

# Digital Lighting Inc

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : T25889T (F-30G533).IES

## DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-79-2008  
[TEST]25889  
[TESTLAB]LIGHTING SCIENCES, INC.  
[ISSUEDATE] 8/21/2009  
[MANUFAC]DIGITAL LIGHTING INC - LED MR16 LAMP  
[LUMCAT]QMR16-USF-30G533  
[LUMINAIRE]WITH INDIVIDUAL PLASTIC FOCUSING LENSES  
[LAMP]THREE LEDS. LUMINAIRE OUTPUT = 151 LMS.  
[OTHER]LAMP OPERATING AT 12 VAC AND 3.2 WATTS

## CHARACTERISTICS

Total Rated Lamp Lumens	N.A. (absolute photometry)
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	N.A.
Total Luminaire Watts	5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	0.64
Spacing Criteria (90-270)	0.64
Spacing Criteria (Diagonal)	0.62
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.15 ft (Diameter)
Luminous Height	0.00 ft



## LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10758	10758	10758
55	4456	4456	4456
65	2880	2880	2880
75	2116	2116	2116
85	1396	1396	1396

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CANDELA TABULATION

	<u>0</u>
0.0	308.7
2.5	302.7
5.0	287.1
7.5	268.3
10.0	248.7
12.5	230.3
15.0	209.2
17.5	181.7
20.0	145.8
22.5	107.6
25.0	68.1
27.5	45.3
30.0	37.7
32.5	31.6
35.0	26.7
37.5	22.9
40.0	19.9
42.5	15.5
45.0	12.5
47.5	10.2
50.0	8.3
52.5	6.2
55.0	4.2
57.5	3.2
60.0	2.7
62.5	2.2
65.0	2.0
67.5	1.7
70.0	1.6
72.5	1.3
75.0	0.9
77.5	0.6
80.0	0.5
82.5	0.3
85.0	0.2
87.5	0.2
90.0	0.0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	117.37	N.A.	77.3
0-40	134.43	N.A.	88.5
0-60	148.67	N.A.	97.9
0-90	151.93	N.A.	100
90-120	0	N.A.	0
90-130	0	N.A.	0
90-150	0	N.A.	0
90-180	0	N.A.	0
0-180	151.93	N.A.	100

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	26.18
10-20	56.55
20-30	34.63
30-40	17.06
40-50	10.01
50-60	4.23
60-70	1.99
70-80	1.01
80-90	.26
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

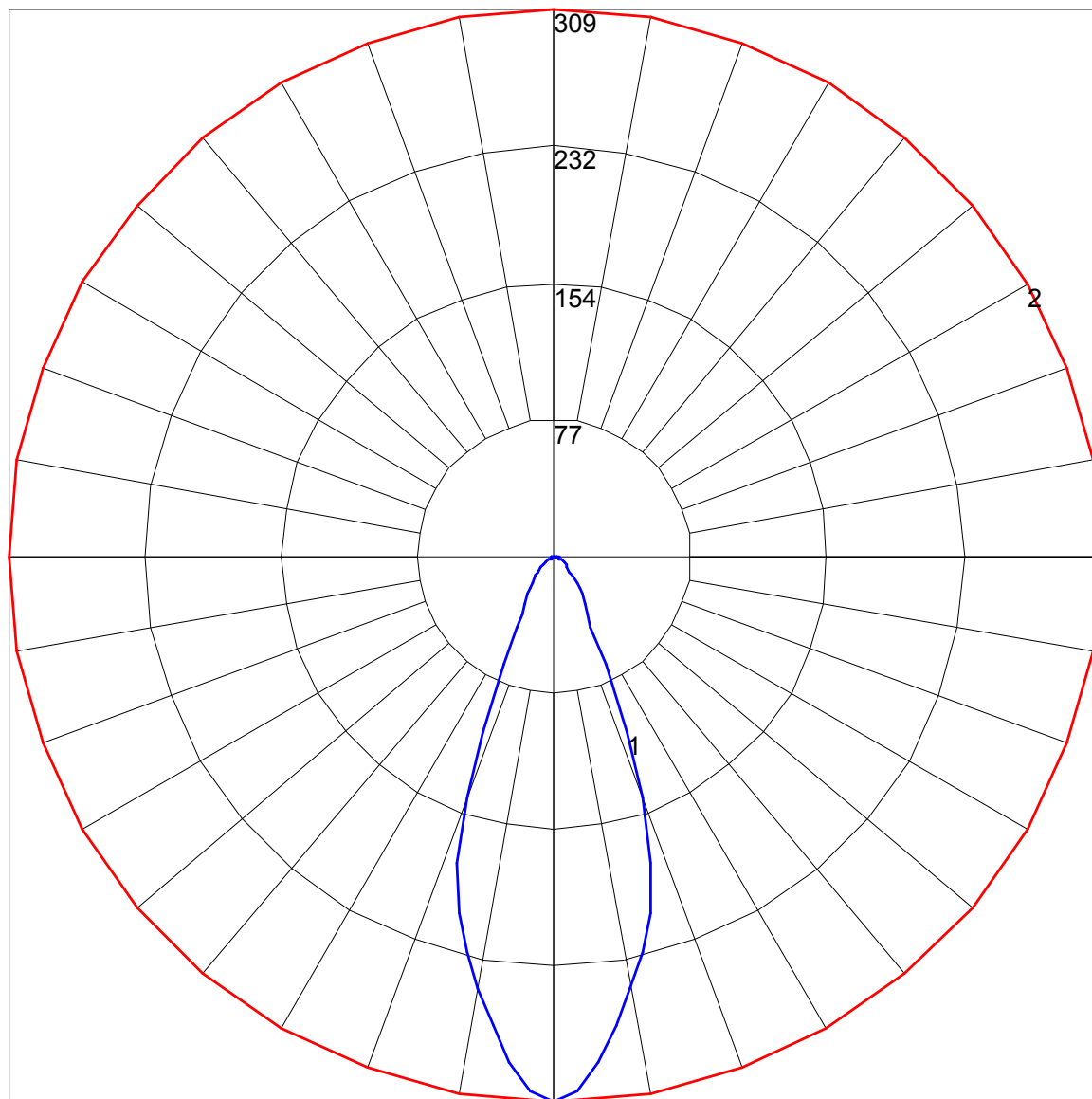
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

POLAR GRAPH



Maximum Candela = 308.7 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.)