

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: P258368

Luminaire Tested: **D3X-WD-36L935-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258368
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-36L935-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH ROUND PERF
Light Source: (252) 3500 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2870.5 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

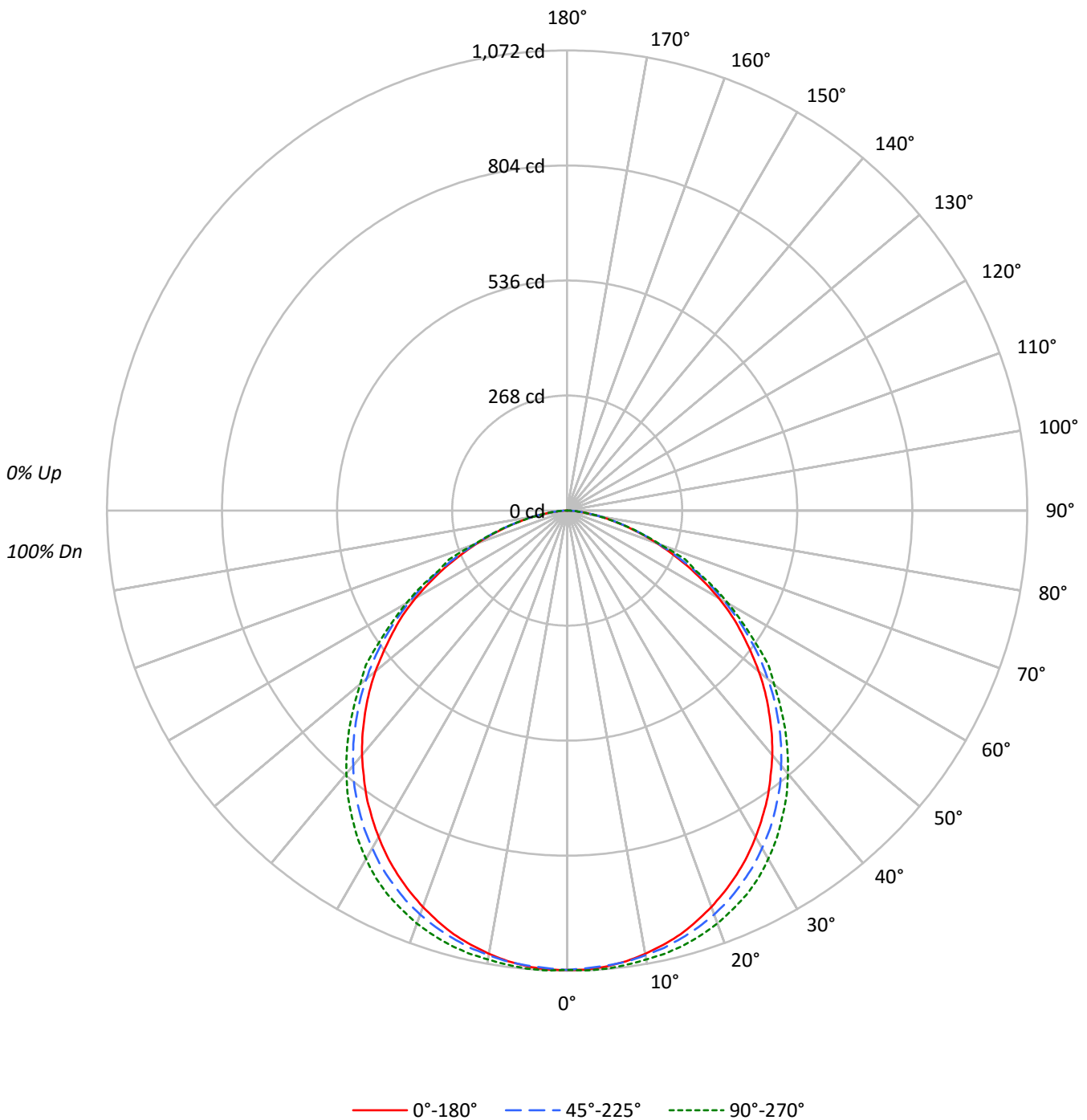
Input Watts (W): 26.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P258368

CATALOG NUMBER: D3X-WD-36L935-LD5-UNV-24-T1-STD

Luminous Intensity Polar Plot





TEST NUMBER: P258368

CATALOG NUMBER: D3X-WD-36L935-LD5-UNV-24-T1-STD

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 | 109 | 105 | 101 | 97 | 107 | 103 | 99 | 96 | 98 | 95 | 93 | 94 | 92 | 90 | 91 | 89 | 87 | 85 |
| 2 | 100 | 92 | 85 | 80 | 97 | 90 | 84 | 79 | 87 | 81 | 77 | 83 | 79 | 75 | 80 | 77 | 74 | 72 |
| 3 | 91 | 81 | 73 | 67 | 89 | 79 | 72 | 66 | 76 | 70 | 65 | 74 | 68 | 64 | 71 | 67 | 63 | 61 |
| 4 | 84 | 72 | 63 | 57 | 81 | 71 | 63 | 56 | 68 | 61 | 56 | 66 | 60 | 55 | 64 | 58 | 54 | 52 |
| 5 | 77 | 64 | 56 | 49 | 75 | 63 | 55 | 49 | 61 | 54 | 48 | 59 | 53 | 48 | 57 | 52 | 47 | 45 |
| 6 | 71 | 58 | 49 | 43 | 69 | 57 | 49 | 43 | 55 | 48 | 42 | 54 | 47 | 42 | 52 | 46 | 42 | 40 |
| 7 | 66 | 53 | 44 | 38 | 64 | 52 | 44 | 38 | 50 | 43 | 38 | 49 | 42 | 37 | 48 | 42 | 37 | 35 |
| 8 | 61 | 48 | 40 | 34 | 60 | 47 | 39 | 34 | 46 | 39 | 34 | 45 | 38 | 33 | 44 | 38 | 33 | 31 |
| 9 | 57 | 44 | 36 | 31 | 56 | 44 | 36 | 30 | 42 | 35 | 30 | 41 | 35 | 30 | 40 | 34 | 30 | 28 |
| 10 | 54 | 41 | 33 | 28 | 53 | 40 | 33 | 28 | 39 | 32 | 28 | 38 | 32 | 27 | 37 | 32 | 27 | 26 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 1440 | 1440 | 1440 |
| 5° | 1440 | 1437 | 1447 |
| 10° | 1433 | 1437 | 1451 |
| 15° | 1423 | 1436 | 1461 |
| 20° | 1407 | 1433 | 1466 |
| 25° | 1388 | 1425 | 1466 |
| 30° | 1365 | 1411 | 1456 |
| 35° | 1338 | 1391 | 1435 |
| 40° | 1306 | 1362 | 1406 |
| 45° | 1266 | 1325 | 1366 |
| 50° | 1220 | 1278 | 1317 |
| 55° | 1164 | 1218 | 1254 |
| 60° | 1098 | 1139 | 1167 |
| 65° | 997 | 1030 | 1049 |
| 70° | 875 | 895 | 908 |
| 75° | 739 | 750 | 755 |
| 80° | 590 | 598 | 583 |
| 85° | 397 | 414 | 397 |



TEST NUMBER: P258368

CATALOG NUMBER: D3X-WD-36L935-LD5-UNV-24-T1-STD

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 101.4 | 3.5 |
| 10°-20° | 291.6 | 10.2 |
| 20°-30° | 442.5 | 15.4 |
| 30°-40° | 528.3 | 18.4 |
| 40°-50° | 534.8 | 18.6 |
| 50°-60° | 462.3 | 16.1 |
| 60°-70° | 320.4 | 11.2 |
| 70°-80° | 155.0 | 5.4 |
| 80°-90° | 34.1 | 1.2 |
| 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° | 835.6 | 29.1 |
| 0°-40° | 1363.8 | 47.5 |
| 0°-60° | 2361.0 | 82.2 |
| 0°-90° | 2870.5 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2870.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1070 | 1070 | 1070 | 1070 | 1070 | |
| 5° | 1066 | 1065 | 1064 | 1069 | 1071 | 101 |
| 15° | 1022 | 1024 | 1031 | 1043 | 1048 | 288 |
| 25° | 935 | 941 | 960 | 980 | 988 | 431 |
| 35° | 815 | 822 | 847 | 868 | 873 | 509 |
| 45° | 665 | 675 | 696 | 714 | 718 | 513 |
| 55° | 496 | 502 | 519 | 541 | 534 | 444 |
| 65° | 313 | 316 | 323 | 328 | 330 | 310 |
| 75° | 142 | 143 | 144 | 143 | 145 | 153 |
| 85° | 26 | 28 | 27 | 26 | 26 | 33 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P258368

CATALOG NUMBER: D3X-WD-36L935-LD5-UNV-24-T1-STD

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1070.1 | 1070.1 | 1070.1 | 1070.1 | 1070.1 |
| 2.5° | 1070.1 | 1069.1 | 1067.0 | 1070.1 | 1072.2 |
| 5° | 1066.0 | 1064.9 | 1063.9 | 1069.1 | 1071.1 |
| 7.5° | 1058.8 | 1058.8 | 1059.8 | 1064.9 | 1067.0 |
| 10° | 1048.5 | 1049.5 | 1051.6 | 1059.8 | 1061.9 |
| 12.5° | 1036.1 | 1038.2 | 1043.3 | 1052.6 | 1056.7 |
| 15° | 1021.7 | 1023.7 | 1031.0 | 1043.3 | 1048.5 |
| 17.5° | 1003.2 | 1007.3 | 1017.6 | 1032.0 | 1037.1 |
| 20° | 982.6 | 987.7 | 1001.1 | 1017.6 | 1023.7 |
| 22.5° | 959.9 | 965.0 | 982.6 | 1000.1 | 1006.2 |
| 25° | 935.2 | 941.4 | 959.9 | 979.5 | 987.7 |
| 27.5° | 908.4 | 915.6 | 936.2 | 956.8 | 965.0 |
| 30° | 878.5 | 886.8 | 908.4 | 930.0 | 937.2 |
| 32.5° | 846.6 | 854.8 | 879.6 | 900.2 | 907.4 |
| 35° | 814.7 | 821.9 | 846.6 | 868.2 | 873.4 |
| 37.5° | 778.6 | 786.9 | 813.6 | 832.2 | 839.4 |
| 40° | 743.6 | 751.8 | 775.5 | 794.1 | 800.3 |
| 42.5° | 705.5 | 713.7 | 737.4 | 754.9 | 760.1 |
| 45° | 665.3 | 674.6 | 696.2 | 713.7 | 717.9 |
| 47.5° | 625.2 | 632.4 | 655.0 | 670.5 | 673.6 |
| 50° | 582.9 | 590.1 | 610.7 | 626.2 | 629.3 |
| 52.5° | 538.7 | 550.0 | 566.5 | 577.8 | 591.2 |
| 55° | 496.4 | 501.6 | 519.1 | 540.7 | 534.5 |
| 57.5° | 454.2 | 457.3 | 471.7 | 481.0 | 483.0 |
| 60° | 407.9 | 412.0 | 423.3 | 428.5 | 433.6 |
| 62.5° | 359.4 | 362.5 | 375.9 | 381.1 | 383.1 |
| 65° | 313.1 | 316.2 | 323.4 | 328.5 | 329.6 |
| 67.5° | 265.7 | 268.8 | 275.0 | 279.1 | 297.6 |
| 70° | 222.5 | 224.5 | 227.6 | 235.9 | 230.7 |
| 72.5° | 181.3 | 182.3 | 185.4 | 185.4 | 186.4 |
| 75° | 142.1 | 143.2 | 144.2 | 143.2 | 145.2 |
| 77.5° | 106.1 | 108.1 | 109.2 | 108.1 | 107.1 |
| 80° | 76.2 | 78.3 | 77.2 | 75.2 | 75.2 |
| 82.5° | 49.4 | 50.5 | 49.4 | 48.4 | 48.4 |
| 85° | 25.7 | 27.8 | 26.8 | 25.7 | 25.7 |
| 87.5° | 9.3 | 10.3 | 11.3 | 12.4 | 12.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)