

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P737916

Luminaire Tested: **14PT-60-PP3-L935**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P737916  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-8)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-60-PP3-L935  
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PRISM LENS

Light Source: -  
Ballast/Driver: -

**Summary**

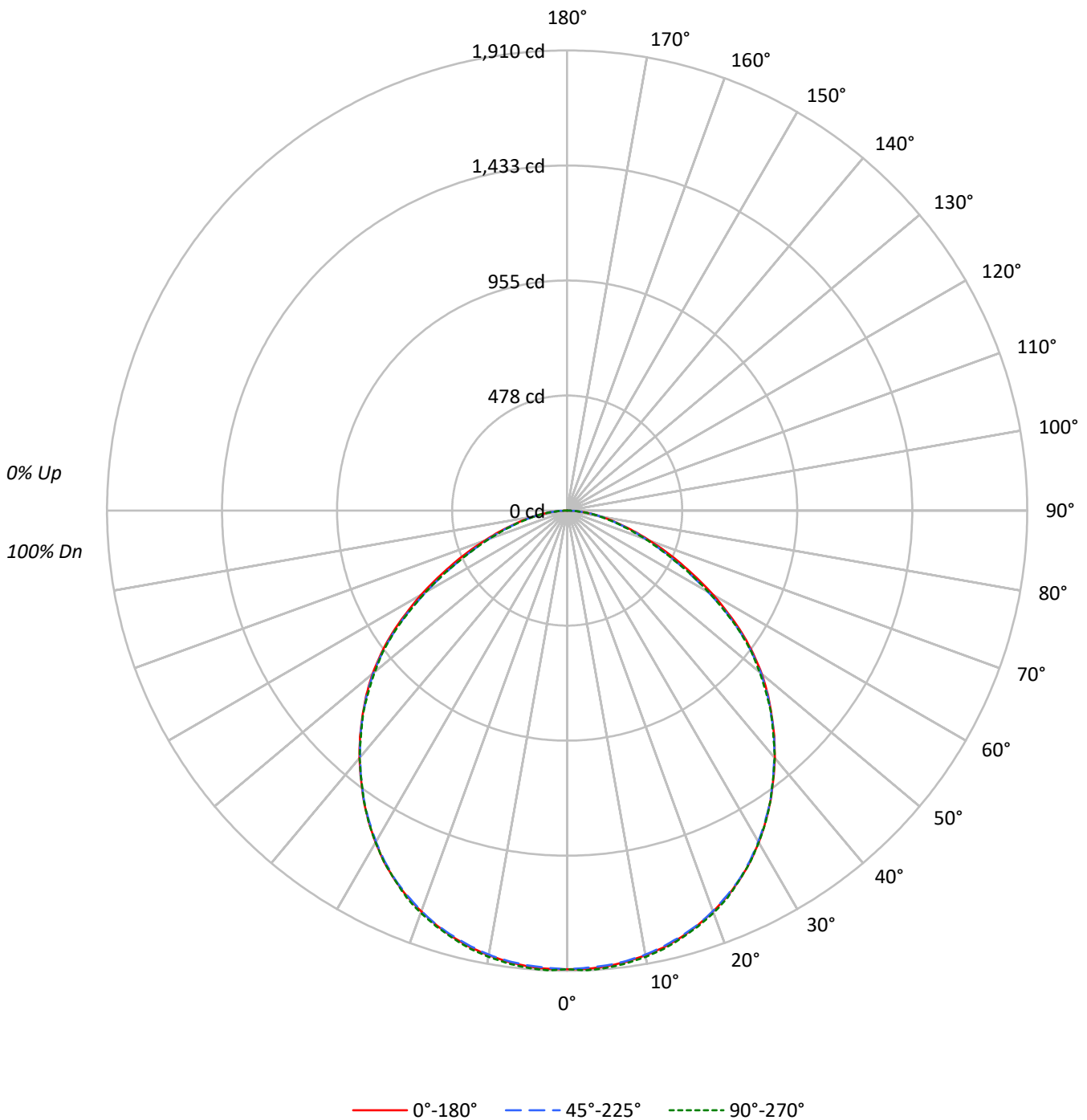
Lumens per Lamp: N/A  
Luminaire Lumens: 4920.0 lumens  
Efficiency: N/A  
Efficacy: 98.8 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34  
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')  
CIE Type: Direct

Input Watts (W): 49.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

TEST NUMBER: P737916

CATALOG NUMBER: 14PT-60-PP3-L935

### Luminous Intensity Polar Plot





TEST NUMBER: P737916

CATALOG NUMBER: 14PT-60-PP3-L935

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|--|-----|-----|-----|-----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |  | 20  |     |     |  | 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   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 | 100 |
| 1   | 109 | 105 | 101 | 97  | 107 | 103 | 99  | 96  | 99  | 96  | 93  |  | 95  | 92  | 90  |  | 91  | 89  | 87  | 85  |
| 2   | 100 | 92  | 86  | 80  | 97  | 90  | 84  | 79  | 87  | 82  | 78  |  | 84  | 79  | 76  |  | 81  | 77  | 74  | 72  |
| 3   | 92  | 81  | 74  | 67  | 89  | 80  | 73  | 67  | 77  | 71  | 66  |  | 74  | 69  | 65  |  | 72  | 67  | 63  | 61  |
| 4   | 84  | 73  | 64  | 58  | 82  | 71  | 63  | 57  | 69  | 62  | 56  |  | 66  | 60  | 56  |  | 64  | 59  | 55  | 53  |
| 5   | 77  | 65  | 56  | 50  | 75  | 64  | 56  | 50  | 62  | 55  | 49  |  | 60  | 54  | 49  |  | 58  | 52  | 48  | 46  |
| 6   | 72  | 59  | 50  | 44  | 70  | 58  | 50  | 44  | 56  | 49  | 43  |  | 54  | 48  | 43  |  | 53  | 47  | 42  | 40  |
| 7   | 66  | 53  | 45  | 39  | 65  | 52  | 44  | 39  | 51  | 44  | 38  |  | 50  | 43  | 38  |  | 48  | 42  | 38  | 36  |
| 8   | 62  | 49  | 40  | 35  | 60  | 48  | 40  | 35  | 47  | 39  | 34  |  | 45  | 39  | 34  |  | 44  | 38  | 34  | 32  |
| 9   | 58  | 45  | 37  | 31  | 57  | 44  | 36  | 31  | 43  | 36  | 31  |  | 42  | 35  | 31  |  | 41  | 35  | 31  | 29  |
| 10  | 54  | 41  | 34  | 28  | 53  | 41  | 33  | 28  | 40  | 33  | 28  |  | 39  | 33  | 28  |  | 38  | 32  | 28  | 26  |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 5709 | 5709 | 5709 |
| 5°  | 5714 | 5702 | 5733 |
| 10° | 5706 | 5698 | 5725 |
| 15° | 5687 | 5676 | 5702 |
| 20° | 5649 | 5645 | 5669 |
| 25° | 5599 | 5590 | 5597 |
| 30° | 5506 | 5494 | 5506 |
| 35° | 5386 | 5378 | 5383 |
| 40° | 5247 | 5231 | 5245 |
| 45° | 5090 | 5076 | 5082 |
| 50° | 4919 | 4897 | 4861 |
| 55° | 4632 | 4577 | 4563 |
| 60° | 4202 | 4061 | 4070 |
| 65° | 3692 | 3506 | 3501 |
| 70° | 3192 | 3048 | 3011 |
| 75° | 2762 | 2658 | 2602 |
| 80° | 2446 | 2410 | 2303 |
| 85° | 2019 | 2091 | 1975 |



TEST NUMBER: P737916

CATALOG NUMBER: 14PT-60-PP3-L935

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 180.6  | 3.7       |
| 10°-20°   | 517.3  | 10.5      |
| 20°-30°   | 778.9  | 15.8      |
| 30°-40°   | 919.3  | 18.7      |
| 40°-50°   | 924.5  | 18.8      |
| 50°-60°   | 780.5  | 15.9      |
| 60°-70°   | 501.3  | 10.2      |
| 70°-80°   | 249.3  | 5.1       |
| 80°-90°   | 68.3   | 1.4       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-30°    | 1476.8 | 30.0      |
| 0°-40°    | 2396.1 | 48.7      |
| 0°-60°    | 4101.1 | 83.4      |
| 0°-90°    | 4920.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4920.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1904 | 1904  | 1904 | 1904  | 1904 |      |
| 5°  | 1899 | 1899  | 1894 | 1904  | 1905 | 180  |
| 15° | 1832 | 1833  | 1829 | 1837  | 1837 | 517  |
| 25° | 1693 | 1693  | 1690 | 1693  | 1692 | 779  |
| 35° | 1472 | 1472  | 1469 | 1471  | 1471 | 920  |
| 45° | 1200 | 1205  | 1197 | 1198  | 1198 | 926  |
| 55° | 886  | 885   | 876  | 872   | 873  | 788  |
| 65° | 520  | 513   | 494  | 489   | 494  | 519  |
| 75° | 238  | 237   | 230  | 227   | 225  | 258  |
| 85° | 59   | 61    | 61   | 57    | 57   | 69   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |



TEST NUMBER: P737916

CATALOG NUMBER: 14PT-60-PP3-L935

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1904.1 | 1904.1 | 1904.1 | 1904.1 | 1904.1 |
| 2.5°  | 1903.5 | 1904.1 | 1899.3 | 1908.3 | 1909.7 |
| 5°    | 1898.6 | 1899.3 | 1894.5 | 1903.5 | 1904.8 |
| 7.5°  | 1888.9 | 1889.6 | 1885.5 | 1893.8 | 1895.2 |
| 10°   | 1874.4 | 1876.5 | 1871.7 | 1879.3 | 1880.6 |
| 12.5° | 1856.5 | 1857.1 | 1852.3 | 1861.3 | 1862.7 |
| 15°   | 1832.3 | 1833.0 | 1828.8 | 1837.1 | 1837.1 |
| 17.5° | 1804.6 | 1805.3 | 1802.5 | 1809.5 | 1808.8 |
| 20°   | 1770.7 | 1772.8 | 1769.4 | 1774.2 | 1777.0 |
| 22.5° | 1734.1 | 1734.8 | 1730.7 | 1736.9 | 1739.6 |
| 25°   | 1692.6 | 1693.3 | 1689.9 | 1693.3 | 1692.0 |
| 27.5° | 1644.3 | 1645.6 | 1640.8 | 1644.3 | 1645.0 |
| 30°   | 1590.4 | 1593.8 | 1586.9 | 1589.7 | 1590.4 |
| 32.5° | 1532.3 | 1534.4 | 1529.5 | 1530.2 | 1533.7 |
| 35°   | 1471.5 | 1472.2 | 1469.4 | 1470.8 | 1470.8 |
| 37.5° | 1405.8 | 1408.6 | 1404.4 | 1406.5 | 1403.7 |
| 40°   | 1340.8 | 1338.1 | 1336.7 | 1338.1 | 1340.2 |
| 42.5° | 1272.4 | 1273.1 | 1271.0 | 1269.7 | 1266.2 |
| 45°   | 1200.5 | 1204.7 | 1197.1 | 1198.5 | 1198.5 |
| 47.5° | 1130.0 | 1130.7 | 1126.6 | 1122.4 | 1119.7 |
| 50°   | 1054.7 | 1054.7 | 1049.9 | 1046.4 | 1042.3 |
| 52.5° | 972.5  | 971.1  | 965.5  | 962.1  | 964.2  |
| 55°   | 886.1  | 885.4  | 875.7  | 872.2  | 872.9  |
| 57.5° | 791.4  | 792.8  | 778.2  | 774.8  | 774.8  |
| 60°   | 700.8  | 693.9  | 677.3  | 672.5  | 678.7  |
| 62.5° | 606.1  | 597.9  | 579.9  | 579.9  | 584.7  |
| 65°   | 520.4  | 512.8  | 494.2  | 489.3  | 493.5  |
| 67.5° | 440.3  | 433.4  | 416.1  | 413.3  | 414.7  |
| 70°   | 364.2  | 358.0  | 347.7  | 341.4  | 343.5  |
| 72.5° | 298.6  | 293.1  | 286.1  | 281.3  | 278.5  |
| 75°   | 238.4  | 237.1  | 229.5  | 227.4  | 224.6  |
| 77.5° | 188.7  | 188.0  | 181.8  | 179.0  | 176.2  |
| 80°   | 141.7  | 141.0  | 139.6  | 135.5  | 133.4  |
| 82.5° | 100.9  | 100.9  | 100.2  | 96.8   | 94.7   |
| 85°   | 58.7   | 60.8   | 60.8   | 57.4   | 57.4   |
| 87.5° | 23.5   | 24.9   | 23.5   | 23.5   | 22.8   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)