

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: P1046686

Luminaire Tested: 22PTR-60-L835-UNV-STD-W

Issue Date: 7/10/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1046686  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/10/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: 22PTR-60-L835-UNV-STD-W  
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND FROSTED LENS  
  
Light Source:  
Ballast/Driver: -

**Summary**

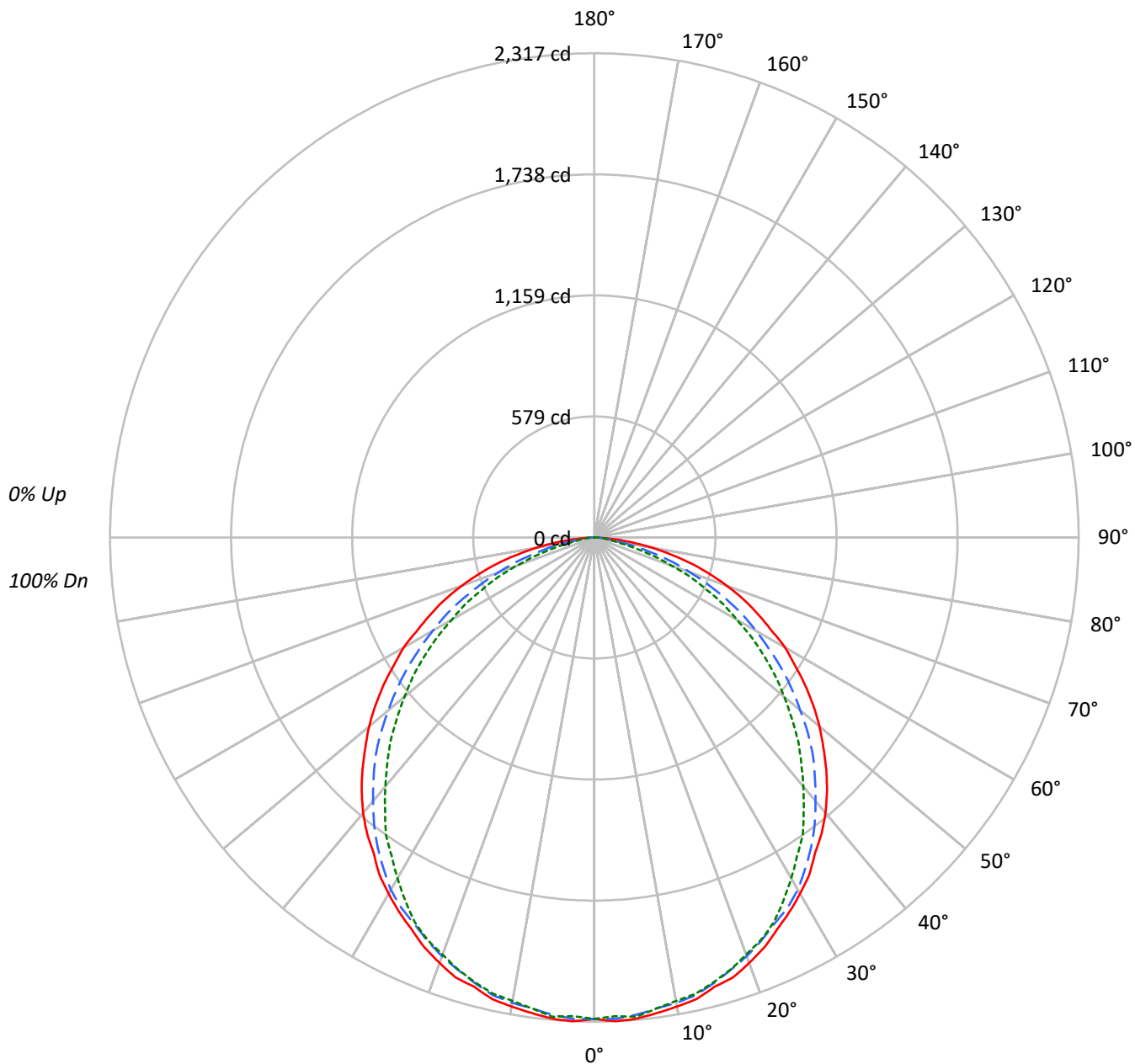
Lumens per Lamp: N/A  
Luminaire Lumens: 6136.2 lumens  
Efficiency: N/A  
Efficacy: 118.0 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35  
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '  
CIE Type: Direct

Input Watts (W): 52  
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

TEST NUMBER: P1046686

CATALOG NUMBER: 22PTR-60-L835-UNV-STD-W

### Luminous Intensity Polar Plot



TEST NUMBER: P1046686

CATALOG NUMBER: 22PTR-60-L835-UNV-STD-W

**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  |
| 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  |  | 95  | 92  | 90  |  | 91  |
| 2   | 100 | 92  | 85  | 80  | 97  | 90  | 84  | 79  | 87  | 81  | 77  |  | 83  | 79  | 75  |  | 80  |
| 3   | 91  | 81  | 73  | 67  | 89  | 79  | 72  | 66  | 76  | 70  | 65  |  | 74  | 68  | 64  |  | 71  |
| 4   | 84  | 72  | 63  | 57  | 81  | 71  | 63  | 56  | 68  | 61  | 56  |  | 66  | 60  | 55  |  | 64  |
| 5   | 77  | 64  | 56  | 49  | 75  | 63  | 55  | 49  | 61  | 54  | 48  |  | 59  | 53  | 48  |  | 57  |
| 6   | 71  | 58  | 49  | 43  | 69  | 57  | 49  | 43  | 55  | 48  | 42  |  | 54  | 47  | 42  |  | 52  |
| 7   | 66  | 53  | 44  | 38  | 64  | 52  | 44  | 38  | 50  | 43  | 38  |  | 49  | 42  | 37  |  | 48  |
| 8   | 61  | 48  | 40  | 34  | 60  | 47  | 39  | 34  | 46  | 39  | 34  |  | 45  | 38  | 33  |  | 44  |
| 9   | 57  | 44  | 36  | 31  | 56  | 44  | 36  | 30  | 42  | 35  | 30  |  | 41  | 35  | 30  |  | 40  |
| 10  | 54  | 41  | 33  | 28  | 53  | 40  | 33  | 28  | 39  | 32  | 28  |  | 38  | 32  | 27  |  | 37  |

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

|     | 0°                                                                                                             | 45° | 90° |
|-----|----------------------------------------------------------------------------------------------------------------|-----|-----|
| 0°  | Luminous shape not found,<br>reference photometric report, or contact<br>the photometric lab for calculations. |     |     |
| 5°  |                                                                                                                |     |     |
| 10° |                                                                                                                |     |     |
| 15° |                                                                                                                |     |     |
| 20° |                                                                                                                |     |     |
| 25° |                                                                                                                |     |     |
| 30° |                                                                                                                |     |     |
| 35° |                                                                                                                |     |     |
| 40° |                                                                                                                |     |     |
| 45° |                                                                                                                |     |     |
| 50° |                                                                                                                |     |     |
| 55° |                                                                                                                |     |     |
| 60° |                                                                                                                |     |     |
| 65° |                                                                                                                |     |     |
| 70° |                                                                                                                |     |     |
| 75° |                                                                                                                |     |     |
| 80° |                                                                                                                |     |     |
| 85° |                                                                                                                |     |     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: -  
Vertical Angle: -  
Luminance: -

TEST NUMBER: P1046686

CATALOG NUMBER: 22PTR-60-L835-UNV-STD-W

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 218.4  | 3.6       |
| 10°-20°   | 624.9  | 10.2      |
| 20°-30°   | 943.9  | 15.4      |
| 30°-40°   | 1122.2 | 18.3      |
| 40°-50°   | 1138.2 | 18.5      |
| 50°-60°   | 988.3  | 16.1      |
| 60°-70°   | 701.6  | 11.4      |
| 70°-80°   | 335.3  | 5.5       |
| 80°-90°   | 63.5   | 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°    | 1787.1 | 29.1      |
| 0°-40°    | 2909.3 | 47.4      |
| 0°-60°    | 5035.8 | 82.1      |
| 0°-90°    | 6136.2 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 6136.2 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2304 | 2304  | 2304 | 2304  | 2304 |      |
| 5°  | 2312 | 2304  | 2293 | 2298  | 2302 | 219  |
| 15° | 2226 | 2231  | 2208 | 2205  | 2204 | 630  |
| 25° | 2069 | 2066  | 2039 | 2047  | 2032 | 956  |
| 35° | 1841 | 1839  | 1808 | 1747  | 1738 | 1157 |
| 45° | 1568 | 1554  | 1480 | 1402  | 1379 | 1210 |
| 55° | 1231 | 1194  | 1094 | 1029  | 993  | 1100 |
| 65° | 860  | 796   | 692  | 617   | 594  | 852  |
| 75° | 479  | 391   | 291  | 230   | 204  | 502  |
| 85° | 93   | 49    | 42   | 41    | 40   | 118  |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

TEST NUMBER: P1046686

CATALOG NUMBER: 22PTR-60-L835-UNV-STD-W

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2303.7 | 2303.7 | 2303.7 | 2303.7 | 2303.7 |
| 2.5°  | 2317.4 | 2309.2 | 2306.4 | 2316.0 | 2292.7 |
| 5°    | 2311.9 | 2303.7 | 2292.7 | 2298.2 | 2302.3 |
| 7.5°  | 2295.5 | 2288.6 | 2273.5 | 2285.8 | 2273.5 |
| 10°   | 2279.0 | 2272.1 | 2261.2 | 2265.3 | 2251.5 |
| 12.5° | 2262.5 | 2246.1 | 2243.3 | 2246.1 | 2236.5 |
| 15°   | 2225.5 | 2231.0 | 2207.6 | 2204.9 | 2203.5 |
| 17.5° | 2207.6 | 2193.9 | 2169.2 | 2170.6 | 2167.9 |
| 20°   | 2166.5 | 2150.0 | 2132.2 | 2129.4 | 2123.9 |
| 22.5° | 2123.9 | 2104.7 | 2088.3 | 2096.5 | 2084.2 |
| 25°   | 2069.1 | 2066.3 | 2038.9 | 2047.1 | 2032.0 |
| 27.5° | 2021.0 | 2011.4 | 1999.1 | 1981.3 | 1959.3 |
| 30°   | 1968.9 | 1959.3 | 1947.0 | 1900.3 | 1883.8 |
| 32.5° | 1914.0 | 1903.0 | 1878.3 | 1823.5 | 1805.6 |
| 35°   | 1841.3 | 1838.6 | 1808.4 | 1746.6 | 1738.4 |
| 37.5° | 1786.4 | 1756.2 | 1731.5 | 1668.4 | 1645.1 |
| 40°   | 1720.6 | 1704.1 | 1646.5 | 1586.1 | 1555.9 |
| 42.5° | 1647.8 | 1628.6 | 1562.8 | 1498.3 | 1465.4 |
| 45°   | 1568.3 | 1554.5 | 1480.5 | 1402.2 | 1378.9 |
| 47.5° | 1485.9 | 1473.6 | 1385.8 | 1310.3 | 1280.1 |
| 50°   | 1406.4 | 1391.3 | 1285.6 | 1212.9 | 1185.5 |
| 52.5° | 1319.9 | 1295.2 | 1190.9 | 1119.6 | 1093.5 |
| 55°   | 1230.7 | 1193.7 | 1093.5 | 1029.0 | 993.4  |
| 57.5° | 1136.1 | 1101.8 | 990.6  | 923.4  | 894.6  |
| 60°   | 1053.7 | 1005.7 | 891.8  | 823.2  | 786.2  |
| 62.5° | 948.1  | 906.9  | 798.5  | 717.6  | 699.7  |
| 65°   | 860.3  | 795.8  | 691.5  | 617.4  | 594.1  |
| 67.5° | 771.1  | 695.6  | 590.0  | 514.5  | 502.2  |
| 70°   | 673.7  | 595.5  | 487.1  | 413.0  | 392.4  |
| 72.5° | 574.9  | 498.1  | 392.4  | 314.2  | 301.9  |
| 75°   | 478.8  | 391.0  | 290.9  | 230.5  | 204.4  |
| 77.5° | 374.6  | 295.0  | 204.4  | 141.3  | 124.9  |
| 80°   | 278.5  | 198.9  | 118.0  | 83.7   | 82.3   |
| 82.5° | 182.5  | 115.3  | 63.1   | 64.5   | 61.7   |
| 85°   | 93.3   | 49.4   | 42.5   | 41.2   | 39.8   |
| 87.5° | 17.8   | 19.2   | 20.6   | 20.6   | 20.6   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |







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





(END OF REPORT)