

# Digital Lighting Inc

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : T24318T.IES

## DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST]24318  
[TESTLAB]LIGHTING SCIENCES, INC.  
[ISSUE DATE]10/ 1/2008  
[MANUFAC]DIGITAL LIGHTING INC - LED DESK LAMP WITH ADJUSTABLE COLOR SETTING  
[LUMCAT]MP400  
[LUMINAIRE]WHITE INTERIOR WITH CLEAR FLAT PLASTIC LENS  
[LAMP]EIGHT OF EIGHT LEDS OPERATING. LUMEN RATING = 239 LMS.  
[OTHER]FIXTURE OPERATING AT 120 VAC AND 6.8 WATTS - SELECTOR SET TO CENTER POSITION

## CHARACTERISTICS

Total Rated Lamp Lumens	238
Total Luminaire Efficiency	100.4 %
Luminaire Efficacy Rating (LER)	35
Total Luminaire Watts	7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.06
Spacing Criteria (90-270)	1.06
Spacing Criteria (Diagonal)	1.16
Basic Luminous Shape	Point
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.00 ft
Luminous Height	0.00 ft



## LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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**CANDELA TABULATION**

	<u>0</u>
<b>0.0</b>	140.0
<b>2.5</b>	139.3
<b>5.0</b>	137.9
<b>7.5</b>	136.3
<b>10.0</b>	133.5
<b>12.5</b>	130.7
<b>15.0</b>	127.0
<b>17.5</b>	122.3
<b>20.0</b>	117.5
<b>22.5</b>	112.4
<b>25.0</b>	107.2
<b>27.5</b>	101.7
<b>30.0</b>	96.5
<b>32.5</b>	90.7
<b>35.0</b>	84.8
<b>37.5</b>	78.3
<b>40.0</b>	72.1
<b>42.5</b>	65.4
<b>45.0</b>	58.4
<b>47.5</b>	49.2
<b>50.0</b>	38.9
<b>52.5</b>	30.3
<b>55.0</b>	23.5
<b>57.5</b>	19.0
<b>60.0</b>	16.2
<b>62.5</b>	14.5
<b>65.0</b>	13.2
<b>67.5</b>	11.9
<b>70.0</b>	9.9
<b>72.5</b>	7.9
<b>75.0</b>	5.5
<b>77.5</b>	3.7
<b>80.0</b>	3.1
<b>82.5</b>	3.4
<b>85.0</b>	3.3
<b>87.5</b>	1.9
<b>90.0</b>	0.6

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	97.9	41.1	41
0-40	150.7	63.3	63.1
0-60	216.9	91.1	90.8
0-90	238.99	100.4	100
90-120	0	0	0
90-130	0	0	0
90-150	0	0	0
90-180	0	0	0
0-180	238.99	100.4	100

Total Luminaire Efficiency = 100.4%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	13.04
10-20	35.59
20-30	49.27
30-40	52.8
40-50	43.89
50-60	22.31
60-70	13.03
70-80	6.21
80-90	2.85
90-100	0
100-110	0
110-120	0
120-130	0
130-140	0
140-150	0
150-160	0
160-170	0
170-180	0

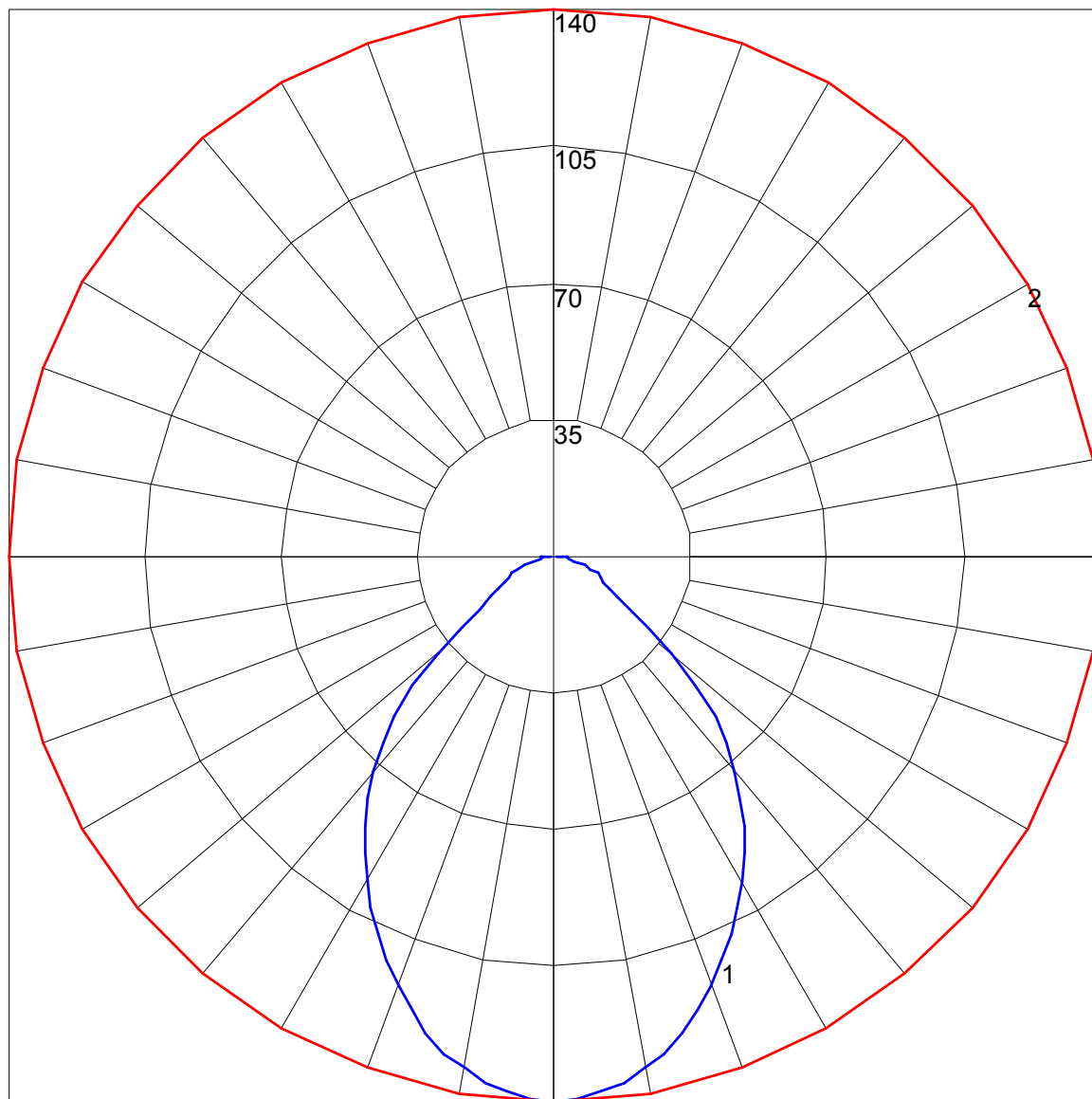
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	120	120	120	120	117	117	117	117	112	112	112	107	107	107	102	102	102	100
1	111	108	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	103	97	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78
3	96	87	80	75	94	86	79	74	83	77	73	80	76	72	78	74	71	69
4	89	79	71	66	87	78	71	65	75	69	64	73	68	64	71	67	63	61
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54
6	77	66	58	52	76	65	57	52	63	57	52	61	56	51	60	55	51	49
7	72	60	53	47	71	60	52	47	58	51	47	57	51	46	55	50	46	44
8	68	56	48	43	66	55	48	43	54	47	42	53	47	42	51	46	42	40
9	64	52	44	39	62	51	44	39	50	43	39	49	43	39	48	43	39	37
10	60	48	41	36	59	47	41	36	47	40	36	46	40	36	45	39	35	34

POLAR GRAPH



Maximum Candela = 140 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.)