

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: P302263

Luminaire Tested: **RX-WO-35H930-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302263
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-35H930-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (252)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

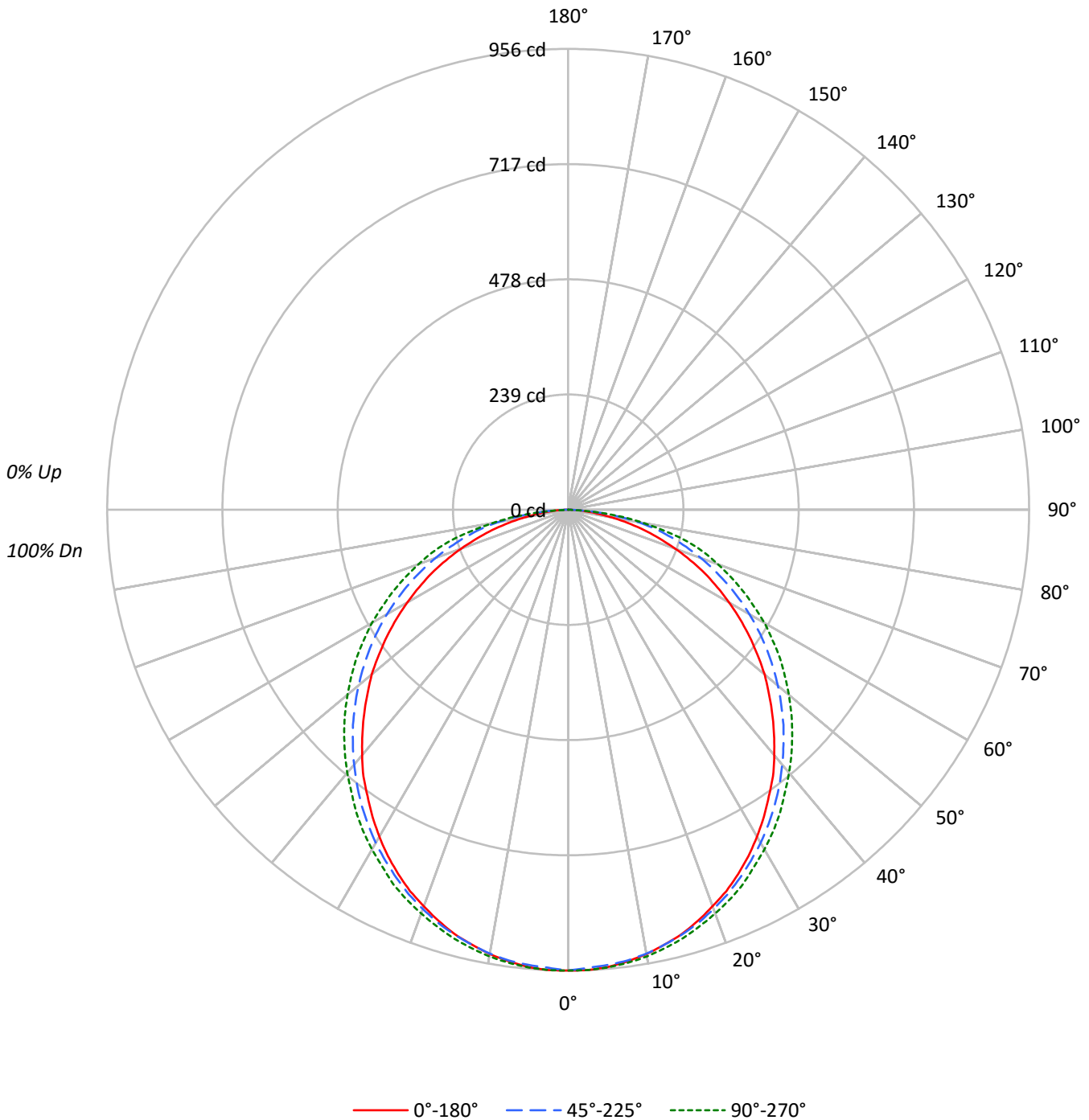
Lumens per Lamp: N/A
Luminaire Lumens: 2782.8 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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° | 1286 | 1286 | 1286 |
| 5° | 1286 | 1281 | 1287 |
| 10° | 1279 | 1278 | 1286 |
| 15° | 1269 | 1271 | 1282 |
| 20° | 1254 | 1262 | 1276 |
| 25° | 1238 | 1251 | 1273 |
| 30° | 1217 | 1240 | 1265 |
| 35° | 1192 | 1227 | 1259 |
| 40° | 1168 | 1213 | 1251 |
| 45° | 1138 | 1201 | 1250 |
| 50° | 1113 | 1188 | 1250 |
| 55° | 1077 | 1177 | 1257 |
| 60° | 1038 | 1169 | 1265 |
| 65° | 996 | 1158 | 1275 |
| 70° | 930 | 1149 | 1298 |
| 75° | 847 | 1152 | 1338 |
| 80° | 700 | 1140 | 1232 |
| 85° | 537 | 905 | 874 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 90.4 | 3.2 |
| 10°-20° | 258.1 | 9.3 |
| 20°-30° | 389.3 | 14.0 |
| 30°-40° | 467.4 | 16.8 |
| 40°-50° | 486.2 | 17.5 |
| 50°-60° | 447.1 | 16.1 |
| 60°-70° | 356.3 | 12.8 |
| 70°-80° | 225.8 | 8.1 |
| 80°-90° | 62.1 | 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° | 737.8 | 26.5 |
| 0°-40° | 1205.3 | 43.3 |
| 0°-60° | 2138.5 | 76.8 |
| 0°-90° | 2782.8 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2782.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 956 | 956 | 956 | 956 | 956 | |
| 5° | 952 | 952 | 948 | 953 | 953 | 90 |
| 15° | 911 | 911 | 912 | 919 | 920 | 257 |
| 25° | 834 | 838 | 843 | 855 | 858 | 384 |
| 35° | 726 | 733 | 747 | 761 | 766 | 454 |
| 45° | 598 | 611 | 631 | 651 | 657 | 462 |
| 55° | 459 | 474 | 502 | 527 | 536 | 410 |
| 65° | 313 | 329 | 364 | 392 | 400 | 309 |
| 75° | 163 | 184 | 222 | 249 | 257 | 171 |
| 85° | 35 | 50 | 59 | 58 | 57 | 41 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 956.0 | 956.0 | 956.0 | 956.0 | 956.0 |
| 2.5° | 956.0 | 956.0 | 951.1 | 956.0 | 956.0 |
| 5° | 952.0 | 952.0 | 948.1 | 953.0 | 953.0 |
| 7.5° | 945.1 | 946.1 | 943.1 | 948.1 | 948.1 |
| 10° | 936.1 | 937.1 | 935.2 | 941.1 | 941.1 |
| 12.5° | 924.2 | 925.2 | 924.2 | 931.2 | 931.2 |
| 15° | 911.3 | 911.3 | 912.3 | 919.3 | 920.2 |
| 17.5° | 894.4 | 896.4 | 898.4 | 906.3 | 906.3 |
| 20° | 875.5 | 878.5 | 881.5 | 891.4 | 891.4 |
| 22.5° | 856.6 | 859.6 | 863.6 | 873.5 | 875.5 |
| 25° | 833.8 | 837.8 | 842.7 | 854.7 | 857.6 |
| 27.5° | 809.9 | 812.9 | 820.9 | 833.8 | 834.8 |
| 30° | 783.1 | 788.1 | 798.0 | 810.9 | 813.9 |
| 32.5° | 755.3 | 762.2 | 773.2 | 788.1 | 791.1 |
| 35° | 725.5 | 733.4 | 747.3 | 761.2 | 766.2 |
| 37.5° | 697.6 | 703.6 | 719.5 | 735.4 | 738.4 |
| 40° | 664.8 | 673.8 | 690.7 | 708.6 | 712.5 |
| 42.5° | 632.0 | 642.0 | 660.9 | 678.8 | 685.7 |
| 45° | 598.3 | 611.2 | 631.1 | 650.9 | 656.9 |
| 47.5° | 564.5 | 578.4 | 599.3 | 621.1 | 628.1 |
| 50° | 531.7 | 544.6 | 567.5 | 590.3 | 597.3 |
| 52.5° | 494.9 | 509.8 | 534.7 | 559.5 | 566.5 |
| 55° | 459.1 | 474.0 | 501.9 | 526.7 | 535.7 |
| 57.5° | 422.4 | 439.3 | 468.1 | 493.9 | 501.9 |
| 60° | 385.6 | 403.5 | 434.3 | 460.1 | 470.1 |
| 62.5° | 348.8 | 365.7 | 399.5 | 425.3 | 434.3 |
| 65° | 313.0 | 328.9 | 363.7 | 391.6 | 400.5 |
| 67.5° | 274.3 | 292.2 | 327.9 | 356.8 | 364.7 |
| 70° | 236.5 | 254.4 | 292.2 | 322.0 | 329.9 |
| 72.5° | 197.8 | 218.6 | 256.4 | 285.2 | 296.1 |
| 75° | 163.0 | 183.9 | 221.6 | 249.4 | 257.4 |
| 77.5° | 126.2 | 147.1 | 185.8 | 205.7 | 206.7 |
| 80° | 90.4 | 114.3 | 147.1 | 155.0 | 159.0 |
| 82.5° | 59.6 | 82.5 | 101.4 | 111.3 | 111.3 |
| 85° | 34.8 | 49.7 | 58.6 | 57.6 | 56.6 |
| 87.5° | 12.9 | 16.9 | 13.9 | 9.9 | 7.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)