

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: P412892

Luminaire Tested: **24PD-60-PP3-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412892
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-60-PP3-L950
Description: 6000 LUMEN 2X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

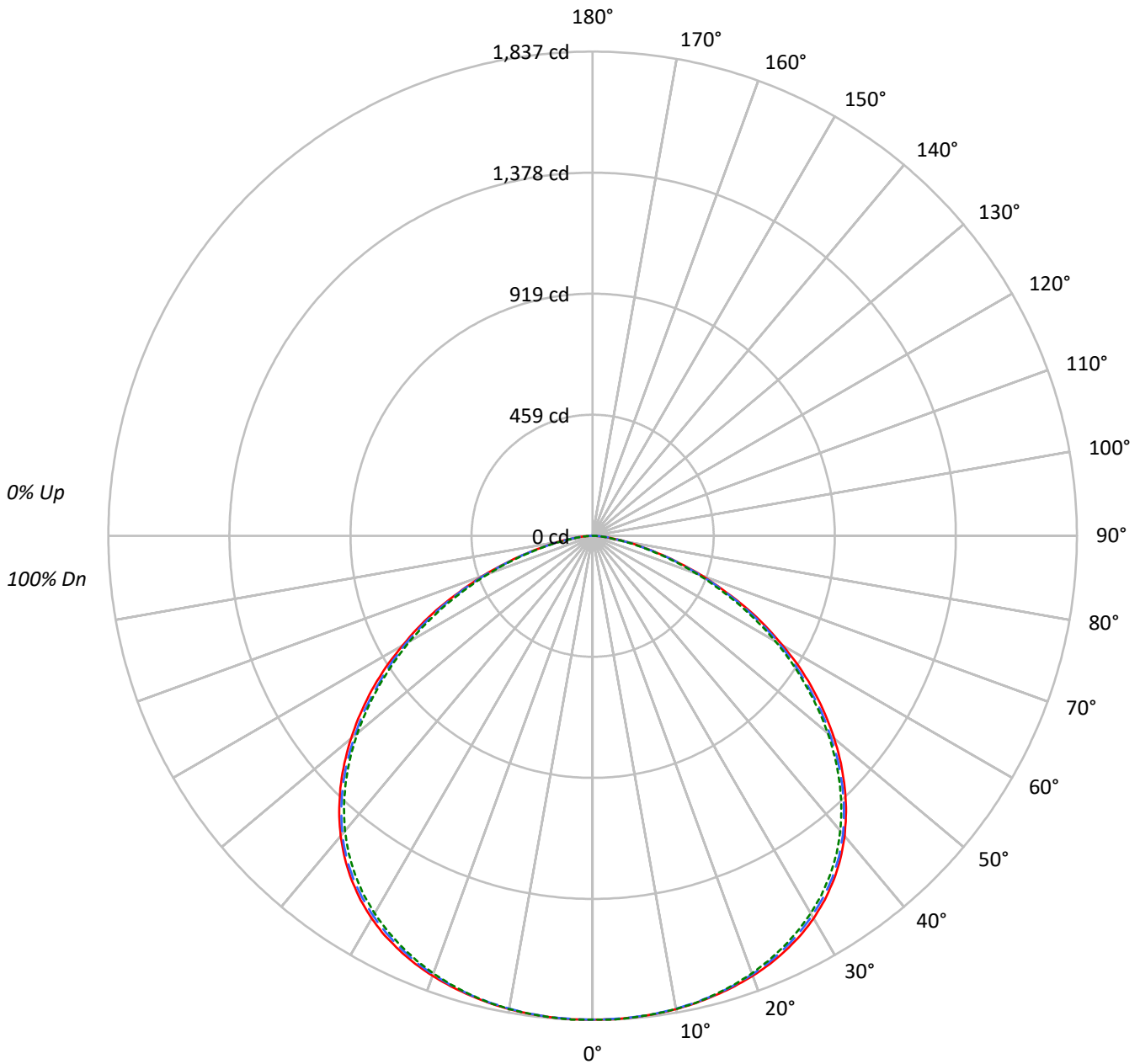
Lumens per Lamp: N/A
Luminaire Lumens: 5341.0 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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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CATALOG NUMBER: 24PD-60-PP3-L950

Luminous Intensity Polar Plot





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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 | 98 | 95 | 93 | 95 | 92 | 90 | 91 | 89 | 87 | 85 | | | | | | | | | | | | | | | | | | | |
| 2 | 100 | 92 | 85 | 80 | 97 | 90 | 84 | 79 | 86 | 81 | 77 | 83 | 79 | 75 | 80 | 77 | 74 | 71 | | | | | | | | | | | | | | | | | | | |
| 3 | 91 | 81 | 73 | 66 | 89 | 79 | 72 | 66 | 76 | 70 | 65 | 73 | 68 | 64 | 71 | 66 | 63 | 60 | | | | | | | | | | | | | | | | | | | |
| 4 | 83 | 72 | 63 | 56 | 81 | 70 | 62 | 56 | 68 | 61 | 55 | 65 | 59 | 54 | 63 | 58 | 54 | 52 | | | | | | | | | | | | | | | | | | | |
| 5 | 77 | 64 | 55 | 49 | 75 | 63 | 54 | 48 | 61 | 53 | 48 | 59 | 52 | 47 | 57 | 51 | 47 | 45 | | | | | | | | | | | | | | | | | | | |
| 6 | 71 | 58 | 49 | 42 | 69 | 57 | 48 | 42 | 55 | 47 | 42 | 53 | 46 | 41 | 52 | 46 | 41 | 39 | | | | | | | | | | | | | | | | | | | |
| 7 | 66 | 52 | 43 | 37 | 64 | 51 | 43 | 37 | 50 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 36 | 34 | | | | | | | | | | | | | | | | | | | |
| 8 | 61 | 47 | 39 | 33 | 59 | 47 | 39 | 33 | 45 | 38 | 33 | 44 | 38 | 33 | 43 | 37 | 32 | 31 | | | | | | | | | | | | | | | | | | | |
| 9 | 57 | 44 | 35 | 30 | 55 | 43 | 35 | 30 | 42 | 35 | 30 | 41 | 34 | 29 | 40 | 34 | 29 | 27 | | | | | | | | | | | | | | | | | | | |
| 10 | 53 | 40 | 32 | 27 | 52 | 40 | 32 | 27 | 39 | 32 | 27 | 38 | 31 | 27 | 37 | 31 | 27 | 25 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 2470 | 2470 | 2470 |
| 5° | 2476 | 2476 | 2477 |
| 10° | 2492 | 2489 | 2491 |
| 15° | 2514 | 2510 | 2509 |
| 20° | 2544 | 2536 | 2530 |
| 25° | 2576 | 2563 | 2551 |
| 30° | 2605 | 2586 | 2570 |
| 35° | 2619 | 2603 | 2579 |
| 40° | 2612 | 2596 | 2567 |
| 45° | 2575 | 2549 | 2521 |
| 50° | 2504 | 2463 | 2438 |
| 55° | 2400 | 2343 | 2312 |
| 60° | 2236 | 2197 | 2153 |
| 65° | 2027 | 1986 | 1929 |
| 70° | 1730 | 1699 | 1644 |
| 75° | 1351 | 1338 | 1274 |
| 80° | 996 | 955 | 902 |
| 85° | 602 | 602 | 560 |



TEST NUMBER: P412892

CATALOG NUMBER: 24PD-60-PP3-L950

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 174.6 | 3.3 |
| 10°-20° | 509.6 | 9.5 |
| 20°-30° | 796.5 | 14.9 |
| 30°-40° | 989.9 | 18.5 |
| 40°-50° | 1031.4 | 19.3 |
| 50°-60° | 895.0 | 16.8 |
| 60°-70° | 615.4 | 11.5 |
| 70°-80° | 277.7 | 5.2 |
| 80°-90° | 50.9 | 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° | 1480.7 | 27.7 |
| 0°-40° | 2470.6 | 46.3 |
| 0°-60° | 4397.0 | 82.3 |
| 0°-90° | 5341.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 5341.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1836 | 1836 | 1836 | 1836 | 1836 | |
| 5° | 1833 | 1834 | 1833 | 1831 | 1834 | 175 |
| 15° | 1805 | 1805 | 1802 | 1800 | 1801 | 510 |
| 25° | 1735 | 1735 | 1726 | 1719 | 1718 | 800 |
| 35° | 1594 | 1594 | 1585 | 1576 | 1570 | 996 |
| 45° | 1353 | 1354 | 1340 | 1330 | 1325 | 1041 |
| 55° | 1023 | 1017 | 999 | 987 | 986 | 912 |
| 65° | 637 | 634 | 624 | 609 | 606 | 628 |
| 75° | 260 | 261 | 257 | 250 | 245 | 283 |
| 85° | 39 | 38 | 39 | 38 | 36 | 53 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P412892

CATALOG NUMBER: 24PD-60-PP3-L950

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1835.5 | 1835.5 | 1835.5 | 1835.5 | 1835.5 |
| 2.5° | 1836.1 | 1836.1 | 1835.0 | 1833.4 | 1837.1 |
| 5° | 1833.4 | 1833.9 | 1832.9 | 1831.3 | 1833.9 |
| 7.5° | 1829.7 | 1830.2 | 1828.6 | 1827.0 | 1829.1 |
| 10° | 1823.8 | 1823.3 | 1821.7 | 1820.6 | 1823.3 |
| 12.5° | 1815.3 | 1814.7 | 1813.1 | 1812.1 | 1814.2 |
| 15° | 1804.6 | 1804.6 | 1801.9 | 1800.3 | 1800.9 |
| 17.5° | 1791.8 | 1791.8 | 1788.0 | 1784.3 | 1785.4 |
| 20° | 1776.8 | 1776.3 | 1771.0 | 1767.2 | 1766.7 |
| 22.5° | 1758.2 | 1758.2 | 1750.7 | 1745.9 | 1744.3 |
| 25° | 1735.2 | 1734.7 | 1726.1 | 1719.2 | 1718.1 |
| 27.5° | 1709.0 | 1708.0 | 1697.8 | 1690.9 | 1688.2 |
| 30° | 1676.5 | 1675.4 | 1664.7 | 1657.3 | 1654.1 |
| 32.5° | 1638.1 | 1639.7 | 1627.4 | 1618.8 | 1615.6 |
| 35° | 1594.3 | 1594.3 | 1584.7 | 1575.6 | 1570.3 |
| 37.5° | 1544.1 | 1544.1 | 1535.0 | 1526.0 | 1519.6 |
| 40° | 1487.0 | 1487.5 | 1477.9 | 1466.7 | 1461.4 |
| 42.5° | 1423.0 | 1424.0 | 1411.2 | 1402.1 | 1396.3 |
| 45° | 1353.0 | 1353.6 | 1339.7 | 1329.6 | 1324.8 |
| 47.5° | 1277.2 | 1276.2 | 1260.7 | 1252.2 | 1247.4 |
| 50° | 1196.1 | 1194.0 | 1176.9 | 1168.9 | 1164.6 |
| 52.5° | 1111.3 | 1107.0 | 1092.0 | 1080.3 | 1076.6 |
| 55° | 1023.2 | 1017.3 | 998.6 | 986.9 | 985.8 |
| 57.5° | 931.4 | 924.4 | 909.0 | 897.8 | 893.5 |
| 60° | 831.0 | 829.4 | 816.6 | 803.3 | 800.1 |
| 62.5° | 737.1 | 732.3 | 721.1 | 705.1 | 703.5 |
| 65° | 636.8 | 634.1 | 623.9 | 609.0 | 605.8 |
| 67.5° | 533.2 | 535.9 | 527.3 | 514.0 | 509.7 |
| 70° | 439.8 | 441.4 | 431.8 | 419.5 | 417.9 |
| 72.5° | 345.9 | 348.5 | 340.5 | 332.5 | 330.9 |
| 75° | 259.9 | 261.0 | 257.3 | 250.3 | 245.0 |
| 77.5° | 184.7 | 188.4 | 184.1 | 179.3 | 175.1 |
| 80° | 128.6 | 122.8 | 123.3 | 121.2 | 116.4 |
| 82.5° | 77.4 | 74.7 | 74.2 | 72.1 | 69.9 |
| 85° | 39.0 | 38.4 | 39.0 | 38.4 | 36.3 |
| 87.5° | 12.8 | 13.9 | 14.4 | 14.4 | 13.3 |
| 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)