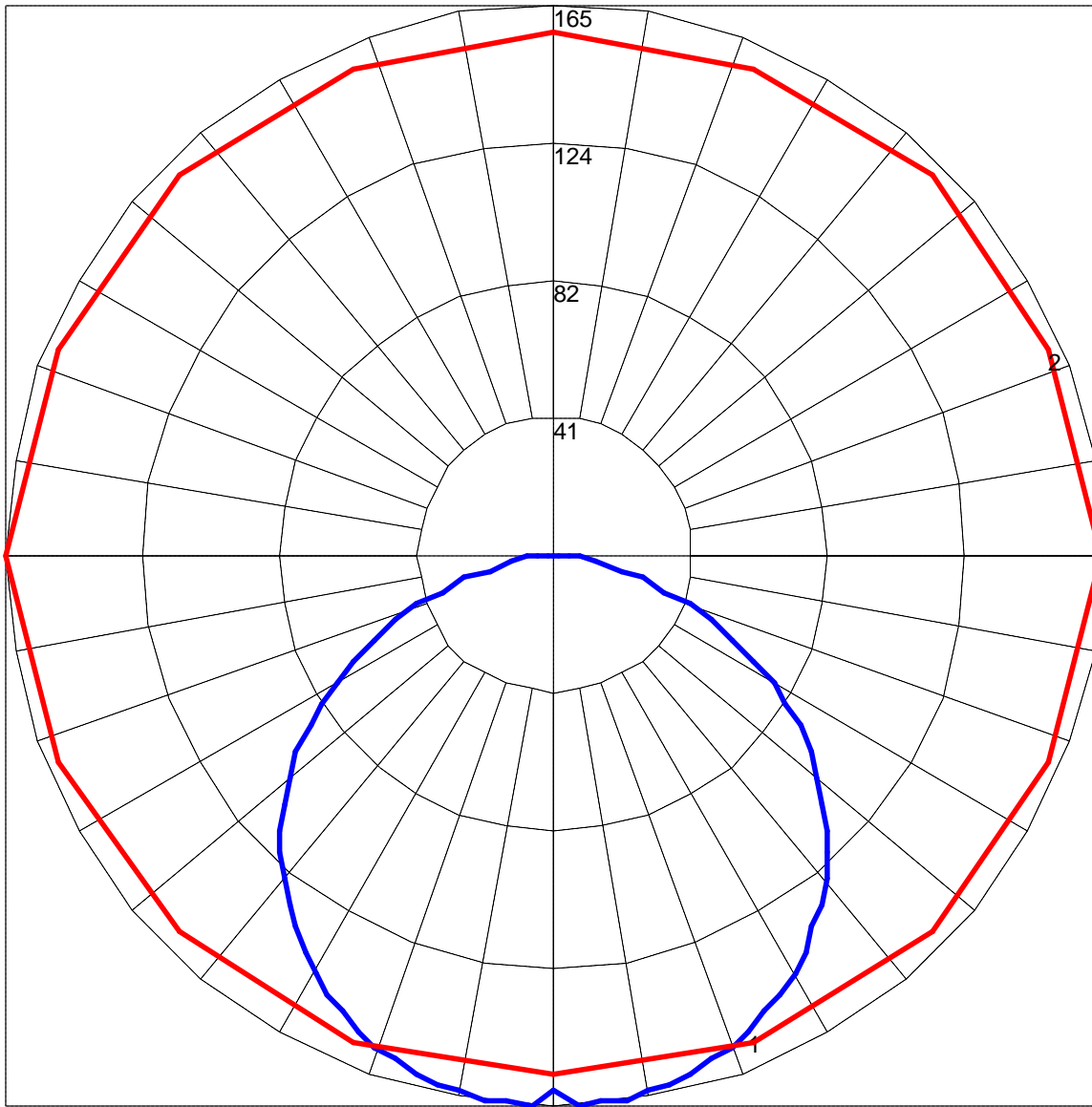
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	93	87	81	98	91	85	81	88	83	79	84	80	77	81	78	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	56	50	62	55	50	60	54	49	59	53	49	47
6	72	59	51	44	70	58	50	44	56	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	35	45	39	34	32
9	58	45	37	32	57	44	37	31	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 = 164.798 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)