

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: P506580

Luminaire Tested: **24PD-30-PR1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506580
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-30-PR1-L935
Description: 3000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

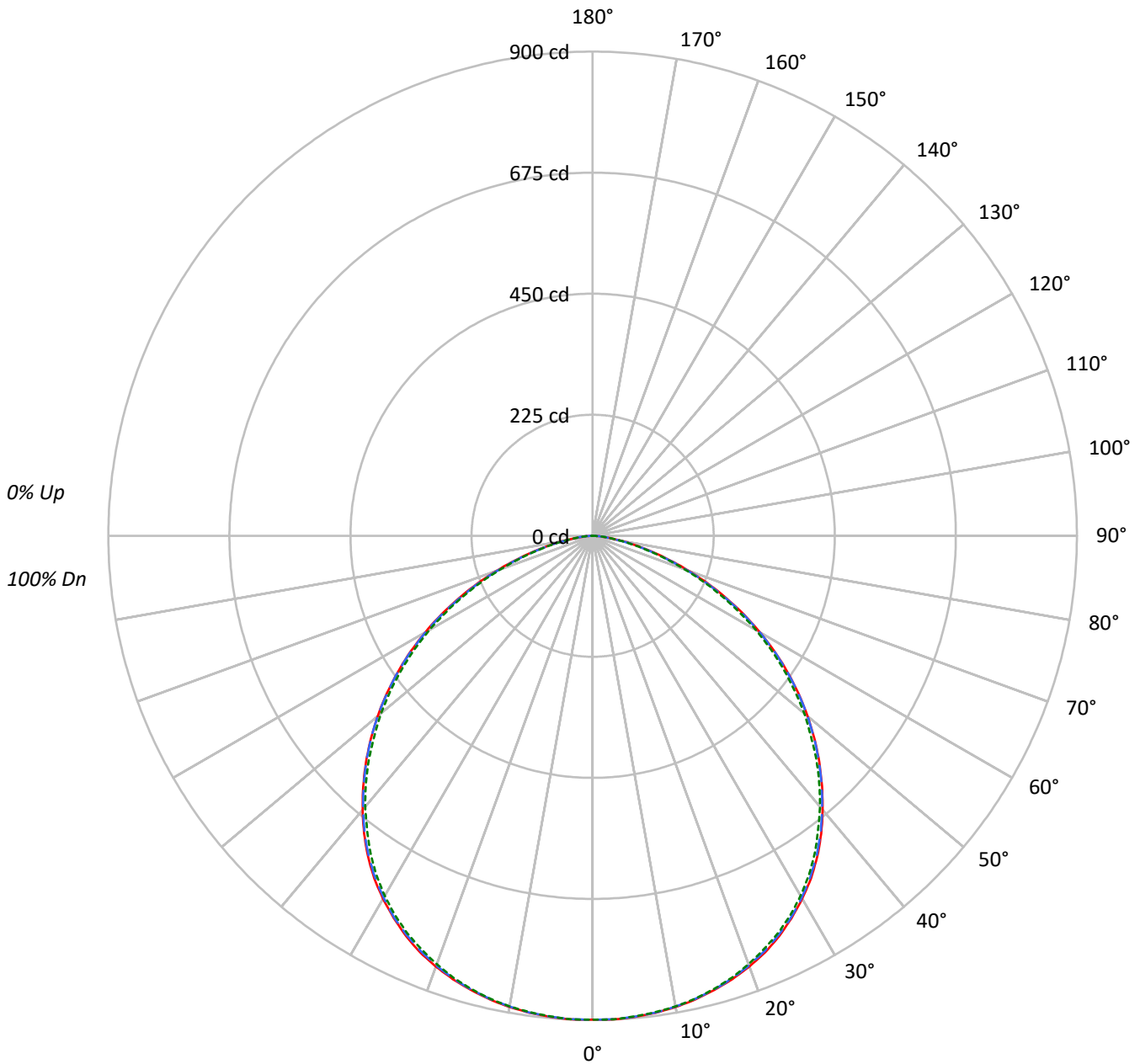
Lumens per Lamp: N/A
Luminaire Lumens: 2422.0 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (A_{in}): 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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | | |
| 1 | 110 | 105 | 101 | 98 | 107 | 103 | 99 | 96 | 99 | 96 | 93 | 95 | 92 | 90 | 91 | 89 | 87 | 85 | | | |
| 2 | 100 | 92 | 86 | 80 | 97 | 90 | 84 | 79 | 87 | 82 | 78 | 84 | 79 | 76 | 81 | 77 | 74 | 72 | | | |
| 3 | 91 | 81 | 74 | 67 | 89 | 80 | 73 | 67 | 77 | 71 | 66 | 74 | 69 | 64 | 72 | 67 | 63 | 61 | | | |
| 4 | 84 | 72 | 64 | 57 | 82 | 71 | 63 | 57 | 68 | 62 | 56 | 66 | 60 | 55 | 64 | 59 | 55 | 52 | | | |
| 5 | 77 | 65 | 56 | 49 | 75 | 64 | 55 | 49 | 61 | 54 | 49 | 60 | 53 | 48 | 58 | 52 | 48 | 46 | | | |
| 6 | 71 | 58 | 50 | 43 | 69 | 57 | 49 | 43 | 56 | 48 | 43 | 54 | 47 | 42 | 52 | 47 | 42 | 40 | | | |
| 7 | 66 | 53 | 44 | 38 | 64 | 52 | 44 | 38 | 51 | 43 | 38 | 49 | 43 | 38 | 48 | 42 | 37 | 35 | | | |
| 8 | 62 | 48 | 40 | 34 | 60 | 48 | 40 | 34 | 46 | 39 | 34 | 45 | 38 | 34 | 44 | 38 | 33 | 32 | | | |
| 9 | 58 | 44 | 36 | 31 | 56 | 44 | 36 | 31 | 43 | 36 | 31 | 42 | 35 | 30 | 41 | 35 | 30 | 28 | | | |
| 10 | 54 | 41 | 33 | 28 | 53 | 40 | 33 | 28 | 39 | 32 | 28 | 38 | 32 | 28 | 38 | 32 | 27 | 26 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 1210 | 1210 | 1210 |
| 5° | 1213 | 1212 | 1211 |
| 10° | 1215 | 1214 | 1214 |
| 15° | 1218 | 1216 | 1215 |
| 20° | 1220 | 1217 | 1213 |
| 25° | 1219 | 1215 | 1210 |
| 30° | 1210 | 1207 | 1201 |
| 35° | 1196 | 1192 | 1182 |
| 40° | 1168 | 1165 | 1155 |
| 45° | 1134 | 1132 | 1119 |
| 50° | 1091 | 1091 | 1074 |
| 55° | 1038 | 1036 | 1016 |
| 60° | 967 | 963 | 942 |
| 65° | 871 | 861 | 841 |
| 70° | 744 | 733 | 715 |
| 75° | 588 | 575 | 561 |
| 80° | 418 | 407 | 394 |
| 85° | 252 | 244 | 236 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 85.4 | 3.5 |
| 10°-20° | 246.5 | 10.2 |
| 20°-30° | 376.9 | 15.6 |
| 30°-40° | 452.6 | 18.7 |
| 40°-50° | 457.4 | 18.9 |
| 50°-60° | 393.0 | 16.2 |
| 60°-70° | 268.1 | 11.1 |
| 70°-80° | 120.5 | 5.0 |
| 80°-90° | 21.7 | 0.9 |
| 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° | 708.8 | 29.3 |
| 0°-40° | 1161.4 | 48.0 |
| 0°-60° | 2011.7 | 83.1 |
| 0°-90° | 2422.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2422.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 900 | 900 | 900 | 900 | 900 | |
| 5° | 898 | 898 | 897 | 897 | 897 | 85 |
| 15° | 874 | 874 | 873 | 872 | 872 | 247 |
| 25° | 821 | 821 | 819 | 816 | 815 | 378 |
| 35° | 728 | 728 | 726 | 721 | 720 | 454 |
| 45° | 596 | 597 | 595 | 591 | 588 | 459 |
| 55° | 442 | 444 | 442 | 438 | 433 | 395 |
| 65° | 274 | 275 | 270 | 269 | 264 | 271 |
| 75° | 113 | 114 | 111 | 110 | 108 | 123 |
| 85° | 16 | 16 | 16 | 16 | 15 | 22 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 899.6 | 899.6 | 899.6 | 899.6 | 899.6 |
| 2.5° | 899.9 | 899.6 | 899.4 | 898.9 | 899.6 |
| 5° | 897.8 | 897.5 | 897.3 | 896.9 | 896.9 |
| 7.5° | 894.5 | 894.1 | 894.1 | 893.4 | 893.1 |
| 10° | 889.4 | 889.2 | 888.5 | 888.5 | 888.3 |
| 12.5° | 882.9 | 882.4 | 881.7 | 881.5 | 881.1 |
| 15° | 874.1 | 873.8 | 872.9 | 872.2 | 872.0 |
| 17.5° | 864.1 | 863.4 | 862.7 | 861.1 | 861.1 |
| 20° | 852.0 | 851.5 | 849.9 | 848.3 | 847.4 |
| 22.5° | 838.1 | 837.1 | 835.3 | 833.7 | 831.8 |
| 25° | 820.9 | 820.6 | 818.6 | 815.8 | 815.1 |
| 27.5° | 800.9 | 801.4 | 799.3 | 796.5 | 795.1 |
| 30° | 779.1 | 780.0 | 777.0 | 773.5 | 772.8 |
| 32.5° | 755.1 | 755.4 | 752.8 | 749.1 | 747.7 |
| 35° | 727.9 | 727.9 | 725.6 | 721.2 | 719.8 |
| 37.5° | 697.7 | 697.5 | 696.1 | 691.0 | 688.4 |
| 40° | 665.0 | 666.1 | 663.3 | 658.7 | 657.5 |
| 42.5° | 631.0 | 632.4 | 629.9 | 625.9 | 623.4 |
| 45° | 595.7 | 597.4 | 594.8 | 590.6 | 588.1 |
| 47.5° | 559.3 | 560.4 | 558.6 | 553.2 | 549.7 |
| 50° | 521.4 | 523.7 | 521.1 | 515.6 | 513.3 |
| 52.5° | 482.3 | 484.9 | 481.9 | 477.7 | 473.3 |
| 55° | 442.4 | 444.0 | 441.5 | 437.5 | 433.1 |
| 57.5° | 401.3 | 404.5 | 400.3 | 395.7 | 392.0 |
| 60° | 359.4 | 362.2 | 358.0 | 353.9 | 349.9 |
| 62.5° | 316.9 | 318.8 | 314.1 | 311.6 | 306.9 |
| 65° | 273.7 | 275.1 | 270.4 | 268.6 | 264.2 |
| 67.5° | 231.0 | 232.1 | 227.7 | 225.1 | 222.6 |
| 70° | 189.1 | 190.1 | 186.3 | 184.0 | 181.7 |
| 72.5° | 149.6 | 149.9 | 146.4 | 145.7 | 142.9 |
| 75° | 113.2 | 114.1 | 110.6 | 109.9 | 108.0 |
| 77.5° | 81.3 | 81.6 | 79.2 | 78.8 | 77.1 |
| 80° | 53.9 | 54.1 | 52.5 | 52.3 | 50.9 |
| 82.5° | 32.5 | 32.8 | 31.4 | 31.4 | 30.4 |
| 85° | 16.3 | 16.5 | 15.8 | 15.8 | 15.3 |
| 87.5° | 5.6 | 5.8 | 5.6 | 5.6 | 5.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)