



IES INDOOR REPORT
PHOTOMETRIC FILENAME : 387CFL42BB.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
[TEST] 20864
[MANUFAC]LDPI - VAPORPROOF - CFL BRACKET/BOX
[LUMCAT]387-CFL42-BB
[LUMINAIRE]WITH CLEAR LINEAR PRISMATIC GLASS JAR LENS AND DIE CAST GUARD
[LAMP]ONE PHILIPS 42 WATT CPFL LAMP
[LAMP]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 | 66.2 % |
| Luminaire Efficacy Rating (LER) | 44 |
| 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 | 73.94 | 2.3 | 3.5 |
| 0-40 | 164.43 | 5.1 | 7.8 |
| 0-60 | 489.25 | 15.3 | 23.1 |
| 0-90 | 1245.43 | 38.9 | 58.8 |
| 90-120 | 647.2 | 20.2 | 30.6 |
| 90-130 | 769.25 | 24 | 36.3 |
| 90-150 | 868.45 | 27.1 | 41 |
| 90-180 | 871.6 | 27.2 | 41.2 |
| 0-180 | 2117.03 | 66.2 | 100 |

Total Luminaire Efficiency = 66.2%

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 6.17 |
| 10-20 | 20.54 |
| 20-30 | 47.23 |
| 30-40 | 90.5 |
| 40-50 | 137.74 |
| 50-60 | 187.08 |
| 60-70 | 230.99 |
| 70-80 | 259.91 |
| 80-90 | 265.28 |
| 90-100 | 255.39 |
| 100-110 | 220.94 |
| 110-120 | 170.86 |
| 120-130 | 122.05 |
| 130-140 | 72.52 |
| 140-150 | 26.68 |
| 150-160 | 3.13 |
| 160-170 | .03 |
| 170-180 | 0 |

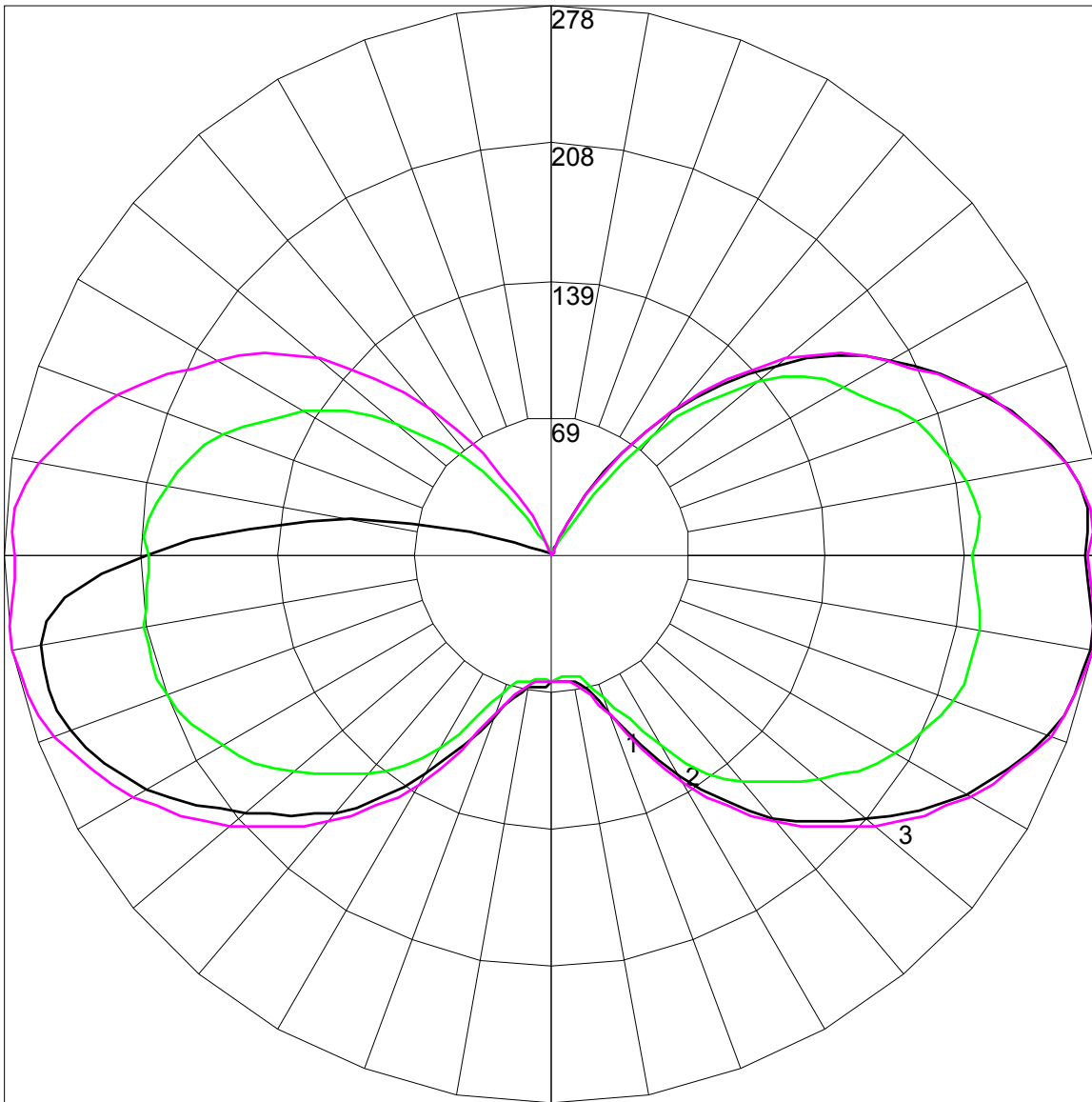
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 | | 72 | 72 | 72 | 72 | 67 | 67 | 67 | 67 | 58 | 58 | 58 | 50 | 50 | 50 | 42 | 42 | 42 | 39 |
| 1 | | 62 | 57 | 53 | 49 | 57 | 53 | 49 | 45 | 45 | 42 | 39 | 37 | 35 | 33 | 31 | 29 | 27 | 24 |
| 2 | | 54 | 47 | 41 | 36 | 50 | 44 | 38 | 34 | 37 | 33 | 29 | 30 | 27 | 24 | 25 | 22 | 20 | 17 |
| 3 | | 49 | 40 | 34 | 28 | 45 | 37 | 31 | 26 | 31 | 26 | 22 | 26 | 22 | 19 | 20 | 17 | 15 | 12 |
| 4 | | 44 | 35 | 28 | 23 | 40 | 32 | 26 | 21 | 27 | 22 | 18 | 22 | 18 | 15 | 17 | 14 | 12 | 9 |
| 5 | | 40 | 30 | 24 | 19 | 36 | 28 | 22 | 17 | 23 | 18 | 15 | 19 | 15 | 12 | 15 | 12 | 9 | 7 |
| 6 | | 36 | 27 | 20 | 16 | 33 | 25 | 19 | 15 | 21 | 16 | 12 | 17 | 13 | 10 | 14 | 10 | 8 | 6 |
| 7 | | 34 | 24 | 18 | 13 | 31 | 22 | 16 | 12 | 19 | 14 | 10 | 15 | 11 | 8 | 12 | 9 | 7 | 5 |
| 8 | | 31 | 22 | 16 | 11 | 28 | 20 | 14 | 11 | 17 | 12 | 9 | 14 | 10 | 7 | 11 | 8 | 6 | 4 |
| 9 | | 29 | 19 | 14 | 10 | 26 | 18 | 13 | 9 | 15 | 11 | 8 | 13 | 9 | 6 | 10 | 7 | 5 | 3 |
| 10 | | 27 | 18 | 12 | 9 | 25 | 16 | 11 | 8 | 14 | 10 | 7 | 12 | 8 | 6 | 9 | 6 | 4 | 3 |

POLAR GRAPH



Maximum Candela = 277.5 Located At Horizontal Angle = 90, Vertical Angle = 80

1 - Vertical Plane Through Horizontal Angles (0 - 180)

2 - Vertical Plane Through Horizontal Angles (45 - 225)

3 - Vertical Plane Through Horizontal Angles (90 - 270)