

# Photometrics • Lusio Industrial Linear • Focused Distribution

► Part No. LW-LUSIO-LIN-LG-FD-CW

**Total Thermally Stabilized Lumens:** 4,228  
**Kelvin:** 4150K +/- 350K (standard)

*Photometry results from actual luminaire tested at 3950K.*

**Fixture Wattage:** 68W (110-277 VAC)  
**Luminaire Efficacy Rating:** 63

**Spacing Criteria**

|               |     |     |
|---------------|-----|-----|
| Lateral Plane | 0°  | 90° |
|               | 1.5 | 1.5 |

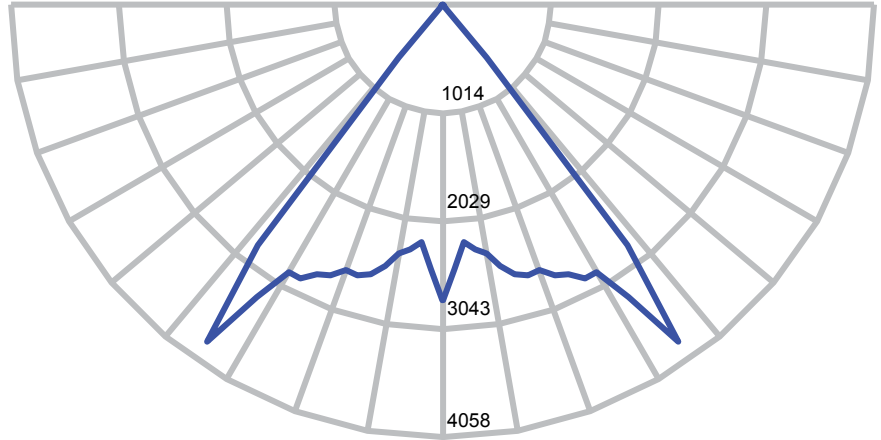
► **Beam Data**



| Height | Beam Center Footcandles | Beam Diameter |
|--------|-------------------------|---------------|
| 8 ft   | 43.3                    | 13.5 ft       |
| 10 ft  | 27.7                    | 16.8 ft       |
| 12 ft  | 19.3                    | 20.2 ft       |
| 15 ft  | 12.3                    | 25.3 ft       |
| 18 ft  | 8.6                     | 30 ft         |
| 20 ft  | 6.9                     | 34 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  | 119 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |  |
| 1  | 113 | 110 | 108 | 105 | 105 | 111 | 108 | 106 | 104 | 104 | 102 | 100 | 100 | 99  | 97  | 97  | 96  | 95  | 93  |  |
| 2  | 107 | 102 | 97  | 94  | 94  | 105 | 100 | 96  | 93  | 97  | 94  | 91  | 94  | 91  | 89  | 91  | 89  | 87  | 85  |  |
| 3  | 101 | 94  | 89  | 84  | 84  | 99  | 93  | 88  | 84  | 90  | 86  | 82  | 88  | 84  | 81  | 85  | 82  | 80  | 78  |  |
| 4  | 95  | 87  | 81  | 77  | 77  | 93  | 86  | 80  | 76  | 84  | 79  | 75  | 82  | 78  | 74  | 80  | 76  | 73  | 72  |  |
| 5  | 90  | 81  | 74  | 70  | 70  | 88  | 80  | 74  | 69  | 78  | 73  | 69  | 76  | 72  | 68  | 74  | 71  | 67  | 66  |  |
| 6  | 84  | 75  | 68  | 64  | 64  | 83  | 74  | 68  | 63  | 72  | 67  | 63  | 71  | 66  | 62  | 70  | 65  | 62  | 60  |  |
| 7  | 80  | 69  | 63  | 58  | 58  | 78  | 69  | 63  | 58  | 67  | 62  | 58  | 66  | 61  | 57  | 65  | 61  | 57  | 56  |  |
| 8  | 75  | 65  | 58  | 54  | 54  | 74  | 64  | 58  | 53  | 63  | 57  | 53  | 62  | 57  | 53  | 61  | 56  | 53  | 51  |  |
| 9  | 71  | 60  | 54  | 49  | 49  | 70  | 60  | 53  | 49  | 59  | 53  | 49  | 58  | 53  | 49  | 57  | 52  | 49  | 47  |  |
| 10 | 67  | 56  | 50  | 46  | 46  | 66  | 56  | 50  | 45  | 55  | 49  | 45  | 54  | 49  | 45  | 53  | 48  | 45  | 44  |  |

► **Zonal Lumen Summary**

| Zone         | Lumens         | Zone       | Lumens  | % of Fixture |
|--------------|----------------|------------|---------|--------------|
| 0° - 10°     | 228.6          | 0° - 30°   | 2,317.1 | 54.8         |
| 10° - 20°    | 759.9          | 0° - 40°   | 4,126.6 | 97.6         |
| 20° - 30°    | 1,328.7        | 0° - 60°   | 4,217.5 | 99.8         |
| 30° - 40°    | 1,809.5        | 0° - 90°   | 4,228.0 | 100          |
| 40° - 50°    | 79.4           | 90° - 120° | 0       | 0            |
| 50° - 60°    | 11.6           | 90° - 130° | 0       | 0            |
| 60° - 70°    | 6.0            | 90° - 150° | 0       | 0            |
| 70° - 80°    | 3.2            | 90° - 180° | 0       | 0            |
| 80° - 90°    | 1.3            | 0° - 180°  | 4,228.0 | 100          |
| 90° - 180°   | 0              |            |         |              |
| <b>Total</b> | <b>4,228.0</b> |            |         |              |

► **Candela Distribution Array**

| Vertical Angle | Horizontal Angle |         |         |
|----------------|------------------|---------|---------|
|                | 0°               | 45°     | 90°     |
| 0°             | 2,774.4          | 2,774.4 | 2,774.4 |
| 5°             | 2,180.6          | 2,321.3 | 2,328.7 |
| 15°            | 2,583.1          | 2,670.9 | 2,680.1 |
| 25°            | 2,792.5          | 2,825.6 | 2,863.6 |
| 35°            | 3,793.5          | 3,894.5 | 3,544.4 |
| 45°            | 25.1             | 27.0    | 37.4    |
| 55°            | 10.7             | 11.6    | 20.0    |
| 65°            | 5.3              | 5.9     | 10.0    |
| 75°            | 2.8              | 3.3     | 4.2     |
| 85°            | 1.1              | 1.3     | 1.8     |
| 90°            | 0.4              | 0.9     | 0.4     |

► **Luminance Data (Cd/m<sup>2</sup>)**

| Vertical Angle | Average 0° | Average 45° | Average 90° |
|----------------|------------|-------------|-------------|
| 45°            | 151.0      | 163.0       | 225.0       |
| 55°            | 79.0       | 86.0        | 148.0       |
| 65°            | 53.0       | 59.0        | 101.0       |
| 75°            | 46.0       | 54.0        | 69.0        |
| 85°            | 53.0       | 62.0        | 86.0        |

► **Spectral Power Distribution**

