

Digital Lighting Inc

IES INDOOR REPORT

PHOTOMETRIC FILENAME : T25452T.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]25452
[TESTLAB]LIGHTING SCIENCES, INC.
[ISSUEDATE] 6/ 4/2009
[MANUFAC]DIGITAL LIGHTING INC - LED MR16 LAMP
[LUMCAT]"QMR16-USN-30G533"
[LUMINAIRE]THREE INDIVIDUAL PLASTIC LENSES
[LAMP]THREE LEDS. LUMINAIRE OUTPUT = 151 LMS.
[OTHER]LAMP OPERATING AT 12.0 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	3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	0.38
Spacing Criteria (90-270)	0.38
Spacing Criteria (Diagonal)	0.38
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

	0
0.0	716.6
2.5	701.0
5.0	646.1
7.5	548.5
10.0	411.3
12.5	284.7
15.0	187.3
17.5	127.1
20.0	86.4
22.5	60.5
25.0	44.1
27.5	33.2
30.0	25.6
32.5	19.5
35.0	15.3
37.5	11.8
40.0	9.3
42.5	7.3
45.0	6.0
47.5	5.1
50.0	4.4
52.5	4.0
55.0	3.7
57.5	3.4
60.0	3.2
62.5	2.9
65.0	2.2
67.5	1.9
70.0	1.3
72.5	0.9
75.0	0.6
77.5	0.5
80.0	0.3
82.5	0.2
85.0	0.1
87.5	0.1
90.0	0.1

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	131.24	N.A.	86.1
0-40	141.11	N.A.	92.6
0-60	149.28	N.A.	97.9
0-90	152.46	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	152.46	N.A.	100

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	54.15
10-20	55.45
20-30	21.63
30-40	9.86
40-50	4.84
50-60	3.33
60-70	2.28
70-80	.74
80-90	.16
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

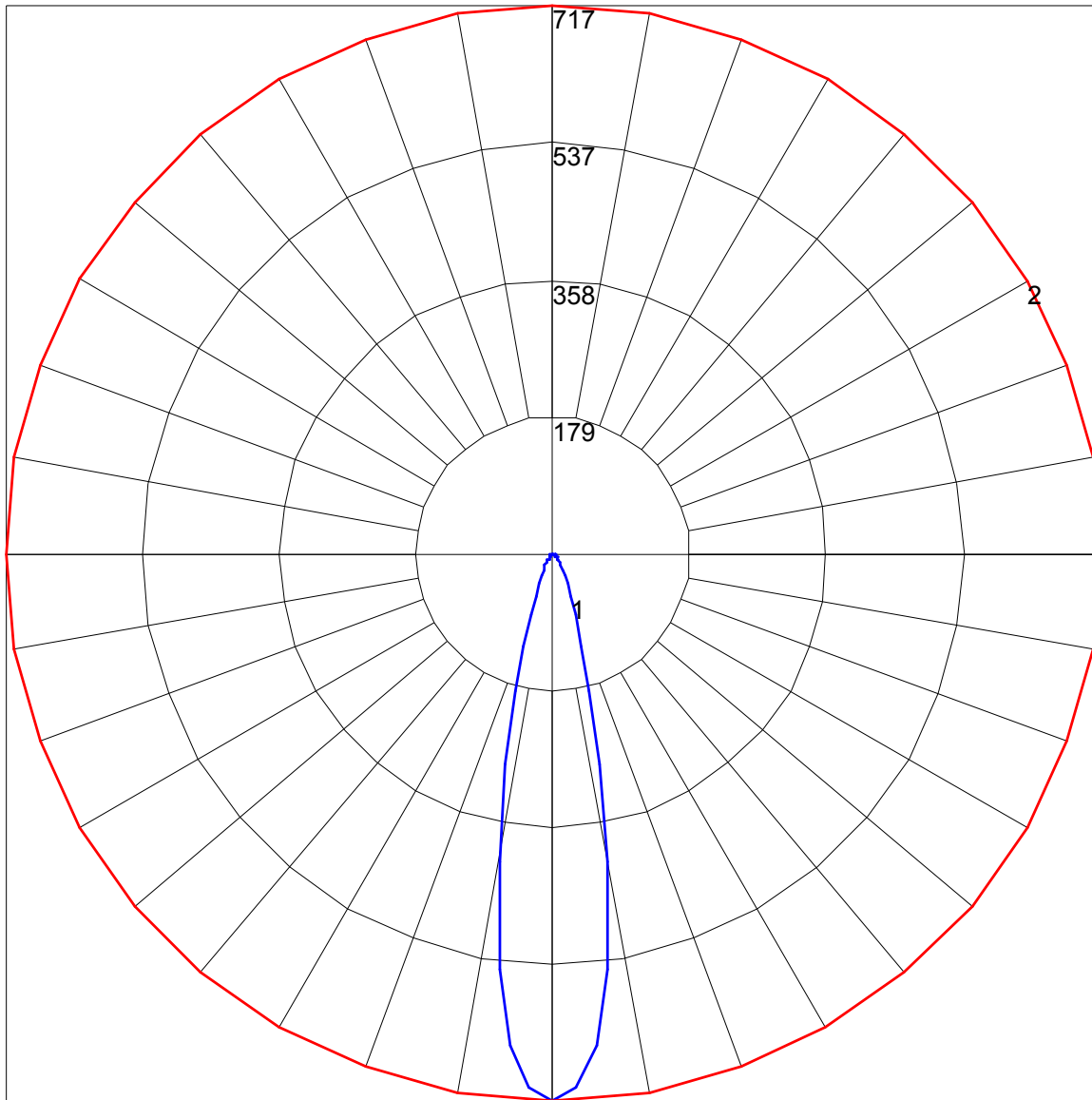
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

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

POLAR GRAPH



Maximum Candela = 716.6 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.)