



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDL3-48-LED-WW-24.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5241C
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]05/14/14
[TEST DATE]03/06/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]LDL3-48-LED-WW-24
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]1683

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1683
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	16.4
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)	4.00 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	28151	26934	24500
55	27004	24003	16602
65	24161	15203	12624
75	18396	7314	5098
85	8557	5266	4607

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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	638.794	638.794	638.794	638.794	638.794
2.5	658.798	645.462	640.128	628.126	622.791
5.0	657.465	644.129	638.794	626.792	621.458
7.5	656.131	641.462	636.127	624.125	618.790
10.0	652.130	637.461	632.126	620.124	614.790
12.5	648.130	633.460	626.792	614.790	609.455
15.0	641.462	626.792	620.124	609.455	604.121
17.5	633.460	618.790	612.122	601.454	596.119
20.0	625.458	610.789	604.121	593.452	588.118
22.5	614.790	600.120	593.452	582.783	578.782
25.0	602.787	588.118	581.450	572.114	568.114
27.5	590.785	576.115	569.447	560.112	556.111
30.0	576.115	561.446	554.778	546.776	541.442
32.5	560.112	546.776	538.774	532.106	528.106
35.0	542.775	529.439	521.438	514.770	512.102
37.5	525.438	512.102	504.101	497.433	492.098
40.0	505.434	493.432	484.097	476.095	469.427
42.5	485.430	473.428	464.093	450.757	441.422
45.0	462.759	452.090	442.755	421.418	402.747
47.5	438.754	428.086	418.750	384.077	357.405
50.0	413.416	404.081	390.745	336.067	304.061
52.5	388.078	377.409	360.072	284.057	254.718
55.0	360.072	350.737	320.064	236.047	221.378
57.5	332.066	322.731	272.054	204.041	193.372
60.0	302.727	293.392	222.711	176.035	170.701
62.5	272.054	264.053	178.702	154.698	149.363
65.0	237.381	232.046	149.363	132.026	124.025
67.5	206.708	196.039	124.025	104.021	85.350
70.0	173.368	158.698	101.354	65.346	52.010
72.5	141.362	114.690	76.015	41.342	38.674
75.0	110.689	78.682	44.009	32.006	30.673
77.5	80.016	54.678	28.006	24.005	22.671
80.0	53.344	37.341	20.004	18.670	18.670
82.5	32.006	20.004	14.670	13.336	13.336
85.0	17.337	12.002	10.669	10.669	9.335
87.5	8.002	6.668	6.668	6.668	6.668
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	235.61	N.A.	14.00
0-30	503.95	N.A.	29.90
0-40	831.27	N.A.	49.40
0-60	1434.82	N.A.	85.20
0-80	1669.54	N.A.	99.20
0-90	1683.2	N.A.	100.00
10-90	1622.57	N.A.	96.40
20-40	595.66	N.A.	35.40
20-50	930.63	N.A.	55.30
40-70	773.76	N.A.	46.00
60-80	234.72	N.A.	13.90
70-80	64.51	N.A.	3.80
80-90	13.65	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	1683.2	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	60.63
10-20	174.99
20-30	268.33
30-40	327.33
40-50	334.98
50-60	268.58
60-70	170.21
70-80	64.51
80-90	13.65
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

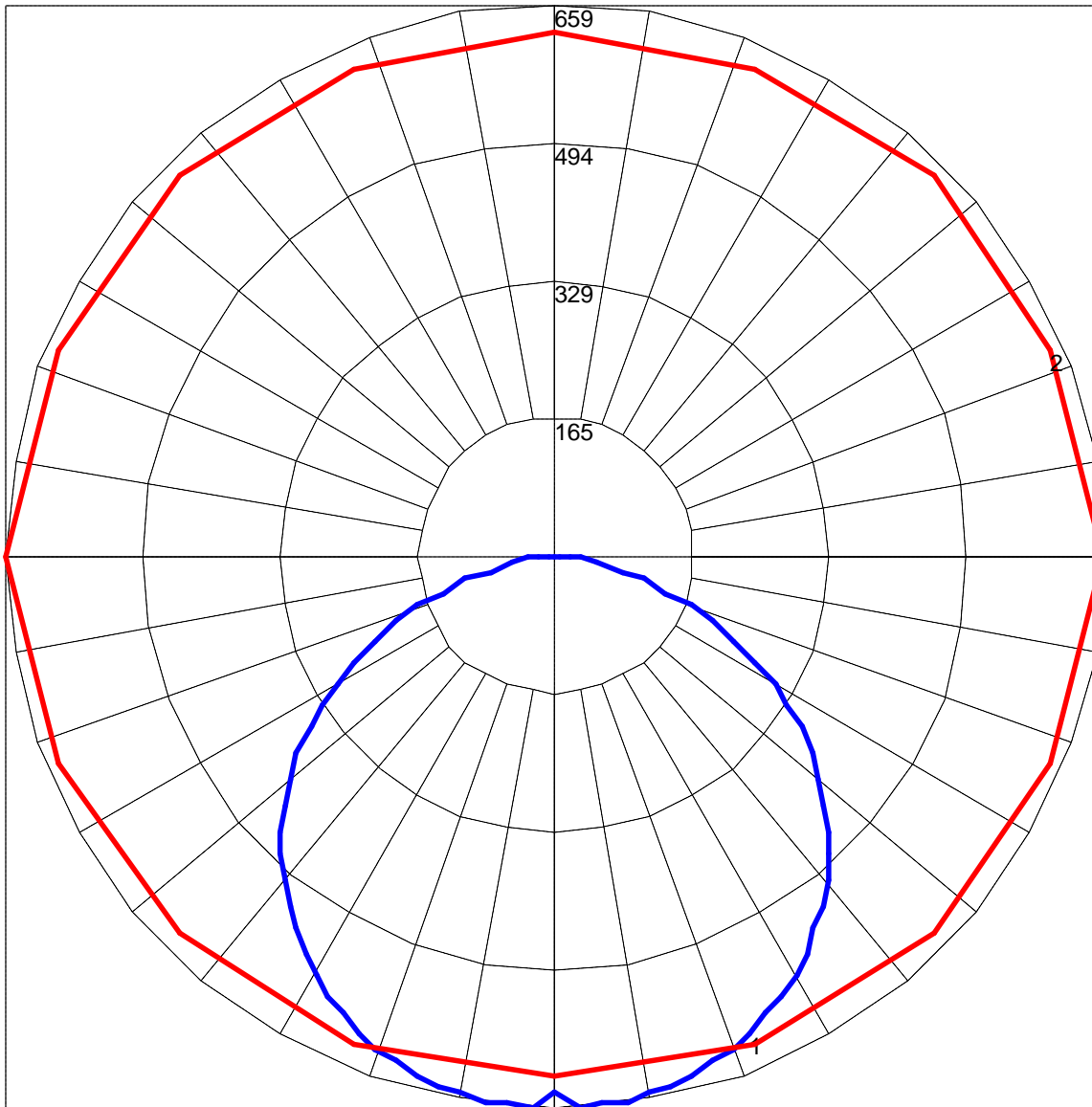
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	64	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 = 658.798 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.)