



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5239B
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]05/14/14
[TEST DATE]03/06/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]LDL3-12-LED-CW-24
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]469

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	469
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	4.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.36
Spacing Criterion (90-270)	1.30
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	31795	30416	26685
55	30798	26098	18699
65	27956	16828	12214
75	21273	7978	4210
85	6580	3948	4606

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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	176.332	176.332	176.332	176.332	176.332
2.5	181.998	177.998	176.332	174.332	171.665
5.0	181.665	177.665	175.998	173.998	171.665
7.5	180.998	177.332	175.332	173.332	170.998
10.0	180.332	176.332	174.665	172.665	170.332
12.5	178.665	175.332	173.332	171.332	168.998
15.0	177.332	173.998	171.665	169.998	167.332
17.5	175.332	171.998	169.665	167.665	165.665
20.0	172.998	169.998	167.332	165.665	163.332
22.5	170.665	167.332	164.998	163.332	161.332
25.0	167.665	164.332	161.998	160.332	158.665
27.5	164.665	161.332	158.665	157.332	155.332
30.0	160.998	157.665	154.998	153.665	151.998
32.5	156.998	153.665	150.998	149.999	148.332
35.0	152.665	149.332	146.665	145.332	143.332
37.5	147.999	144.665	142.332	139.665	137.332
40.0	142.332	139.332	137.332	132.999	129.665
42.5	136.665	133.999	131.665	125.332	120.665
45.0	130.665	128.332	124.999	115.999	109.666
47.5	124.665	122.332	117.665	103.999	96.999
50.0	117.665	115.332	108.999	91.666	85.666
52.5	110.666	108.332	98.999	79.999	73.333
55.0	102.666	100.999	86.999	67.999	62.333
57.5	94.666	92.999	74.666	57.666	54.999
60.0	86.666	84.666	62.999	50.000	48.333
62.5	77.666	75.333	50.666	43.333	40.333
65.0	68.666	65.666	41.333	34.666	30.000
67.5	59.666	55.333	34.333	24.666	22.666
70.0	50.666	43.666	26.666	18.333	15.333
72.5	40.333	32.333	18.000	10.667	8.667
75.0	32.000	21.333	12.000	6.333	6.333
77.5	22.000	14.333	5.667	5.333	5.667
80.0	14.000	8.000	3.667	4.333	4.667
82.5	7.667	3.667	3.000	3.000	3.000
85.0	3.333	1.667	2.000	2.000	2.333
87.5	1.000	1.000	1.000	1.333	1.333
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	65.33	N.A.	13.90
0-30	140.26	N.A.	29.90
0-40	232.30	N.A.	49.50
0-60	402.03	N.A.	85.70
0-80	466.36	N.A.	99.40
0-90	469.12	N.A.	100.00
10-90	452.36	N.A.	96.40
20-40	166.97	N.A.	35.60
20-50	260.81	N.A.	55.60
40-70	217.16	N.A.	46.30
60-80	64.33	N.A.	13.70
70-80	16.90	N.A.	3.60
80-90	2.77	N.A.	0.60
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	469.12	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	16.76
10-20	48.56
20-30	74.93
30-40	92.04
40-50	93.84
50-60	75.89
60-70	47.43
70-80	16.90
80-90	2.77
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

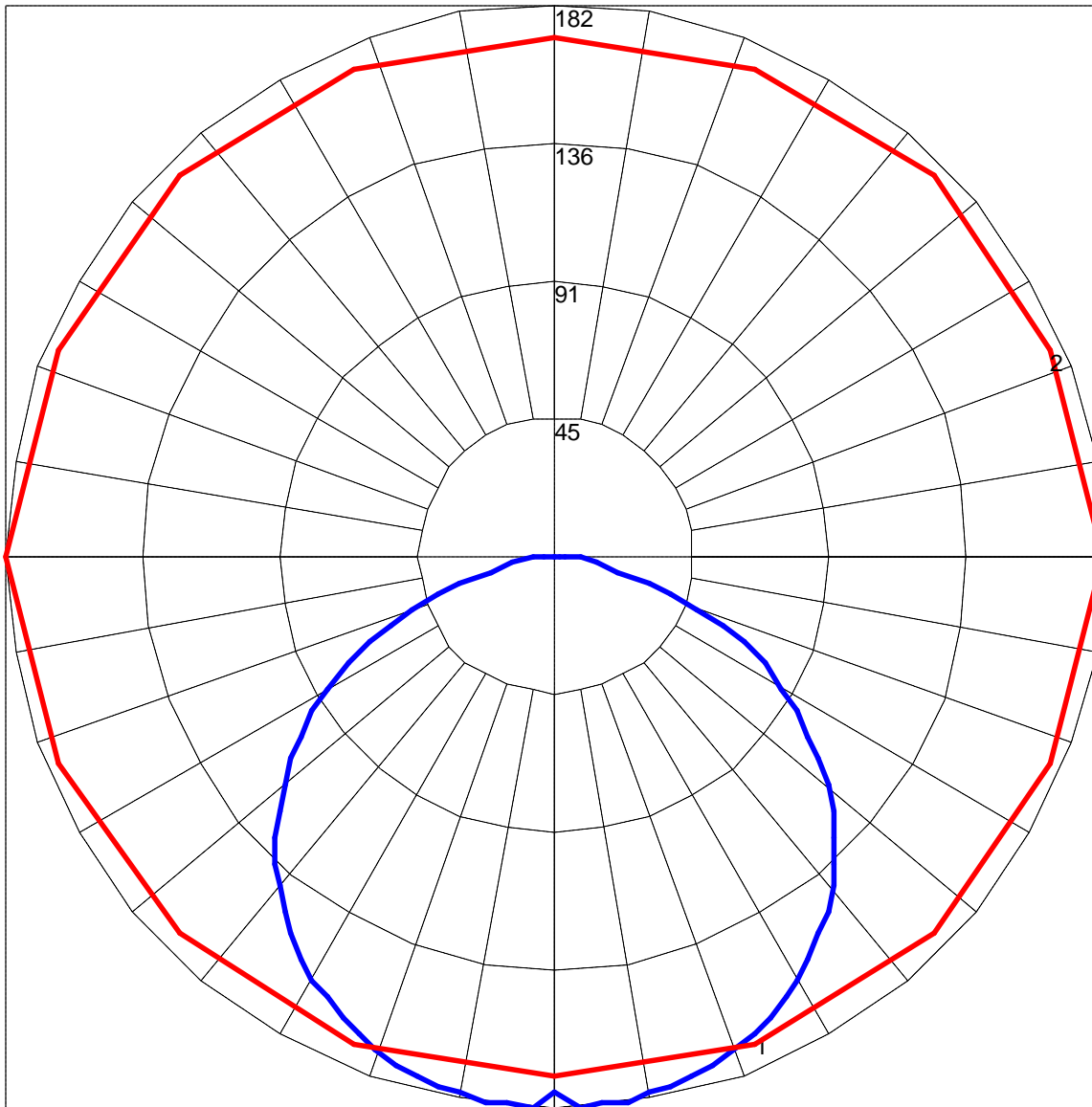
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	104	100	97	99	97	94	95	93	91	92	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	63
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	49	59	53	49	47
6	72	59	51	44	70	58	50	44	57	49	44	55	48	44	53	48	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	44	39	49	43	38	36
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	27

POLAR GRAPH



Maximum Candela = 181.998 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.)