

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: P302243

Luminaire Tested: **RX-WO-35H835-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302243  
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-35H835-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (252)3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

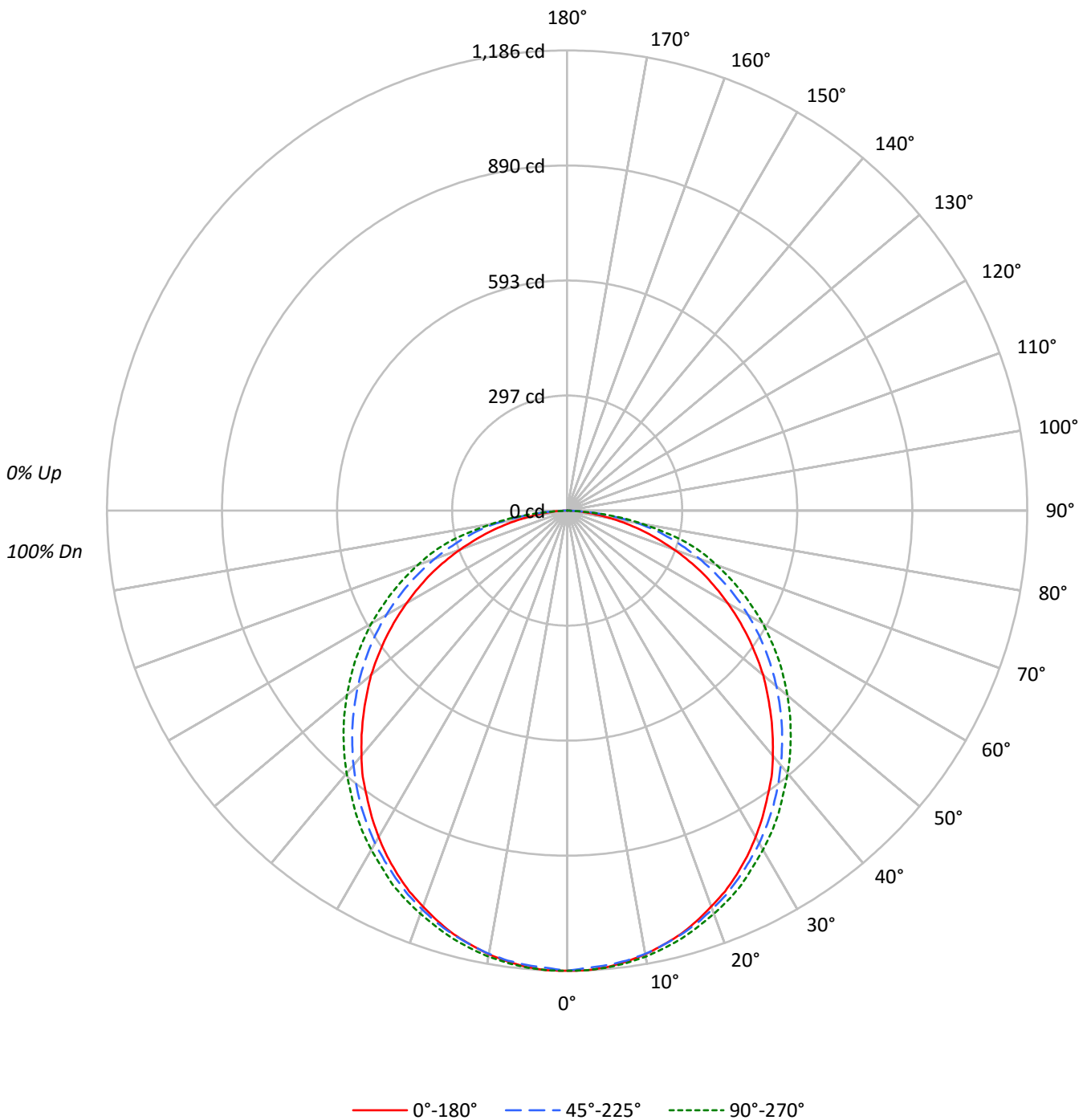
Lumens per Lamp: N/A  
Luminaire Lumens: 3452.1 lumens  
Efficiency: N/A  
Efficacy: 134.8 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 25.6  
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 | 99  | 95  | 106 | 101 | 97  | 93  | 97  | 93  | 90  | 93  | 90  | 88  | 89  | 87  | 85  | 83  |
| 2   | 98  | 90  | 83  | 77  | 96  | 88  | 81  | 76  | 84  | 79  | 74  | 81  | 76  | 72  | 78  | 74  | 71  | 68  |
| 3   | 89  | 78  | 70  | 63  | 87  | 77  | 69  | 63  | 74  | 67  | 62  | 71  | 65  | 61  | 68  | 64  | 60  | 57  |
| 4   | 82  | 69  | 60  | 54  | 79  | 68  | 60  | 53  | 65  | 58  | 52  | 63  | 57  | 52  | 61  | 55  | 51  | 49  |
| 5   | 75  | 62  | 53  | 46  | 73  | 61  | 52  | 46  | 59  | 51  | 45  | 57  | 50  | 45  | 55  | 49  | 44  | 42  |
| 6   | 69  | 56  | 47  | 40  | 67  | 55  | 46  | 40  | 53  | 45  | 39  | 51  | 44  | 39  | 50  | 44  | 39  | 37  |
| 7   | 64  | 50  | 42  | 35  | 62  | 50  | 41  | 35  | 48  | 40  | 35  | 47  | 40  | 35  | 45  | 39  | 34  | 32  |
| 8   | 60  | 46  | 37  | 31  | 58  | 45  | 37  | 31  | 44  | 36  | 31  | 43  | 36  | 31  | 42  | 35  | 31  | 29  |
| 9   | 56  | 42  | 34  | 28  | 54  | 42  | 34  | 28  | 40  | 33  | 28  | 39  | 33  | 28  | 38  | 32  | 28  | 26  |
| 10  | 52  | 39  | 31  | 26  | 51  | 38  | 31  | 26  | 37  | 30  | 25  | 36  | 30  | 25  | 36  | 30  | 25  | 23  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 1596 | 1596 | 1596 |
| 5°  | 1595 | 1588 | 1597 |
| 10° | 1587 | 1585 | 1595 |
| 15° | 1575 | 1576 | 1590 |
| 20° | 1555 | 1566 | 1583 |
| 25° | 1536 | 1552 | 1579 |
| 30° | 1509 | 1538 | 1569 |
| 35° | 1478 | 1523 | 1561 |
| 40° | 1449 | 1505 | 1552 |
| 45° | 1412 | 1490 | 1551 |
| 50° | 1381 | 1473 | 1551 |
| 55° | 1336 | 1460 | 1559 |
| 60° | 1287 | 1450 | 1569 |
| 65° | 1236 | 1436 | 1582 |
| 70° | 1154 | 1426 | 1610 |
| 75° | 1051 | 1429 | 1660 |
| 80° | 869  | 1414 | 1529 |
| 85° | 665  | 1122 | 1085 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 112.1  | 3.2       |
| 10°-20°   | 320.2  | 9.3       |
| 20°-30°   | 483.0  | 14.0      |
| 30°-40°   | 579.9  | 16.8      |
| 40°-50°   | 603.1  | 17.5      |
| 50°-60°   | 554.6  | 16.1      |
| 60°-70°   | 442.0  | 12.8      |
| 70°-80°   | 280.1  | 8.1       |
| 80°-90°   | 77.0   | 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°    | 915.3  | 26.5      |
| 0°-40°    | 1495.2 | 43.3      |
| 0°-60°    | 2652.9 | 76.8      |
| 0°-90°    | 3452.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3452.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1186 | 1186  | 1186 | 1186  | 1186 |      |
| 5°  | 1181 | 1181  | 1176 | 1182  | 1182 | 112  |
| 15° | 1130 | 1130  | 1132 | 1140  | 1142 | 319  |
| 25° | 1034 | 1039  | 1045 | 1060  | 1064 | 476  |
| 35° | 900  | 910   | 927  | 944   | 950  | 564  |
| 45° | 742  | 758   | 783  | 808   | 815  | 573  |
| 55° | 570  | 588   | 623  | 653   | 664  | 509  |
| 65° | 388  | 408   | 451  | 486   | 497  | 383  |
| 75° | 202  | 228   | 275  | 309   | 319  | 213  |
| 85° | 43   | 62    | 73   | 72    | 70   | 51   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1186.0 | 1186.0 | 1186.0 | 1186.0 | 1186.0 |
| 2.5°  | 1186.0 | 1186.0 | 1179.8 | 1186.0 | 1186.0 |
| 5°    | 1181.0 | 1181.0 | 1176.1 | 1182.3 | 1182.3 |
| 7.5°  | 1172.4 | 1173.6 | 1169.9 | 1176.1 | 1176.1 |
| 10°   | 1161.3 | 1162.5 | 1160.1 | 1167.5 | 1167.5 |
| 12.5° | 1146.5 | 1147.8 | 1146.5 | 1155.2 | 1155.2 |
| 15°   | 1130.5 | 1130.5 | 1131.7 | 1140.4 | 1141.6 |
| 17.5° | 1109.5 | 1112.0 | 1114.5 | 1124.3 | 1124.3 |
| 20°   | 1086.1 | 1089.8 | 1093.5 | 1105.8 | 1105.8 |
| 22.5° | 1062.7 | 1066.4 | 1071.3 | 1083.6 | 1086.1 |
| 25°   | 1034.3 | 1039.3 | 1045.4 | 1060.2 | 1063.9 |
| 27.5° | 1004.7 | 1008.4 | 1018.3 | 1034.3 | 1035.6 |
| 30°   | 971.5  | 977.6  | 990.0  | 1006.0 | 1009.7 |
| 32.5° | 936.9  | 945.6  | 959.1  | 977.6  | 981.3  |
| 35°   | 900.0  | 909.8  | 927.1  | 944.3  | 950.5  |
| 37.5° | 865.4  | 872.8  | 892.6  | 912.3  | 916.0  |
| 40°   | 824.8  | 835.9  | 856.8  | 879.0  | 883.9  |
| 42.5° | 784.1  | 796.4  | 819.8  | 842.0  | 850.6  |
| 45°   | 742.2  | 758.2  | 782.8  | 807.5  | 814.9  |
| 47.5° | 700.2  | 717.5  | 743.4  | 770.5  | 779.1  |
| 50°   | 659.6  | 675.6  | 703.9  | 732.3  | 740.9  |
| 52.5° | 613.9  | 632.4  | 663.3  | 694.1  | 702.7  |
| 55°   | 569.6  | 588.1  | 622.6  | 653.4  | 664.5  |
| 57.5° | 523.9  | 544.9  | 580.7  | 612.7  | 622.6  |
| 60°   | 478.3  | 500.5  | 538.7  | 570.8  | 583.1  |
| 62.5° | 432.7  | 453.7  | 495.6  | 527.6  | 538.7  |
| 65°   | 388.3  | 408.1  | 451.2  | 485.7  | 496.8  |
| 67.5° | 340.3  | 362.4  | 406.8  | 442.6  | 452.4  |
| 70°   | 293.4  | 315.6  | 362.4  | 399.4  | 409.3  |
| 72.5° | 245.3  | 271.2  | 318.1  | 353.8  | 367.4  |
| 75°   | 202.2  | 228.1  | 274.9  | 309.4  | 319.3  |
| 77.5° | 156.6  | 182.5  | 230.5  | 255.2  | 256.4  |
| 80°   | 112.2  | 141.8  | 182.5  | 192.3  | 197.3  |
| 82.5° | 74.0   | 102.3  | 125.7  | 138.1  | 138.1  |
| 85°   | 43.1   | 61.6   | 72.7   | 71.5   | 70.3   |
| 87.5° | 16.0   | 21.0   | 17.3   | 12.3   | 8.6    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)