

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: P302400

Luminaire Tested: **RX-WO-75L935-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302400
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-41)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-75L935-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (392)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

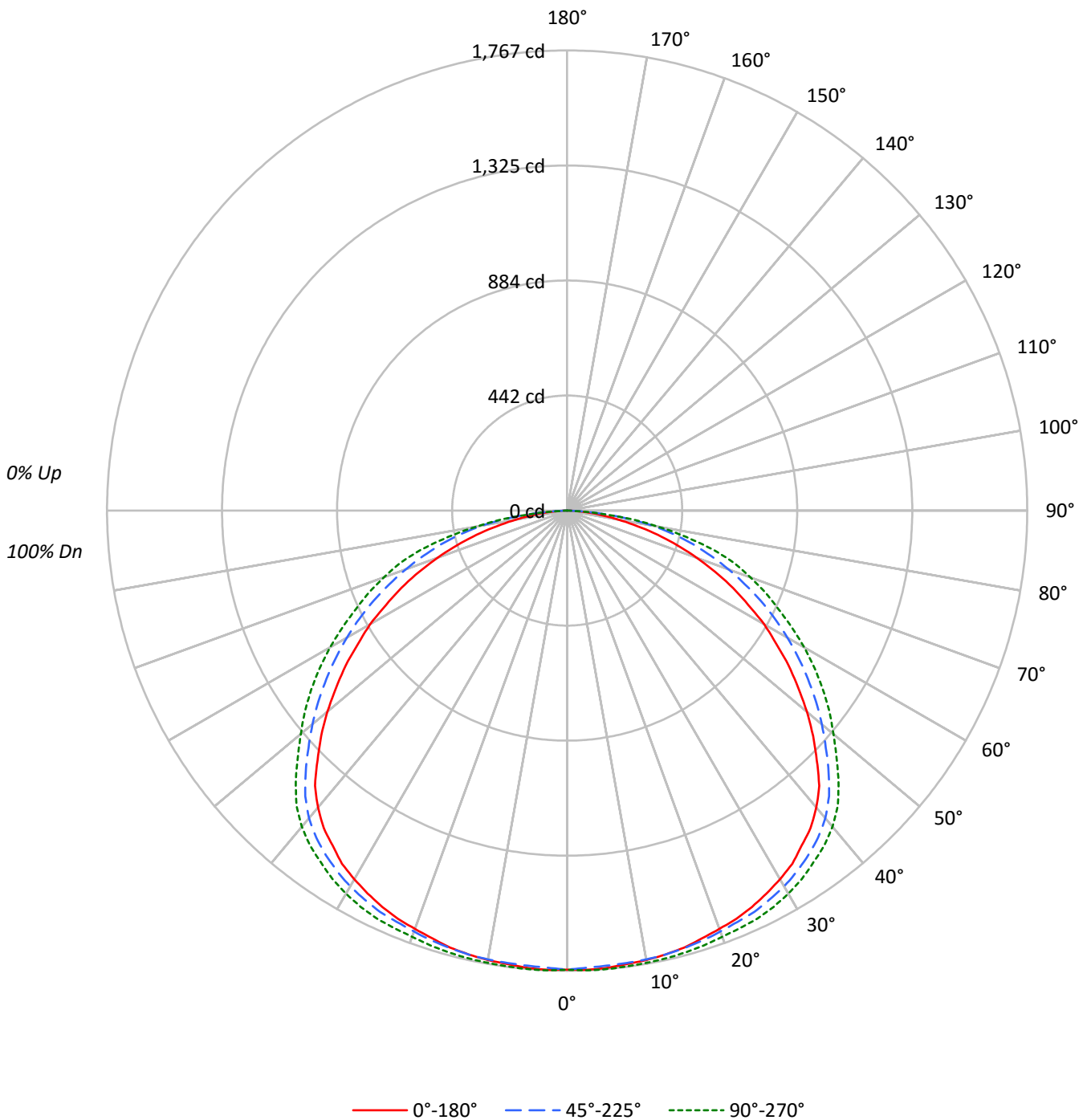
Lumens per Lamp: N/A
Luminaire Lumens: 6003.4 lumens
Efficiency: N/A
Efficacy: 108.4 lumens/watt
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 55.4
Input Voltage (V): 120
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 | 108 | 103 | 98 | 94 | 105 | 101 | 97 | 93 | 96 | 93 | 90 | | 93 | 90 | 87 | | 89 | 87 | 85 | 82 |
| 2 | 98 | 89 | 82 | 76 | 95 | 87 | 81 | 75 | 84 | 78 | 73 | | 80 | 76 | 71 | | 77 | 73 | 70 | 68 |
| 3 | 89 | 78 | 69 | 62 | 86 | 76 | 68 | 62 | 73 | 66 | 61 | | 70 | 64 | 59 | | 68 | 63 | 58 | 56 |
| 4 | 81 | 68 | 59 | 52 | 79 | 67 | 58 | 52 | 64 | 57 | 51 | | 62 | 56 | 50 | | 60 | 54 | 50 | 47 |
| 5 | 74 | 61 | 51 | 45 | 72 | 60 | 51 | 44 | 58 | 50 | 44 | | 55 | 49 | 43 | | 54 | 48 | 43 | 41 |
| 6 | 68 | 55 | 45 | 39 | 66 | 54 | 45 | 38 | 52 | 44 | 38 | | 50 | 43 | 38 | | 48 | 42 | 37 | 35 |
| 7 | 63 | 49 | 40 | 34 | 61 | 48 | 40 | 34 | 47 | 39 | 33 | | 45 | 38 | 33 | | 44 | 38 | 33 | 31 |
| 8 | 59 | 45 | 36 | 30 | 57 | 44 | 36 | 30 | 43 | 35 | 30 | | 41 | 35 | 30 | | 40 | 34 | 29 | 27 |
| 9 | 55 | 41 | 33 | 27 | 53 | 40 | 32 | 27 | 39 | 32 | 27 | | 38 | 31 | 26 | | 37 | 31 | 26 | 24 |
| 10 | 51 | 38 | 30 | 24 | 50 | 37 | 29 | 24 | 36 | 29 | 24 | | 35 | 29 | 24 | | 34 | 28 | 24 | 22 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 2372 | 2372 | 2372 |
| 5° | 2381 | 2370 | 2387 |
| 10° | 2394 | 2391 | 2409 |
| 15° | 2420 | 2423 | 2447 |
| 20° | 2448 | 2463 | 2494 |
| 25° | 2493 | 2525 | 2566 |
| 30° | 2539 | 2589 | 2639 |
| 35° | 2579 | 2653 | 2709 |
| 40° | 2615 | 2709 | 2784 |
| 45° | 2580 | 2702 | 2804 |
| 50° | 2515 | 2672 | 2793 |
| 55° | 2437 | 2648 | 2814 |
| 60° | 2352 | 2629 | 2830 |
| 65° | 2237 | 2612 | 2851 |
| 70° | 2081 | 2596 | 2941 |
| 75° | 1871 | 2606 | 3018 |
| 80° | 1543 | 2572 | 2755 |
| 85° | 1124 | 1917 | 1786 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 168.0 | 2.8 |
| 10°-20° | 493.6 | 8.2 |
| 20°-30° | 786.2 | 13.1 |
| 30°-40° | 1010.7 | 16.8 |
| 40°-50° | 1093.0 | 18.2 |
| 50°-60° | 1005.4 | 16.7 |
| 60°-70° | 801.5 | 13.4 |
| 70°-80° | 509.2 | 8.5 |
| 80°-90° | 135.7 | 2.3 |
| 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° | 1447.8 | 24.1 |
| 0°-40° | 2458.6 | 41.0 |
| 0°-60° | 4556.9 | 75.9 |
| 0°-90° | 6003.4 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 6003.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1763 | 1763 | 1763 | 1763 | 1763 | |
| 5° | 1763 | 1763 | 1754 | 1765 | 1767 | 168 |
| 15° | 1737 | 1739 | 1739 | 1754 | 1756 | 491 |
| 25° | 1679 | 1686 | 1701 | 1720 | 1729 | 775 |
| 35° | 1570 | 1587 | 1615 | 1645 | 1649 | 984 |
| 45° | 1356 | 1380 | 1420 | 1459 | 1474 | 1045 |
| 55° | 1039 | 1069 | 1129 | 1180 | 1200 | 927 |
| 65° | 703 | 739 | 820 | 880 | 895 | 693 |
| 75° | 360 | 411 | 501 | 568 | 580 | 381 |
| 85° | 73 | 114 | 124 | 124 | 116 | 91 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P302400

CATALOG NUMBER: RX-WO-75L935-UNV-24-STD

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1762.9 | 1762.9 | 1762.9 | 1762.9 | 1762.9 |
| 2.5° | 1765.1 | 1765.1 | 1756.5 | 1767.2 | 1767.2 |
| 5° | 1762.9 | 1762.9 | 1754.4 | 1765.1 | 1767.2 |
| 7.5° | 1756.5 | 1758.6 | 1752.2 | 1762.9 | 1765.1 |
| 10° | 1752.2 | 1754.4 | 1750.1 | 1760.8 | 1762.9 |
| 12.5° | 1745.8 | 1747.9 | 1745.8 | 1758.6 | 1760.8 |
| 15° | 1737.2 | 1739.4 | 1739.4 | 1754.4 | 1756.5 |
| 17.5° | 1722.2 | 1726.5 | 1730.8 | 1747.9 | 1750.1 |
| 20° | 1709.4 | 1713.7 | 1720.1 | 1739.4 | 1741.5 |
| 22.5° | 1696.5 | 1700.8 | 1709.4 | 1732.9 | 1735.1 |
| 25° | 1679.4 | 1685.8 | 1700.8 | 1720.1 | 1728.7 |
| 27.5° | 1658.0 | 1670.8 | 1683.7 | 1707.2 | 1715.8 |
| 30° | 1634.4 | 1647.3 | 1666.5 | 1692.2 | 1698.7 |
| 32.5° | 1608.7 | 1621.6 | 1643.0 | 1670.8 | 1677.3 |
| 35° | 1570.1 | 1587.3 | 1615.1 | 1645.1 | 1649.4 |
| 37.5° | 1535.9 | 1553.0 | 1583.0 | 1615.1 | 1621.6 |
| 40° | 1488.7 | 1510.2 | 1542.3 | 1572.3 | 1585.1 |
| 42.5° | 1433.1 | 1454.5 | 1488.7 | 1525.2 | 1538.0 |
| 45° | 1355.9 | 1379.5 | 1420.2 | 1458.8 | 1473.8 |
| 47.5° | 1281.0 | 1302.4 | 1347.4 | 1392.4 | 1403.1 |
| 50° | 1201.7 | 1227.4 | 1276.7 | 1323.8 | 1334.5 |
| 52.5° | 1118.2 | 1150.3 | 1203.9 | 1253.1 | 1270.3 |
| 55° | 1038.9 | 1068.9 | 1128.9 | 1180.3 | 1199.6 |
| 57.5° | 951.1 | 987.5 | 1053.9 | 1109.6 | 1126.7 |
| 60° | 874.0 | 906.1 | 976.8 | 1034.6 | 1051.8 |
| 62.5° | 784.0 | 822.6 | 899.7 | 957.5 | 972.5 |
| 65° | 702.6 | 739.0 | 820.4 | 880.4 | 895.4 |
| 67.5° | 614.8 | 657.6 | 739.0 | 801.1 | 824.7 |
| 70° | 529.1 | 574.1 | 659.8 | 724.0 | 747.6 |
| 72.5° | 443.4 | 492.7 | 578.4 | 644.8 | 674.8 |
| 75° | 359.9 | 411.3 | 501.2 | 567.7 | 580.5 |
| 77.5° | 276.3 | 334.2 | 419.8 | 467.0 | 467.0 |
| 80° | 199.2 | 257.0 | 332.0 | 344.9 | 355.6 |
| 82.5° | 132.8 | 186.4 | 227.1 | 239.9 | 242.1 |
| 85° | 72.8 | 113.5 | 124.2 | 124.2 | 115.7 |
| 87.5° | 27.8 | 36.4 | 25.7 | 12.9 | 8.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)