

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: P302278

Luminaire Tested: **RX-WO-60H935-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302278  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: RX-WO-60H935-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (588)3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

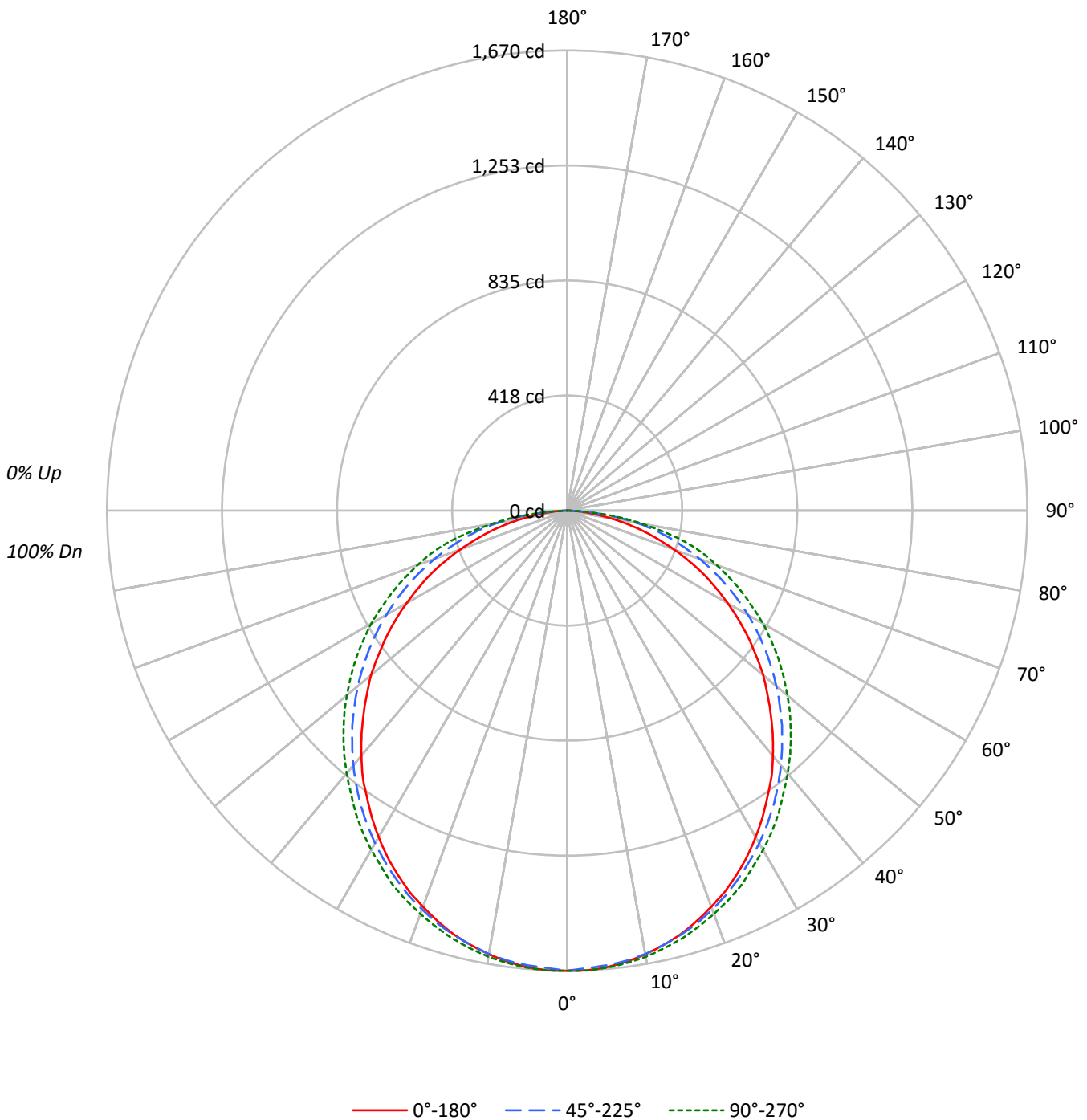
Lumens per Lamp: N/A  
Luminaire Lumens: 4862.1 lumens  
Efficiency: N/A  
Efficacy: 117.2 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 41.5  
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  | 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 |    |    |    |    | 100 |   |  |   |
| 1   | 108 | 103 | 99  | 95  | 106 | 101 | 97  | 93  | 97  | 93  | 90  | 93  | 90  | 88  | 89  | 87  | 85  | 83  |    |    |    |    | 83  |   |  |   |
| 2   | 98  | 90  | 83  | 77  | 96  | 88  | 81  | 76  | 84  | 79  | 74  | 81  | 76  | 72  | 78  | 74  | 71  | 68  |    |    |    |    | 68  |   |  |   |
| 3   | 89  | 78  | 70  | 63  | 87  | 77  | 69  | 63  | 74  | 67  | 62  | 71  | 65  | 61  | 68  | 64  | 60  | 57  |    |    |    |    | 57  |   |  |   |
| 4   | 82  | 69  | 60  | 54  | 79  | 68  | 60  | 53  | 65  | 58  | 52  | 63  | 57  | 52  | 61  | 55  | 51  | 49  |    |    |    |    | 49  |   |  |   |
| 5   | 75  | 62  | 53  | 46  | 73  | 61  | 52  | 46  | 59  | 51  | 45  | 57  | 50  | 45  | 55  | 49  | 44  | 42  |    |    |    |    | 42  |   |  |   |
| 6   | 69  | 56  | 47  | 40  | 67  | 55  | 46  | 40  | 53  | 45  | 39  | 51  | 44  | 39  | 50  | 44  | 39  | 37  |    |    |    |    | 37  |   |  |   |
| 7   | 64  | 50  | 42  | 35  | 62  | 50  | 41  | 35  | 48  | 40  | 35  | 47  | 40  | 35  | 45  | 39  | 34  | 32  |    |    |    |    | 32  |   |  |   |
| 8   | 60  | 46  | 37  | 31  | 58  | 45  | 37  | 31  | 44  | 36  | 31  | 43  | 36  | 31  | 42  | 35  | 31  | 29  |    |    |    |    | 29  |   |  |   |
| 9   | 56  | 42  | 34  | 28  | 54  | 42  | 34  | 28  | 40  | 33  | 28  | 39  | 33  | 28  | 38  | 32  | 28  | 26  |    |    |    |    | 26  |   |  |   |
| 10  | 52  | 39  | 31  | 26  | 51  | 38  | 31  | 26  | 37  | 30  | 25  | 36  | 30  | 25  | 36  | 30  | 25  | 23  |    |    |    |    | 23  |   |  |   |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 2248 | 2248 | 2248 |
| 5°  | 2247 | 2237 | 2249 |
| 10° | 2235 | 2232 | 2247 |
| 15° | 2218 | 2220 | 2240 |
| 20° | 2190 | 2205 | 2230 |
| 25° | 2163 | 2186 | 2225 |
| 30° | 2126 | 2166 | 2209 |
| 35° | 2082 | 2145 | 2199 |
| 40° | 2040 | 2120 | 2187 |
| 45° | 1989 | 2098 | 2184 |
| 50° | 1945 | 2075 | 2184 |
| 55° | 1882 | 2057 | 2195 |
| 60° | 1813 | 2042 | 2210 |
| 65° | 1741 | 2023 | 2228 |
| 70° | 1626 | 2008 | 2268 |
| 75° | 1481 | 2013 | 2338 |
| 80° | 1224 | 1991 | 2152 |
| 85° | 939  | 1581 | 1528 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 157.9  | 3.2       |
| 10°-20°   | 451.0  | 9.3       |
| 20°-30°   | 680.3  | 14.0      |
| 30°-40°   | 816.7  | 16.8      |
| 40°-50°   | 849.4  | 17.5      |
| 50°-60°   | 781.2  | 16.1      |
| 60°-70°   | 622.6  | 12.8      |
| 70°-80°   | 394.5  | 8.1       |
| 80°-90°   | 108.5  | 2.2       |
| 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°    | 1289.2 | 26.5      |
| 0°-40°    | 2105.9 | 43.3      |
| 0°-60°    | 3736.5 | 76.8      |
| 0°-90°    | 4862.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4862.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1670 | 1670  | 1670 | 1670  | 1670 |      |
| 5°  | 1663 | 1663  | 1656 | 1665  | 1665 | 158  |
| 15° | 1592 | 1592  | 1594 | 1606  | 1608 | 449  |
| 25° | 1457 | 1464  | 1472 | 1493  | 1498 | 671  |
| 35° | 1268 | 1281  | 1306 | 1330  | 1339 | 794  |
| 45° | 1045 | 1068  | 1103 | 1137  | 1148 | 807  |
| 55° | 802  | 828   | 877  | 920   | 936  | 717  |
| 65° | 547  | 575   | 636  | 684   | 700  | 539  |
| 75° | 285  | 321   | 387  | 436   | 450  | 300  |
| 85° | 61   | 87    | 102  | 101   | 99   | 73   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1670.4 | 1670.4 | 1670.4 | 1670.4 | 1670.4 |
| 2.5°  | 1670.4 | 1670.4 | 1661.7 | 1670.4 | 1670.4 |
| 5°    | 1663.4 | 1663.4 | 1656.5 | 1665.2 | 1665.2 |
| 7.5°  | 1651.3 | 1653.0 | 1647.8 | 1656.5 | 1656.5 |
| 10°   | 1635.7 | 1637.4 | 1633.9 | 1644.3 | 1644.3 |
| 12.5° | 1614.8 | 1616.6 | 1614.8 | 1627.0 | 1627.0 |
| 15°   | 1592.3 | 1592.3 | 1594.0 | 1606.1 | 1607.9 |
| 17.5° | 1562.7 | 1566.2 | 1569.7 | 1583.6 | 1583.6 |
| 20°   | 1529.7 | 1535.0 | 1540.2 | 1557.5 | 1557.5 |
| 22.5° | 1496.8 | 1502.0 | 1508.9 | 1526.3 | 1529.7 |
| 25°   | 1456.8 | 1463.8 | 1472.4 | 1493.3 | 1498.5 |
| 27.5° | 1415.1 | 1420.4 | 1434.2 | 1456.8 | 1458.6 |
| 30°   | 1368.3 | 1376.9 | 1394.3 | 1416.9 | 1422.1 |
| 32.5° | 1319.6 | 1331.8 | 1350.9 | 1376.9 | 1382.2 |
| 35°   | 1267.6 | 1281.4 | 1305.8 | 1330.1 | 1338.7 |
| 37.5° | 1218.9 | 1229.4 | 1257.1 | 1284.9 | 1290.1 |
| 40°   | 1161.6 | 1177.3 | 1206.8 | 1238.0 | 1245.0 |
| 42.5° | 1104.3 | 1121.7 | 1154.7 | 1185.9 | 1198.1 |
| 45°   | 1045.3 | 1067.9 | 1102.6 | 1137.3 | 1147.7 |
| 47.5° | 986.3  | 1010.6 | 1047.0 | 1085.2 | 1097.4 |
| 50°   | 929.0  | 951.5  | 991.5  | 1031.4 | 1043.6 |
| 52.5° | 864.7  | 890.8  | 934.2  | 977.6  | 989.7  |
| 55°   | 802.2  | 828.2  | 876.9  | 920.3  | 935.9  |
| 57.5° | 738.0  | 767.5  | 817.8  | 863.0  | 876.9  |
| 60°   | 673.7  | 705.0  | 758.8  | 803.9  | 821.3  |
| 62.5° | 609.5  | 639.0  | 698.0  | 743.2  | 758.8  |
| 65°   | 547.0  | 574.7  | 635.5  | 684.1  | 699.8  |
| 67.5° | 479.2  | 510.5  | 573.0  | 623.4  | 637.2  |
| 70°   | 413.3  | 444.5  | 510.5  | 562.6  | 576.5  |
| 72.5° | 345.5  | 382.0  | 448.0  | 498.3  | 517.4  |
| 75°   | 284.8  | 321.2  | 387.2  | 435.8  | 449.7  |
| 77.5° | 220.5  | 257.0  | 324.7  | 359.4  | 361.2  |
| 80°   | 158.0  | 199.7  | 257.0  | 270.9  | 277.8  |
| 82.5° | 104.2  | 144.1  | 177.1  | 194.5  | 194.5  |
| 85°   | 60.8   | 86.8   | 102.4  | 100.7  | 99.0   |
| 87.5° | 22.6   | 29.5   | 24.3   | 17.4   | 12.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)