

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1050117

Luminaire Tested: PTR-14-60-L840-UNV-STD-W

Issue Date: 7/11/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1050117  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: PTR-14-60-L840-UNV-STD-W  
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND FROSTED LENS  
  
Light Source:  
Ballast/Driver: -

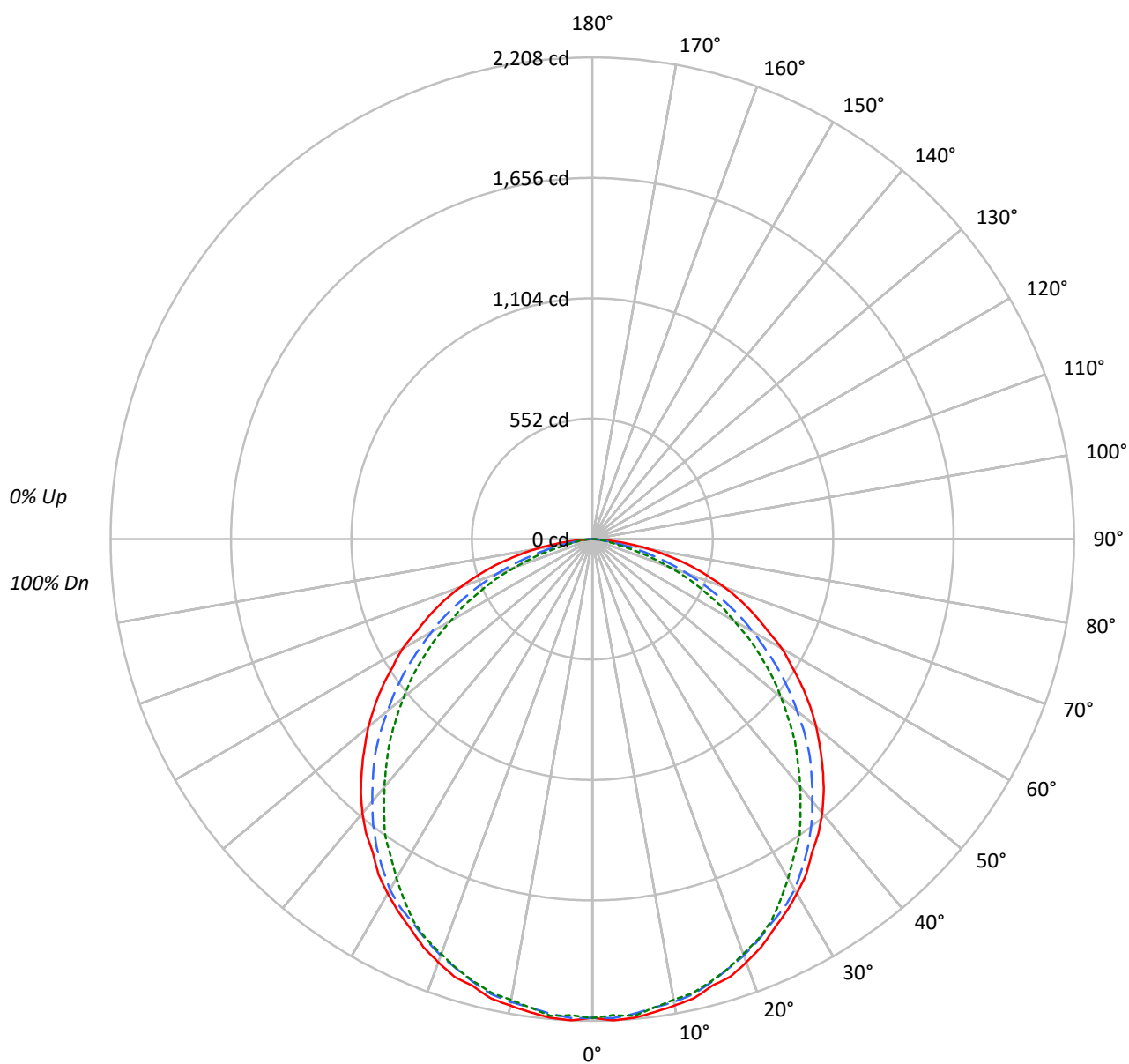
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5845.7 lumens  
Efficiency: N/A  
Efficacy: 117.4 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 49.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor:  
Total Harmonic Distortion (THDi):  
Frequency (hertz): 60  
Stabilization Time: HR  
Operation Time: HR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot



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

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF  | 20  |     |     |     | 20  |     |     |     |     | 20  |     |     |     |     | 20  |     |     |     |     | 20  |
| RC  | 80  |     |     |     | 70  |     |     |     |     | 50  |     |     |     |     | 30  |     |     |     |     | 10  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 109 | 105 | 101 | 97  | 107 | 103 | 99  | 96  | 98  | 95  | 93  | 95  | 92  | 90  | 91  | 89  | 87  | 87  | 87  | 85  |
| 2   | 100 | 92  | 85  | 80  | 97  | 90  | 84  | 79  | 87  | 81  | 77  | 83  | 79  | 75  | 80  | 77  | 74  | 74  | 74  | 72  |
| 3   | 91  | 81  | 73  | 67  | 89  | 79  | 72  | 66  | 76  | 70  | 65  | 74  | 68  | 64  | 71  | 67  | 63  | 63  | 63  | 61  |
| 4   | 84  | 72  | 63  | 57  | 81  | 71  | 63  | 56  | 68  | 61  | 56  | 66  | 60  | 55  | 64  | 58  | 54  | 54  | 54  | 52  |
| 5   | 77  | 64  | 56  | 49  | 75  | 63  | 55  | 49  | 61  | 54  | 48  | 59  | 53  | 48  | 57  | 52  | 47  | 47  | 47  | 45  |
| 6   | 71  | 58  | 49  | 43  | 69  | 57  | 49  | 43  | 55  | 48  | 42  | 54  | 47  | 42  | 52  | 46  | 42  | 42  | 42  | 40  |
| 7   | 66  | 53  | 44  | 38  | 64  | 52  | 44  | 38  | 50  | 43  | 38  | 49  | 42  | 37  | 48  | 42  | 37  | 37  | 37  | 35  |
| 8   | 61  | 48  | 40  | 34  | 60  | 47  | 39  | 34  | 46  | 39  | 34  | 45  | 38  | 33  | 44  | 38  | 33  | 33  | 33  | 31  |
| 9   | 57  | 44  | 36  | 31  | 56  | 44  | 36  | 30  | 42  | 35  | 30  | 41  | 35  | 30  | 40  | 34  | 30  | 30  | 30  | 28  |
| 10  | 54  | 41  | 33  | 28  | 53  | 40  | 33  | 28  | 39  | 32  | 28  | 38  | 32  | 27  | 37  | 32  | 27  | 27  | 27  | 26  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 5906 | 5906 | 5906 |
| 5°  | 5949 | 5900 | 5925 |
| 10° | 5933 | 5886 | 5861 |
| 15° | 5906 | 5859 | 5848 |
| 20° | 5910 | 5817 | 5794 |
| 25° | 5853 | 5767 | 5748 |
| 30° | 5828 | 5763 | 5576 |
| 35° | 5762 | 5659 | 5440 |
| 40° | 5758 | 5510 | 5207 |
| 45° | 5686 | 5367 | 4999 |
| 50° | 5609 | 5127 | 4728 |
| 55° | 5501 | 4888 | 4440 |
| 60° | 5402 | 4573 | 4031 |
| 65° | 5218 | 4195 | 3604 |
| 70° | 5050 | 3651 | 2941 |
| 75° | 4743 | 2881 | 2025 |
| 80° | 4111 | 1742 | 1215 |
| 85° | 2745 | 1250 | 1170 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5686 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 208.0  | 3.6       |
| 10°-20°   | 595.3  | 10.2      |
| 20°-30°   | 899.2  | 15.4      |
| 30°-40°   | 1069.1 | 18.3      |
| 40°-50°   | 1084.3 | 18.5      |
| 50°-60°   | 941.5  | 16.1      |
| 60°-70°   | 668.4  | 11.4      |
| 70°-80°   | 319.4  | 5.5       |
| 80°-90°   | 60.5   | 1.0       |
| 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°    | 1702.5 | 29.1      |
| 0°-40°    | 2771.6 | 47.4      |
| 0°-60°    | 4797.4 | 82.1      |
| 0°-90°    | 5845.7 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 5845.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2195 | 2195  | 2195 | 2195  | 2195 |      |
| 5°  | 2202 | 2195  | 2184 | 2189  | 2193 | 209  |
| 15° | 2120 | 2125  | 2103 | 2100  | 2099 | 601  |
| 25° | 1971 | 1968  | 1942 | 1950  | 1936 | 910  |
| 35° | 1754 | 1752  | 1723 | 1664  | 1656 | 1102 |
| 45° | 1494 | 1481  | 1410 | 1336  | 1314 | 1152 |
| 55° | 1172 | 1137  | 1042 | 980   | 946  | 1048 |
| 65° | 820  | 758   | 659  | 588   | 566  | 812  |
| 75° | 456  | 372   | 277  | 220   | 195  | 478  |
| 85° | 89   | 47    | 40   | 39    | 38   | 112  |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2194.6 | 2194.6 | 2194.6 | 2194.6 | 2194.6 |
| 2.5°  | 2207.7 | 2199.8 | 2197.2 | 2206.4 | 2184.2 |
| 5°    | 2202.4 | 2194.6 | 2184.2 | 2189.4 | 2193.3 |
| 7.5°  | 2186.8 | 2180.2 | 2165.9 | 2177.6 | 2165.9 |
| 10°   | 2171.1 | 2164.5 | 2154.1 | 2158.0 | 2144.9 |
| 12.5° | 2155.4 | 2139.7 | 2137.1 | 2139.7 | 2130.6 |
| 15°   | 2120.1 | 2125.3 | 2103.1 | 2100.5 | 2099.2 |
| 17.5° | 2103.1 | 2090.0 | 2066.5 | 2067.8 | 2065.2 |
| 20°   | 2063.9 | 2048.2 | 2031.2 | 2028.6 | 2023.4 |
| 22.5° | 2023.4 | 2005.1 | 1989.4 | 1997.2 | 1985.5 |
| 25°   | 1971.1 | 1968.5 | 1942.3 | 1950.2 | 1935.8 |
| 27.5° | 1925.3 | 1916.2 | 1904.4 | 1887.4 | 1866.5 |
| 30°   | 1875.7 | 1866.5 | 1854.8 | 1810.3 | 1794.6 |
| 32.5° | 1823.4 | 1812.9 | 1789.4 | 1737.1 | 1720.1 |
| 35°   | 1754.1 | 1751.5 | 1722.7 | 1663.9 | 1656.1 |
| 37.5° | 1701.8 | 1673.1 | 1649.5 | 1589.4 | 1567.2 |
| 40°   | 1639.1 | 1623.4 | 1568.5 | 1511.0 | 1482.2 |
| 42.5° | 1569.8 | 1551.5 | 1488.8 | 1427.3 | 1396.0 |
| 45°   | 1494.0 | 1480.9 | 1410.4 | 1335.8 | 1313.6 |
| 47.5° | 1415.6 | 1403.8 | 1320.2 | 1248.3 | 1219.5 |
| 50°   | 1339.8 | 1325.4 | 1224.7 | 1155.5 | 1129.3 |
| 52.5° | 1257.4 | 1233.9 | 1134.6 | 1066.6 | 1041.8 |
| 55°   | 1172.5 | 1137.2 | 1041.8 | 980.3  | 946.3  |
| 57.5° | 1082.3 | 1049.6 | 943.7  | 879.7  | 852.2  |
| 60°   | 1003.8 | 958.1  | 849.6  | 784.3  | 749.0  |
| 62.5° | 903.2  | 864.0  | 760.7  | 683.6  | 666.6  |
| 65°   | 819.5  | 758.1  | 658.8  | 588.2  | 566.0  |
| 67.5° | 734.6  | 662.7  | 562.0  | 490.2  | 478.4  |
| 70°   | 641.8  | 567.3  | 464.0  | 393.4  | 373.8  |
| 72.5° | 547.7  | 474.5  | 373.8  | 299.3  | 287.6  |
| 75°   | 456.2  | 372.5  | 277.1  | 219.6  | 194.8  |
| 77.5° | 356.8  | 281.0  | 194.8  | 134.6  | 118.9  |
| 80°   | 265.3  | 189.5  | 112.4  | 79.7   | 78.4   |
| 82.5° | 173.8  | 109.8  | 60.1   | 61.4   | 58.8   |
| 85°   | 88.9   | 47.1   | 40.5   | 39.2   | 37.9   |
| 87.5° | 17.0   | 18.3   | 19.6   | 19.6   | 19.6   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |







— 0°-180°    - - 45°-225°    ..... 90°-270°





(END OF REPORT)