



**IES INDOOR REPORT
PHOTOMETRIC FILENAME : 387MH50BB.IES**

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
[TEST] 20862B
[MANUFAC]LDPI - VAPORPROOF - HID BRACKET/BOX
[LUMCAT]387-MH50-BB
[LUMINAIRE]WITH CLEAR LINEAR PRISMATIC GLASS JAR LENS AND DIE CAST GUARD
[LAMP]ONE 50 WATT MH LAMP. LUMEN RATING = 3750 LMS.
[OTHER]SIMULATED REPORT FROM TEST WITH 100 WATT LAMP

CHARACTERISTICS

Total Rated Lamp Lumens	3750
Total Luminaire Efficiency	65.9 %
Luminaire Efficacy Rating (LER)	34
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

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	85.97	2.3	3.5
0-40	222.74	5.9	9
0-60	580.77	15.5	23.5
0-90	1370.85	36.6	55.5
90-120	841.3	22.4	34
90-130	941.51	25.1	38.1
90-150	1100.21	29.3	44.5
90-180	1101.03	29.4	44.5
0-180	2471.88	65.9	100

Total Luminaire Efficiency = 65.9%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	6.88
10-20	27.26
20-30	51.83
30-40	136.76
40-50	117.18
50-60	240.85
60-70	280.83
70-80	259.85
80-90	249.4
90-100	336.63
100-110	285.18
110-120	219.49
120-130	100.21
130-140	121.71
140-150	36.99
150-160	.79
160-170	.03
170-180	0

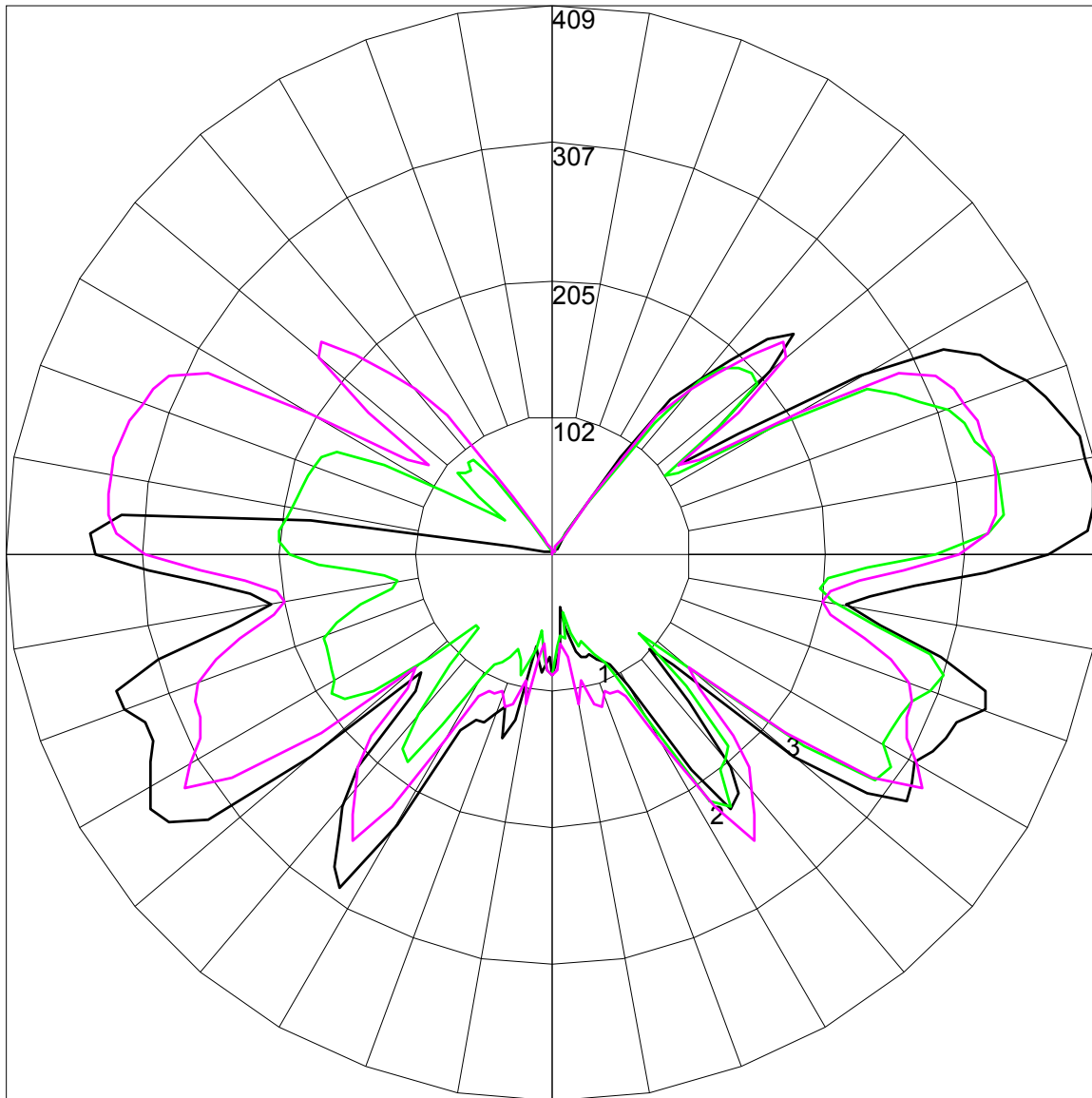
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	71	71	71	71	66	66	66	66	57	57	57	48	48	48	40	40	40	37
1	62	57	53	50	57	53	49	46	45	42	39	37	35	33	30	28	27	23
2	55	48	42	38	50	44	39	35	37	33	30	30	27	25	24	22	20	17
3	49	41	34	29	45	37	32	27	31	27	23	25	22	19	20	17	15	12
4	44	35	29	24	40	32	26	22	27	22	18	22	18	15	17	14	12	9
5	40	31	24	20	36	28	22	18	24	19	15	19	15	12	15	12	10	7
6	37	27	21	16	33	25	19	15	21	16	13	17	13	10	13	10	8	6
7	34	24	18	14	31	22	17	13	19	14	11	15	11	9	12	9	7	5
8	31	22	16	12	28	20	15	11	17	12	9	14	10	7	11	8	6	4
9	29	20	14	10	26	18	13	10	15	11	8	12	9	7	10	7	5	3
10	27	18	13	9	25	17	12	8	14	10	7	11	8	6	9	6	4	3

POLAR GRAPH



Maximum Candela = 409 Located At Horizontal Angle = 22.5, 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)