



IES INDOOR REPORT

PHOTOMETRIC FILENAME : XMR-6V5W MR16_P.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [ISSUE]DATE]10/07/05
 [TEST]ITL56732
 [TESTLAB]INDEPENDENT TESTING LABORATORIES, INC.
 [MANUFAC]BEGHELLI
 [LUMCAT] XMR
 [LUMINAIRE] XMR (2 HEAD 7W EACH[_PRO FROM 5W
 [OTHER] MOLDED WHITE PLASTIC HOUSING WITH MR-16 LAMP CENTERED IN LOWER
 [MORE]HOUSING, WHITE PLASTIC TRIM RING SECURING LAMP, OPEN BOTTOM.
 [LAMP]ONE 5 WATT MR-16 INCANDESCENT, VERTICAL BASE-UP POSITION.
 [_NOTE]LAMP INFORMATION PROVIDED BY CLIENT.
 [_MOUNTING]WALL

CHARACTERISTICS

Lumens Per Lamp	65 (1 lamp)
Total Lamp Lumens	65
Luminaire Lumens	90
Total Luminaire Efficiency	139 %
Luminaire Efficacy Rating (LER)	13
Total Luminaire Watts	7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.22
Spacing Criterion (90-270)	0.22
Spacing Criterion (Diagonal)	0.24
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.17 ft (Diameter)
Luminous Width (90-270)	0.17 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	8259	8259	8259
55	1131	1131	1131
65	1535	1535	1535
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	0
0.0	908.6
0.5	898.8
1.0	887.6
1.5	872.2
2.0	858.2
2.5	841.4
3.0	819.0
3.5	781.2
4.0	726.6
4.5	659.4
5.0	590.8
5.5	525.0
6.0	467.6
6.5	417.2
7.0	369.6
7.5	329.0
8.0	291.2
8.5	257.6
9.0	228.2
9.5	205.8
10.0	186.2
10.5	166.6
11.0	148.4
11.5	130.2
12.0	116.2
12.5	102.2
13.0	89.6
13.5	78.4
14.0	70.0
14.5	61.6
15.0	54.6
15.5	49.0
16.0	44.8
16.5	40.6
17.0	36.4
17.5	33.6
18.0	29.4
18.5	26.6
19.0	23.8
19.5	22.4
20.0	21.0
22.5	15.4
25.0	12.6
27.5	11.2
30.0	12.6
32.5	18.2
35.0	21.0
37.5	18.2
40.0	15.4
42.5	14.0
45.0	12.6
47.5	11.2
50.0	7.0
52.5	2.8

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CANDELA TABULATION - (Cont.)

55.0	1.4
57.5	1.4
60.0	1.4
65.0	1.4
70.0	1.4
75.0	0.0
80.0	0.0
85.0	0.0
90.0	0.0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	59.44	91.40	65.80
0-30	65.81	101.20	72.80
0-40	77.05	118.50	85.30
0-60	88.62	136.30	98.10
0-80	90.37	139.00	100.00
0-90	90.37	139.00	100.00
10-90	48.83	75.10	54.00
20-40	17.60	27.10	19.50
20-50	27.01	41.60	29.90
40-70	12.96	19.90	14.30
60-80	1.76	2.70	1.90
70-80	0.37	0.60	0.40
80-90	0.00	0.00	0.00
90-110	0.00	0.00	0.00
90-120	0.00	0.00	0.00
90-130	0.00	0.00	0.00
90-150	0.00	0.00	0.00
90-180	0.00	0.00	0.00
110-180	0.00	0.00	0.00
0-180	90.37	139.00	100.00

Total Luminaire Efficiency = 139.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	41.55
10-20	17.90
20-30	6.37
30-40	11.23
40-50	9.41
50-60	2.16
60-70	1.39
70-80	0.37
80-90	0.00
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

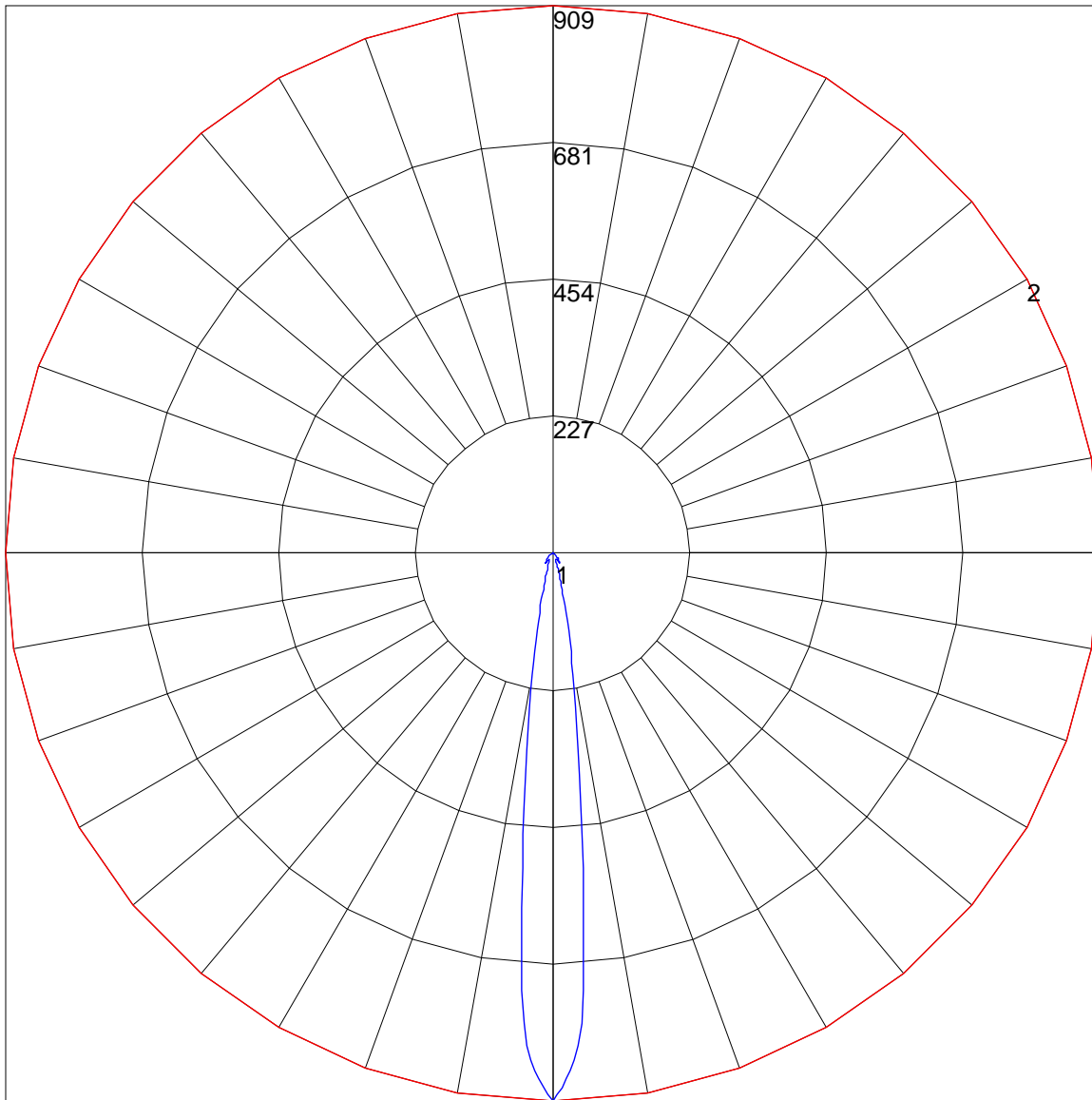
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	166	166	166	166	162	162	162	162	154	154	154	148	148	148	142	142	142	139
1	159	156	153	150	156	153	150	148	147	145	143	142	140	139	137	136	135	132
2	152	147	142	138	150	144	140	136	140	136	133	136	133	130	132	130	128	126
3	146	139	133	128	144	137	132	127	133	129	125	130	127	123	127	124	122	120
4	141	132	126	121	139	131	125	120	128	123	119	125	121	117	123	119	116	114
5	136	126	120	115	134	125	119	114	123	117	113	121	116	112	119	115	111	110
6	131	121	115	110	129	120	114	109	118	113	109	116	112	108	115	111	107	106
7	127	117	110	105	125	116	110	105	114	109	105	113	108	104	111	107	104	102
8	123	113	106	102	122	112	106	102	111	105	101	110	104	101	108	104	100	99
9	120	109	103	99	119	109	103	99	108	102	98	107	102	98	106	101	98	96
10	117	106	100	96	116	106	100	96	105	99	96	104	99	95	103	98	95	94

POLAR GRAPH



Maximum Candela = 908.6 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)