

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: P1050856

Luminaire Tested: 24PTR-60-PP3-L830-UNV-STD-W

Issue Date: 7/11/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1050856  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: 24PTR-60-PP3-L830-UNV-STD-W  
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PRISM LENS  
  
Light Source:  
Ballast/Driver: -

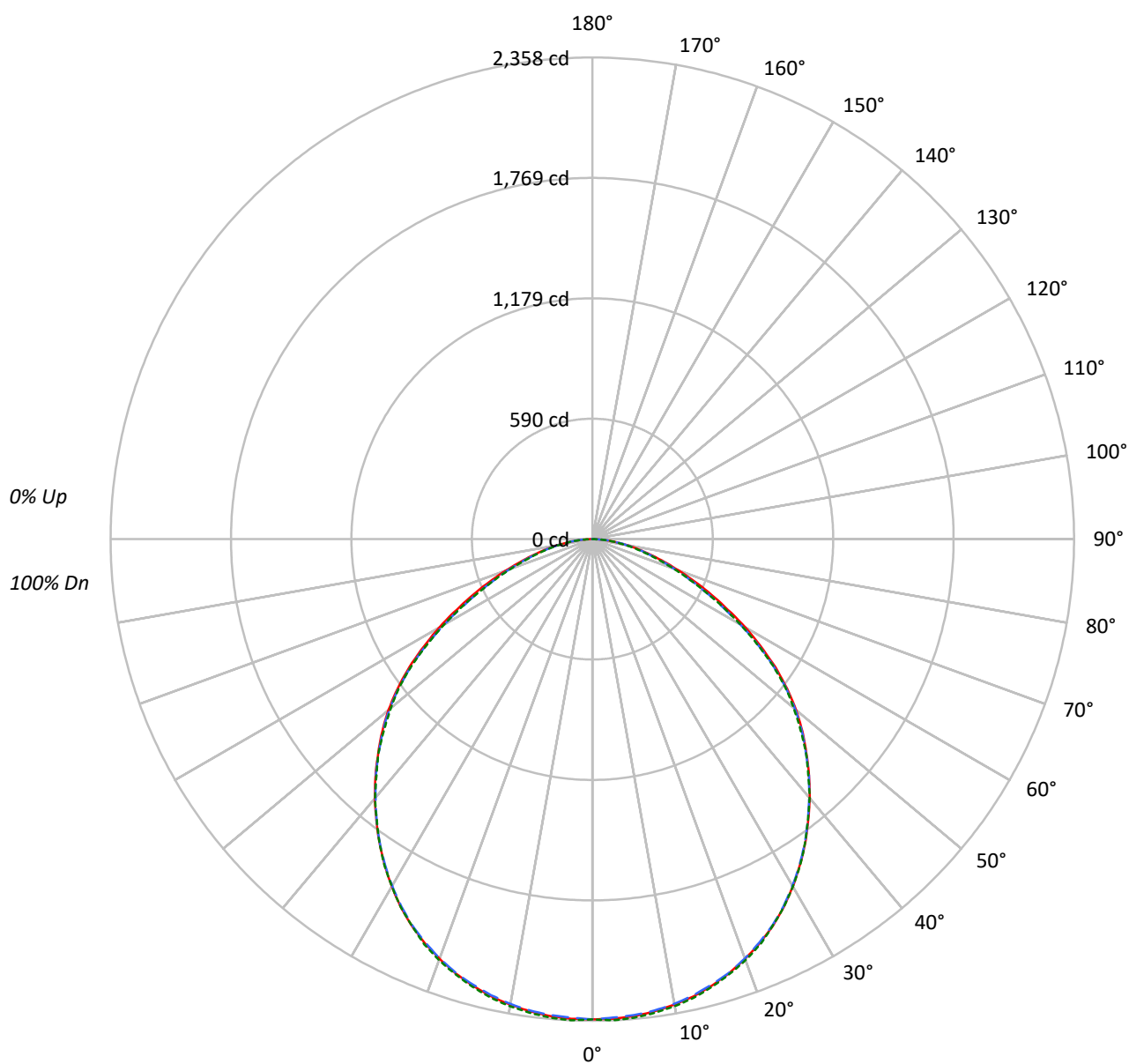
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6074.1 lumens  
Efficiency: N/A  
Efficacy: 119.1 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 51  
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   | 109 | 105 | 101 | 97  | 107 | 103 | 99  | 96  | 99  | 96  | 93  | 95  | 92  | 90  | 91  | 89  | 87  | 85  |    |    |
| 2   | 100 | 92  | 86  | 80  | 97  | 90  | 84  | 79  | 87  | 82  | 78  | 84  | 79  | 76  | 81  | 77  | 74  | 72  |    |    |
| 3   | 92  | 81  | 74  | 67  | 89  | 80  | 73  | 67  | 77  | 71  | 66  | 74  | 69  | 65  | 72  | 67  | 63  | 61  |    |    |
| 4   | 84  | 73  | 64  | 58  | 82  | 71  | 63  | 57  | 69  | 62  | 56  | 66  | 60  | 56  | 64  | 59  | 55  | 53  |    |    |
| 5   | 77  | 65  | 56  | 50  | 75  | 64  | 56  | 50  | 62  | 55  | 49  | 60  | 54  | 49  | 58  | 52  | 48  | 46  |    |    |
| 6   | 72  | 59  | 50  | 44  | 70  | 58  | 50  | 44  | 56  | 49  | 43  | 54  | 48  | 43  | 53  | 47  | 42  | 40  |    |    |
| 7   | 66  | 53  | 45  | 39  | 65  | 52  | 44  | 39  | 51  | 44  | 38  | 50  | 43  | 38  | 48  | 42  | 38  | 36  |    |    |
| 8   | 62  | 49  | 40  | 35  | 60  | 48  | 40  | 35  | 47  | 39  | 34  | 45  | 39  | 34  | 44  | 38  | 34  | 32  |    |    |
| 9   | 58  | 45  | 37  | 31  | 57  | 44  | 36  | 31  | 43  | 36  | 31  | 42  | 35  | 31  | 41  | 35  | 31  | 29  |    |    |
| 10  | 54  | 41  | 34  | 28  | 53  | 41  | 33  | 28  | 40  | 33  | 28  | 39  | 33  | 28  | 38  | 32  | 28  | 26  |    |    |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 3163 | 3163 | 3163 |
| 5°  | 3166 | 3159 | 3176 |
| 10° | 3161 | 3157 | 3172 |
| 15° | 3151 | 3145 | 3159 |
| 20° | 3130 | 3128 | 3141 |
| 25° | 3102 | 3097 | 3101 |
| 30° | 3050 | 3044 | 3050 |
| 35° | 2984 | 2980 | 2982 |
| 40° | 2908 | 2898 | 2906 |
| 45° | 2820 | 2812 | 2815 |
| 50° | 2726 | 2713 | 2694 |
| 55° | 2566 | 2536 | 2528 |
| 60° | 2329 | 2250 | 2255 |
| 65° | 2046 | 1943 | 1940 |
| 70° | 1769 | 1688 | 1669 |
| 75° | 1529 | 1473 | 1441 |
| 80° | 1355 | 1336 | 1275 |
| 85° | 1121 | 1158 | 1091 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2830 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 222.9  | 3.7       |
| 10°-20°   | 638.7  | 10.5      |
| 20°-30°   | 961.6  | 15.8      |
| 30°-40°   | 1134.9 | 18.7      |
| 40°-50°   | 1141.4 | 18.8      |
| 50°-60°   | 963.6  | 15.9      |
| 60°-70°   | 618.8  | 10.2      |
| 70°-80°   | 307.8  | 5.1       |
| 80°-90°   | 84.3   | 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°    | 1823.2 | 30.0      |
| 0°-40°    | 2958.1 | 48.7      |
| 0°-60°    | 5063.2 | 83.4      |
| 0°-90°    | 6074.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 6074.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2351 | 2351  | 2351 | 2351  | 2351 |      |
| 5°  | 2344 | 2345  | 2339 | 2350  | 2352 | 223  |
| 15° | 2262 | 2263  | 2258 | 2268  | 2268 | 638  |
| 25° | 2090 | 2090  | 2086 | 2090  | 2089 | 962  |
| 35° | 1817 | 1818  | 1814 | 1816  | 1816 | 1135 |
| 45° | 1482 | 1487  | 1478 | 1480  | 1480 | 1144 |
| 55° | 1094 | 1093  | 1081 | 1077  | 1078 | 973  |
| 65° | 642  | 633   | 610  | 604   | 609  | 641  |
| 75° | 294  | 293   | 283  | 281   | 277  | 318  |
| 85° | 73   | 75    | 75   | 71    | 71   | 85   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2350.9 | 2350.9 | 2350.9 | 2350.9 | 2350.9 |
| 2.5°  | 2350.0 | 2350.9 | 2344.7 | 2355.9 | 2357.7 |
| 5°    | 2344.1 | 2344.7 | 2338.8 | 2350.0 | 2351.5 |
| 7.5°  | 2332.0 | 2332.9 | 2327.6 | 2337.9 | 2339.7 |
| 10°   | 2314.0 | 2316.8 | 2310.6 | 2320.2 | 2321.8 |
| 12.5° | 2292.0 | 2292.9 | 2286.7 | 2297.9 | 2299.7 |
| 15°   | 2262.2 | 2262.8 | 2257.9 | 2268.1 | 2268.1 |
| 17.5° | 2227.8 | 2228.7 | 2225.3 | 2234.0 | 2233.1 |
| 20°   | 2186.3 | 2188.7 | 2184.4 | 2190.3 | 2193.7 |
| 22.5° | 2141.0 | 2141.9 | 2136.6 | 2144.4 | 2147.8 |
| 25°   | 2089.8 | 2090.4 | 2086.4 | 2090.4 | 2088.9 |
| 27.5° | 2030.0 | 2031.5 | 2025.6 | 2030.0 | 2030.9 |
| 30°   | 1963.3 | 1967.7 | 1959.3 | 1962.7 | 1963.3 |
| 32.5° | 1891.7 | 1894.2 | 1888.3 | 1889.2 | 1893.6 |
| 35°   | 1816.7 | 1817.6 | 1814.2 | 1815.7 | 1815.7 |
| 37.5° | 1735.7 | 1739.1 | 1733.9 | 1736.4 | 1732.9 |
| 40°   | 1655.4 | 1652.0 | 1650.2 | 1652.0 | 1654.5 |
| 42.5° | 1570.8 | 1571.7 | 1569.2 | 1567.4 | 1563.3 |
| 45°   | 1482.1 | 1487.4 | 1477.8 | 1479.6 | 1479.6 |
| 47.5° | 1395.3 | 1395.9 | 1390.9 | 1385.7 | 1382.3 |
| 50°   | 1302.3 | 1302.3 | 1296.1 | 1292.0 | 1286.8 |
| 52.5° | 1200.6 | 1199.0 | 1192.2 | 1187.9 | 1190.3 |
| 55°   | 1093.9 | 1093.0 | 1081.2 | 1076.8 | 1077.8 |
| 57.5° | 977.0  | 978.9  | 960.9  | 956.5  | 956.5  |
| 60°   | 865.4  | 856.7  | 836.2  | 830.3  | 837.8  |
| 62.5° | 748.2  | 737.9  | 715.9  | 715.9  | 721.8  |
| 65°   | 642.5  | 633.1  | 610.2  | 604.0  | 609.3  |
| 67.5° | 543.5  | 534.9  | 513.8  | 510.4  | 511.9  |
| 70°   | 449.6  | 442.1  | 429.1  | 421.4  | 424.2  |
| 72.5° | 368.7  | 361.8  | 353.2  | 347.3  | 343.9  |
| 75°   | 294.2  | 292.7  | 283.4  | 280.6  | 277.2  |
| 77.5° | 232.9  | 232.2  | 224.5  | 221.1  | 217.7  |
| 80°   | 174.9  | 173.9  | 172.4  | 167.1  | 164.6  |
| 82.5° | 124.6  | 124.6  | 123.7  | 119.4  | 116.9  |
| 85°   | 72.6   | 75.0   | 75.0   | 70.7   | 70.7   |
| 87.5° | 29.1   | 30.7   | 29.1   | 29.1   | 28.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |









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





(END OF REPORT)