

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: P1050214

Luminaire Tested: PTR-14-60-PC3-L835-UNV-STD-W

Issue Date: 7/11/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1050214  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: PTR-14-60-PC3-L835-UNV-STD-W  
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS  
  
Light Source:  
Ballast/Driver: -

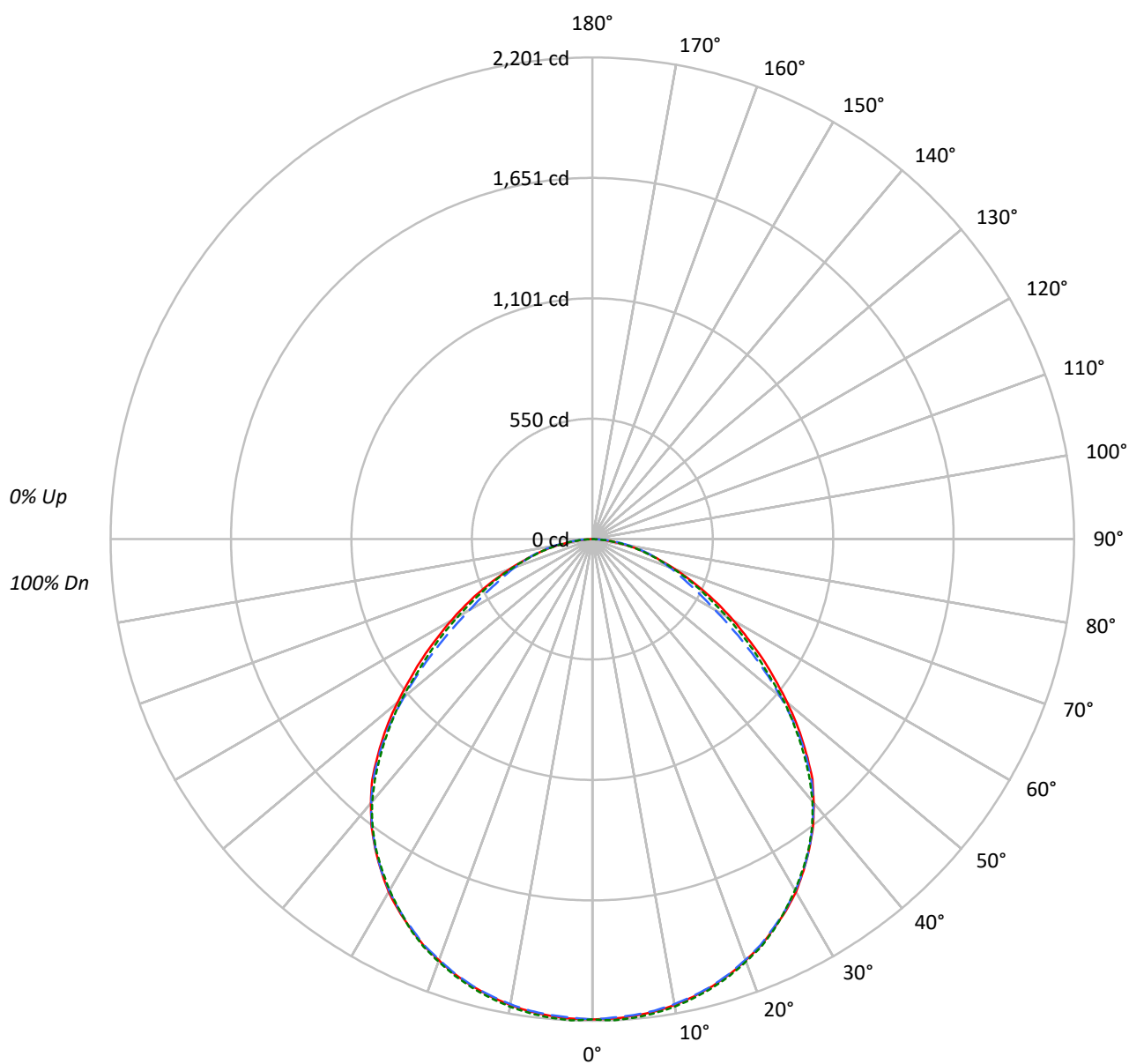
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5533.2 lumens  
Efficiency: N/A  
Efficacy: 111.1 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34  
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 | 100 |    |    |
| 1   | 110 | 105 | 101 | 98  | 107 | 103 | 99  | 96  | 99  | 96  | 93  | 95  | 92  | 90  | 91  | 89  | 87  | 85  |    |    |
| 2   | 100 | 93  | 86  | 81  | 98  | 91  | 85  | 80  | 87  | 82  | 78  | 84  | 80  | 76  | 81  | 78  | 75  | 72  |    |    |
| 3   | 92  | 82  | 74  | 68  | 90  | 80  | 73  | 68  | 77  | 71  | 66  | 75  | 70  | 65  | 72  | 68  | 64  | 62  |    |    |
| 4   | 85  | 73  | 65  | 58  | 82  | 72  | 64  | 58  | 69  | 63  | 57  | 67  | 61  | 56  | 65  | 60  | 56  | 54  |    |    |
| 5   | 78  | 66  | 57  | 51  | 76  | 65  | 56  | 50  | 62  | 55  | 50  | 61  | 54  | 49  | 59  | 53  | 49  | 47  |    |    |
| 6   | 72  | 59  | 51  | 45  | 70  | 58  | 50  | 44  | 57  | 49  | 44  | 55  | 49  | 44  | 53  | 48  | 43  | 41  |    |    |
| 7   | 67  | 54  | 46  | 40  | 65  | 53  | 45  | 39  | 52  | 44  | 39  | 50  | 44  | 39  | 49  | 43  | 39  | 37  |    |    |
| 8   | 62  | 49  | 41  | 35  | 61  | 49  | 41  | 35  | 47  | 40  | 35  | 46  | 40  | 35  | 45  | 39  | 35  | 33  |    |    |
| 9   | 58  | 45  | 37  | 32  | 57  | 45  | 37  | 32  | 44  | 37  | 32  | 43  | 36  | 32  | 42  | 36  | 31  | 30  |    |    |
| 10  | 55  | 42  | 34  | 29  | 54  | 41  | 34  | 29  | 40  | 34  | 29  | 40  | 33  | 29  | 39  | 33  | 29  | 27  |    |    |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 5906 | 5906 | 5906 |
| 5°  | 5908 | 5897 | 5931 |
| 10° | 5907 | 5897 | 5928 |
| 15° | 5894 | 5887 | 5913 |
| 20° | 5867 | 5858 | 5883 |
| 25° | 5827 | 5818 | 5841 |
| 30° | 5784 | 5764 | 5754 |
| 35° | 5679 | 5673 | 5663 |
| 40° | 5528 | 5520 | 5495 |
| 45° | 5258 | 5219 | 5165 |
| 50° | 4867 | 4703 | 4756 |
| 55° | 4441 | 4081 | 4265 |
| 60° | 4005 | 3482 | 3819 |
| 65° | 3580 | 3114 | 3434 |
| 70° | 3175 | 2947 | 3088 |
| 75° | 2808 | 2856 | 2752 |
| 80° | 2422 | 2727 | 2408 |
| 85° | 1815 | 2158 | 1815 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 5270 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 208.2  | 3.8       |
| 10°-20°   | 597.5  | 10.8      |
| 20°-30°   | 904.6  | 16.3      |
| 30°-40°   | 1078.5 | 19.5      |
| 40°-50°   | 1053.9 | 19.0      |
| 50°-60°   | 805.8  | 14.6      |
| 60°-70°   | 517.4  | 9.4       |
| 70°-80°   | 287.8  | 5.2       |
| 80°-90°   | 79.5   | 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°    | 1710.3 | 30.9      |
| 0°-40°    | 2788.9 | 50.4      |
| 0°-60°    | 4648.5 | 84.0      |
| 0°-90°    | 5533.2 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 5533.2 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2195 | 2195  | 2195 | 2195  | 2195 |      |
| 5°  | 2187 | 2188  | 2183 | 2193  | 2196 | 208  |
| 15° | 2116 | 2117  | 2113 | 2120  | 2123 | 597  |
| 25° | 1963 | 1965  | 1959 | 1966  | 1967 | 905  |
| 35° | 1729 | 1730  | 1727 | 1726  | 1724 | 1080 |
| 45° | 1382 | 1385  | 1371 | 1368  | 1357 | 1063 |
| 55° | 947  | 914   | 870  | 881   | 909  | 846  |
| 65° | 562  | 519   | 489  | 505   | 539  | 561  |
| 75° | 270  | 272   | 275  | 271   | 265  | 289  |
| 85° | 59   | 69    | 70   | 68    | 59   | 72   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2194.7 | 2194.7 | 2194.7 | 2194.7 | 2194.7 |
| 2.5°  | 2193.3 | 2194.2 | 2188.5 | 2197.9 | 2201.0 |
| 5°    | 2187.0 | 2188.5 | 2183.0 | 2193.3 | 2195.6 |
| 7.5°  | 2177.6 | 2179.1 | 2173.6 | 2183.9 | 2184.8 |
| 10°   | 2161.9 | 2162.8 | 2158.0 | 2168.2 | 2169.6 |
| 12.5° | 2140.8 | 2143.1 | 2137.7 | 2147.1 | 2147.7 |
| 15°   | 2115.5 | 2117.2 | 2113.2 | 2120.3 | 2122.6 |
| 17.5° | 2085.8 | 2086.6 | 2082.7 | 2090.4 | 2091.2 |
| 20°   | 2048.7 | 2048.7 | 2045.6 | 2054.4 | 2054.4 |
| 22.5° | 2011.1 | 2008.8 | 2007.9 | 2011.1 | 2015.9 |
| 25°   | 1962.6 | 1964.9 | 1959.4 | 1965.7 | 1967.1 |
| 27.5° | 1915.5 | 1915.5 | 1910.7 | 1913.8 | 1909.8 |
| 30°   | 1861.3 | 1858.2 | 1855.1 | 1855.6 | 1851.9 |
| 32.5° | 1796.0 | 1796.0 | 1794.6 | 1794.6 | 1789.7 |
| 35°   | 1728.7 | 1730.1 | 1727.0 | 1726.1 | 1723.9 |
| 37.5° | 1656.3 | 1658.8 | 1653.1 | 1651.7 | 1650.0 |
| 40°   | 1573.8 | 1573.8 | 1571.5 | 1568.4 | 1564.4 |
| 42.5° | 1488.3 | 1488.3 | 1478.3 | 1470.3 | 1464.9 |
| 45°   | 1381.6 | 1384.7 | 1371.3 | 1368.2 | 1357.3 |
| 47.5° | 1275.5 | 1273.2 | 1255.2 | 1253.0 | 1246.7 |
| 50°   | 1162.5 | 1149.1 | 1123.5 | 1130.3 | 1136.0 |
| 52.5° | 1049.6 | 1033.1 | 995.4  | 1003.1 | 1012.5 |
| 55°   | 946.6  | 913.8  | 869.9  | 880.7  | 909.0  |
| 57.5° | 839.1  | 795.2  | 751.3  | 771.8  | 806.9  |
| 60°   | 744.1  | 694.8  | 646.9  | 668.8  | 709.6  |
| 62.5° | 653.1  | 600.7  | 562.2  | 583.3  | 617.8  |
| 65°   | 562.2  | 518.8  | 489.1  | 505.4  | 539.3  |
| 67.5° | 478.9  | 449.8  | 429.5  | 437.2  | 464.6  |
| 70°   | 403.6  | 385.3  | 374.5  | 376.8  | 392.5  |
| 72.5° | 332.0  | 327.4  | 323.4  | 323.4  | 324.9  |
| 75°   | 270.1  | 272.4  | 274.7  | 271.0  | 264.7  |
| 77.5° | 212.8  | 220.5  | 226.2  | 218.2  | 210.5  |
| 80°   | 156.3  | 168.8  | 176.0  | 167.1  | 155.4  |
| 82.5° | 106.7  | 120.9  | 123.2  | 117.8  | 104.4  |
| 85°   | 58.8   | 69.0   | 69.9   | 67.6   | 58.8   |
| 87.5° | 22.0   | 26.0   | 28.2   | 26.0   | 22.8   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |







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





(END OF REPORT)