



**IES INDOOR REPORT  
PHOTOMETRIC FILENAME : 387S70C.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-1995  
[TEST] 20860A  
[MANUFAC]LDPI - VAPORPROOF - HID CEILING  
[LUMCAT]387-S70-C  
[LUMINAIRE]WITH CLEAR LINEAR PRISMATIC GLASS JAR LENS AND DIE CAST GUARD  
[LAMP]ONE 70 WATT HPS LAMP. LUMEN RATING = 6300 LMS.  
[OTHER]SIMULATED REPORT FROM TEST WITH 100 WATT LAMP

**CHARACTERISTICS**

|                                 |                 |
|---------------------------------|-----------------|
| Total Rated Lamp Lumens         | 6300            |
| Total Luminaire Efficiency      | 77.5 %          |
| Luminaire Efficacy Rating (LER) | 57              |
| Total Luminaire Watts           | 86              |
| 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   | 108.12  | 1.7   | 2.2   |
| 0-40   | 307.46  | 4.9   | 6.3   |
| 0-60   | 923.83  | 14.7  | 18.9  |
| 0-90   | 2557.02 | 40.6  | 52.4  |
| 90-120 | 1727.83 | 27.4  | 35.4  |
| 90-130 | 2013.6  | 32    | 41.3  |
| 90-150 | 2317.04 | 36.8  | 47.5  |
| 90-180 | 2322.64 | 36.9  | 47.6  |
| 0-180  | 4879.66 | 77.5  | 100   |

Total Luminaire Efficiency = 77.5%

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens |
|---------|--------|
| 0-10    | 4.69   |
| 10-20   | 27.74  |
| 20-30   | 75.69  |
| 30-40   | 199.34 |
| 40-50   | 225.33 |
| 50-60   | 391.04 |
| 60-70   | 536.45 |
| 70-80   | 533.08 |
| 80-90   | 563.65 |
| 90-100  | 620.25 |
| 100-110 | 639.53 |
| 110-120 | 468.05 |
| 120-130 | 285.77 |
| 130-140 | 230.56 |
| 140-150 | 72.88  |
| 150-160 | 4.81   |
| 160-170 | .78    |
| 170-180 | .01    |

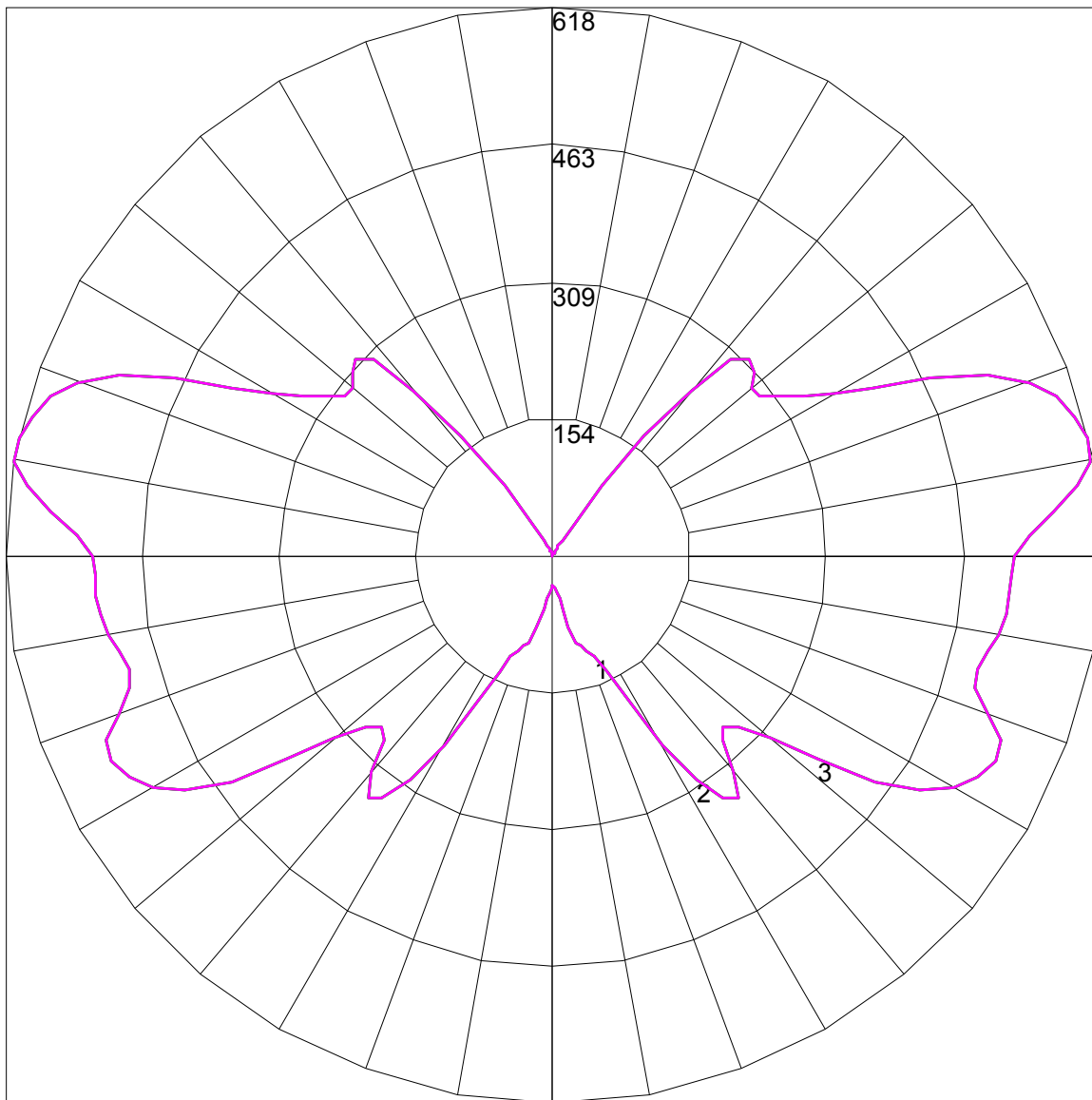
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 |    |
| 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 = 617.9 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)