



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 387MH50C.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-1995  
 [TEST] 20861B  
 [MANUFAC]LDPI - VAPORPROOF - HID CEILING  
 [LUMCAT]387-MH50-C  
 [LUMINAIRE]WITH CLEAR LINEAR PRISMATIC GLASS JAR LENS AND DIE CAST GUARD  
 [LAMP]ONE 50 WATT MH LAMP  
 [LAMPCAT]MH100W/U/PS. LUMEN RATING = 3750 LMS.  
 [OTHER]SIMULATED REPORT FROM TEST WITH 100 WATT LAMP

**CHARACTERISTICS**

Total Rated Lamp Lumens	3750
Total Luminaire Efficiency	80.2 %
Luminaire Efficacy Rating (LER)	42
Total Luminaire Watts	72
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

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 387MH50C.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	100.19	2.7	3.3
0-40	262.55	7	8.7
0-60	663.48	17.7	22
0-90	1577.23	42.1	52.4
90-120	1052.56	28.1	35
90-130	1199.85	32	39.9
90-150	1428.53	38.1	47.5
90-180	1432.11	38.2	47.6
0-180	3009.33	80.2	100

Total Luminaire Efficiency = 80.2%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	6.49
10-20	28.11
20-30	65.6
30-40	162.36
40-50	136.58
50-60	264.35
60-70	313.1
70-80	319.25
80-90	281.39
90-100	385.44
100-110	366.28
110-120	300.84
120-130	147.29
130-140	172.25
140-150	56.42
150-160	3.03
160-170	.55
170-180	.01

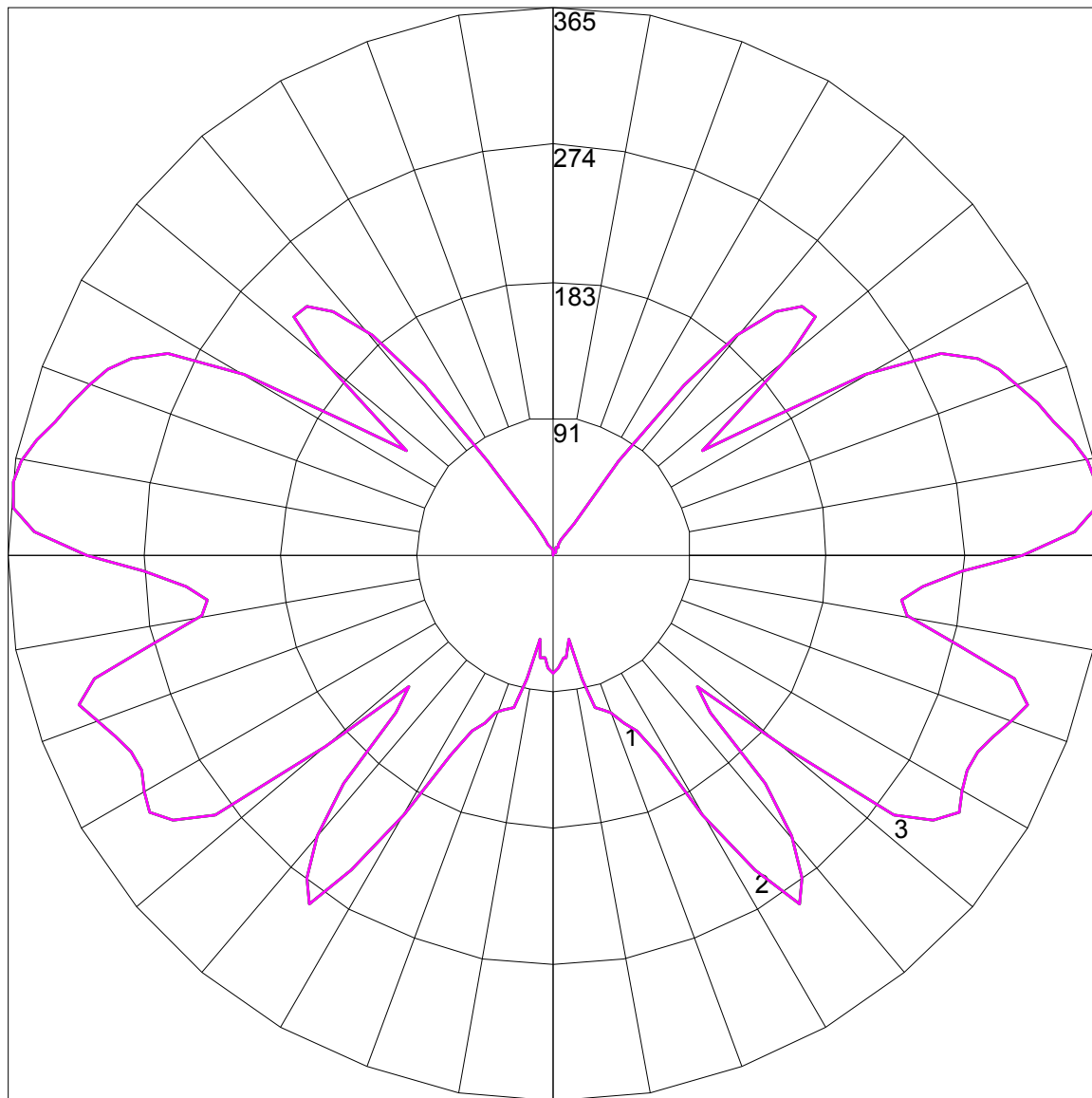
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 387MH50C.IES**

**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 = 365 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)