



**IES INDOOR REPORT  
PHOTOMETRIC FILENAME : 387S50C.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-1995  
[TEST] 20860B  
[MANUFAC]LDPI - VAPORPROOF - HID CEILING  
[LUMCAT]387-S50-C  
[LUMINAIRE]WITH CLEAR LINEAR PRISMATIC GLASS JAR LENS AND DIE CAST GUARD  
[LAMP]ONE 50 WATT HPS LAMP. LUMEN RATING = 4000 LMS.  
[OTHER]SIMULATED REPORT FROM TEST WITH 100 WATT LAMP

**CHARACTERISTICS**

Total Rated Lamp Lumens	4000
Total Luminaire Efficiency	77.5 %
Luminaire Efficacy Rating (LER)	50
Total Luminaire Watts	62
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	68.64	1.7	2.2
0-40	195.21	4.9	6.3
0-60	586.51	14.7	18.9
0-90	1623.47	40.6	52.4
90-120	1097.05	27.4	35.4
90-130	1278.5	32	41.3
90-150	1471.14	36.8	47.5
90-180	1474.69	36.9	47.6
0-180	3098.16	77.5	100

Total Luminaire Efficiency = 77.5%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	2.97
10-20	17.6
20-30	48.06
30-40	126.57
40-50	143.05
50-60	248.25
60-70	340.6
70-80	338.47
80-90	357.89
90-100	393.83
100-110	406.03
110-120	297.19
120-130	181.45
130-140	146.38
140-150	46.26
150-160	3.05
160-170	.49
170-180	.01

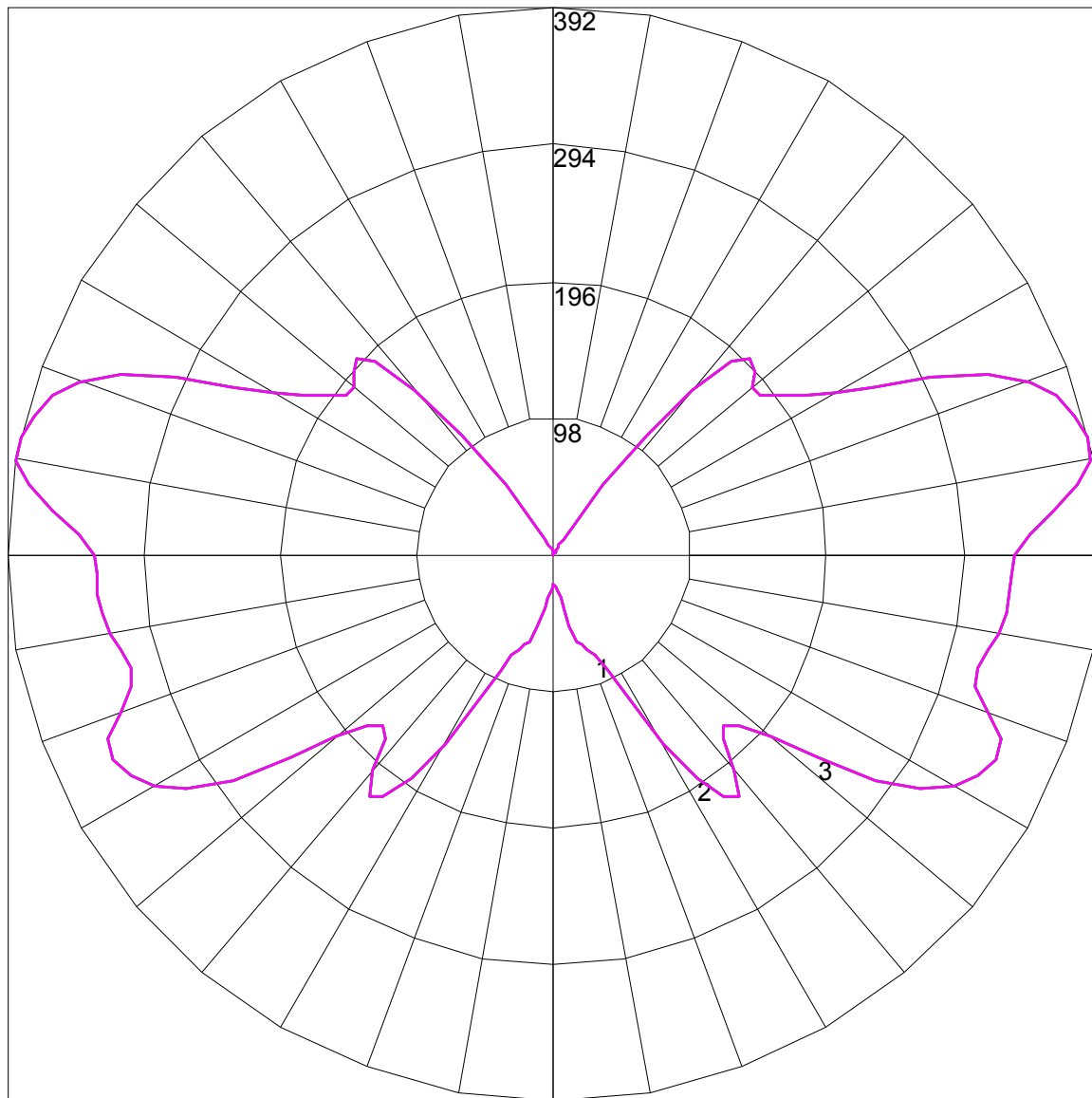
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	83	83	83	83	77	77	77	77	66	66	66	55	55	55	45	45	45	41
1	71	66	61	57	65	61	56	53	50	47	44	41	39	36	33	31	29	25
2	63	55	48	43	57	50	44	39	41	37	33	33	30	27	26	23	21	17
3	56	47	39	33	51	43	36	31	35	30	25	28	24	20	21	18	15	12
4	51	40	33	27	46	37	30	25	30	25	20	24	20	16	18	15	12	9
5	46	35	28	22	42	32	25	20	26	21	17	21	16	13	16	12	10	7
6	42	31	24	18	38	28	22	17	23	18	14	18	14	11	14	11	8	5
7	39	28	21	16	35	25	19	14	21	16	12	17	12	9	13	9	7	4
8	36	25	18	13	33	23	17	12	19	14	10	15	11	8	11	8	6	4
9	33	23	16	12	30	21	15	11	17	12	9	14	10	7	10	7	5	3
10	31	21	14	10	28	19	13	9	16	11	8	12	9	6	10	6	4	3

POLAR GRAPH



Maximum Candela = 392.3 Located At Horizontal Angle = 0, Vertical Angle = 102.5

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