



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5239C
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]05/14/14
[TEST DATE]03/06/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]LDL3-48-LED-CW-24
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]1407

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1407
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	16.4
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)	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	23846	22812	20014
55	23098	19574	14024
65	20967	12621	9160
75	15955	5983	3158
85	4935	2961	3455

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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	529	529	529	529	529
2.5	546	534	529	523	515
5.0	545	533	528	522	515
7.5	543	532	526	520	513
10.0	541	529	524	518	511
12.5	536	526	520	514	507
15.0	532	522	515	510	502
17.5	526	516	509	503	497
20.0	519	510	502	497	490
22.5	512	502	495	490	484
25.0	503	493	486	481	476
27.5	494	484	476	472	466
30.0	483	473	465	461	456
32.5	471	461	453	450	445
35.0	458	448	440	436	430
37.5	444	434	427	419	412
40.0	427	418	412	399	389
42.5	410	402	395	376	362
45.0	392	385	375	348	329
47.5	374	367	353	312	291
50.0	353	346	327	275	257
52.5	332	325	297	240	220
55.0	308	303	261	204	187
57.5	284	279	224	173	165
60.0	260	254	189	150	145
62.5	233	226	152	130	121
65.0	206	197	124	104	90
67.5	179	166	103	74	68
70.0	152	131	80	55	46
72.5	121	97	54	32	26
75.0	96	64	36	19	19
77.5	66	43	17	16	17
80.0	42	24	11	13	14
82.5	23	11	9	9	9
85.0	10	5	6	6	7
87.5	3	3	3	4	4
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	195.98	N.A.	13.90
0-30	420.77	N.A.	29.90
0-40	696.90	N.A.	49.50
0-60	1206.09	N.A.	85.70
0-80	1399.09	N.A.	99.40
0-90	1407.38	N.A.	100.00
10-90	1357.09	N.A.	96.40
20-40	500.92	N.A.	35.60
20-50	782.43	N.A.	55.60
40-70	651.49	N.A.	46.30
60-80	193.00	N.A.	13.70
70-80	50.70	N.A.	3.60
80-90	8.30	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	1407.38	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	50.29
10-20	145.69
20-30	224.79
30-40	276.13
40-50	281.51
50-60	227.68
60-70	142.30
70-80	50.70
80-90	8.30
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

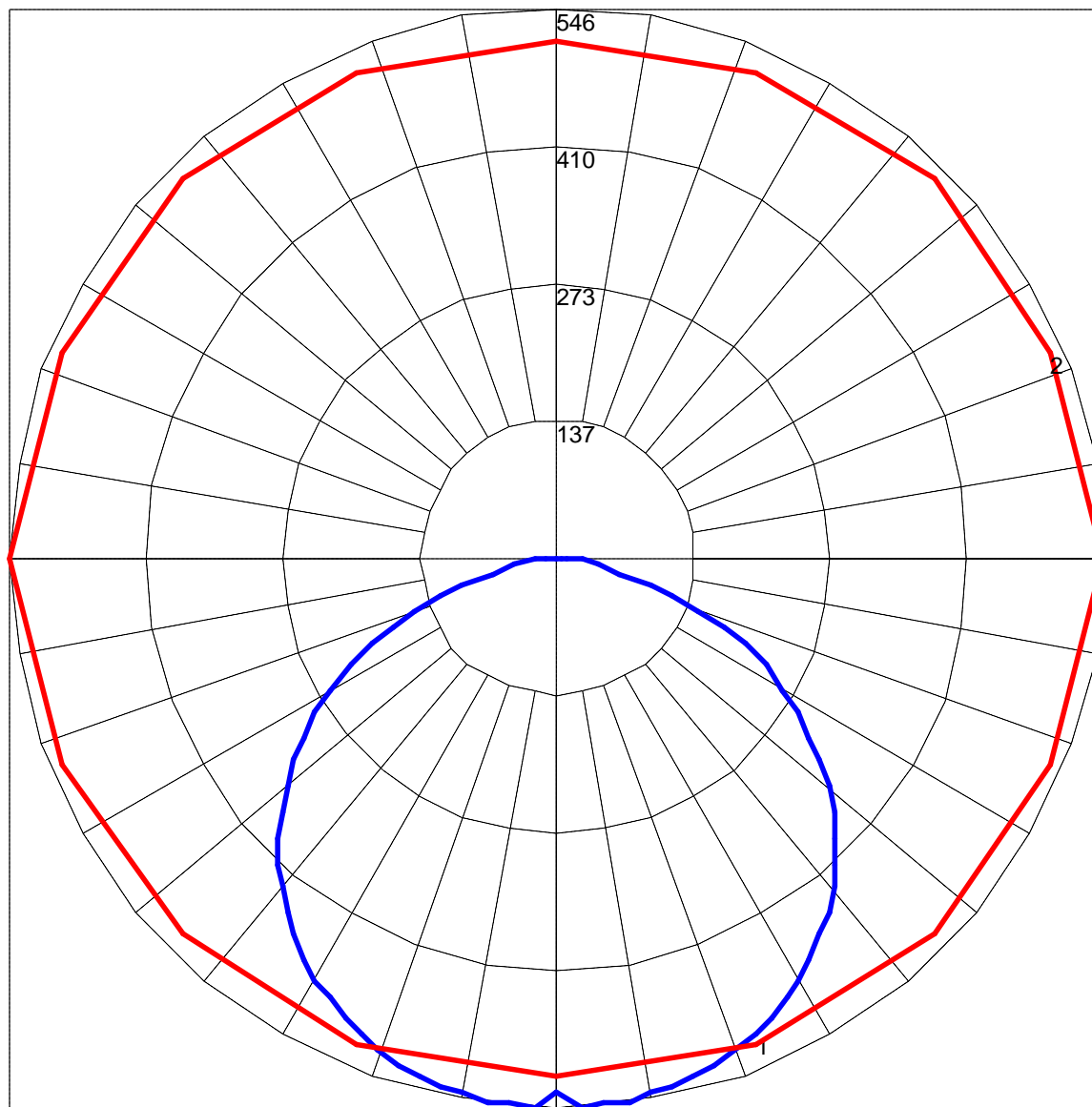
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 546 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.)