



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 387S100BB.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-1995  
[TEST] 20863  
[MANUFAC]LDPI - VAPORPROOF - HID BRACKET  
[LUMCAT]387-S100-BB  
[LUMINAIRE]WITH CLEAR LINEAR PRISMATIC GLASS JAR LENS AND DIE CAST GUARD  
[LAMP]ONE PHILIPS 100 WATT HPS LAMP  
[LAMPCAT]C100S54/M. LUMEN RATING = 9500 LMS.  
[OTHER]LAMP OPERATING AT 100 WATTS

**CHARACTERISTICS**

Total Rated Lamp Lumens	9500
Total Luminaire Efficiency	64.3 %
Luminaire Efficacy Rating (LER)	47
Total Luminaire Watts	130
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	137.55	1.4	2.3
0-40	385.27	4.1	6.3
0-60	1227.2	12.9	20.1
0-90	3403.89	35.8	55.7
90-120	2078.87	21.9	34
90-130	2380.42	25.1	39
90-150	2701.26	28.4	44.2
90-180	2703	28.5	44.3
0-180	6106.89	64.3	100

Total Luminaire Efficiency = 64.3%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	5.91
10-20	36.65
20-30	94.99
30-40	247.72
40-50	297.68
50-60	544.25
60-70	718.72
70-80	701.57
80-90	756.4
90-100	843.48
100-110	746.73
110-120	488.66
120-130	301.55
130-140	251.69
140-150	69.15
150-160	1.66
160-170	.08
170-180	0

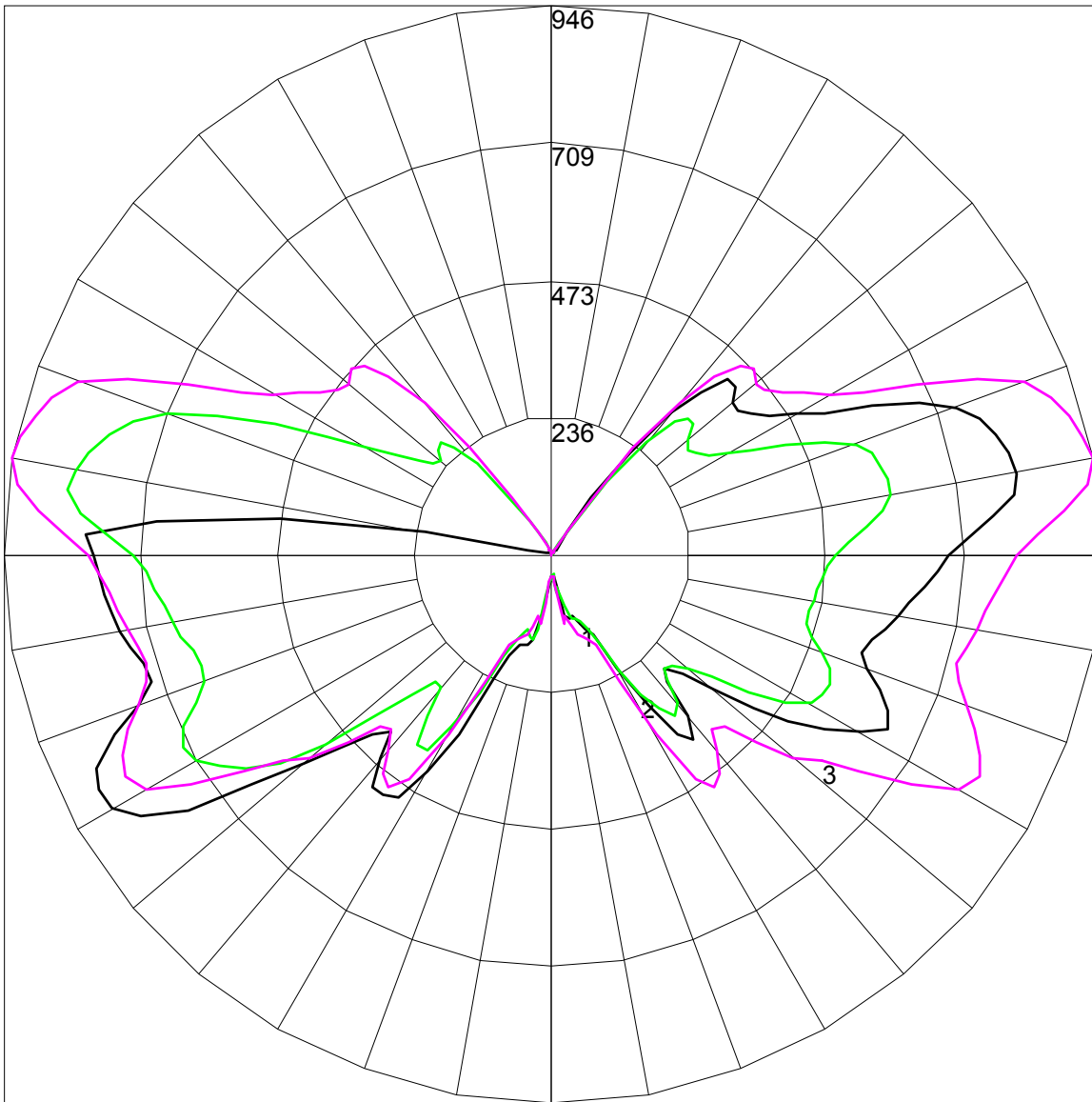
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	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 = 945.8 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)