

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P738003

Luminaire Tested: **14PT-80-PL1-L930**

Issue Date: 2/8/2024



**Test Information**

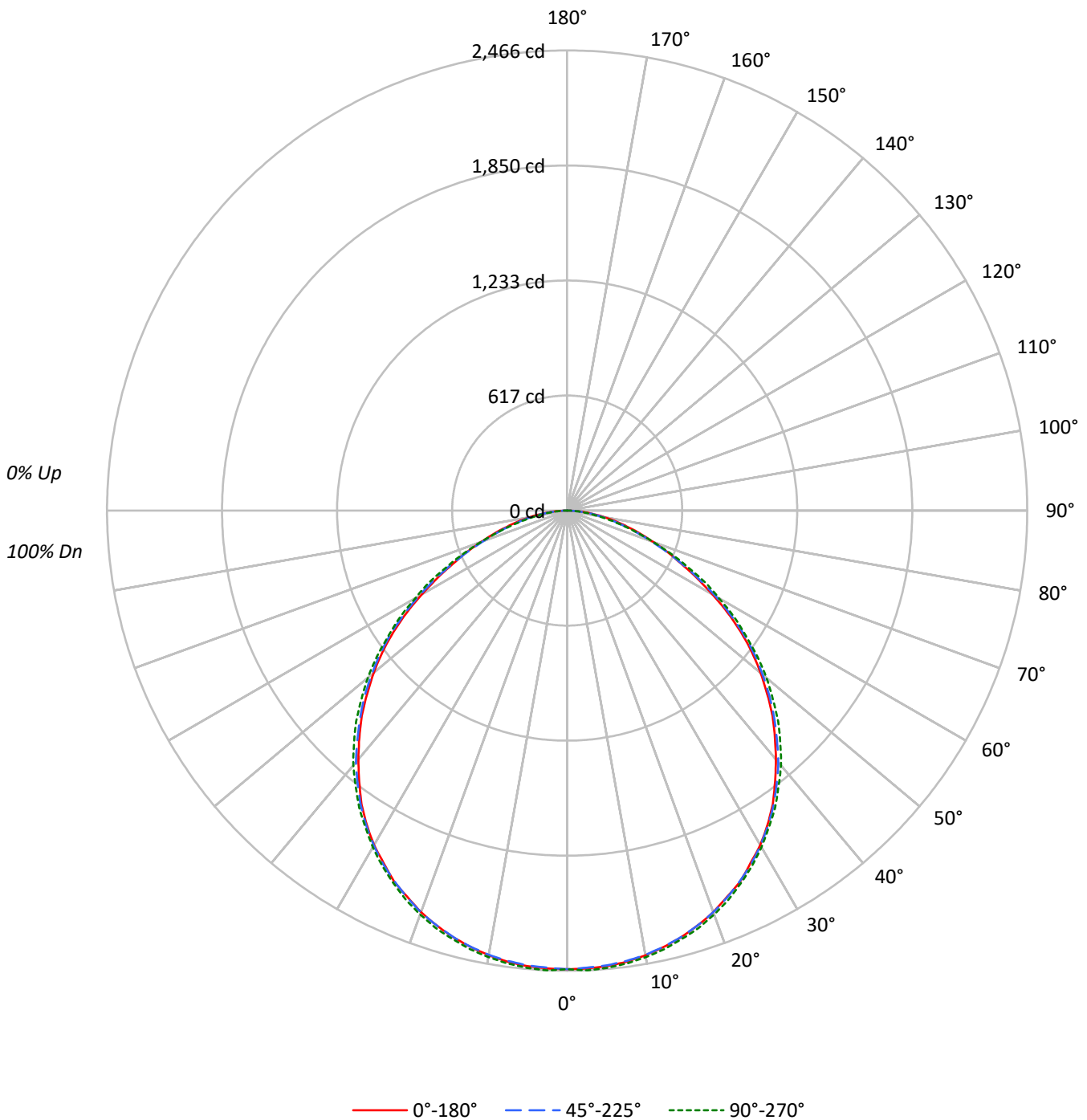
Test Method: LM-79-08  
Report Number: P738003  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-80-PL1-L930  
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LEAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6479.0 lumens  
Efficiency: N/A  
Efficacy: 91.3 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35  
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 71  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: 25 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  | 0   |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 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 | 102 | 102 | 100 |
| 1   | 109 | 105 | 101 | 97  | 107 | 103 | 99  | 96  | 98  | 95  | 93  | 94  | 92  | 90  | 91  | 89  | 87  | 85  |
| 2   | 100 | 92  | 86  | 80  | 97  | 90  | 84  | 79  | 87  | 82  | 77  | 83  | 79  | 75  | 80  | 77  | 74  | 72  |
| 3   | 91  | 81  | 73  | 67  | 89  | 80  | 72  | 66  | 77  | 70  | 65  | 74  | 69  | 64  | 71  | 67  | 63  | 61  |
| 4   | 84  | 72  | 64  | 57  | 82  | 71  | 63  | 57  | 68  | 61  | 56  | 66  | 60  | 55  | 64  | 59  | 55  | 52  |
| 5   | 77  | 65  | 56  | 49  | 75  | 64  | 55  | 49  | 61  | 54  | 49  | 60  | 53  | 48  | 58  | 52  | 48  | 46  |
| 6   | 71  | 58  | 50  | 43  | 69  | 57  | 49  | 43  | 56  | 48  | 43  | 54  | 47  | 42  | 52  | 47  | 42  | 40  |
| 7   | 66  | 53  | 44  | 38  | 65  | 52  | 44  | 38  | 51  | 43  | 38  | 49  | 43  | 38  | 48  | 42  | 37  | 35  |
| 8   | 62  | 48  | 40  | 34  | 60  | 48  | 40  | 34  | 46  | 39  | 34  | 45  | 39  | 34  | 44  | 38  | 34  | 32  |
| 9   | 58  | 44  | 36  | 31  | 56  | 44  | 36  | 31  | 43  | 36  | 31  | 42  | 35  | 30  | 41  | 35  | 30  | 29  |
| 10  | 54  | 41  | 33  | 28  | 53  | 41  | 33  | 28  | 40  | 33  | 28  | 39  | 32  | 28  | 38  | 32  | 28  | 26  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 7369 | 7369 | 7369 |
| 5°  | 7375 | 7361 | 7403 |
| 10° | 7366 | 7358 | 7399 |
| 15° | 7343 | 7340 | 7377 |
| 20° | 7307 | 7307 | 7348 |
| 25° | 7257 | 7248 | 7287 |
| 30° | 7166 | 7175 | 7210 |
| 35° | 7029 | 7056 | 7112 |
| 40° | 6811 | 6889 | 6978 |
| 45° | 6599 | 6652 | 6780 |
| 50° | 6307 | 6375 | 6503 |
| 55° | 5940 | 6036 | 6107 |
| 60° | 5389 | 5504 | 5641 |
| 65° | 4787 | 4839 | 5033 |
| 70° | 4279 | 4191 | 4294 |
| 75° | 3861 | 3640 | 3565 |
| 80° | 3507 | 3254 | 2894 |
| 85° | 2976 | 2693 | 2318 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 233.1  | 3.6       |
| 10°-20°   | 668.7  | 10.3      |
| 20°-30°   | 1011.5 | 15.6      |
| 30°-40°   | 1205.7 | 18.6      |
| 40°-50°   | 1212.4 | 18.7      |
| 50°-60°   | 1028.9 | 15.9      |
| 60°-70°   | 685.1  | 10.6      |
| 70°-80°   | 342.1  | 5.3       |
| 80°-90°   | 91.5   | 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°    | 1913.3 | 29.5      |
| 0°-40°    | 3119.0 | 48.1      |
| 0°-60°    | 5360.3 | 82.7      |
| 0°-90°    | 6479.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 6479.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2458 | 2458  | 2458 | 2458  | 2458 |      |
| 5°  | 2450 | 2452  | 2446 | 2457  | 2460 | 233  |
| 15° | 2366 | 2369  | 2365 | 2375  | 2377 | 668  |
| 25° | 2194 | 2194  | 2191 | 2201  | 2203 | 1009 |
| 35° | 1921 | 1922  | 1928 | 1942  | 1943 | 1198 |
| 45° | 1556 | 1559  | 1569 | 1590  | 1599 | 1197 |
| 55° | 1136 | 1145  | 1155 | 1166  | 1168 | 1013 |
| 65° | 675  | 680   | 682  | 692   | 709  | 676  |
| 75° | 333  | 329   | 314  | 307   | 308  | 358  |
| 85° | 86   | 85    | 78   | 74    | 67   | 100  |
| 90° | 0    | 0     | 0    | 0     | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2457.8 | 2457.8 | 2457.8 | 2457.8 | 2457.8 |
| 2.5°  | 2456.0 | 2457.8 | 2451.5 | 2463.3 | 2466.0 |
| 5°    | 2450.5 | 2451.5 | 2446.0 | 2456.9 | 2459.7 |
| 7.5°  | 2438.7 | 2439.6 | 2434.2 | 2446.0 | 2447.8 |
| 10°   | 2419.6 | 2421.4 | 2416.9 | 2427.8 | 2430.5 |
| 12.5° | 2395.0 | 2397.7 | 2393.2 | 2405.0 | 2406.8 |
| 15°   | 2365.9 | 2368.6 | 2364.9 | 2375.0 | 2376.8 |
| 17.5° | 2330.3 | 2332.2 | 2330.3 | 2339.4 | 2344.9 |
| 20°   | 2290.3 | 2290.3 | 2290.3 | 2298.5 | 2303.0 |
| 22.5° | 2240.2 | 2244.7 | 2242.9 | 2253.8 | 2258.4 |
| 25°   | 2193.7 | 2193.7 | 2191.0 | 2201.0 | 2202.9 |
| 27.5° | 2129.1 | 2136.4 | 2135.5 | 2144.6 | 2146.4 |
| 30°   | 2069.9 | 2071.7 | 2072.6 | 2079.0 | 2082.6 |
| 32.5° | 1998.0 | 1999.8 | 2002.5 | 2011.6 | 2012.5 |
| 35°   | 1920.6 | 1922.4 | 1927.8 | 1941.5 | 1943.3 |
| 37.5° | 1830.4 | 1840.4 | 1845.0 | 1859.5 | 1861.4 |
| 40°   | 1740.2 | 1746.6 | 1760.3 | 1775.8 | 1783.0 |
| 42.5° | 1648.3 | 1655.6 | 1663.7 | 1684.7 | 1691.1 |
| 45°   | 1556.3 | 1559.0 | 1569.0 | 1590.0 | 1599.1 |
| 47.5° | 1454.3 | 1462.5 | 1471.6 | 1489.8 | 1495.3 |
| 50°   | 1352.3 | 1361.4 | 1366.9 | 1383.3 | 1394.2 |
| 52.5° | 1249.4 | 1257.6 | 1264.0 | 1274.0 | 1284.9 |
| 55°   | 1136.5 | 1144.7 | 1154.7 | 1165.6 | 1168.4 |
| 57.5° | 1021.7 | 1030.9 | 1037.2 | 1049.1 | 1060.9 |
| 60°   | 898.8  | 908.8  | 917.9  | 928.9  | 940.7  |
| 62.5° | 784.1  | 788.6  | 797.7  | 815.9  | 833.2  |
| 65°   | 674.8  | 680.3  | 682.1  | 692.1  | 709.4  |
| 67.5° | 583.7  | 583.7  | 575.5  | 579.2  | 598.3  |
| 70°   | 488.1  | 484.5  | 478.1  | 474.4  | 489.9  |
| 72.5° | 410.7  | 406.1  | 392.5  | 386.1  | 394.3  |
| 75°   | 333.3  | 328.7  | 314.2  | 306.9  | 307.8  |
| 77.5° | 267.7  | 260.4  | 248.6  | 235.9  | 233.1  |
| 80°   | 203.1  | 200.3  | 188.5  | 176.7  | 167.6  |
| 82.5° | 143.9  | 137.5  | 131.1  | 123.8  | 116.6  |
| 85°   | 86.5   | 84.7   | 78.3   | 73.8   | 67.4   |
| 87.5° | 35.5   | 35.5   | 33.7   | 31.9   | 30.1   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)