

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: P413230

Luminaire Tested: **24PD-60-PC3-L927**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413230
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-L927
Description: 6000 LUMEN 2X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS
Light Source: -
Ballast/Driver: -

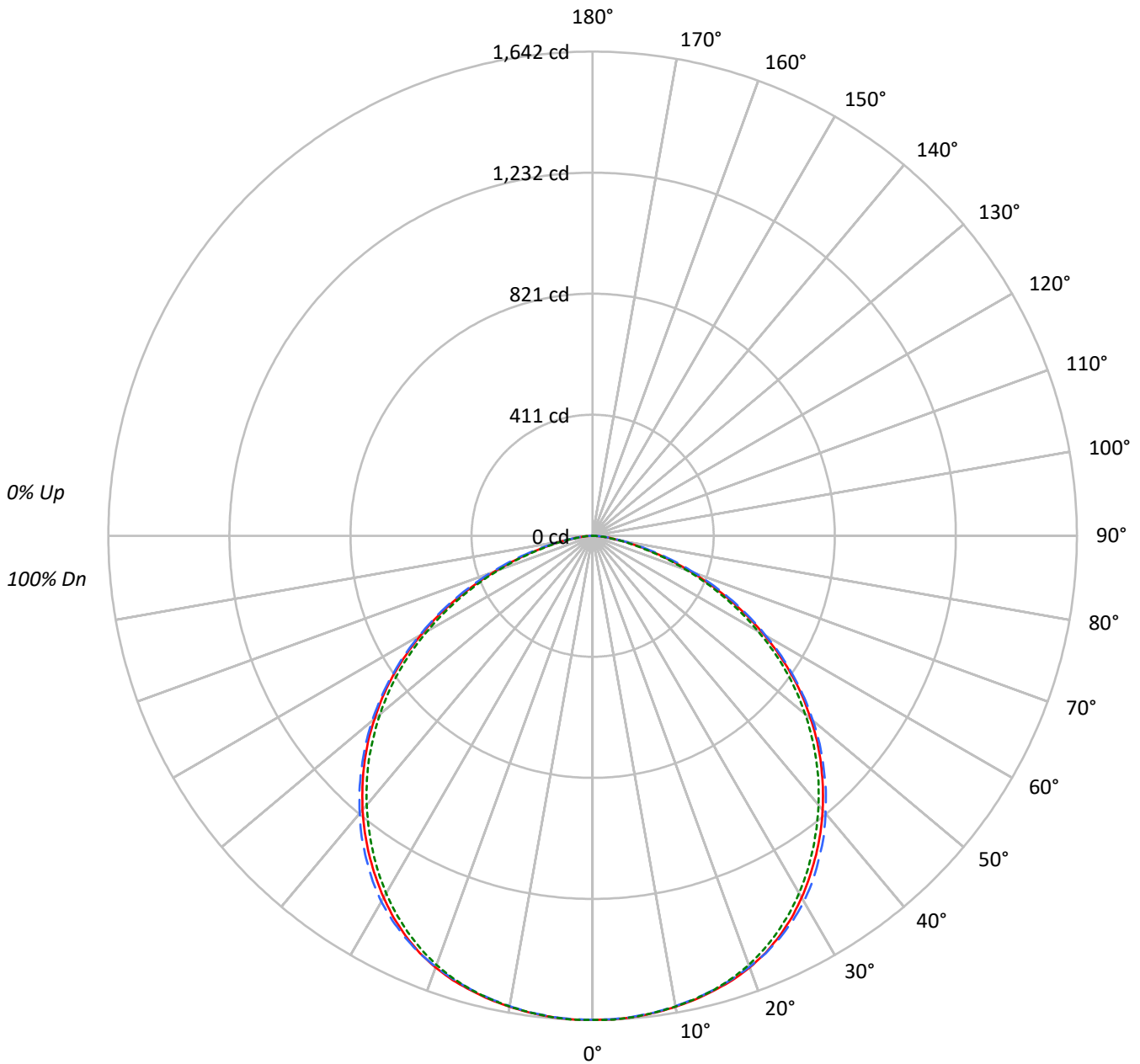
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4487.0 lumens
Efficiency: N/A
Efficacy: 99.9 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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CATALOG NUMBER: 24PD-60-PC3-L927

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 | 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° | 2209 | 2209 | 2209 |
| 5° | 2212 | 2210 | 2212 |
| 10° | 2216 | 2213 | 2215 |
| 15° | 2223 | 2219 | 2220 |
| 20° | 2231 | 2227 | 2218 |
| 25° | 2224 | 2233 | 2201 |
| 30° | 2202 | 2225 | 2175 |
| 35° | 2170 | 2197 | 2137 |
| 40° | 2132 | 2157 | 2093 |
| 45° | 2084 | 2106 | 2040 |
| 50° | 2019 | 2042 | 1969 |
| 55° | 1936 | 1953 | 1879 |
| 60° | 1807 | 1828 | 1745 |
| 65° | 1629 | 1669 | 1565 |
| 70° | 1383 | 1444 | 1327 |
| 75° | 1071 | 1149 | 1021 |
| 80° | 797 | 831 | 722 |
| 85° | 491 | 526 | 457 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 155.7 | 3.5 |
| 10°-20° | 450.2 | 10.0 |
| 20°-30° | 689.4 | 15.4 |
| 30°-40° | 829.4 | 18.5 |
| 40°-50° | 845.7 | 18.8 |
| 50°-60° | 733.2 | 16.3 |
| 60°-70° | 508.3 | 11.3 |
| 70°-80° | 232.2 | 5.2 |
| 80°-90° | 42.9 | 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° | 1295.3 | 28.9 |
| 0°-40° | 2124.7 | 47.4 |
| 0°-60° | 3703.6 | 82.5 |
| 0°-90° | 4487.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 4487.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1642 | 1642 | 1642 | 1642 | 1642 | |
| 5° | 1638 | 1638 | 1637 | 1636 | 1638 | 156 |
| 15° | 1596 | 1596 | 1593 | 1592 | 1593 | 451 |
| 25° | 1498 | 1502 | 1504 | 1491 | 1483 | 690 |
| 35° | 1321 | 1335 | 1338 | 1320 | 1301 | 826 |
| 45° | 1095 | 1109 | 1107 | 1092 | 1072 | 844 |
| 55° | 825 | 830 | 833 | 812 | 801 | 735 |
| 65° | 512 | 522 | 524 | 507 | 492 | 506 |
| 75° | 206 | 217 | 221 | 214 | 196 | 225 |
| 85° | 32 | 33 | 34 | 32 | 30 | 43 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1641.6 | 1641.6 | 1641.6 | 1641.6 | 1641.6 |
| 2.5° | 1641.6 | 1641.6 | 1640.7 | 1639.8 | 1642.5 |
| 5° | 1637.5 | 1637.5 | 1636.6 | 1635.7 | 1637.9 |
| 7.5° | 1631.1 | 1630.7 | 1629.8 | 1628.8 | 1630.2 |
| 10° | 1622.0 | 1621.6 | 1619.7 | 1619.3 | 1621.1 |
| 12.5° | 1610.7 | 1610.2 | 1607.5 | 1607.5 | 1608.8 |
| 15° | 1596.1 | 1595.6 | 1592.9 | 1591.6 | 1593.4 |
| 17.5° | 1579.7 | 1579.3 | 1576.1 | 1572.5 | 1573.4 |
| 20° | 1557.9 | 1557.9 | 1555.6 | 1550.2 | 1548.8 |
| 22.5° | 1531.5 | 1532.9 | 1532.9 | 1522.4 | 1518.3 |
| 25° | 1498.3 | 1502.4 | 1503.8 | 1490.6 | 1482.9 |
| 27.5° | 1460.6 | 1467.0 | 1470.6 | 1453.8 | 1443.8 |
| 30° | 1417.4 | 1427.9 | 1432.4 | 1414.2 | 1399.7 |
| 32.5° | 1370.1 | 1383.3 | 1388.7 | 1371.0 | 1352.4 |
| 35° | 1321.0 | 1335.1 | 1337.8 | 1320.5 | 1301.0 |
| 37.5° | 1268.7 | 1283.2 | 1286.9 | 1271.4 | 1247.3 |
| 40° | 1213.7 | 1228.2 | 1228.2 | 1215.5 | 1191.8 |
| 42.5° | 1155.5 | 1170.9 | 1170.5 | 1155.0 | 1133.6 |
| 45° | 1095.0 | 1108.6 | 1106.8 | 1091.8 | 1072.3 |
| 47.5° | 1032.7 | 1041.3 | 1043.6 | 1025.9 | 1007.2 |
| 50° | 964.5 | 973.1 | 975.4 | 955.4 | 940.8 |
| 52.5° | 897.2 | 902.6 | 905.8 | 882.6 | 872.2 |
| 55° | 825.3 | 830.3 | 832.6 | 812.1 | 800.8 |
| 57.5° | 749.4 | 755.8 | 758.5 | 738.0 | 725.3 |
| 60° | 671.6 | 678.5 | 679.4 | 660.3 | 648.4 |
| 62.5° | 592.5 | 601.6 | 603.4 | 584.3 | 570.2 |
| 65° | 511.6 | 522.5 | 524.3 | 506.6 | 491.6 |
| 67.5° | 430.6 | 445.2 | 445.6 | 431.1 | 413.3 |
| 70° | 351.5 | 367.4 | 367.0 | 354.7 | 337.4 |
| 72.5° | 276.0 | 290.6 | 293.8 | 282.4 | 265.6 |
| 75° | 206.0 | 217.4 | 221.0 | 213.7 | 196.4 |
| 77.5° | 146.4 | 156.9 | 160.1 | 153.2 | 140.5 |
| 80° | 102.8 | 103.2 | 107.3 | 101.9 | 93.2 |
| 82.5° | 63.7 | 62.8 | 64.1 | 61.8 | 56.8 |
| 85° | 31.8 | 32.7 | 34.1 | 32.3 | 29.6 |
| 87.5° | 10.9 | 11.4 | 12.3 | 12.3 | 10.9 |
| 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)