

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: P1471845

Luminaire Tested: 24PTR-65S-PL1-L835-UNV-STD-B

Issue Date: 6/22/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1471845  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/22/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: 24PTR-65S-PL1-L835-UNV-STD-B  
Description: 6500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PL1 Lens Black Recess  
Frame  
Light Source: -  
Ballast/Driver: -

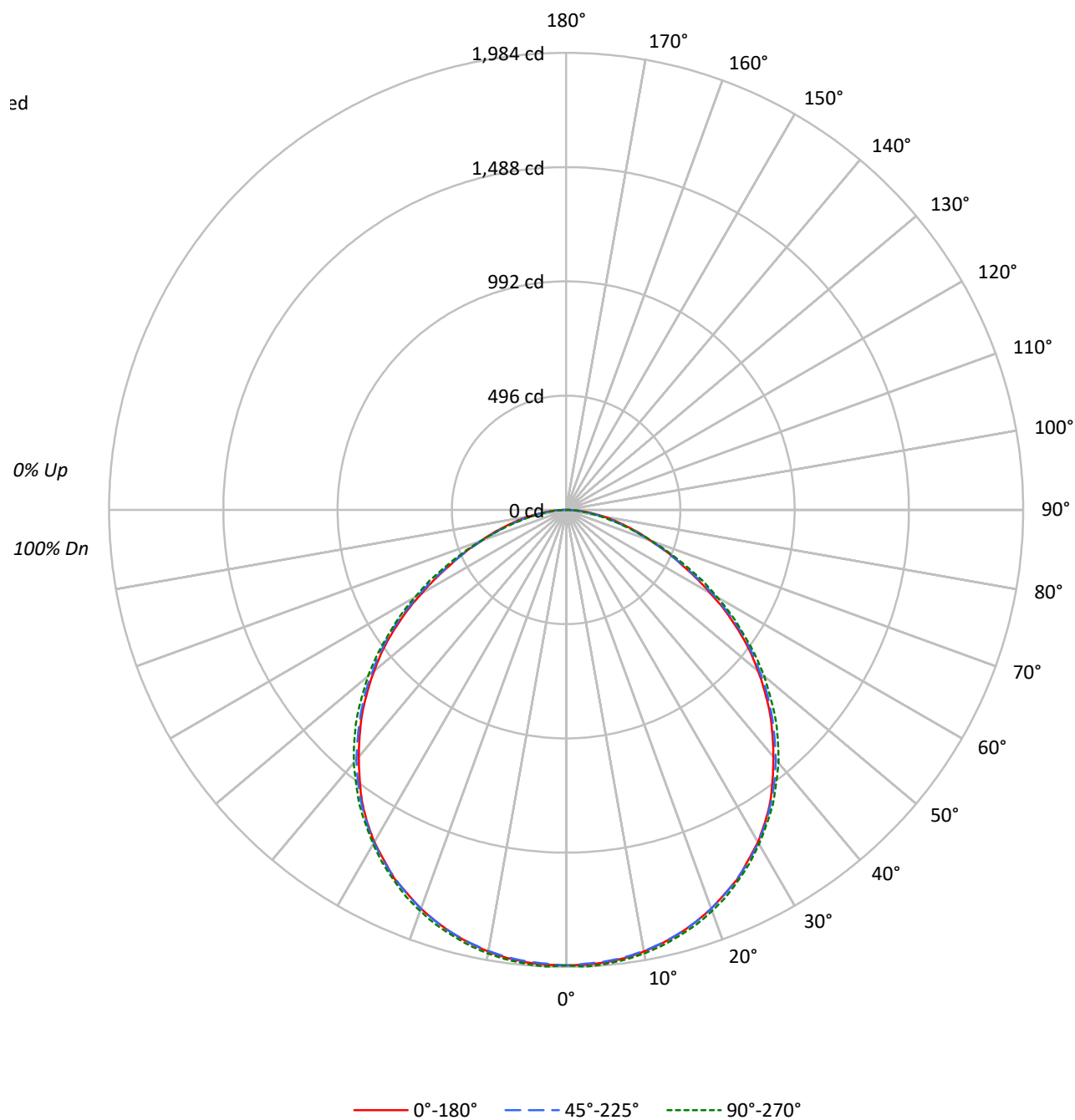
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5212.3 lumens  
Efficiency: N/A  
Efficacy: 97.6 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 53.4  
Input Voltage (V): 120  
Input Current (Ain): 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: 24 FT

TEST NUMBER: P1471845

CATALOG NUMBER: 24PTR-65S-PL1-L835-UNV-STD-B

### Luminous Intensity Polar Plot



TEST NUMBER: P1471845

CATALOG NUMBER: 24PTR-65S-PL1-L835-UNV-STD-B

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

|     |     |     |     |     |     |     |     |     |  |     |     |     |  |  |     |     |     |  |  |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|--|--|-----|-----|-----|--|--|-----|
| RF  | 20  |     |     |     | 20  |     |     |     |  | 20  |     |     |  |  | 20  |     |     |  |  | 20  |
| RC  | 80  |     |     |     | 70  |     |     |     |  | 50  |     |     |  |  | 30  |     |     |  |  | 0   |
| RW  | 70  | 50  | 30  | 10  | 70  | 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 |
| 1   | 109 | 105 | 101 | 97  | 107 | 103 | 99  | 96  |  | 98  | 95  | 93  |  |  | 94  | 92  | 90  |  |  | 91  |
| 2   | 100 | 92  | 86  | 80  | 97  | 90  | 84  | 79  |  | 87  | 82  | 77  |  |  | 83  | 79  | 75  |  |  | 80  |
| 3   | 91  | 81  | 73  | 67  | 89  | 80  | 72  | 66  |  | 77  | 70  | 65  |  |  | 74  | 69  | 64  |  |  | 71  |
| 4   | 84  | 72  | 64  | 57  | 82  | 71  | 63  | 57  |  | 68  | 61  | 56  |  |  | 66  | 60  | 55  |  |  | 64  |
| 5   | 77  | 65  | 56  | 49  | 75  | 64  | 55  | 49  |  | 61  | 54  | 49  |  |  | 60  | 53  | 48  |  |  | 58  |
| 6   | 71  | 58  | 50  | 43  | 69  | 57  | 49  | 43  |  | 56  | 48  | 43  |  |  | 54  | 47  | 42  |  |  | 52  |
| 7   | 66  | 53  | 44  | 38  | 65  | 52  | 44  | 38  |  | 51  | 43  | 38  |  |  | 49  | 43  | 38  |  |  | 48  |
| 8   | 62  | 48  | 40  | 34  | 60  | 48  | 40  | 34  |  | 46  | 39  | 34  |  |  | 45  | 39  | 34  |  |  | 44  |
| 9   | 58  | 44  | 36  | 31  | 56  | 44  | 36  | 31  |  | 43  | 36  | 31  |  |  | 42  | 35  | 30  |  |  | 41  |
| 10  | 54  | 41  | 33  | 28  | 53  | 41  | 33  | 28  |  | 40  | 33  | 28  |  |  | 39  | 32  | 28  |  |  | 38  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 2661 | 2661 | 2661 |
| 5°  | 2663 | 2658 | 2672 |
| 10° | 2659 | 2657 | 2671 |
| 15° | 2651 | 2650 | 2664 |
| 20° | 2638 | 2638 | 2653 |
| 25° | 2620 | 2617 | 2631 |
| 30° | 2587 | 2591 | 2603 |
| 35° | 2538 | 2547 | 2568 |
| 40° | 2459 | 2487 | 2519 |
| 45° | 2382 | 2402 | 2448 |
| 50° | 2277 | 2302 | 2348 |
| 55° | 2145 | 2179 | 2205 |
| 60° | 1946 | 1987 | 2037 |
| 65° | 1728 | 1747 | 1817 |
| 70° | 1545 | 1513 | 1551 |
| 75° | 1394 | 1313 | 1287 |
| 80° | 1267 | 1175 | 1044 |
| 85° | 1073 | 974  | 838  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2448 cd/sqm

TEST NUMBER: P1471845

CATALOG NUMBER: 24PTR-65S-PL1-L835-UNV-STD-B

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 187.6  | 3.6       |
| 10°-20°   | 538.0  | 10.3      |
| 20°-30°   | 813.7  | 15.6      |
| 30°-40°   | 970.0  | 18.6      |
| 40°-50°   | 975.3  | 18.7      |
| 50°-60°   | 827.8  | 15.9      |
| 60°-70°   | 551.1  | 10.6      |
| 70°-80°   | 275.2  | 5.3       |
| 80°-90°   | 73.6   | 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°    | 1539.3 | 29.5      |
| 0°-40°    | 2509.2 | 48.1      |
| 0°-60°    | 4312.3 | 82.7      |
| 0°-90°    | 5212.3 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 5212.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1977 | 1977  | 1977 | 1977  | 1977 |      |
| 5°  | 1972 | 1972  | 1968 | 1977  | 1979 | 187  |
| 15° | 1903 | 1906  | 1903 | 1911  | 1912 | 537  |
| 25° | 1765 | 1765  | 1762 | 1771  | 1772 | 811  |
| 35° | 1545 | 1547  | 1551 | 1562  | 1563 | 964  |
| 45° | 1252 | 1254  | 1262 | 1279  | 1287 | 963  |
| 55° | 914  | 921   | 929  | 938   | 940  | 815  |
| 65° | 543  | 547   | 549  | 557   | 571  | 544  |
| 75° | 268  | 264   | 253  | 247   | 248  | 288  |
| 85° | 70   | 68    | 63   | 59    | 54   | 80   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

TEST NUMBER: P1471845

CATALOG NUMBER: 24PTR-65S-PL1-L835-UNV-STD-B

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1977.4 | 1977.4 | 1977.4 | 1977.4 | 1977.4 |
| 2.5°  | 1975.8 | 1977.4 | 1972.0 | 1981.6 | 1984.0 |
| 5°    | 1971.5 | 1972.0 | 1967.8 | 1976.6 | 1978.7 |
| 7.5°  | 1961.9 | 1962.7 | 1958.2 | 1967.8 | 1969.1 |
| 10°   | 1946.5 | 1948.1 | 1944.4 | 1953.1 | 1955.3 |
| 12.5° | 1926.8 | 1928.9 | 1925.2 | 1934.8 | 1936.4 |
| 15°   | 1903.4 | 1905.5 | 1902.6 | 1910.6 | 1912.2 |
| 17.5° | 1874.6 | 1876.2 | 1874.6 | 1882.1 | 1886.3 |
| 20°   | 1842.4 | 1842.4 | 1842.4 | 1849.1 | 1852.8 |
| 22.5° | 1802.2 | 1805.9 | 1804.3 | 1813.1 | 1816.9 |
| 25°   | 1764.9 | 1764.9 | 1762.5 | 1770.8 | 1772.1 |
| 27.5° | 1712.8 | 1718.6 | 1718.1 | 1725.3 | 1726.9 |
| 30°   | 1665.1 | 1666.7 | 1667.5 | 1672.6 | 1675.5 |
| 32.5° | 1607.3 | 1608.7 | 1611.1 | 1618.3 | 1619.1 |
| 35°   | 1545.1 | 1546.7 | 1550.9 | 1561.8 | 1563.4 |
| 37.5° | 1472.6 | 1480.6 | 1484.4 | 1496.1 | 1497.4 |
| 40°   | 1400.0 | 1405.0 | 1416.2 | 1428.5 | 1434.3 |
| 42.5° | 1326.0 | 1331.8 | 1338.5 | 1355.3 | 1360.6 |
| 45°   | 1252.0 | 1254.1 | 1262.3 | 1279.1 | 1286.6 |
| 47.5° | 1170.0 | 1176.6 | 1183.8 | 1198.5 | 1203.0 |
| 50°   | 1088.0 | 1095.2 | 1099.7 | 1112.7 | 1121.5 |
| 52.5° | 1005.2 | 1011.8 | 1016.9 | 1024.9 | 1033.7 |
| 55°   | 914.4  | 920.8  | 929.1  | 937.8  | 940.0  |
| 57.5° | 822.0  | 829.2  | 834.6  | 843.9  | 853.5  |
| 60°   | 723.0  | 731.3  | 738.5  | 747.2  | 756.8  |
| 62.5° | 630.9  | 634.4  | 641.8  | 656.5  | 670.3  |
| 65°   | 542.8  | 547.3  | 548.6  | 556.9  | 570.7  |
| 67.5° | 469.6  | 469.6  | 462.9  | 465.9  | 481.3  |
| 70°   | 392.7  | 389.7  | 384.7  | 381.7  | 394.3  |
| 72.5° | 330.4  | 326.6  | 315.7  | 310.7  | 317.3  |
| 75°   | 268.1  | 264.3  | 252.6  | 246.8  | 247.6  |
| 77.5° | 215.4  | 209.5  | 199.9  | 189.8  | 187.7  |
| 80°   | 163.5  | 161.1  | 151.7  | 142.2  | 134.7  |
| 82.5° | 115.8  | 110.7  | 105.4  | 99.6   | 93.7   |
| 85°   | 69.5   | 68.1   | 63.1   | 59.4   | 54.3   |
| 87.5° | 28.5   | 28.5   | 27.2   | 25.6   | 24.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

TEST NUMBER: P1471845

CATALOG NUMBER: 24PTR-65S-PL1-L835-UNV-STD-B

**CIE UGR TABLE:**

| Reflectances:   |      |                  |      |      |      |      |                |      |      |      |      |
|-----------------|------|------------------|------|------|------|------|----------------|------|------|------|------|
| Ceiling         |      | 0.7              | 0.7  | 0.5  | 0.5  | 0.3  | 0.7            | 0.7  | 0.5  | 0.5  | 0.3  |
| Wall            |      | 0.5              | 0.3  | 0.5  | 0.3  | 0.3  | 0.5            | 0.3  | 0.5  | 0.3  | 0.3  |
| Reference plane |      | 0.2              | 0.2  | 0.2  | 0.2  | 0.2  | 0.2            | 0.2  | 0.2  | 0.2  | 0.2  |
| Room Dimensions |      | Viewed crosswise |      |      |      |      | Viewed endwise |      |      |      |      |
| X=2H            | Y=2H | 14.6             | 16.2 | 15.0 | 16.5 | 16.8 | 14.8           | 16.3 | 15.1 | 16.7 | 17.0 |
|                 | 3H   | 16.0             | 17.4 | 16.4 | 17.7 | 18.1 | 16.1           | 17.5 | 16.5 | 17.8 | 18.2 |
|                 | 4H   | 16.5             | 17.8 | 16.9 | 18.2 | 18.6 | 16.5           | 17.9 | 16.9 | 18.2 | 18.6 |
|                 | 6H   | 16.9             | 18.1 | 17.3 | 18.5 | 18.9 | 16.8           | 18.0 | 17.2 | 18.4 | 18.8 |
|                 | 8H   | 17.0             | 18.2 | 17.4 | 18.6 | 19.0 | 16.9           | 18.1 | 17.3 | 18.4 | 18.8 |
|                 | 12H  | 17.1             | 18.2 | 17.5 | 18.6 | 19.0 | 16.9           | 18.1 | 17.3 | 18.4 | 18.9 |
| 4H              | 2H   | 15.1             | 16.4 | 15.5 | 16.8 | 17.2 | 15.2           | 16.6 | 15.6 | 16.9 | 17.3 |
|                 | 3H   | 16.7             | 17.8 | 17.1 | 18.2 | 18.6 | 16.7           | 17.9 | 17.2 | 18.3 | 18.7 |
|                 | 4H   | 17.3             | 18.3 | 17.7 | 18.7 | 19.2 | 17.3           | 18.3 | 17.7 | 18.7 | 19.1 |
|                 | 6H   | 17.8             | 18.7 | 18.3 | 19.1 | 19.6 | 17.7           | 18.5 | 18.1 | 19.0 | 19.4 |
|                 | 8H   | 18.0             | 18.8 | 18.5 | 19.3 | 19.7 | 17.8           | 18.6 | 18.2 | 19.1 | 19.5 |
|                 | 12H  | 18.1             | 18.9 | 18.6 | 19.3 | 19.8 | 17.9           | 18.6 | 18.3 | 19.1 | 19.6 |
| 8H              | 4H   | 17.5             | 18.3 | 18.0 | 18.8 | 19.2 | 17.5           | 18.3 | 18.0 | 18.8 | 19.2 |
|                 | 6H   | 18.1             | 18.8 | 18.6 | 19.3 | 19.8 | 18.0           | 18.7 | 18.5 | 19.2 | 19.6 |
|                 | 8H   | 18.4             | 19.0 | 18.9 | 19.5 | 20.0 | 18.2           | 18.8 | 18.7 | 19.3 | 19.8 |
|                 | 12H  | 18.6             | 19.1 | 19.1 | 19.6 | 20.2 | 18.3           | 18.8 | 18.8 | 19.3 | 19.9 |
| 12H             | 4H   | 17.5             | 18.3 | 18.0 | 18.7 | 19.2 | 17.5           | 18.3 | 18.0 | 18.7 | 19.2 |
|                 | 6H   | 18.2             | 18.8 | 18.7 | 19.3 | 19.8 | 18.0           | 18.6 | 18.5 | 19.1 | 19.6 |
|                 | 8H   | 18.5             | 19.0 | 19.0 | 19.5 | 20.0 | 18.2           | 18.8 | 18.8 | 19.3 | 19.8 |













(END OF REPORT)