

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: P413234

Luminaire Tested: **24PD-60-PC3-L950**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P413234
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-46)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-60-PC3-L950
Description: 6000 LUMEN 2X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

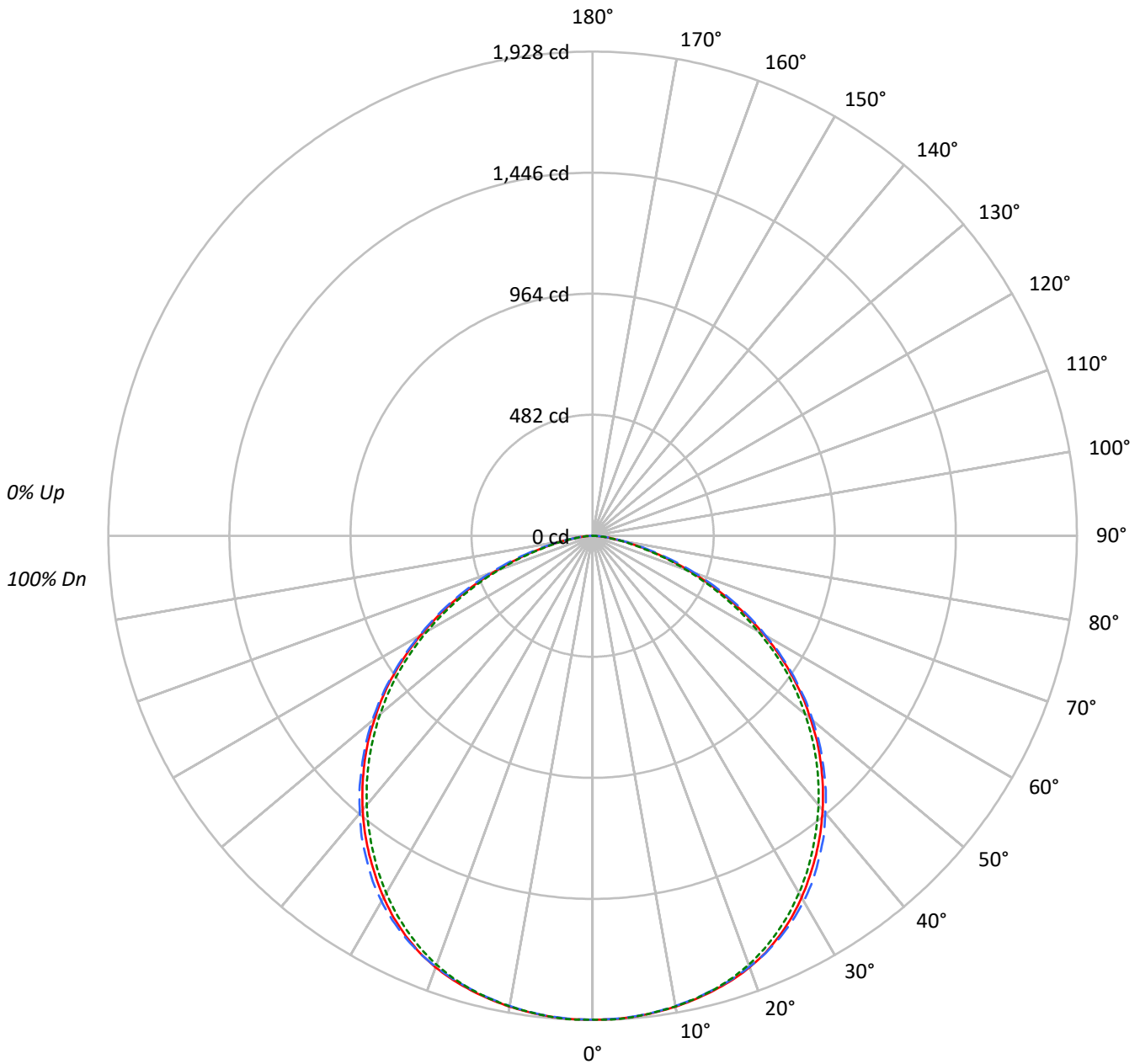
Lumens per Lamp: N/A
Luminaire Lumens: 5267.0 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 44.9
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





TEST NUMBER: P413234

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|---|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|---|
| RF | 20 | | | | | | | | | 20 | | | | | | | | | 20 | | | | | | | | | 20 | | | | | | | | | |
| RC | 80 | | | | | | | | | 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 | 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 | 99 | 96 | 93 | 95 | 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 | 63 | 57 | 81 | 71 | 63 | 57 | 68 | 61 | 56 | 66 | 60 | 55 | 64 | 59 | 54 | 52 | | | | | | | | | | | | | | | | | | | |
| 5 | 77 | 64 | 56 | 49 | 75 | 63 | 55 | 49 | 61 | 54 | 48 | 59 | 53 | 48 | 57 | 52 | 47 | 45 | | | | | | | | | | | | | | | | | | | |
| 6 | 71 | 58 | 49 | 43 | 69 | 57 | 49 | 43 | 55 | 48 | 42 | 54 | 47 | 42 | 52 | 46 | 42 | 40 | | | | | | | | | | | | | | | | | | | |
| 7 | 66 | 53 | 44 | 38 | 64 | 52 | 44 | 38 | 50 | 43 | 38 | 49 | 42 | 37 | 47 | 42 | 37 | 35 | | | | | | | | | | | | | | | | | | | |
| 8 | 61 | 48 | 40 | 34 | 60 | 47 | 39 | 34 | 46 | 39 | 34 | 45 | 38 | 33 | 44 | 38 | 33 | 31 | | | | | | | | | | | | | | | | | | | |
| 9 | 57 | 44 | 36 | 30 | 56 | 43 | 36 | 30 | 42 | 35 | 30 | 41 | 35 | 30 | 40 | 34 | 30 | 28 | | | | | | | | | | | | | | | | | | | |
| 10 | 54 | 41 | 33 | 28 | 52 | 40 | 33 | 28 | 39 | 32 | 27 | 38 | 32 | 27 | 37 | 31 | 27 | 25 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 2593 | 2593 | 2593 |
| 5° | 2596 | 2595 | 2597 |
| 10° | 2601 | 2598 | 2600 |
| 15° | 2610 | 2605 | 2605 |
| 20° | 2618 | 2615 | 2603 |
| 25° | 2611 | 2621 | 2584 |
| 30° | 2585 | 2612 | 2553 |
| 35° | 2547 | 2579 | 2508 |
| 40° | 2502 | 2532 | 2457 |
| 45° | 2446 | 2472 | 2395 |
| 50° | 2370 | 2397 | 2312 |
| 55° | 2273 | 2293 | 2205 |
| 60° | 2122 | 2146 | 2048 |
| 65° | 1912 | 1959 | 1837 |
| 70° | 1623 | 1695 | 1558 |
| 75° | 1257 | 1349 | 1199 |
| 80° | 934 | 976 | 848 |
| 85° | 577 | 618 | 536 |



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CATALOG NUMBER: 24PD-60-PC3-L950

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 182.8 | 3.5 |
| 10°-20° | 528.4 | 10.0 |
| 20°-30° | 809.3 | 15.4 |
| 30°-40° | 973.6 | 18.5 |
| 40°-50° | 992.7 | 18.8 |
| 50°-60° | 860.7 | 16.3 |
| 60°-70° | 596.7 | 11.3 |
| 70°-80° | 272.5 | 5.2 |
| 80°-90° | 50.3 | 1.0 |
| 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° | 1520.5 | 28.9 |
| 0°-40° | 2494.1 | 47.4 |
| 0°-60° | 4347.5 | 82.5 |
| 0°-90° | 5267.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 5267.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1927 | 1927 | 1927 | 1927 | 1927 | |
| 5° | 1922 | 1922 | 1921 | 1920 | 1923 | 183 |
| 15° | 1874 | 1873 | 1870 | 1868 | 1870 | 529 |
| 25° | 1759 | 1764 | 1765 | 1750 | 1741 | 810 |
| 35° | 1551 | 1567 | 1570 | 1550 | 1527 | 970 |
| 45° | 1285 | 1301 | 1299 | 1282 | 1259 | 991 |
| 55° | 969 | 975 | 977 | 953 | 940 | 863 |
| 65° | 600 | 613 | 615 | 595 | 577 | 594 |
| 75° | 242 | 255 | 259 | 251 | 231 | 264 |
| 85° | 37 | 38 | 40 | 38 | 35 | 50 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CATALOG NUMBER: 24PD-60-PC3-L950

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1926.9 | 1926.9 | 1926.9 | 1926.9 | 1926.9 |
| 2.5° | 1926.9 | 1926.9 | 1925.9 | 1924.8 | 1928.0 |
| 5° | 1922.1 | 1922.1 | 1921.1 | 1920.0 | 1922.7 |
| 7.5° | 1914.7 | 1914.1 | 1913.1 | 1912.0 | 1913.6 |
| 10° | 1904.0 | 1903.5 | 1901.3 | 1900.8 | 1902.9 |
| 12.5° | 1890.6 | 1890.1 | 1886.9 | 1886.9 | 1888.5 |
| 15° | 1873.6 | 1873.0 | 1869.8 | 1868.2 | 1870.4 |
| 17.5° | 1854.3 | 1853.8 | 1850.1 | 1845.8 | 1846.9 |
| 20° | 1828.7 | 1828.7 | 1826.1 | 1819.6 | 1818.0 |
| 22.5° | 1797.8 | 1799.4 | 1799.4 | 1787.1 | 1782.3 |
| 25° | 1758.8 | 1763.6 | 1765.2 | 1749.7 | 1740.6 |
| 27.5° | 1714.5 | 1722.0 | 1726.2 | 1706.5 | 1694.7 |
| 30° | 1663.8 | 1676.1 | 1681.4 | 1660.0 | 1643.0 |
| 32.5° | 1608.3 | 1623.8 | 1630.2 | 1609.3 | 1587.5 |
| 35° | 1550.6 | 1567.2 | 1570.4 | 1550.1 | 1527.1 |
| 37.5° | 1489.2 | 1506.3 | 1510.6 | 1492.4 | 1464.2 |
| 40° | 1424.7 | 1441.7 | 1441.7 | 1426.8 | 1399.0 |
| 42.5° | 1356.3 | 1374.5 | 1373.9 | 1355.8 | 1330.7 |
| 45° | 1285.3 | 1301.4 | 1299.2 | 1281.6 | 1258.6 |
| 47.5° | 1212.2 | 1222.4 | 1225.0 | 1204.2 | 1182.3 |
| 50° | 1132.1 | 1142.3 | 1145.0 | 1121.5 | 1104.4 |
| 52.5° | 1053.1 | 1059.5 | 1063.3 | 1036.1 | 1023.8 |
| 55° | 968.8 | 974.7 | 977.3 | 953.3 | 940.0 |
| 57.5° | 879.7 | 887.1 | 890.3 | 866.3 | 851.4 |
| 60° | 788.4 | 796.4 | 797.5 | 775.0 | 761.2 |
| 62.5° | 695.5 | 706.2 | 708.3 | 685.9 | 669.4 |
| 65° | 600.5 | 613.3 | 615.4 | 594.6 | 577.0 |
| 67.5° | 505.5 | 522.6 | 523.1 | 506.0 | 485.2 |
| 70° | 412.6 | 431.3 | 430.8 | 416.3 | 396.1 |
| 72.5° | 324.0 | 341.1 | 344.8 | 331.5 | 311.7 |
| 75° | 241.8 | 255.1 | 259.4 | 250.9 | 230.6 |
| 77.5° | 171.9 | 184.2 | 187.9 | 179.9 | 164.9 |
| 80° | 120.6 | 121.2 | 126.0 | 119.6 | 109.4 |
| 82.5° | 74.7 | 73.7 | 75.3 | 72.6 | 66.7 |
| 85° | 37.4 | 38.4 | 40.0 | 37.9 | 34.7 |
| 87.5° | 12.8 | 13.3 | 14.4 | 14.4 | 12.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







(END OF REPORT)