

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: P737919

Luminaire Tested: **14PT-60-PR1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737919
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-60-PR1-L830
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

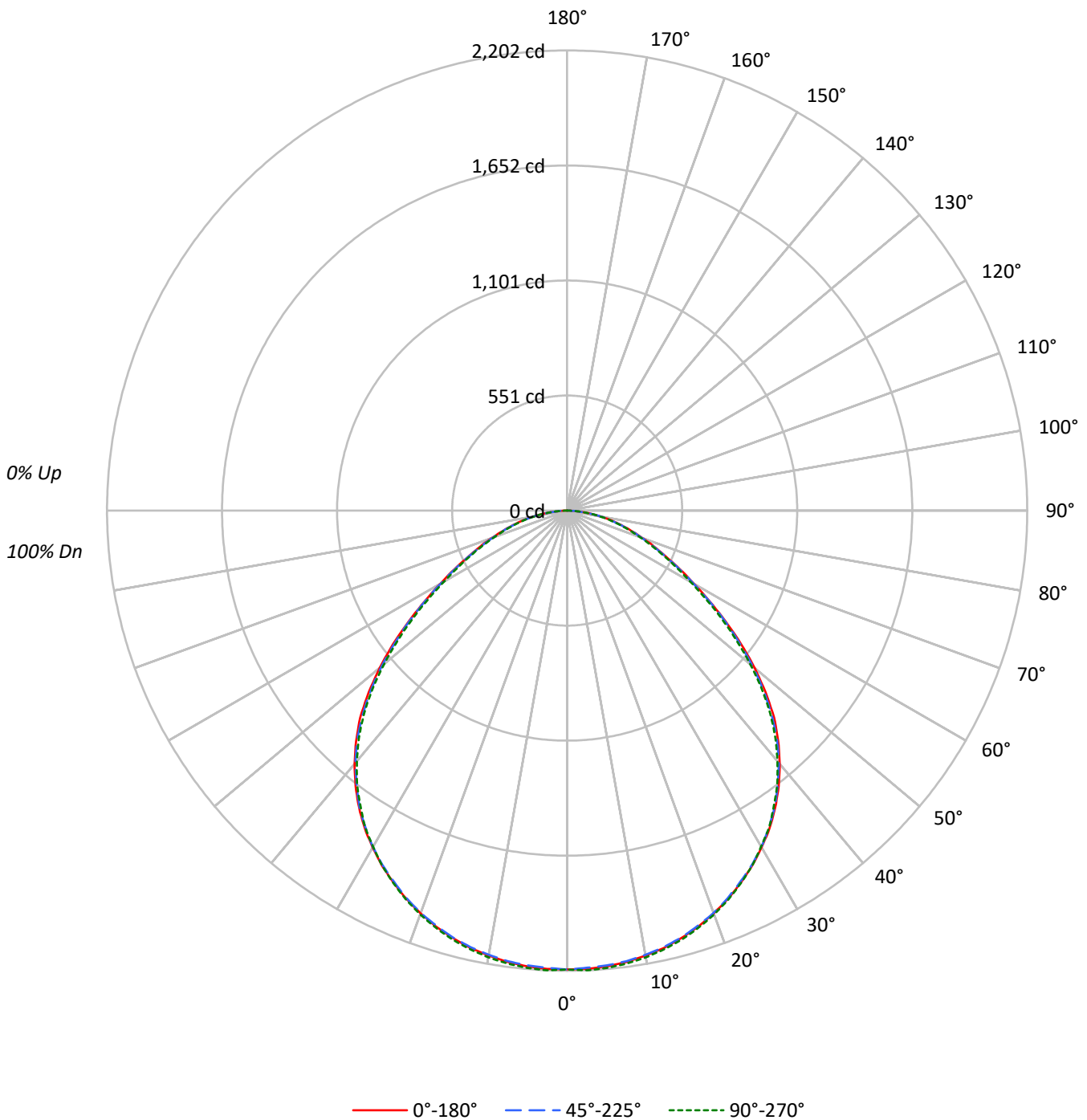
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5553.0 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 49.8
Input Voltage (V): NR
Input Current (A_{in}): 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 | 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 | | | | | 100 | | | |
| 1 | 110 | 105 | 101 | 98 | 107 | 103 | 99 | 96 | 99 | 96 | 93 | 95 | 92 | 90 | 91 | 89 | 88 | | | | | 85 | | | | |
| 2 | 100 | 93 | 86 | 81 | 98 | 91 | 85 | 80 | 87 | 82 | 78 | 84 | 80 | 76 | 81 | 78 | 75 | | | | | 73 | | | | |
| 3 | 92 | 82 | 74 | 68 | 90 | 80 | 73 | 68 | 78 | 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 | 45 | 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 | 39 | 33 | 29 | 39 | 33 | 29 | | | | | 27 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 6583 | 6583 | 6583 |
| 5° | 6589 | 6575 | 6610 |
| 10° | 6584 | 6572 | 6608 |
| 15° | 6571 | 6561 | 6593 |
| 20° | 6543 | 6536 | 6561 |
| 25° | 6501 | 6485 | 6509 |
| 30° | 6444 | 6435 | 6427 |
| 35° | 6354 | 6340 | 6314 |
| 40° | 6194 | 6170 | 6126 |
| 45° | 5936 | 5869 | 5826 |
| 50° | 5462 | 5400 | 5333 |
| 55° | 4833 | 4813 | 4718 |
| 60° | 4200 | 4186 | 4073 |
| 65° | 3702 | 3679 | 3607 |
| 70° | 3360 | 3312 | 3242 |
| 75° | 3109 | 3036 | 2980 |
| 80° | 2840 | 2799 | 2704 |
| 85° | 2246 | 2219 | 2140 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 208.3 | 3.8 |
| 10°-20° | 597.8 | 10.8 |
| 20°-30° | 905.7 | 16.3 |
| 30°-40° | 1081.2 | 19.5 |
| 40°-50° | 1063.3 | 19.1 |
| 50°-60° | 821.8 | 14.8 |
| 60°-70° | 518.2 | 9.3 |
| 70°-80° | 280.3 | 5.0 |
| 80°-90° | 76.6 | 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° | 1711.8 | 30.8 |
| 0°-40° | 2792.9 | 50.3 |
| 0°-60° | 4678.0 | 84.2 |
| 0°-90° | 5553.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 5553.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 2196 | 2196 | 2196 | 2196 | 2196 | |
| 5° | 2189 | 2190 | 2185 | 2194 | 2196 | 208 |
| 15° | 2117 | 2118 | 2114 | 2121 | 2124 | 597 |
| 25° | 1965 | 1967 | 1960 | 1967 | 1968 | 906 |
| 35° | 1736 | 1737 | 1732 | 1730 | 1725 | 1084 |
| 45° | 1400 | 1395 | 1384 | 1373 | 1374 | 1072 |
| 55° | 925 | 933 | 921 | 906 | 903 | 830 |
| 65° | 522 | 523 | 519 | 510 | 508 | 525 |
| 75° | 268 | 265 | 262 | 264 | 257 | 285 |
| 85° | 65 | 66 | 64 | 65 | 62 | 78 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P737919

CATALOG NUMBER: 14PT-60-PR1-L830

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 2195.7 | 2195.7 | 2195.7 | 2195.7 | 2195.7 |
| 2.5° | 2194.9 | 2195.7 | 2189.4 | 2199.7 | 2202.0 |
| 5° | 2189.4 | 2190.2 | 2184.7 | 2194.2 | 2196.5 |
| 7.5° | 2178.4 | 2180.0 | 2174.5 | 2183.9 | 2186.3 |
| 10° | 2162.7 | 2164.3 | 2158.7 | 2168.2 | 2170.5 |
| 12.5° | 2143.0 | 2143.8 | 2139.1 | 2147.7 | 2150.1 |
| 15° | 2117.0 | 2117.8 | 2113.9 | 2121.0 | 2124.1 |
| 17.5° | 2087.1 | 2087.9 | 2082.4 | 2091.1 | 2092.6 |
| 20° | 2050.9 | 2051.7 | 2048.6 | 2055.6 | 2056.4 |
| 22.5° | 2010.8 | 2012.4 | 2007.6 | 2013.9 | 2014.7 |
| 25° | 1965.1 | 1966.7 | 1960.4 | 1966.7 | 1967.5 |
| 27.5° | 1917.1 | 1917.9 | 1912.4 | 1917.1 | 1916.3 |
| 30° | 1861.3 | 1866.0 | 1858.9 | 1857.3 | 1856.5 |
| 32.5° | 1803.0 | 1803.8 | 1796.7 | 1795.1 | 1798.3 |
| 35° | 1736.1 | 1736.9 | 1732.2 | 1729.8 | 1725.1 |
| 37.5° | 1662.9 | 1662.9 | 1654.3 | 1652.7 | 1651.9 |
| 40° | 1582.7 | 1581.9 | 1576.4 | 1570.9 | 1565.3 |
| 42.5° | 1495.3 | 1496.9 | 1485.9 | 1476.4 | 1474.8 |
| 45° | 1400.1 | 1394.6 | 1384.3 | 1373.3 | 1374.1 |
| 47.5° | 1287.5 | 1289.1 | 1274.9 | 1266.3 | 1263.9 |
| 50° | 1171.1 | 1171.1 | 1157.7 | 1148.2 | 1143.5 |
| 52.5° | 1049.1 | 1049.9 | 1037.3 | 1024.7 | 1022.3 |
| 55° | 924.7 | 932.6 | 920.8 | 905.8 | 902.7 |
| 57.5° | 808.2 | 814.5 | 803.5 | 787.8 | 787.0 |
| 60° | 700.4 | 701.2 | 698.1 | 683.1 | 679.2 |
| 62.5° | 608.4 | 604.4 | 602.8 | 595.0 | 590.3 |
| 65° | 521.8 | 522.6 | 518.6 | 510.0 | 508.4 |
| 67.5° | 451.7 | 451.0 | 443.9 | 438.4 | 435.2 |
| 70° | 383.3 | 380.9 | 377.8 | 373.0 | 369.9 |
| 72.5° | 321.9 | 321.9 | 319.5 | 317.9 | 312.4 |
| 75° | 268.4 | 265.2 | 262.1 | 263.6 | 257.3 |
| 77.5° | 217.2 | 214.1 | 211.7 | 208.6 | 207.0 |
| 80° | 164.5 | 161.3 | 162.1 | 157.4 | 156.6 |
| 82.5° | 114.1 | 114.1 | 112.5 | 108.6 | 109.4 |
| 85° | 65.3 | 66.1 | 64.5 | 65.3 | 62.2 |
| 87.5° | 23.6 | 24.4 | 26.0 | 24.4 | 24.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)