

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: P302118

Luminaire Tested: **RX-WO-34H935-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302118
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-34H935-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (294)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

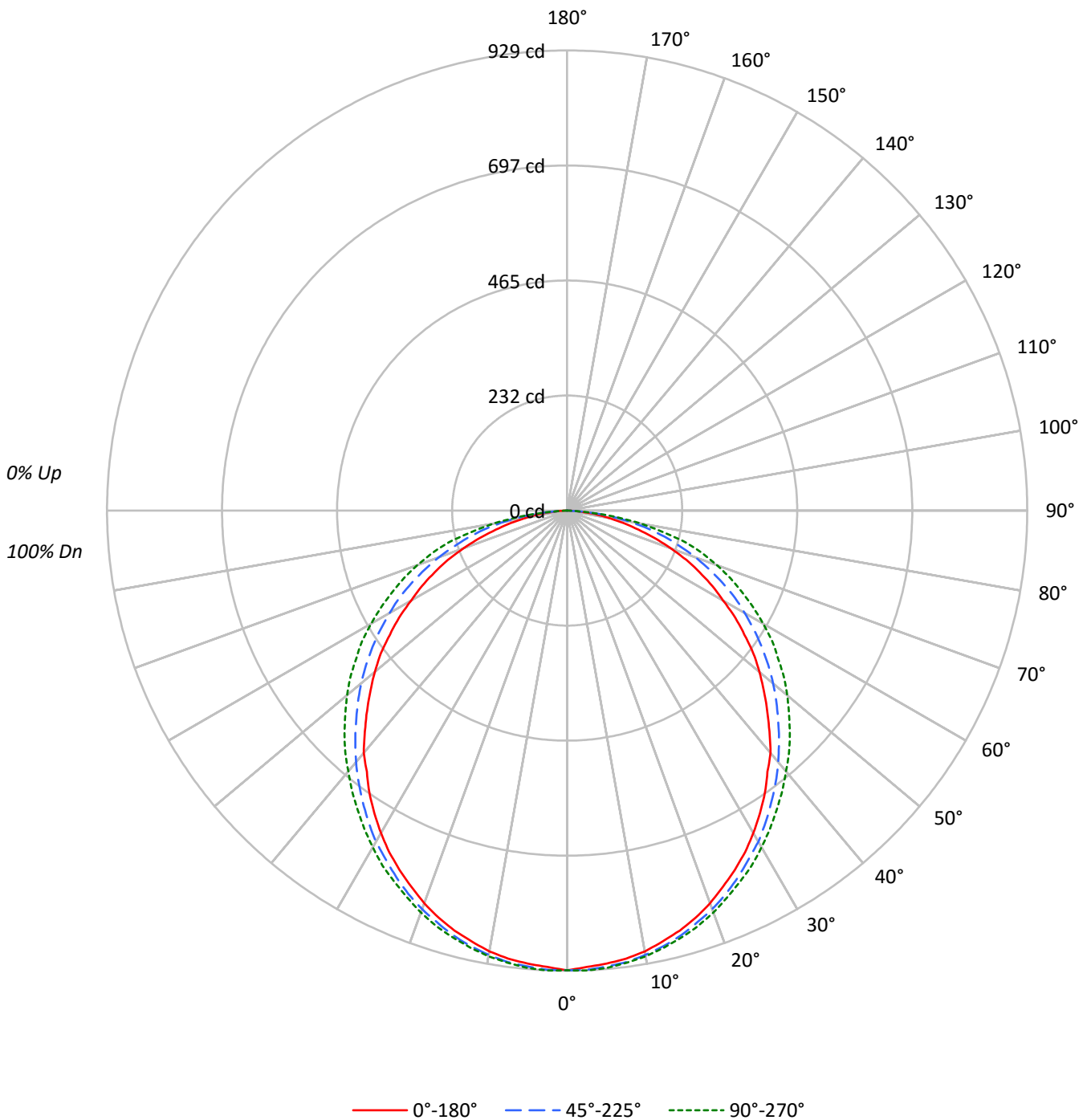
Lumens per Lamp: N/A
Luminaire Lumens: 2660.1 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 24.5
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 | 104 | 99 | 95 | 106 | 101 | 97 | 94 | 97 | 94 | 91 | 93 | 90 | 88 | 89 | 87 | 85 | 83 | | | | | 83 | | | |
| 2 | 98 | 90 | 83 | 77 | 96 | 88 | 82 | 76 | 84 | 79 | 74 | 81 | 77 | 73 | 78 | 74 | 71 | 69 | | | | | 69 | | | |
| 3 | 90 | 79 | 70 | 64 | 87 | 77 | 69 | 63 | 74 | 68 | 62 | 71 | 66 | 61 | 69 | 64 | 60 | 58 | | | | | 58 | | | |
| 4 | 82 | 70 | 61 | 54 | 80 | 68 | 60 | 53 | 66 | 58 | 53 | 63 | 57 | 52 | 61 | 56 | 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 | 68 | 55 | 46 | 40 | 53 | 45 | 40 | 51 | 45 | 39 | 50 | 44 | 39 | 37 | | | | | 37 | | | |
| 7 | 64 | 51 | 42 | 36 | 63 | 50 | 41 | 35 | 48 | 41 | 35 | 47 | 40 | 35 | 45 | 39 | 35 | 33 | | | | | 33 | | | |
| 8 | 60 | 46 | 38 | 32 | 58 | 46 | 37 | 32 | 44 | 37 | 31 | 43 | 36 | 31 | 42 | 36 | 31 | 29 | | | | | 29 | | | |
| 9 | 56 | 42 | 34 | 29 | 55 | 42 | 34 | 28 | 41 | 33 | 28 | 40 | 33 | 28 | 39 | 32 | 28 | 26 | | | | | 26 | | | |
| 10 | 52 | 39 | 31 | 26 | 51 | 39 | 31 | 26 | 38 | 31 | 26 | 37 | 30 | 26 | 36 | 30 | 25 | 24 | | | | | 24 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 2497 | 2497 | 2497 |
| 5° | 2480 | 2495 | 2503 |
| 10° | 2469 | 2489 | 2497 |
| 15° | 2446 | 2474 | 2486 |
| 20° | 2416 | 2452 | 2473 |
| 25° | 2377 | 2424 | 2453 |
| 30° | 2336 | 2399 | 2439 |
| 35° | 2286 | 2362 | 2423 |
| 40° | 2244 | 2329 | 2415 |
| 45° | 2175 | 2294 | 2420 |
| 50° | 2123 | 2272 | 2428 |
| 55° | 2049 | 2251 | 2439 |
| 60° | 1958 | 2228 | 2458 |
| 65° | 1878 | 2207 | 2480 |
| 70° | 1747 | 2164 | 2524 |
| 75° | 1548 | 2115 | 2576 |
| 80° | 1309 | 1976 | 2331 |
| 85° | 929 | 1371 | 1328 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 87.7 | 3.3 |
| 10°-20° | 250.0 | 9.4 |
| 20°-30° | 375.7 | 14.1 |
| 30°-40° | 449.4 | 16.9 |
| 40°-50° | 466.1 | 17.5 |
| 50°-60° | 428.6 | 16.1 |
| 60°-70° | 340.2 | 12.8 |
| 70°-80° | 210.1 | 7.9 |
| 80°-90° | 52.2 | 2.0 |
| 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° | 713.4 | 26.8 |
| 0°-40° | 1162.9 | 43.7 |
| 0°-60° | 2057.6 | 77.3 |
| 0°-90° | 2660.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2660.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 928 | 928 | 928 | 928 | 928 | |
| 5° | 918 | 921 | 924 | 927 | 927 | 87 |
| 15° | 878 | 881 | 888 | 892 | 892 | 247 |
| 25° | 800 | 806 | 816 | 825 | 826 | 369 |
| 35° | 696 | 703 | 719 | 733 | 738 | 435 |
| 45° | 571 | 581 | 603 | 627 | 636 | 441 |
| 55° | 437 | 448 | 480 | 513 | 520 | 391 |
| 65° | 295 | 308 | 347 | 380 | 390 | 292 |
| 75° | 149 | 169 | 203 | 235 | 248 | 159 |
| 85° | 30 | 39 | 44 | 44 | 43 | 38 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P302118

CATALOG NUMBER: RX-WO-34H935-UNV-22-STD

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 928.0 | 928.0 | 928.0 | 928.0 | 928.0 |
| 2.5° | 922.3 | 923.7 | 928.0 | 929.4 | 929.4 |
| 5° | 918.0 | 920.8 | 923.7 | 926.6 | 926.6 |
| 7.5° | 912.2 | 915.1 | 919.4 | 920.8 | 920.8 |
| 10° | 903.6 | 906.5 | 910.8 | 913.7 | 913.7 |
| 12.5° | 890.8 | 895.1 | 900.8 | 903.6 | 903.6 |
| 15° | 877.9 | 880.7 | 887.9 | 892.2 | 892.2 |
| 17.5° | 862.1 | 865.0 | 872.1 | 877.9 | 879.3 |
| 20° | 843.5 | 846.4 | 856.4 | 862.1 | 863.5 |
| 22.5° | 822.0 | 826.3 | 837.8 | 843.5 | 844.9 |
| 25° | 800.5 | 806.3 | 816.3 | 824.9 | 826.3 |
| 27.5° | 777.6 | 783.4 | 793.4 | 804.8 | 807.7 |
| 30° | 751.8 | 757.6 | 771.9 | 781.9 | 784.8 |
| 32.5° | 724.6 | 731.8 | 746.1 | 759.0 | 761.9 |
| 35° | 696.0 | 703.2 | 718.9 | 733.2 | 737.5 |
| 37.5° | 664.5 | 674.5 | 691.7 | 707.5 | 713.2 |
| 40° | 638.7 | 644.4 | 663.1 | 681.7 | 687.4 |
| 42.5° | 604.3 | 612.9 | 633.0 | 654.5 | 663.1 |
| 45° | 571.4 | 581.4 | 602.9 | 627.3 | 635.8 |
| 47.5° | 538.5 | 548.5 | 572.8 | 598.6 | 607.2 |
| 50° | 507.0 | 515.6 | 542.8 | 571.4 | 580.0 |
| 52.5° | 474.0 | 482.6 | 511.3 | 542.8 | 551.4 |
| 55° | 436.8 | 448.2 | 479.7 | 512.7 | 519.8 |
| 57.5° | 402.4 | 413.9 | 446.8 | 478.3 | 491.2 |
| 60° | 363.8 | 378.1 | 413.9 | 445.4 | 456.8 |
| 62.5° | 330.8 | 342.3 | 382.4 | 413.9 | 423.9 |
| 65° | 295.0 | 307.9 | 346.6 | 379.5 | 389.5 |
| 67.5° | 260.6 | 273.5 | 310.8 | 343.7 | 356.6 |
| 70° | 222.0 | 236.3 | 275.0 | 307.9 | 320.8 |
| 72.5° | 186.2 | 203.4 | 237.7 | 272.1 | 286.4 |
| 75° | 148.9 | 169.0 | 203.4 | 234.9 | 247.8 |
| 77.5° | 116.0 | 133.2 | 166.1 | 187.6 | 194.8 |
| 80° | 84.5 | 101.7 | 127.5 | 141.8 | 150.4 |
| 82.5° | 57.3 | 67.3 | 87.4 | 97.4 | 97.4 |
| 85° | 30.1 | 38.7 | 44.4 | 44.4 | 43.0 |
| 87.5° | 10.0 | 11.5 | 8.6 | 4.3 | 2.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)