



IES INDOOR REPORT
PHOTOMETRIC FILENAME : 387MH100C.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
[TEST] 20861
[MANUFAC]LDPI - VAPORPROOF - HID CEILING
[LUMCAT]387-MH100-C
[LUMINAIRE]WITH CLEAR LINEAR PRISMATIC GLASS JAR LENS AND DIE CAST GUARD
[LAMP]ONE VENTURE 100 WATT MH LAMP
[LAMPCAT]MH100W/U/PS. LUMEN RATING = 9000 LMS.
[OTHER]LAMP OPERATING AT 100 WATTS

CHARACTERISTICS

Total Rated Lamp Lumens	9000
Total Luminaire Efficiency	80.2 %
Luminaire Efficacy Rating (LER)	56
Total Luminaire Watts	129
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criteria (0-180)	N.A.
Spacing Criteria (90-270)	N.A.
Spacing Criteria (Diagonal)	N.A.
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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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	240.47	2.7	3.3
0-40	630.14	7	8.7
0-60	1592.35	17.7	22
0-90	3785.33	42.1	52.4
90-120	2526.13	28.1	35
90-130	2879.54	32	39.9
90-150	3428.35	38.1	47.5
90-180	3436.94	38.2	47.6
0-180	7222.27	80.2	100

Total Luminaire Efficiency = 80.2%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	15.57
10-20	67.47
20-30	157.43
30-40	389.67
40-50	327.8
50-60	634.4
60-70	751.44
70-80	766.17
80-90	675.38
90-100	925.02
100-110	879.09
110-120	722.02
120-130	353.41
130-140	413.39
140-150	135.42
150-160	7.25
160-170	1.31
170-180	.03

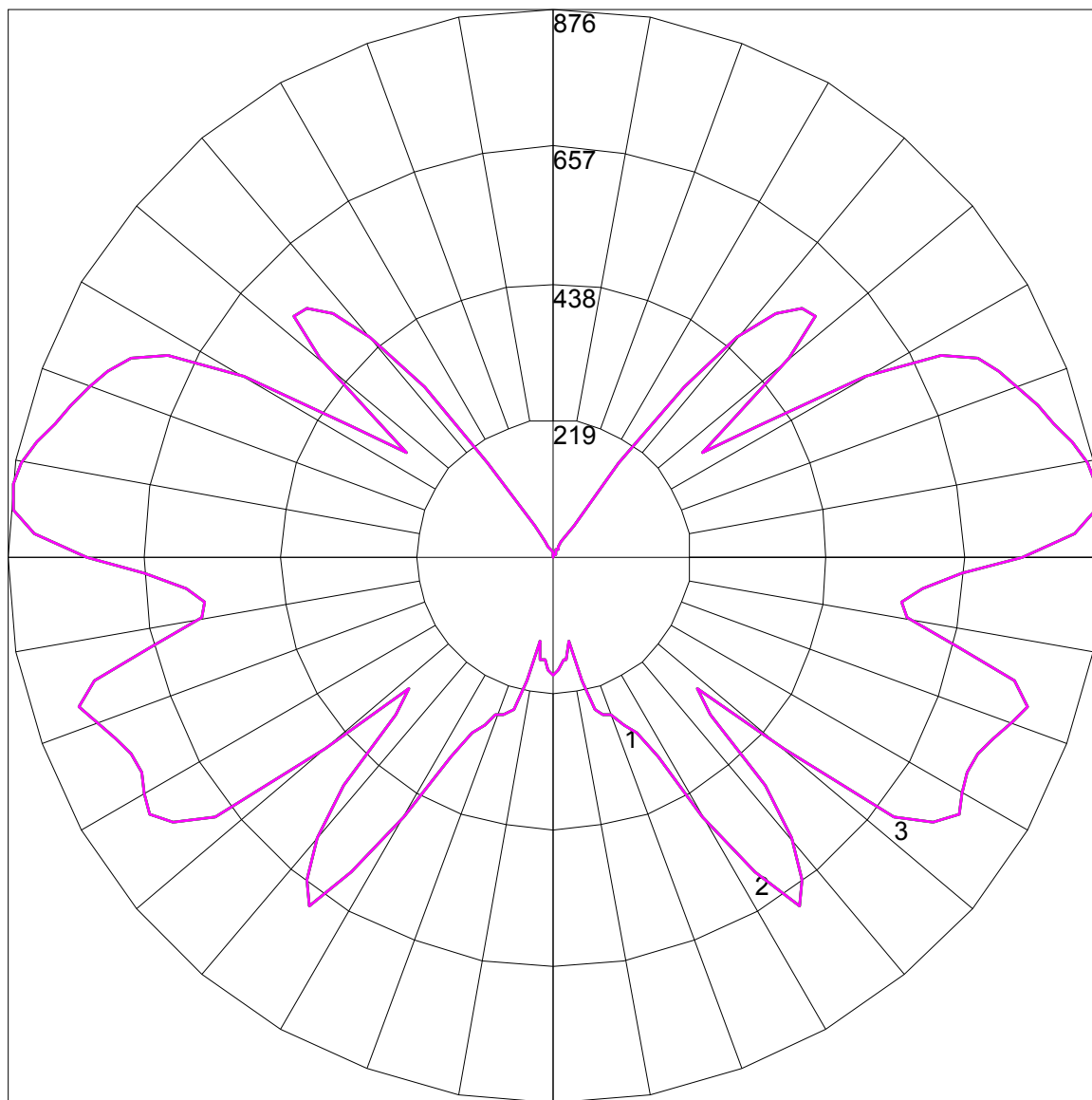
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	86	86	86	86	80	80	80	80	68	68	68	57	57	57	47	47	47	42
1	75	70	65	61	69	64	60	56	53	50	47	44	41	39	35	33	31	27
2	66	58	52	46	60	53	47	42	44	40	36	36	32	29	28	25	23	19
3	59	50	42	36	54	45	39	33	37	32	28	30	26	23	23	20	18	14
4	54	43	35	29	49	39	32	27	32	27	22	26	22	18	20	17	14	11
5	49	38	30	24	44	34	27	22	28	23	18	23	18	15	17	14	11	8
6	45	33	26	20	40	30	24	19	25	20	15	20	16	12	15	12	9	7
7	41	30	22	17	37	27	21	16	22	17	13	18	14	10	14	10	8	6
8	38	27	20	15	34	24	18	14	20	15	11	16	12	9	13	9	7	5
9	35	24	17	13	32	22	16	12	18	13	10	15	11	8	12	8	6	4
10	33	22	16	11	30	20	14	10	17	12	9	14	10	7	11	7	5	3

POLAR GRAPH



Maximum Candela = 875.9 Located At Horizontal Angle = 0, Vertical Angle = 97.5

- # 1 - Vertical Plane Through Horizontal Angles (0 - 180)
- # 2 - Vertical Plane Through Horizontal Angles (45 - 225)
- # 3 - Vertical Plane Through Horizontal Angles (90 - 270)