



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 387CFL42C.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-1995  
[TEST] 20865  
[MANUFAC]LDPI - VAPORPROOF - CFL CEILING  
[LUMCAT]387-CFL42-C  
[LUMINAIRE]WITH CLEAR LINEAR PRISMATIC GLASS JAR LENS AND DIE CAST GUARD  
[LAMP]ONE PHILIPS 42 WATT CPFL LAMP  
[LAMPCAT]PL-T 42W/41/4P. LUMEN RATING = 3200 LMS.  
[OTHER]ONE ROBERTSON RSM226CQMVDW BALLAST OPERATING AT 120 VAC AND 42 WATTS

**CHARACTERISTICS**

Total Rated Lamp Lumens	3200
Total Luminaire Efficiency	67.6 %
Luminaire Efficacy Rating (LER)	45
Total Luminaire Watts	48
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	75.29	2.4	3.5
0-40	165.23	5.2	7.6
0-60	480.06	15	22.2
0-90	1206.02	37.7	55.7
90-120	674.53	21.1	31.2
90-130	818.29	25.6	37.8
90-150	948.35	29.6	43.8
90-180	958.43	30	44.3
0-180	2164.45	67.6	100

Total Luminaire Efficiency = 67.6%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	6.24
10-20	21.01
20-30	48.04
30-40	89.94
40-50	134.62
50-60	180.21
60-70	221.58
70-80	249.78
80-90	254.6
90-100	252.67
100-110	230.51
110-120	191.35
120-130	143.76
130-140	90.79
140-150	39.27
150-160	9.3
160-170	.77
170-180	.01

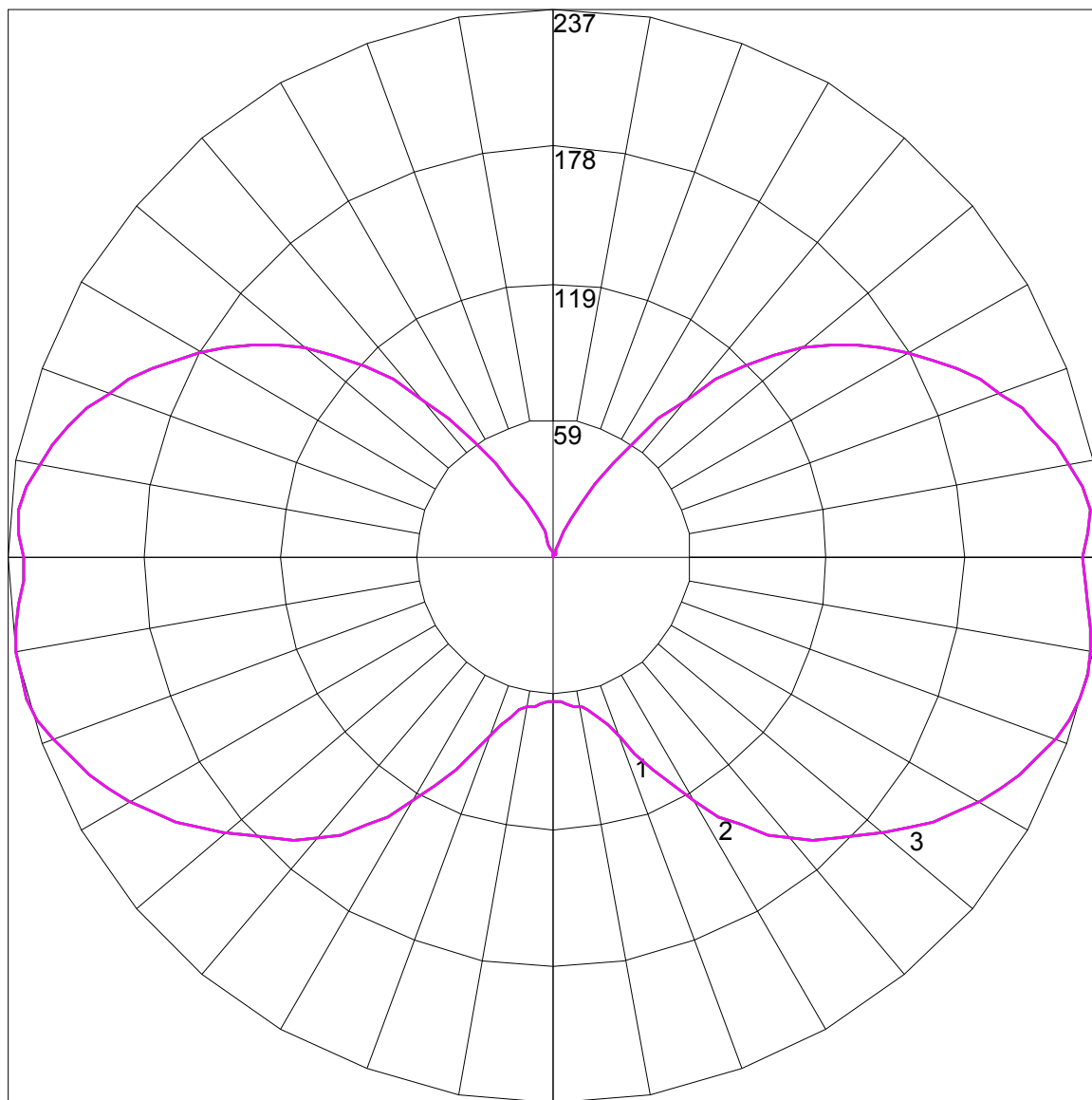
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	73	73	73	73	68	68	68	68	59	59	59	50	50	50	42	42	42	38
1	63	58	54	50	58	54	50	46	45	42	40	37	35	33	30	28	27	23
2	56	48	43	38	51	45	39	35	37	33	29	30	27	24	24	22	19	16
3	50	41	35	29	45	38	32	27	31	27	23	26	22	19	20	17	15	12
4	45	36	29	24	41	33	27	22	27	22	18	22	18	15	17	14	12	9
5	41	31	25	20	37	29	23	18	24	19	15	19	15	12	15	12	9	7
6	37	28	21	16	34	25	19	15	21	16	13	17	13	10	13	10	8	6
7	34	25	18	14	31	23	17	13	19	14	11	15	12	9	12	9	7	5
8	32	22	16	12	29	20	15	11	17	13	9	14	10	7	11	8	6	4
9	29	20	14	10	27	19	13	10	15	11	8	13	9	6	10	7	5	3
10	27	18	13	9	25	17	12	8	14	10	7	12	8	6	9	6	4	3

POLAR GRAPH



Maximum Candela = 237.3 Located At Horizontal Angle = 0, Vertical Angle = 77.5

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