



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5240B
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]05/14/14
[TEST DATE]03/06/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]LDL3-12-LED-NW-24
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]423

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	423
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	28249	27031	24028
55	27020	23317	17913
65	24311	16162	11409
75	17964	9314	5322
85	7245	3952	3952

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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	160.128	160.128	160.128	160.128	160.128
2.5	165.466	161.462	160.128	157.793	156.458
5.0	165.132	161.129	159.794	157.459	156.125
7.5	164.465	160.795	159.461	156.792	155.458
10.0	163.464	159.794	158.460	156.125	154.790
12.5	162.463	158.794	157.126	154.457	153.456
15.0	160.795	157.126	155.791	153.122	152.122
17.5	158.794	155.124	153.790	151.121	149.786
20.0	156.458	153.122	151.454	148.786	147.785
22.5	154.123	150.787	148.786	146.450	145.450
25.0	151.121	147.785	146.117	143.782	142.781
27.5	147.785	144.449	142.447	140.446	139.778
30.0	144.115	141.113	138.778	137.110	136.442
32.5	140.446	137.110	135.108	133.440	132.439
35.0	136.109	133.106	130.771	129.103	128.102
37.5	131.772	128.770	126.768	124.433	123.098
40.0	126.768	123.766	121.764	118.428	116.760
42.5	121.764	118.762	116.760	111.756	108.420
45.0	116.093	113.090	111.089	103.082	98.746
47.5	110.088	107.753	104.417	93.074	89.071
50.0	104.083	101.414	96.744	83.400	79.397
52.5	97.078	95.076	87.737	74.059	68.722
55.0	90.072	88.404	77.729	64.385	59.714
57.5	83.066	81.065	67.721	55.044	51.708
60.0	75.394	73.392	58.380	47.038	44.035
62.5	67.721	65.386	48.372	38.364	34.361
65.0	59.714	57.046	39.698	29.357	28.022
67.5	51.374	48.372	32.359	24.353	24.353
70.0	42.701	38.698	23.352	20.683	19.015
72.5	34.361	29.690	17.681	15.012	12.010
75.0	27.022	21.017	14.011	9.007	8.006
77.5	19.015	14.011	8.674	6.338	6.005
80.0	12.677	8.340	5.004	4.337	4.337
82.5	7.339	5.004	3.336	3.002	3.002
85.0	3.670	2.669	2.002	2.002	2.002
87.5	1.334	1.334	1.334	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	59.13	N.A.	14.00
0-30	126.45	N.A.	29.90
0-40	208.53	N.A.	49.30
0-60	360.29	N.A.	85.20
0-80	420.04	N.A.	99.30
0-90	423.10	N.A.	100.00
10-90	407.89	N.A.	96.40
20-40	149.41	N.A.	35.30
20-50	232.91	N.A.	55.00
40-70	194.50	N.A.	46.00
60-80	59.75	N.A.	14.10
70-80	17.01	N.A.	4.00
80-90	3.06	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	423.10	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	15.21
10-20	43.92
20-30	67.33
30-40	82.08
40-50	83.50
50-60	68.25
60-70	42.74
70-80	17.01
80-90	3.06
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

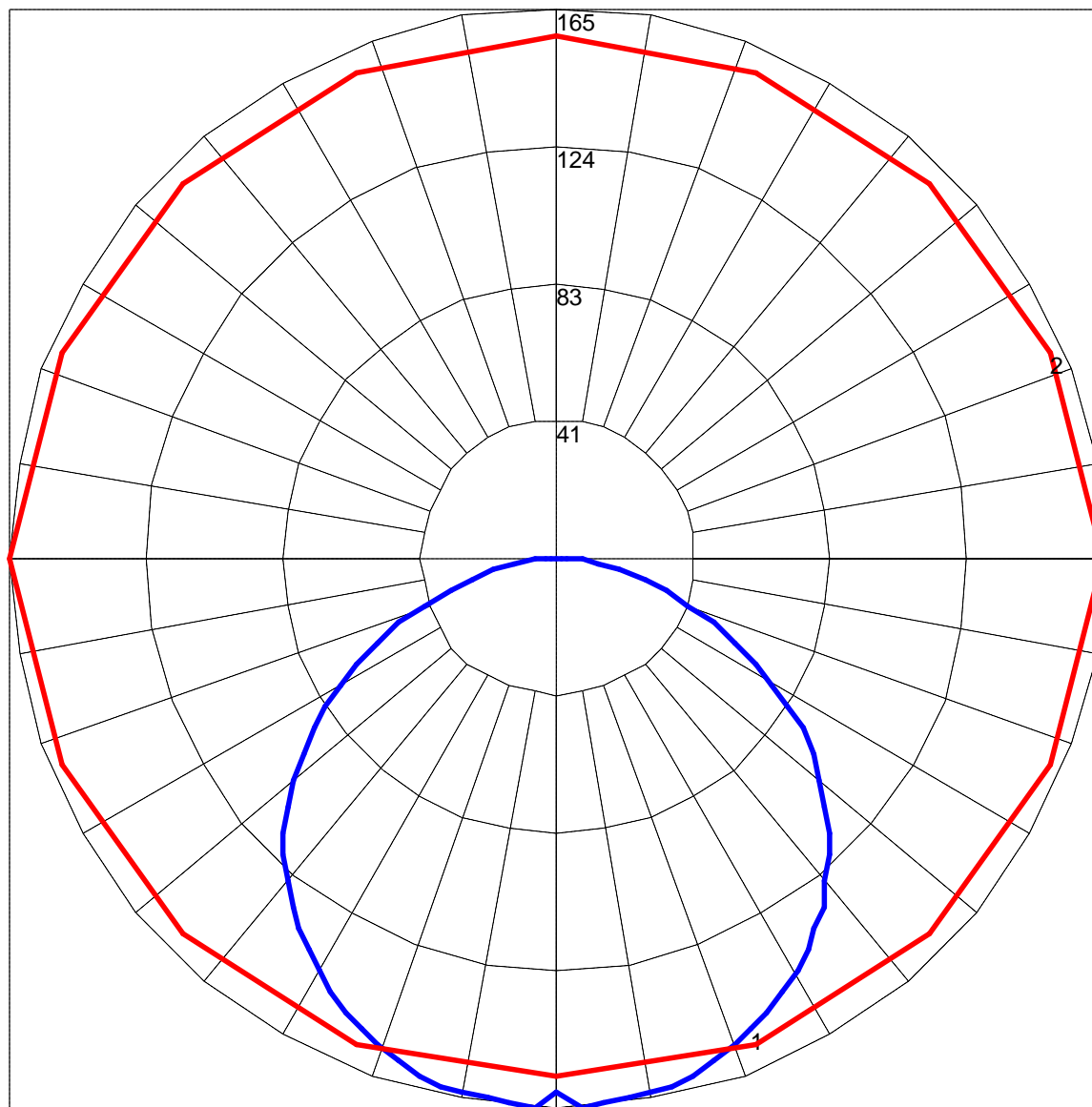
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	80	88	83	79	84	80	77	81	78	75	73
3	92	82	75	68	90	81	74	68	78	72	67	75	70	66	73	68	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47
6	72	59	50	44	70	58	50	44	56	49	44	55	48	43	53	47	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	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	32	57	44	37	31	43	36	31	42	36	31	41	35	31	29
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26

POLAR GRAPH



Maximum Candela = 165.466 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.)