

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: P505896

Luminaire Tested: **14PD-35-PL1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505896
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-35-PL1-L935
Description: 3500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

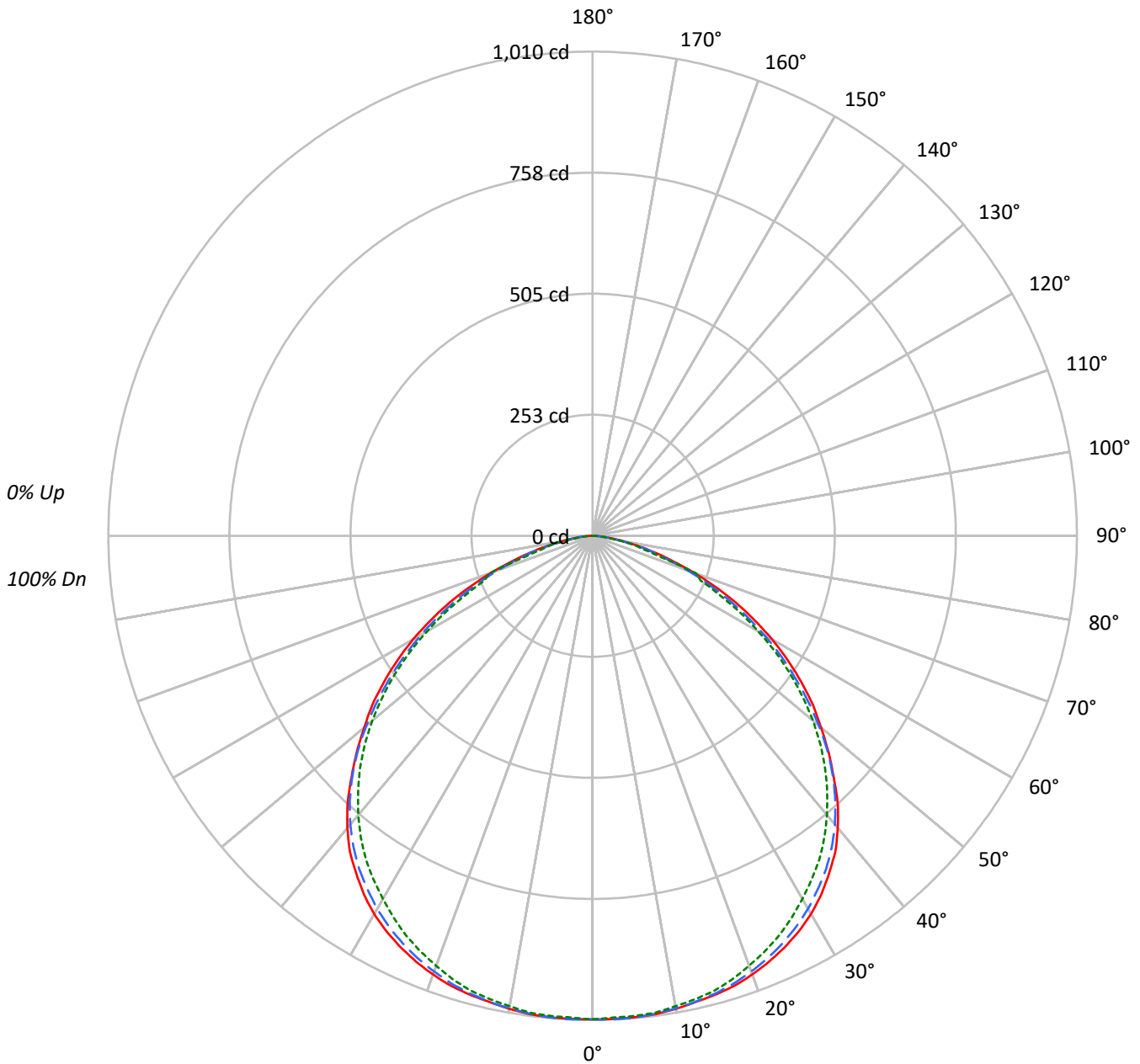
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2803.7 lumens
Efficiency: N/A
Efficacy: 88.2 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 31.8
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

TEST NUMBER: P505896
CATALOG NUMBER: 14PD-35-PL1-L935

Luminous Intensity Polar Plot





TEST NUMBER: P505896

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|---|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|---|
| RF | 20 | | | | | | | | | 20 | | | | | | | | | 20 | | | | | | | | | 20 | | | | | | | | | |
| RC | 80 | | | | | | | | | 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 | 73 | 67 | 89 | 80 | 72 | 67 | 77 | 71 | 65 | 74 | 69 | 64 | 72 | 67 | 63 | 61 | | | | | | | | | | | | | | | | | | | |
| 4 | 84 | 72 | 64 | 57 | 82 | 71 | 63 | 57 | 68 | 61 | 56 | 66 | 60 | 55 | 64 | 59 | 55 | 52 | | | | | | | | | | | | | | | | | | | |
| 5 | 77 | 65 | 56 | 49 | 75 | 63 | 55 | 49 | 61 | 54 | 49 | 59 | 53 | 48 | 58 | 52 | 47 | 45 | | | | | | | | | | | | | | | | | | | |
| 6 | 71 | 58 | 49 | 43 | 69 | 57 | 49 | 43 | 55 | 48 | 43 | 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 | 27 | 38 | 32 | 27 | 37 | 31 | 27 | 25 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 2715 | 2715 | 2715 |
| 5° | 2723 | 2725 | 2716 |
| 10° | 2738 | 2735 | 2723 |
| 15° | 2761 | 2753 | 2736 |
| 20° | 2789 | 2770 | 2733 |
| 25° | 2813 | 2784 | 2732 |
| 30° | 2832 | 2792 | 2718 |
| 35° | 2824 | 2788 | 2708 |
| 40° | 2794 | 2761 | 2670 |
| 45° | 2705 | 2696 | 2610 |
| 50° | 2602 | 2579 | 2509 |
| 55° | 2490 | 2417 | 2362 |
| 60° | 2326 | 2221 | 2146 |
| 65° | 2095 | 1965 | 1859 |
| 70° | 1752 | 1643 | 1804 |
| 75° | 1382 | 1331 | 1152 |
| 80° | 996 | 885 | 902 |
| 85° | 633 | 531 | 497 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 95.9 | 3.4 |
| 10°-20° | 278.8 | 9.9 |
| 20°-30° | 431.0 | 15.4 |
| 30°-40° | 527.6 | 18.8 |
| 40°-50° | 540.8 | 19.3 |
| 50°-60° | 460.6 | 16.4 |
| 60°-70° | 307.8 | 11.0 |
| 70°-80° | 136.4 | 4.9 |
| 80°-90° | 24.7 | 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° | 805.7 | 28.7 |
| 0°-40° | 1333.3 | 47.6 |
| 0°-60° | 2334.8 | 83.3 |
| 0°-90° | 2803.7 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2803.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1009 | 1009 | 1009 | 1009 | 1009 | |
| 5° | 1008 | 1006 | 1009 | 1008 | 1005 | 96 |
| 15° | 991 | 988 | 988 | 986 | 982 | 280 |
| 25° | 947 | 944 | 938 | 926 | 920 | 437 |
| 35° | 860 | 858 | 849 | 830 | 824 | 538 |
| 45° | 711 | 713 | 708 | 692 | 686 | 549 |
| 55° | 531 | 528 | 515 | 505 | 504 | 473 |
| 65° | 329 | 326 | 309 | 295 | 292 | 324 |
| 75° | 133 | 135 | 128 | 128 | 111 | 144 |
| 85° | 20 | 20 | 17 | 17 | 16 | 27 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1008.8 | 1008.8 | 1008.8 | 1008.8 | 1008.8 |
| 2.5° | 1008.8 | 1007.1 | 1009.9 | 1011.0 | 1006.0 |
| 5° | 1008.2 | 1006.0 | 1008.8 | 1008.2 | 1005.4 |
| 7.5° | 1006.5 | 1002.7 | 1005.4 | 1004.3 | 1003.2 |
| 10° | 1002.1 | 998.8 | 1001.0 | 999.3 | 996.6 |
| 12.5° | 996.0 | 993.8 | 995.5 | 993.8 | 989.9 |
| 15° | 991.0 | 987.7 | 988.3 | 985.5 | 982.2 |
| 17.5° | 984.4 | 979.4 | 979.4 | 973.9 | 970.0 |
| 20° | 973.9 | 969.4 | 967.2 | 959.5 | 954.5 |
| 22.5° | 961.7 | 958.3 | 953.9 | 943.9 | 938.4 |
| 25° | 947.3 | 943.9 | 937.8 | 925.7 | 920.1 |
| 27.5° | 930.6 | 926.2 | 919.6 | 905.2 | 898.5 |
| 30° | 911.3 | 905.7 | 898.5 | 882.5 | 874.7 |
| 32.5° | 887.4 | 883.6 | 874.1 | 857.5 | 850.3 |
| 35° | 859.7 | 857.5 | 848.7 | 829.8 | 824.3 |
| 37.5° | 831.5 | 827.1 | 819.3 | 799.4 | 793.8 |
| 40° | 795.5 | 792.7 | 786.1 | 766.7 | 760.0 |
| 42.5° | 756.7 | 755.0 | 749.5 | 731.2 | 724.0 |
| 45° | 710.7 | 712.9 | 708.5 | 692.4 | 685.8 |
| 47.5° | 667.0 | 665.9 | 664.2 | 649.8 | 644.2 |
| 50° | 621.5 | 619.3 | 616.0 | 604.4 | 599.4 |
| 52.5° | 578.9 | 574.5 | 565.6 | 555.6 | 552.3 |
| 55° | 530.7 | 527.9 | 515.2 | 504.7 | 503.5 |
| 57.5° | 481.9 | 480.3 | 464.8 | 452.6 | 452.6 |
| 60° | 432.1 | 429.9 | 412.7 | 400.0 | 398.8 |
| 62.5° | 380.0 | 378.4 | 360.6 | 346.2 | 346.8 |
| 65° | 329.0 | 326.3 | 308.6 | 294.7 | 291.9 |
| 67.5° | 275.9 | 274.8 | 257.6 | 244.8 | 243.7 |
| 70° | 222.7 | 222.7 | 208.8 | 197.8 | 229.3 |
| 72.5° | 175.6 | 173.9 | 162.9 | 157.9 | 150.7 |
| 75° | 132.9 | 134.6 | 128.0 | 128.5 | 110.8 |
| 77.5° | 94.7 | 92.0 | 89.2 | 83.1 | 88.1 |
| 80° | 64.3 | 62.6 | 57.1 | 55.4 | 58.2 |
| 82.5° | 39.9 | 40.4 | 35.5 | 32.1 | 31.6 |
| 85° | 20.5 | 19.9 | 17.2 | 16.6 | 16.1 |
| 87.5° | 7.8 | 8.3 | 7.2 | 6.6 | 6.1 |
| 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)