

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: P738293

Luminaire Tested: **22PT-60-PL1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738293
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-60-PL1-L940
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

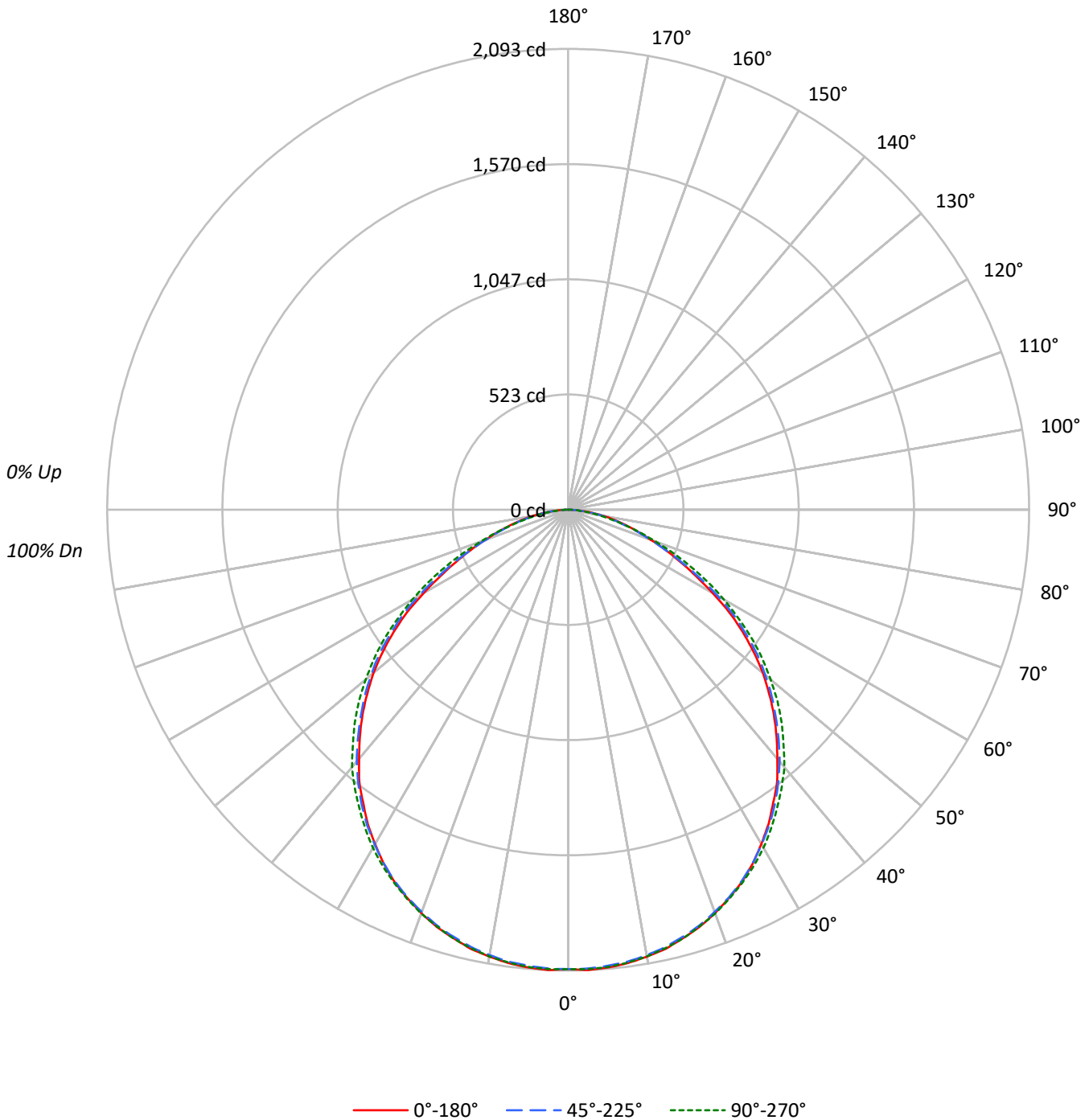
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5498.0 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 51.8
Input Voltage (V): NR
Input Current (Ain): 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 | 95 | 92 | 90 | 91 | 89 | 87 | 85 |
| 2 | 100 | 92 | 86 | 80 | 97 | 90 | 84 | 79 | 87 | 82 | 77 | 83 | 79 | 76 | 80 | 77 | 74 | 72 |
| 3 | 91 | 81 | 73 | 67 | 89 | 80 | 72 | 67 | 77 | 71 | 65 | 74 | 69 | 64 | 72 | 67 | 63 | 61 |
| 4 | 84 | 72 | 64 | 57 | 82 | 71 | 63 | 57 | 68 | 62 | 56 | 66 | 60 | 55 | 64 | 59 | 55 | 52 |
| 5 | 77 | 65 | 56 | 50 | 75 | 64 | 55 | 49 | 62 | 54 | 49 | 60 | 53 | 48 | 58 | 52 | 48 | 46 |
| 6 | 71 | 58 | 50 | 43 | 70 | 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 | 31 | 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° | 6114 | 6114 | 6114 |
| 5° | 6138 | 6114 | 6130 |
| 10° | 6133 | 6112 | 6128 |
| 15° | 6112 | 6093 | 6114 |
| 20° | 6080 | 6061 | 6085 |
| 25° | 6031 | 6020 | 6045 |
| 30° | 5931 | 5944 | 6000 |
| 35° | 5806 | 5847 | 5916 |
| 40° | 5648 | 5712 | 5840 |
| 45° | 5475 | 5522 | 5679 |
| 50° | 5258 | 5322 | 5466 |
| 55° | 4938 | 5036 | 5193 |
| 60° | 4440 | 4589 | 4784 |
| 65° | 3889 | 3969 | 4267 |
| 70° | 3415 | 3385 | 3602 |
| 75° | 3071 | 2942 | 2951 |
| 80° | 2755 | 2607 | 2325 |
| 85° | 2185 | 2155 | 1772 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 197.9 | 3.6 |
| 10°-20° | 567.5 | 10.3 |
| 20°-30° | 858.3 | 15.6 |
| 30°-40° | 1023.4 | 18.6 |
| 40°-50° | 1033.3 | 18.8 |
| 50°-60° | 881.5 | 16.0 |
| 60°-70° | 579.3 | 10.5 |
| 70°-80° | 283.6 | 5.2 |
| 80°-90° | 73.1 | 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° | 1623.8 | 29.5 |
| 0°-40° | 2647.2 | 48.1 |
| 0°-60° | 4562.0 | 83.0 |
| 0°-90° | 5498.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 5498.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 2087 | 2087 | 2087 | 2087 | 2087 | |
| 5° | 2087 | 2082 | 2079 | 2079 | 2084 | 198 |
| 15° | 2015 | 2011 | 2009 | 2010 | 2016 | 569 |
| 25° | 1866 | 1861 | 1862 | 1865 | 1870 | 858 |
| 35° | 1623 | 1628 | 1635 | 1646 | 1654 | 1016 |
| 45° | 1321 | 1325 | 1333 | 1359 | 1370 | 1018 |
| 55° | 967 | 972 | 986 | 1009 | 1017 | 860 |
| 65° | 561 | 561 | 572 | 599 | 615 | 561 |
| 75° | 271 | 269 | 260 | 258 | 261 | 290 |
| 85° | 65 | 65 | 64 | 59 | 53 | 78 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 2086.7 | 2086.7 | 2086.7 | 2086.7 | 2086.7 |
| 2.5° | 2092.9 | 2088.5 | 2085.9 | 2084.1 | 2088.5 |
| 5° | 2086.7 | 2082.4 | 2078.8 | 2078.8 | 2084.1 |
| 7.5° | 2077.1 | 2072.7 | 2070.1 | 2069.2 | 2074.5 |
| 10° | 2061.3 | 2056.0 | 2054.3 | 2053.4 | 2059.5 |
| 12.5° | 2042.9 | 2035.0 | 2035.0 | 2034.1 | 2040.2 |
| 15° | 2014.8 | 2011.3 | 2008.6 | 2009.5 | 2015.6 |
| 17.5° | 1985.8 | 1982.3 | 1980.5 | 1980.5 | 1984.0 |
| 20° | 1949.8 | 1945.4 | 1943.7 | 1945.4 | 1951.6 |
| 22.5° | 1908.5 | 1905.9 | 1905.9 | 1907.7 | 1912.0 |
| 25° | 1865.5 | 1861.1 | 1862.0 | 1864.6 | 1869.9 |
| 27.5° | 1812.8 | 1812.0 | 1812.0 | 1818.1 | 1824.3 |
| 30° | 1753.1 | 1753.1 | 1756.7 | 1765.4 | 1773.3 |
| 32.5° | 1692.6 | 1691.7 | 1698.7 | 1706.6 | 1715.4 |
| 35° | 1623.2 | 1627.6 | 1634.6 | 1646.0 | 1653.9 |
| 37.5° | 1558.3 | 1557.4 | 1566.2 | 1586.4 | 1591.6 |
| 40° | 1476.6 | 1482.8 | 1493.3 | 1513.5 | 1526.7 |
| 42.5° | 1400.2 | 1404.6 | 1414.3 | 1438.0 | 1446.8 |
| 45° | 1321.2 | 1324.7 | 1332.6 | 1359.0 | 1370.4 |
| 47.5° | 1237.8 | 1242.2 | 1253.6 | 1275.6 | 1288.7 |
| 50° | 1153.5 | 1159.7 | 1167.6 | 1188.7 | 1199.2 |
| 52.5° | 1061.4 | 1069.3 | 1083.3 | 1102.6 | 1110.5 |
| 55° | 966.6 | 971.8 | 985.9 | 1008.7 | 1016.6 |
| 57.5° | 867.4 | 871.7 | 891.9 | 908.6 | 914.8 |
| 60° | 757.6 | 762.9 | 783.1 | 809.4 | 816.4 |
| 62.5° | 654.0 | 658.4 | 676.0 | 707.6 | 718.1 |
| 65° | 561.0 | 561.0 | 572.4 | 598.7 | 615.4 |
| 67.5° | 478.5 | 476.7 | 478.5 | 498.6 | 516.2 |
| 70° | 398.6 | 399.4 | 395.1 | 407.3 | 420.5 |
| 72.5° | 332.7 | 332.7 | 323.9 | 325.7 | 336.2 |
| 75° | 271.3 | 268.6 | 259.9 | 258.1 | 260.7 |
| 77.5° | 216.8 | 212.4 | 205.4 | 200.2 | 194.0 |
| 80° | 163.3 | 159.8 | 154.5 | 146.6 | 137.8 |
| 82.5° | 114.1 | 110.6 | 107.1 | 102.7 | 93.9 |
| 85° | 65.0 | 65.0 | 64.1 | 58.8 | 52.7 |
| 87.5° | 26.3 | 25.5 | 24.6 | 23.7 | 21.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)