

Photometrics • Lusio Bay • Focused Distribution

► Part No. LW-LUSIO-BAY-LG-FD-CW

Total Thermally Stabilized Lumens: 6,720
Kelvin: 4150K +/- 350K (standard)

Photometry results from actual luminaire tested at 3950K.

Fixture Wattage: 103W (110-277 VAC)
Luminaire Efficacy Rating: 65

Spacing Criteria
 Lateral Plane 0° 90°
 1.5 1.5

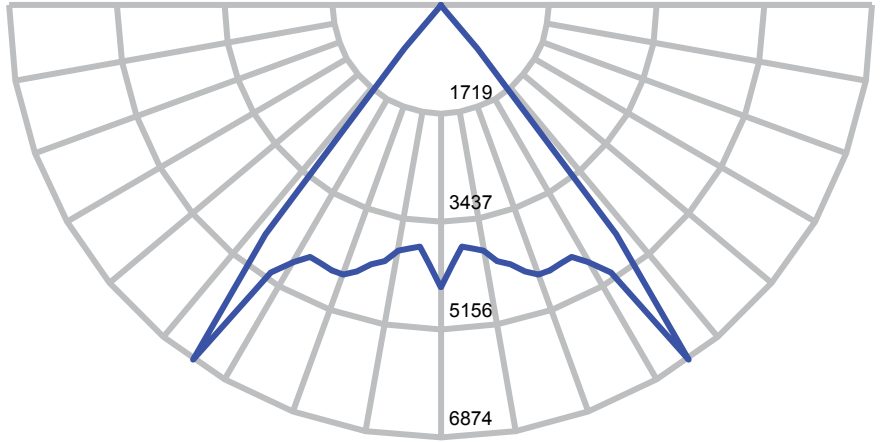
► **Beam Data**



| Height | Beam Center Footcandles | Beam Diameter |
|--------|-------------------------|---------------|
| 10 ft | 44.9 | 14.1 ft |
| 12 ft | 31.2 | 16.9 ft |
| 15 ft | 19.9 | 21.1 ft |
| 18 ft | 13.9 | 25.3 ft |
| 20 ft | 11.2 | 28 ft |
| 25 ft | 7.2 | 35 ft |

► **Polar Candela Distribution**

Quadrilaterally Symmetric



► **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 | 126 | 126 | 126 | 126 | 123 | 123 | 123 | 123 | 118 | 118 | 118 | 118 | 113 | 113 | 113 | 108 | 108 | 108 | 106 | | | | | |
| 1 | 120 | 117 | 114 | 112 | 117 | 115 | 112 | 110 | 110 | 108 | 106 | 106 | 105 | 103 | 103 | 103 | 101 | 100 | 98 | | | | | |
| 2 | 114 | 108 | 103 | 100 | 111 | 106 | 102 | 99 | 103 | 99 | 96 | 100 | 97 | 94 | 97 | 94 | 92 | 91 | | | | | | |
| 3 | 107 | 100 | 94 | 90 | 105 | 98 | 93 | 89 | 96 | 91 | 88 | 93 | 89 | 86 | 91 | 86 | 85 | 83 | | | | | | |
| 4 | 101 | 92 | 86 | 81 | 99 | 91 | 85 | 81 | 89 | 84 | 80 | 87 | 82 | 79 | 85 | 81 | 78 | 76 | | | | | | |
| 5 | 95 | 86 | 79 | 74 | 93 | 85 | 78 | 74 | 83 | 77 | 73 | 81 | 76 | 72 | 79 | 75 | 72 | 70 | | | | | | |
| 6 | 90 | 79 | 73 | 68 | 88 | 79 | 72 | 67 | 77 | 71 | 63 | 75 | 70 | 66 | 74 | 69 | 66 | 64 | | | | | | |
| 7 | 85 | 74 | 67 | 62 | 83 | 73 | 66 | 62 | 72 | 66 | 61 | 70 | 65 | 61 | 69 | 64 | 61 | 59 | | | | | | |
| 8 | 80 | 69 | 62 | 57 | 78 | 68 | 61 | 57 | 67 | 61 | 57 | 66 | 60 | 56 | 65 | 60 | 56 | 54 | | | | | | |
| 9 | 75 | 64 | 57 | 52 | 74 | 63 | 57 | 52 | 62 | 56 | 52 | 61 | 56 | 52 | 60 | 55 | 52 | 50 | | | | | | |
| 10 | 71 | 60 | 53 | 48 | 70 | 59 | 53 | 48 | 58 | 52 | 48 | 57 | 52 | 48 | 57 | 52 | 48 | 46 | | | | | | |

► **Zonal Lumen Summary**

| Zone | Lumens | Zone | Lumens | % of Fixture |
|--------------|----------------|------------|---------|--------------|
| 0° - 10° | 368.7 | 0° - 30° | 3,670.7 | 54.6 |
| 10° - 20° | 1,198.6 | 0° - 40° | 6,608.3 | 98.3 |
| 20° - 30° | 2,103.3 | 0° - 60° | 6,712.0 | 99.9 |
| 30° - 40° | 2,937.6 | 0° - 90° | 6,720.0 | 100 |
| 40° - 50° | 96.4 | 90° - 120° | 0 | 0 |
| 50° - 60° | 7.3 | 90° - 130° | 0 | 0 |
| 60° - 70° | 4.1 | 90° - 150° | 0 | 0 |
| 70° - 80° | 2.5 | 90° - 180° | 0 | 0 |
| 80° - 90° | 1.4 | 0° - 180° | 6,720.0 | 100 |
| 90° - 180° | 0 | | | |
| Total | 6,720.0 | | | |

► **Candela Distribution Array**

| Vertical Angle | Horizontal Angle | | |
|----------------|------------------|---------|---------|
| | 0° | 45° | 90° |
| 0° | 4,487.5 | 4,487.5 | 4,487.5 |
| 5° | 3,924.3 | 3,899.5 | 3,670.9 |
| 15° | 4,340.2 | 4,371.8 | 4,243.5 |
| 25° | 4,524.4 | 4,543.8 | 4,532.8 |
| 35° | 6,361.7 | 6,252.6 | 6,079.2 |
| 45° | 25.3 | 17.0 | 28.9 |
| 55° | 8.1 | 8.0 | 10.5 |
| 65° | 3.7 | 4.2 | 4.9 |
| 75° | 2.3 | 2.5 | 2.8 |
| 85° | 1.1 | 1.5 | 1.2 |
| 90° | 0.5 | 0.9 | 0.8 |

► **Luminance Data (Cd/m²)**

| Vertical Angle | Average 0° | Average 45° | Average 90° |
|----------------|------------|-------------|-------------|
| 45° | 115.0 | 77.0 | 131.0 |
| 55° | 45.0 | 45.0 | 59.0 |
| 65° | 28.0 | 32.0 | 37.0 |
| 75° | 29.0 | 31.0 | 35.0 |
| 85° | 40.0 | 57.0 | 45.0 |

► **Spectral Power Distribution**

