



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDL3-36-LED-WW-24.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5241A
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]03/06/14
[TEST DATE]03/06/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]LDL3-36-LED-WW-24
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]1262

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1262
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	12.3
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)	2.75 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	30704	29377	26722
55	29453	26180	18108
65	26353	16581	13768
75	20065	7978	5560
85	9332	5743	5025

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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	479	479	479	479	479
2.5	494	484	480	471	467
5.0	493	483	479	470	466
7.5	492	481	477	468	464
10.0	489	478	474	465	461
12.5	486	475	470	461	457
15.0	481	470	465	457	453
17.5	475	464	459	451	447
20.0	469	458	453	445	441
22.5	461	450	445	437	434
25.0	452	441	436	429	426
27.5	443	432	427	420	417
30.0	432	421	416	410	406
32.5	420	410	404	399	396
35.0	407	397	391	386	384
37.5	394	384	378	373	369
40.0	379	370	363	357	352
42.5	364	355	348	338	331
45.0	347	339	332	316	302
47.5	329	321	314	288	268
50.0	310	303	293	252	228
52.5	291	283	270	213	191
55.0	270	263	240	177	166
57.5	249	242	204	153	145
60.0	227	220	167	132	128
62.5	204	198	134	116	112
65.0	178	174	112	99	93
67.5	155	147	93	78	64
70.0	130	119	76	49	39
72.5	106	86	57	31	29
75.0	83	59	33	24	23
77.5	60	41	21	18	17
80.0	40	28	15	14	14
82.5	24	15	11	10	10
85.0	13	9	8	8	7
87.5	6	5	5	5	5
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	176.68	N.A.	14.00
0-30	377.88	N.A.	29.90
0-40	623.33	N.A.	49.40
0-60	1075.9	N.A.	85.20
0-80	1251.91	N.A.	99.20
0-90	1262.15	N.A.	100.00
10-90	1216.68	N.A.	96.40
20-40	446.65	N.A.	35.40
20-50	697.83	N.A.	55.30
40-70	580.20	N.A.	46.00
60-80	176.00	N.A.	13.90
70-80	48.38	N.A.	3.80
80-90	10.24	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	1262.15	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	45.46
10-20	131.21
20-30	201.21
30-40	245.45
40-50	251.18
50-60	201.39
60-70	127.63
70-80	48.38
80-90	10.24
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

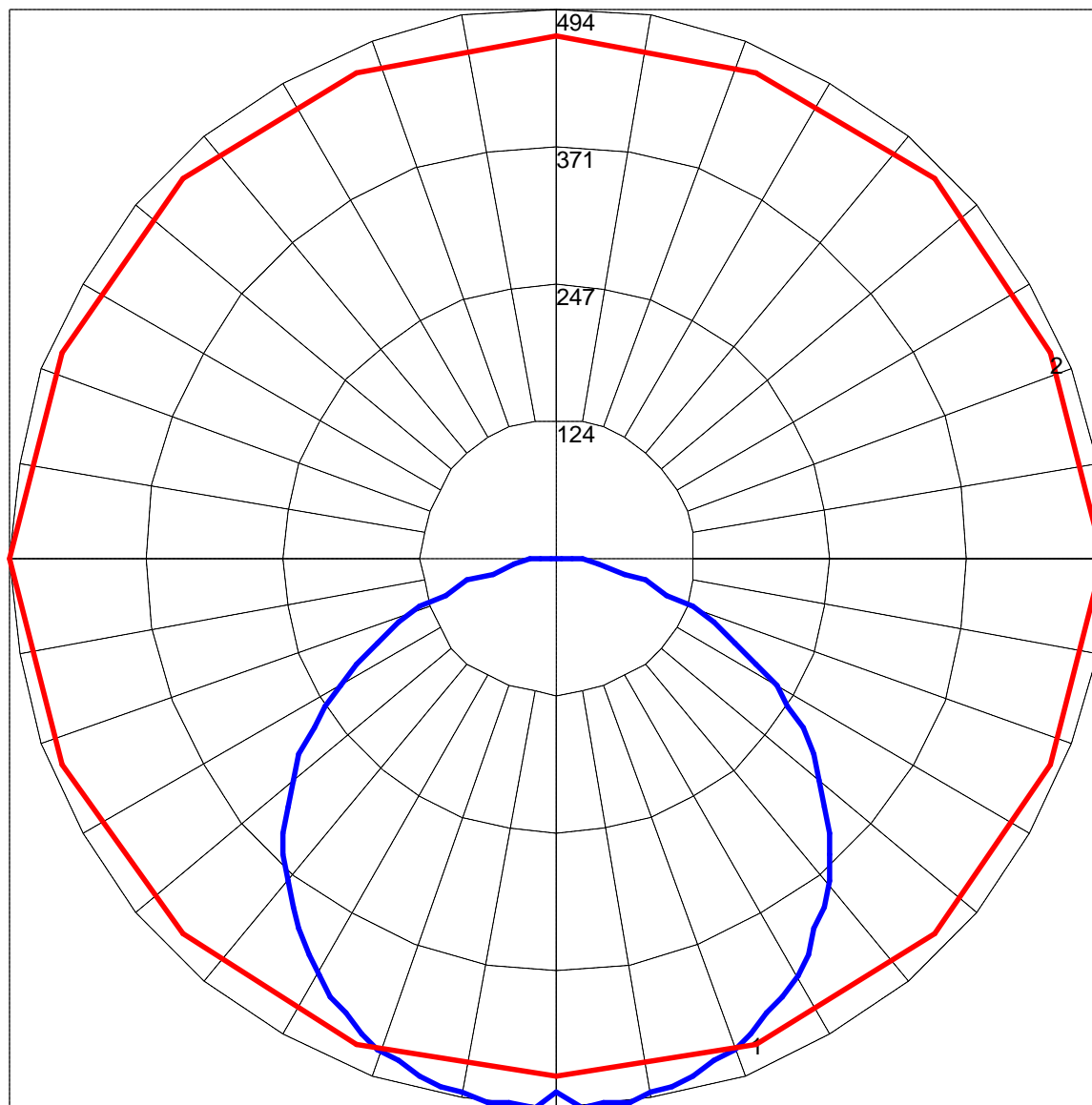
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 494 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.)