



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

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-5240A  
[TESTLAB]LSI INDUSTRIES  
[ISSUE DATE]03/06/14  
[TEST DATE]03/06/14  
[MANUFACTURER]LSI INDUSTRIES  
[LUMEN CATEGORY]LDL3-36-LED-NW-24  
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER]TEST PROCEDURE: IESNA LM-79-08  
[ABSOLUTE LUMENS]1268

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1268
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	30792	29465	26191
55	29453	25416	19526
65	26501	17618	12436
75	19581	10153	5802
85	7897	4307	4307

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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>
<b>0.0</b>	480	480	480	480	480
<b>2.5</b>	496	484	480	473	469
<b>5.0</b>	495	483	479	472	468
<b>7.5</b>	493	482	478	470	466
<b>10.0</b>	490	479	475	468	464
<b>12.5</b>	487	476	471	463	460
<b>15.0</b>	482	471	467	459	456
<b>17.5</b>	476	465	461	453	449
<b>20.0</b>	469	459	454	446	443
<b>22.5</b>	462	452	446	439	436
<b>25.0</b>	453	443	438	431	428
<b>27.5</b>	443	433	427	421	419
<b>30.0</b>	432	423	416	411	409
<b>32.5</b>	421	411	405	400	397
<b>35.0</b>	408	399	392	387	384
<b>37.5</b>	395	386	380	373	369
<b>40.0</b>	380	371	365	355	350
<b>42.5</b>	365	356	350	335	325
<b>45.0</b>	348	339	333	309	296
<b>47.5</b>	330	323	313	279	267
<b>50.0</b>	312	304	290	250	238
<b>52.5</b>	291	285	263	222	206
<b>55.0</b>	270	265	233	193	179
<b>57.5</b>	249	243	203	165	155
<b>60.0</b>	226	220	175	141	132
<b>62.5</b>	203	196	145	115	103
<b>65.0</b>	179	171	119	88	84
<b>67.5</b>	154	145	97	73	73
<b>70.0</b>	128	116	70	62	57
<b>72.5</b>	103	89	53	45	36
<b>75.0</b>	81	63	42	27	24
<b>77.5</b>	57	42	26	19	18
<b>80.0</b>	38	25	15	13	13
<b>82.5</b>	22	15	10	9	9
<b>85.0</b>	11	8	6	6	6
<b>87.5</b>	4	4	4	5	5
<b>90.0</b>	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	177.24	N.A.	14.00
0-30	379.05	N.A.	29.90
0-40	625.10	N.A.	49.30
0-60	1079.99	N.A.	85.20
0-80	1259.11	N.A.	99.30
0-90	1268.27	N.A.	100.00
10-90	1222.69	N.A.	96.40
20-40	447.86	N.A.	35.30
20-50	698.17	N.A.	55.00
40-70	583.02	N.A.	46.00
60-80	179.12	N.A.	14.10
70-80	50.99	N.A.	4.00
80-90	9.16	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	1268.27	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	45.59
10-20	131.65
20-30	201.81
30-40	246.05
40-50	250.31
50-60	204.58
60-70	128.13
70-80	50.99
80-90	9.16
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

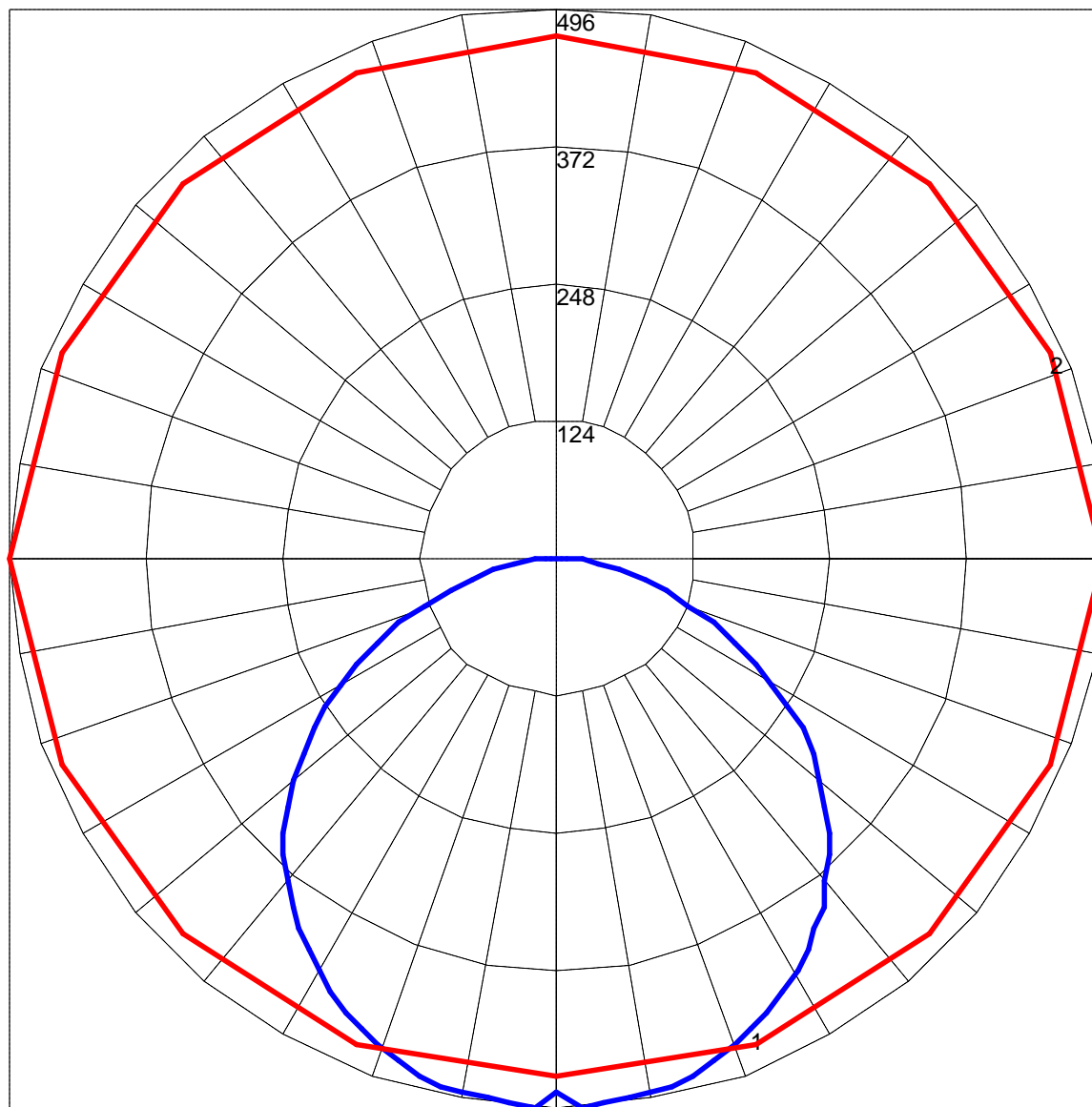
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 496 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.)