

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: P1046854

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

Issue Date: 7/10/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1046854  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/10/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: 22PTR-60-PLG-L835-UNV-STD-W  
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LOW GLARE LENS  
  
Light Source:  
Ballast/Driver: -

**Summary**

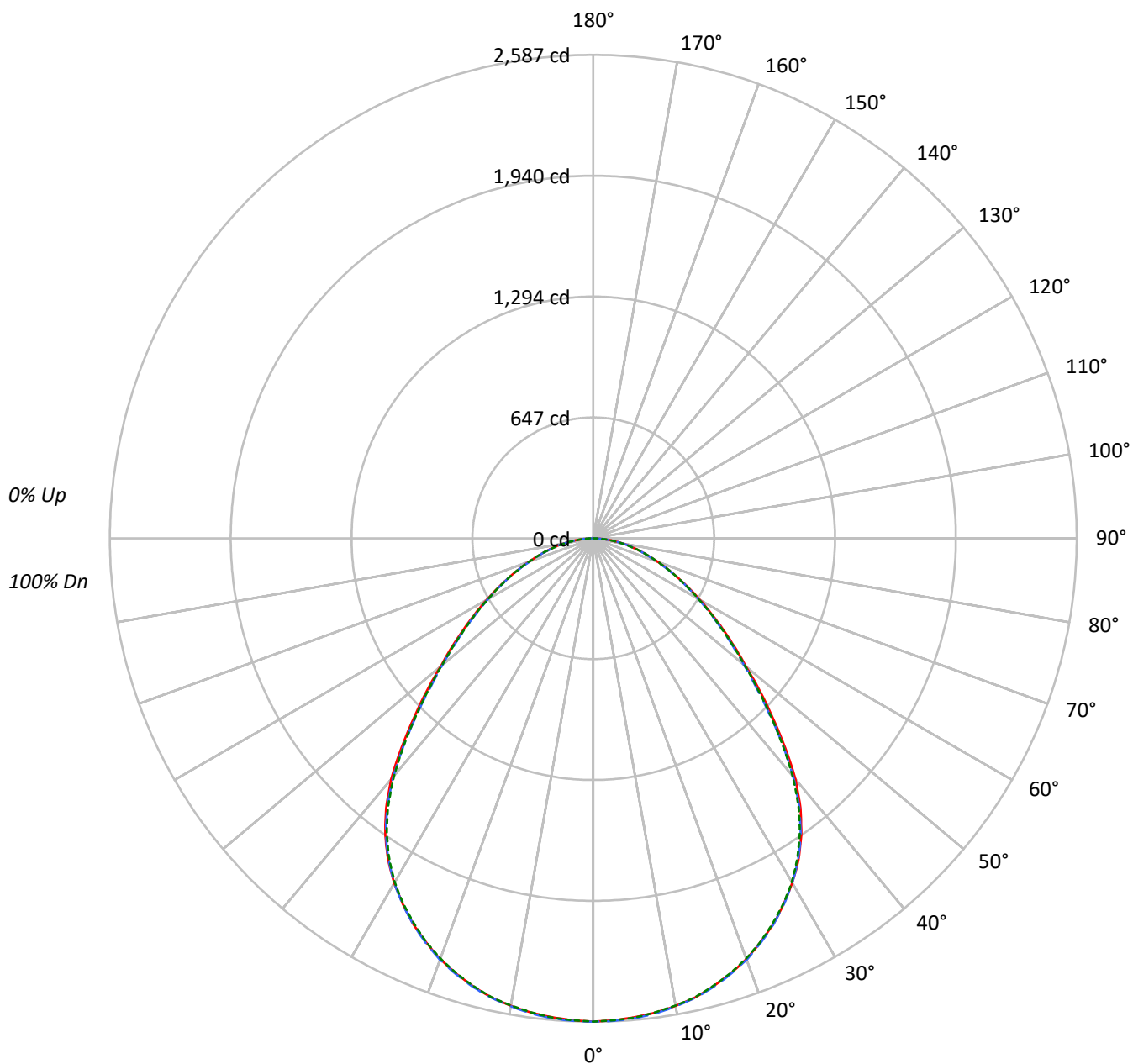
Lumens per Lamp: N/A  
Luminaire Lumens: 5829.4 lumens  
Efficiency: N/A  
Efficacy: 112.1 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26  
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '  
CIE Type: Direct

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: P1046854

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

### Luminous Intensity Polar Plot



TEST NUMBER: P1046854

CATALOG NUMBER: 22PTR-60-PLG-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   | 110 | 106 | 102 | 98  | 107 | 103 | 100 | 97  |  | 99  | 96  | 94  |  |  | 95  | 93  | 91  |  |  | 92  |
| 2   | 101 | 94  | 87  | 82  | 99  | 92  | 86  | 81  |  | 88  | 84  | 79  |  |  | 85  | 81  | 78  |  |  | 82  |
| 3   | 93  | 83  | 76  | 70  | 91  | 82  | 75  | 69  |  | 79  | 73  | 68  |  |  | 76  | 71  | 67  |  |  | 74  |
| 4   | 86  | 75  | 67  | 60  | 84  | 73  | 66  | 60  |  | 71  | 64  | 59  |  |  | 69  | 63  | 58  |  |  | 67  |
| 5   | 79  | 67  | 59  | 53  | 77  | 66  | 58  | 53  |  | 64  | 57  | 52  |  |  | 62  | 56  | 51  |  |  | 61  |
| 6   | 74  | 61  | 53  | 47  | 72  | 60  | 52  | 47  |  | 58  | 51  | 46  |  |  | 57  | 51  | 46  |  |  | 55  |
| 7   | 69  | 56  | 48  | 42  | 67  | 55  | 47  | 42  |  | 54  | 46  | 41  |  |  | 52  | 46  | 41  |  |  | 51  |
| 8   | 64  | 51  | 43  | 38  | 62  | 51  | 43  | 38  |  | 49  | 42  | 37  |  |  | 48  | 42  | 37  |  |  | 47  |
| 9   | 60  | 47  | 39  | 34  | 59  | 47  | 39  | 34  |  | 46  | 39  | 34  |  |  | 44  | 38  | 34  |  |  | 43  |
| 10  | 56  | 44  | 36  | 31  | 55  | 43  | 36  | 31  |  | 42  | 36  | 31  |  |  | 41  | 35  | 31  |  |  | 40  |

**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: P1046854

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

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 244.9  | 4.2       |
| 10°-20°   | 700.9  | 12.0      |
| 20°-30°   | 1048.7 | 18.0      |
| 30°-40°   | 1201.5 | 20.6      |
| 40°-50°   | 1039.1 | 17.8      |
| 50°-60°   | 752.1  | 12.9      |
| 60°-70°   | 495.3  | 8.5       |
| 70°-80°   | 269.6  | 4.6       |
| 80°-90°   | 77.3   | 1.3       |
| 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°    | 1994.5 | 34.2      |
| 0°-40°    | 3196.0 | 54.8      |
| 0°-60°    | 4987.2 | 85.6      |
| 0°-90°    | 5829.4 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 5829.4 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2587 | 2587  | 2587 | 2587  | 2587 |      |
| 5°  | 2572 | 2578  | 2578 | 2578  | 2574 | 245  |
| 15° | 2482 | 2484  | 2486 | 2490  | 2481 | 700  |
| 25° | 2279 | 2279  | 2280 | 2282  | 2273 | 1048 |
| 35° | 1941 | 1939  | 1935 | 1933  | 1926 | 1206 |
| 45° | 1357 | 1353  | 1335 | 1333  | 1340 | 1051 |
| 55° | 845  | 841   | 832  | 826   | 834  | 760  |
| 65° | 499  | 503   | 496  | 492   | 498  | 499  |
| 75° | 255  | 255   | 252  | 252   | 255  | 272  |
| 85° | 68   | 68    | 68   | 70    | 61   | 79   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

TEST NUMBER: P1046854

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

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2587.1 | 2587.1 | 2587.1 | 2587.1 | 2587.1 |
| 2.5°  | 2581.6 | 2587.1 | 2585.2 | 2587.1 | 2581.6 |
| 5°    | 2572.4 | 2577.9 | 2577.9 | 2577.9 | 2574.2 |
| 7.5°  | 2559.5 | 2563.2 | 2565.0 | 2566.9 | 2557.7 |
| 10°   | 2541.2 | 2544.8 | 2543.0 | 2546.7 | 2539.3 |
| 12.5° | 2517.3 | 2517.3 | 2519.1 | 2522.8 | 2515.5 |
| 15°   | 2482.4 | 2484.3 | 2486.1 | 2489.8 | 2480.6 |
| 17.5° | 2442.0 | 2443.9 | 2445.7 | 2447.5 | 2440.2 |
| 20°   | 2396.1 | 2396.1 | 2399.8 | 2401.6 | 2392.5 |
| 22.5° | 2339.2 | 2339.2 | 2342.9 | 2348.4 | 2337.4 |
| 25°   | 2278.6 | 2278.6 | 2280.4 | 2282.3 | 2273.1 |
| 27.5° | 2207.0 | 2207.0 | 2208.8 | 2214.3 | 2203.3 |
| 30°   | 2129.9 | 2128.1 | 2129.9 | 2131.7 | 2124.4 |
| 32.5° | 2043.6 | 2041.8 | 2039.9 | 2041.8 | 2032.6 |
| 35°   | 1940.8 | 1938.9 | 1935.3 | 1933.4 | 1926.1 |
| 37.5° | 1821.4 | 1817.7 | 1810.4 | 1810.4 | 1803.1 |
| 40°   | 1681.9 | 1672.7 | 1663.5 | 1659.8 | 1658.0 |
| 42.5° | 1520.3 | 1513.0 | 1500.1 | 1498.3 | 1498.3 |
| 45°   | 1356.9 | 1353.2 | 1334.9 | 1333.0 | 1340.4 |
| 47.5° | 1210.0 | 1200.8 | 1184.3 | 1180.6 | 1191.6 |
| 50°   | 1064.9 | 1066.8 | 1052.1 | 1046.6 | 1057.6 |
| 52.5° | 951.1  | 947.4  | 934.6  | 930.9  | 940.1  |
| 55°   | 844.6  | 840.9  | 831.8  | 826.2  | 833.6  |
| 57.5° | 747.3  | 745.5  | 736.3  | 734.4  | 738.1  |
| 60°   | 659.2  | 657.3  | 650.0  | 648.1  | 650.0  |
| 62.5° | 576.5  | 576.5  | 569.2  | 565.5  | 571.0  |
| 65°   | 499.4  | 503.1  | 495.7  | 492.1  | 497.6  |
| 67.5° | 429.6  | 433.3  | 426.0  | 422.3  | 429.6  |
| 70°   | 363.5  | 367.2  | 359.9  | 356.2  | 363.5  |
| 72.5° | 306.6  | 308.5  | 303.0  | 301.1  | 310.3  |
| 75°   | 255.2  | 255.2  | 251.5  | 251.5  | 255.2  |
| 77.5° | 207.5  | 205.6  | 203.8  | 203.8  | 200.1  |
| 80°   | 159.7  | 157.9  | 157.9  | 157.9  | 152.4  |
| 82.5° | 113.8  | 110.2  | 112.0  | 113.8  | 104.7  |
| 85°   | 67.9   | 67.9   | 67.9   | 69.8   | 60.6   |
| 87.5° | 27.5   | 27.5   | 25.7   | 27.5   | 23.9   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report









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





(END OF REPORT)