



IES INDOOR REPORT
PHOTOMETRIC FILENAME : 387S50BB.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
[TEST] 20863B
[MANUFAC]LDPI - VAPORPROOF - HID BRACKET
[LUMCAT]387-S50-BB
[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	64.3 %
Luminaire Efficacy Rating (LER)	41
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	57.92	1.4	2.3
0-40	162.22	4.1	6.3
0-60	516.72	12.9	20.1
0-90	1433.24	35.8	55.7
90-120	875.31	21.9	34
90-130	1002.27	25.1	39
90-150	1137.35	28.4	44.2
90-180	1138.08	28.5	44.3
0-180	2571.31	64.3	100

Total Luminaire Efficiency = 64.3%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	2.49
10-20	15.43
20-30	40
30-40	104.3
40-50	125.34
50-60	229.16
60-70	302.62
70-80	295.4
80-90	318.49
90-100	355.15
100-110	314.41
110-120	205.75
120-130	126.96
130-140	105.97
140-150	29.11
150-160	.69
160-170	.03
170-180	0

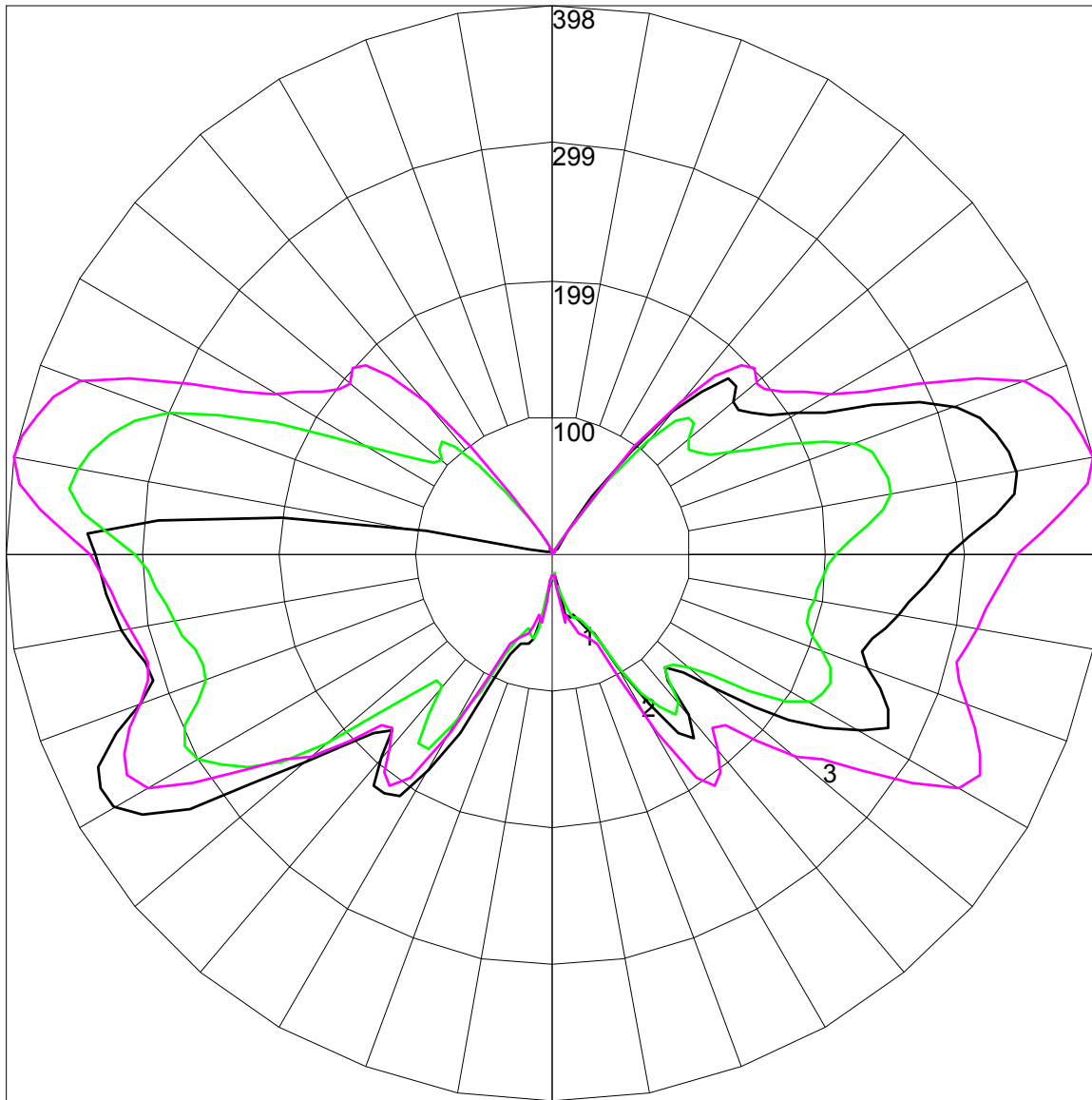
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	70	70	70	70	65	65	65	65	56	56	56	47	47	47	39	39	39	36	
1	60	55	51	47	55	51	47	44	43	40	37	35	33	31	28	27	25	22	
2	52	46	40	35	48	42	37	32	35	31	27	28	25	22	22	20	18	15	
3	47	39	32	27	43	35	30	25	29	25	21	24	20	17	18	16	13	11	
4	42	33	27	22	38	30	25	20	25	20	17	20	16	13	16	13	10	8	
5	38	29	23	18	35	27	21	16	22	17	14	18	14	11	14	11	8	6	
6	35	26	19	15	32	23	18	14	19	15	11	16	12	9	12	9	7	5	
7	32	23	17	13	29	21	15	12	17	13	10	14	10	8	11	8	6	4	
8	30	20	15	11	27	19	14	10	16	11	8	13	9	6	10	7	5	3	
9	28	19	13	9	25	17	12	9	14	10	7	11	8	6	9	6	4	3	
10	26	17	12	8	23	16	11	7	13	9	6	11	7	5	8	5	4	2	

POLAR GRAPH



Maximum Candela = 398.2 Located At Horizontal Angle = 90, Vertical Angle = 100

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