



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : RG24-LED30DMV40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] L101410001  
 [TESTLAB] LIGHT LABORATORY, INC.  
 [ISSUE DATE] 11/7/2014  
 [MANUFAC] MOBERN  
 [LUMCAT] RG24-LED30DMV40  
 [LUMINAIRE] 48"L. X 24"W. X 4"L. LED LUMINAIRE  
 [MORE] PRISMATIC LENS  
 [BALLASTCAT] OSRAM OPTOTRONIC OT50W/PRG1400C/UNV/DIM/L  
 [BALLAST] INPUT: 120-277VAC, 0.52-0.24A, 50/60Hz. OUTPUT: 50W, 10-55VDC, 400-1400mA  
 [LAMPPOSITION] 0,0  
 [LAMPCAT] N/A  
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND  
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.  
 [\_INPUT] 120VAC, 30.12W  
 [\_TEST PROCEDURE] IESNA:LM-79-08

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3154
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	30.12
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.26
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.81 ft
Luminous Width (90-270)	1.81 ft
Luminous Height	0.00 ft

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**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1660	1642	1597
55	1243	1176	1134
65	973	787	916
75	912	726	1043
85	1087	1014	1272

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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</b>	1437.88	1437.88	1437.88	1437.88	1437.88
<b>5</b>	1427.58	1429.64	1430.67	1431.70	1431.70
<b>10</b>	1406.98	1409.04	1409.04	1410.07	1410.07
<b>15</b>	1372.99	1374.02	1372.99	1368.87	1366.81
<b>20</b>	1320.46	1322.52	1316.34	1309.13	1303.98
<b>25</b>	1252.48	1251.45	1240.12	1229.82	1224.67
<b>30</b>	1162.87	1158.75	1146.39	1134.03	1129.91
<b>35</b>	1047.51	1041.33	1032.06	1021.76	1020.73
<b>40</b>	909.49	902.28	893.01	884.77	884.77
<b>45</b>	752.93	748.81	744.69	727.18	724.09
<b>50</b>	597.40	592.25	590.19	554.14	550.02
<b>55</b>	457.32	441.87	432.60	414.06	417.15
<b>60</b>	349.17	327.54	310.03	317.24	319.30
<b>65</b>	263.68	238.96	213.21	243.08	248.23
<b>70</b>	196.73	178.19	146.26	193.64	203.94
<b>75</b>	151.41	139.05	120.51	154.50	173.04
<b>80</b>	113.30	97.85	98.88	116.39	131.84
<b>85</b>	60.77	56.65	56.65	69.01	71.07
<b>90</b>	0.00	0.00	0.00	0.00	0.00

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	522.22	N.A.	16.60
0-30	1092.2	N.A.	34.60
0-40	1734.47	N.A.	55.00
0-60	2696.84	N.A.	85.50
0-80	3090.98	N.A.	98.00
0-90	3154.43	N.A.	100.00
10-90	3018.56	N.A.	95.70
20-40	1212.25	N.A.	38.40
20-50	1781.01	N.A.	56.50
40-70	1204.21	N.A.	38.20
60-80	394.14	N.A.	12.50
70-80	152.30	N.A.	4.80
80-90	63.45	N.A.	2.00
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	3154.43	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	135.87
10-20	386.35
20-30	569.98
30-40	642.27
40-50	568.76
50-60	393.61
60-70	241.84
70-80	152.30
80-90	63.45
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

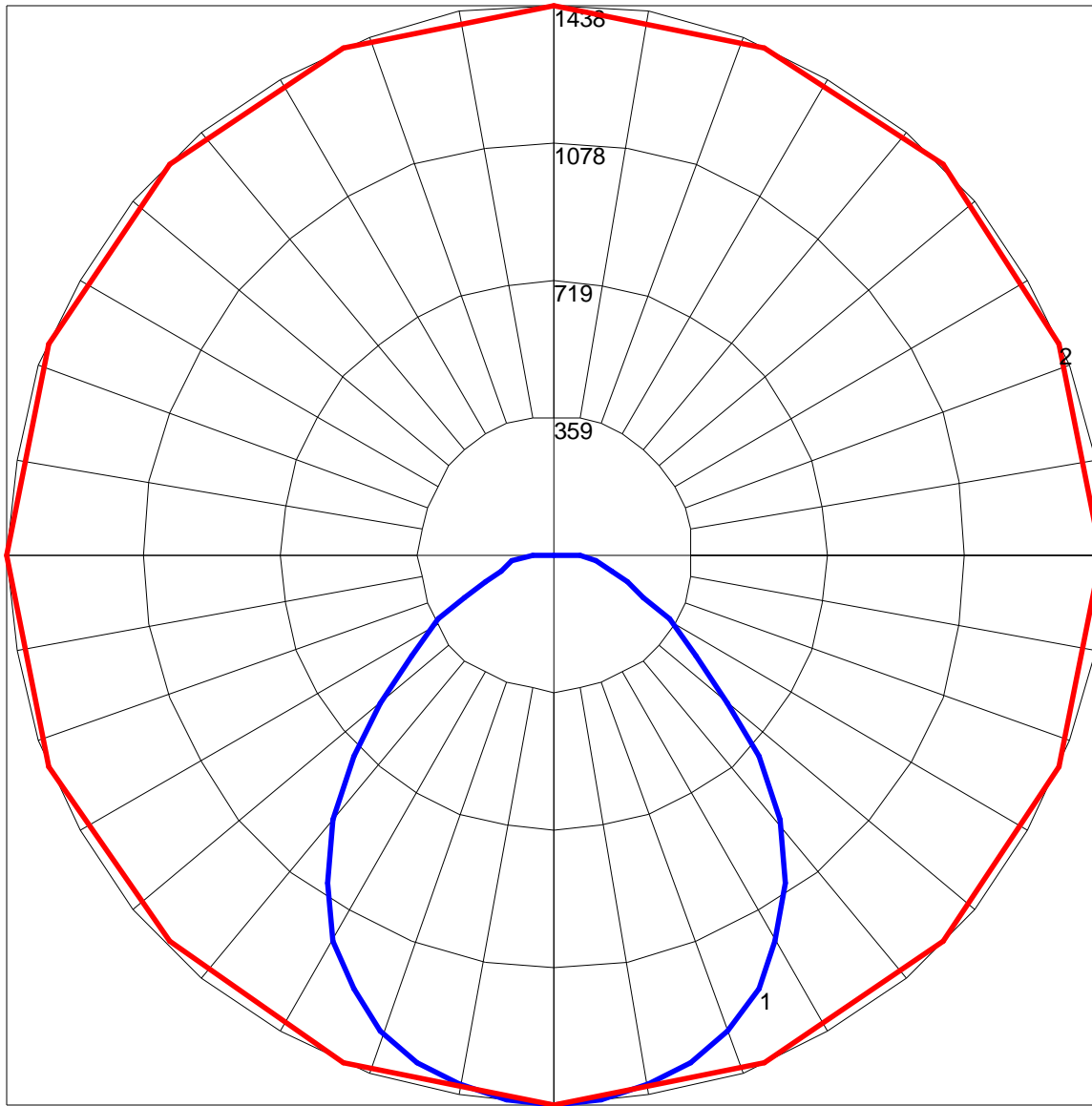
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	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	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56
5	79	67	59	53	77	66	59	53	64	57	52	62	56	52	61	55	51	49
6	74	61	53	47	72	60	52	47	59	52	46	57	51	46	55	50	46	44
7	69	56	48	42	67	55	47	42	54	47	42	52	46	41	51	45	41	39
8	64	51	43	38	63	51	43	38	49	42	38	48	42	37	47	41	37	35
9	60	47	40	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32
10	57	44	36	31	55	43	36	31	42	36	31	42	35	31	41	35	31	29

POLAR GRAPH



Maximum Candela = 1437.88 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)