



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LDL3-48-LED-NW-24.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5240C
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]05/14/14
[TEST DATE]03/06/14
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LDL3-48-LED-NW-24
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]1691
[SEARCH SOURCE TYPE] LED
[SEARCH APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1691
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	28232	27015	24014
55	27004	23303	17902
65	24297	16153	11402
75	17953	9309	5319
85	7240	3949	3949

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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	640.128	640.128	640.128	640.128	640.128
2.5	661.466	645.462	640.128	630.793	625.458
5.0	660.132	644.129	638.794	629.459	624.125
7.5	657.465	642.795	637.461	626.792	621.458
10.0	653.464	638.794	633.460	624.125	618.790
12.5	649.463	634.794	628.126	617.457	613.456
15.0	642.795	628.126	622.791	612.122	608.122
17.5	634.794	620.124	614.790	604.121	598.786
20.0	625.458	612.122	605.454	594.786	590.785
22.5	616.123	602.787	594.786	585.450	581.450
25.0	604.121	590.785	584.117	574.782	570.781
27.5	590.785	577.449	569.447	561.446	558.778
30.0	576.115	564.113	554.778	548.110	545.442
32.5	561.446	548.110	540.108	533.440	529.439
35.0	544.109	532.106	522.771	516.103	512.102
37.5	526.772	514.770	506.768	497.433	492.098
40.0	506.768	494.766	486.764	473.428	466.760
42.5	486.764	474.762	466.760	446.756	433.420
45.0	464.093	452.090	444.089	412.082	394.746
47.5	440.088	430.753	417.417	372.074	356.071
50.0	416.083	405.414	386.744	333.400	317.397
52.5	388.078	380.076	350.737	296.059	274.722
55.0	360.072	353.404	310.729	257.385	238.714
57.5	332.066	324.065	270.721	220.044	206.708
60.0	301.394	293.392	233.380	188.038	176.035
62.5	270.721	261.386	193.372	153.364	137.361
65.0	238.714	228.046	158.698	117.357	112.022
67.5	205.374	193.372	129.359	97.353	97.353
70.0	170.701	154.698	93.352	82.683	76.015
72.5	137.361	118.690	70.681	60.012	48.010
75.0	108.022	84.017	56.011	36.007	32.006
77.5	76.015	56.011	34.674	25.338	24.005
80.0	50.677	33.340	20.004	17.337	17.337
82.5	29.339	20.004	13.336	12.002	12.002
85.0	14.670	10.669	8.002	8.002	8.002
87.5	5.334	5.334	5.334	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	236.36	N.A.	14.00
0-30	505.50	N.A.	29.90
0-40	833.63	N.A.	49.30
0-60	1440.28	N.A.	85.20
0-80	1679.15	N.A.	99.30
0-90	1691.37	N.A.	100.00
10-90	1630.57	N.A.	96.40
20-40	597.27	N.A.	35.30
20-50	931.09	N.A.	55.00
40-70	777.52	N.A.	46.00
60-80	238.87	N.A.	14.10
70-80	68.00	N.A.	4.00
80-90	12.22	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	1691.37	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	60.79
10-20	175.57
20-30	269.14
30-40	328.13
40-50	333.82
50-60	272.83
60-70	170.88
70-80	68.00
80-90	12.22
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

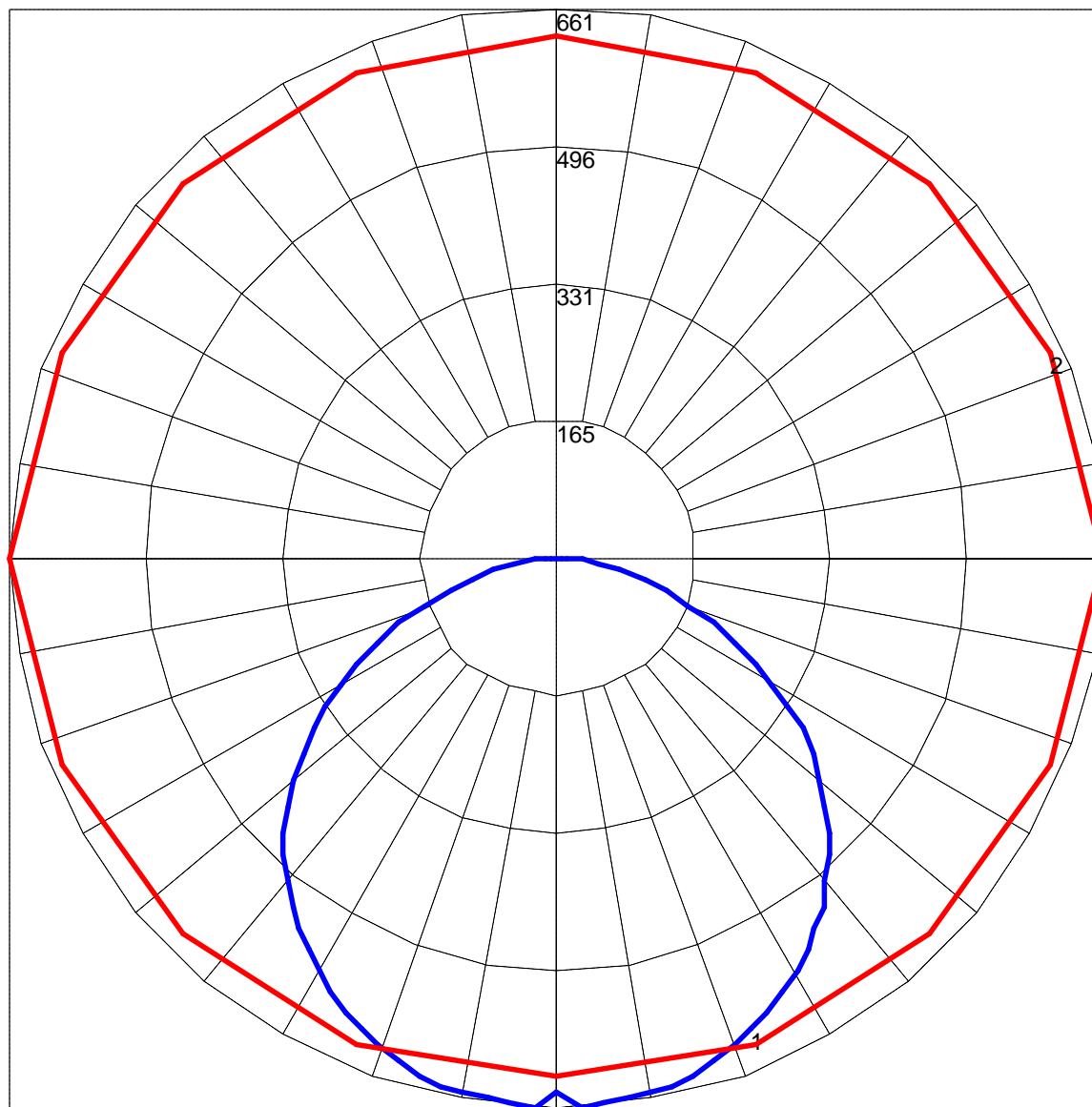
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 661.466 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.)