

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: P505887

Luminaire Tested: **14PD-30-PW1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505887
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-30-PW1-L935
Description: 3000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

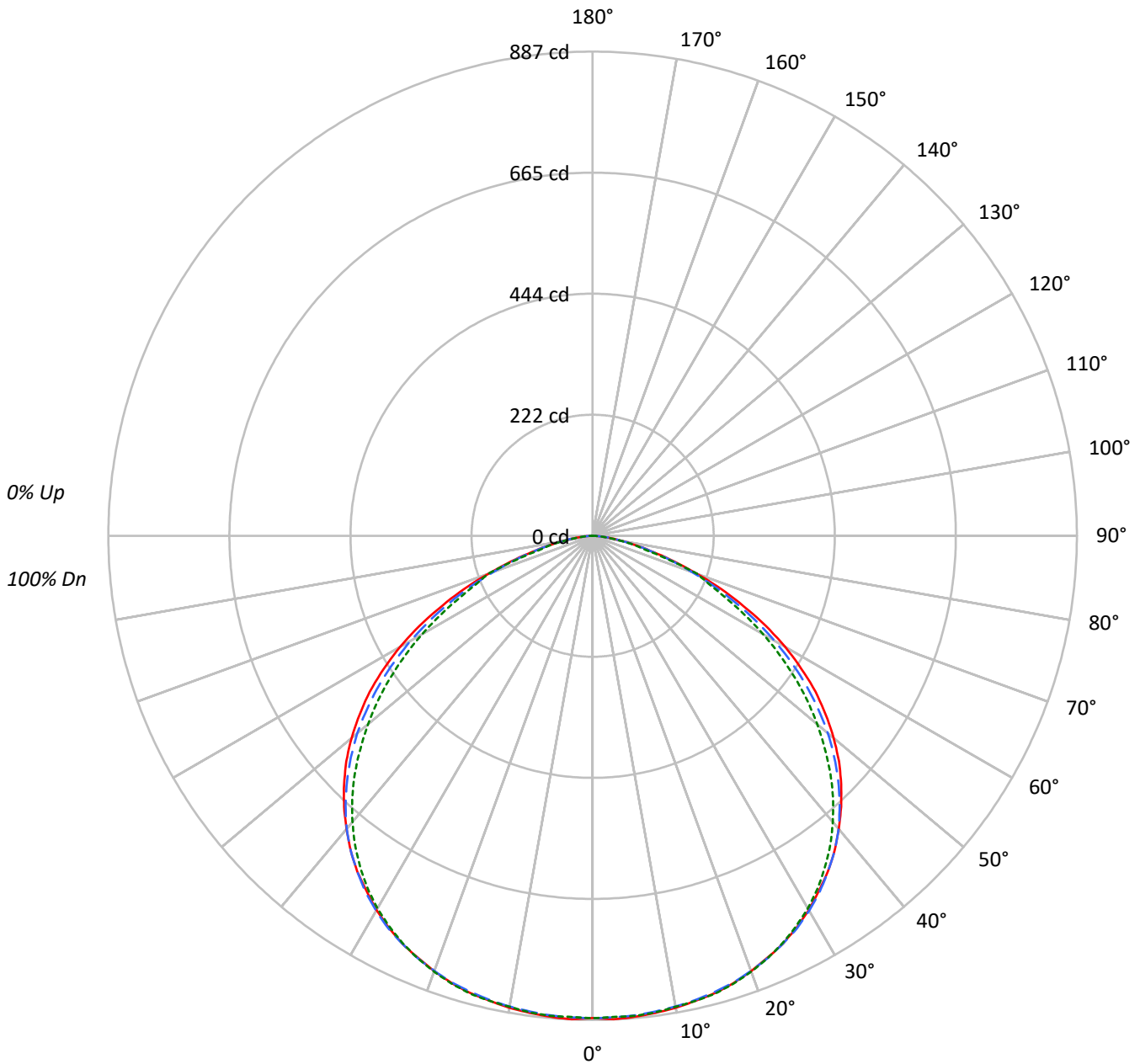
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2516.4 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.42
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 27
Input Voltage (V): NR
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 | | | | | | | | | |
| 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 | 97 | 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 | 77 | 83 | 79 | 76 | 80 | 77 | 74 | 72 | | | | | | | | | | | | | | | | | | | |
| 3 | 91 | 81 | 73 | 67 | 89 | 79 | 72 | 66 | 77 | 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 | 55 | 49 | 75 | 63 | 55 | 49 | 61 | 54 | 48 | 59 | 53 | 48 | 57 | 52 | 47 | 45 | | | | | | | | | | | | | | | | | | | |
| 6 | 71 | 58 | 49 | 43 | 69 | 57 | 49 | 42 | 55 | 48 | 42 | 53 | 47 | 42 | 52 | 46 | 41 | 39 | | | | | | | | | | | | | | | | | | | |
| 7 | 66 | 52 | 44 | 38 | 64 | 52 | 43 | 37 | 50 | 43 | 37 | 49 | 42 | 37 | 47 | 41 | 37 | 35 | | | | | | | | | | | | | | | | | | | |
| 8 | 61 | 48 | 39 | 34 | 60 | 47 | 39 | 33 | 46 | 38 | 33 | 44 | 38 | 33 | 43 | 37 | 33 | 31 | | | | | | | | | | | | | | | | | | | |
| 9 | 57 | 44 | 36 | 30 | 56 | 43 | 35 | 30 | 42 | 35 | 30 | 41 | 34 | 30 | 40 | 34 | 30 | 28 | | | | | | | | | | | | | | | | | | | |
| 10 | 54 | 40 | 32 | 27 | 52 | 40 | 32 | 27 | 39 | 32 | 27 | 38 | 31 | 27 | 37 | 31 | 27 | 25 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 2378 | 2378 | 2378 |
| 5° | 2390 | 2383 | 2385 |
| 10° | 2399 | 2393 | 2394 |
| 15° | 2416 | 2410 | 2418 |
| 20° | 2430 | 2429 | 2433 |
| 25° | 2449 | 2449 | 2444 |
| 30° | 2460 | 2465 | 2449 |
| 35° | 2468 | 2468 | 2437 |
| 40° | 2464 | 2462 | 2404 |
| 45° | 2450 | 2422 | 2344 |
| 50° | 2413 | 2354 | 2248 |
| 55° | 2339 | 2240 | 2118 |
| 60° | 2191 | 2070 | 1941 |
| 65° | 1940 | 1829 | 1708 |
| 70° | 1584 | 1513 | 1596 |
| 75° | 1195 | 1174 | 1054 |
| 80° | 859 | 804 | 804 |
| 85° | 540 | 509 | 448 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 84.0 | 3.3 |
| 10°-20° | 244.6 | 9.7 |
| 20°-30° | 379.7 | 15.1 |
| 30°-40° | 467.7 | 18.6 |
| 40°-50° | 486.9 | 19.3 |
| 50°-60° | 423.4 | 16.8 |
| 60°-70° | 284.5 | 11.3 |
| 70°-80° | 123.1 | 4.9 |
| 80°-90° | 22.6 | 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° | 708.3 | 28.1 |
| 0°-40° | 1176.0 | 46.7 |
| 0°-60° | 2086.3 | 82.9 |
| 0°-90° | 2516.4 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2516.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 884 | 884 | 884 | 884 | 884 | |
| 5° | 885 | 879 | 882 | 884 | 883 | 84 |
| 15° | 867 | 861 | 865 | 868 | 868 | 245 |
| 25° | 825 | 821 | 825 | 825 | 823 | 380 |
| 35° | 751 | 749 | 751 | 745 | 742 | 470 |
| 45° | 644 | 642 | 636 | 622 | 616 | 496 |
| 55° | 498 | 490 | 478 | 458 | 452 | 443 |
| 65° | 305 | 299 | 287 | 274 | 268 | 302 |
| 75° | 115 | 116 | 113 | 115 | 101 | 127 |
| 85° | 18 | 18 | 16 | 14 | 14 | 23 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 883.6 | 883.6 | 883.6 | 883.6 | 883.6 |
| 2.5° | 886.6 | 881.1 | 883.1 | 886.1 | 882.1 |
| 5° | 884.6 | 879.1 | 882.1 | 884.1 | 883.1 |
| 7.5° | 881.6 | 877.6 | 879.1 | 881.1 | 880.6 |
| 10° | 878.1 | 874.1 | 875.6 | 877.6 | 876.1 |
| 12.5° | 872.6 | 868.1 | 871.1 | 873.1 | 872.6 |
| 15° | 867.1 | 861.1 | 865.1 | 868.1 | 868.1 |
| 17.5° | 859.1 | 854.1 | 858.1 | 860.6 | 860.1 |
| 20° | 848.6 | 845.1 | 848.1 | 850.1 | 849.6 |
| 22.5° | 836.6 | 834.1 | 837.6 | 837.6 | 837.6 |
| 25° | 824.7 | 820.7 | 824.7 | 824.7 | 823.2 |
| 27.5° | 809.2 | 805.7 | 810.7 | 809.2 | 806.7 |
| 30° | 791.7 | 789.7 | 793.2 | 790.7 | 788.2 |
| 32.5° | 771.2 | 770.2 | 773.7 | 768.7 | 766.7 |
| 35° | 751.2 | 749.2 | 751.2 | 744.7 | 741.7 |
| 37.5° | 727.8 | 725.8 | 727.8 | 719.3 | 714.8 |
| 40° | 701.3 | 699.8 | 700.8 | 689.8 | 684.3 |
| 42.5° | 673.8 | 672.3 | 669.8 | 656.3 | 651.8 |
| 45° | 643.8 | 641.8 | 636.3 | 621.9 | 615.9 |
| 47.5° | 611.9 | 608.4 | 600.4 | 584.9 | 576.9 |
| 50° | 576.4 | 571.4 | 562.4 | 545.4 | 536.9 |
| 52.5° | 537.9 | 532.0 | 520.5 | 503.5 | 495.5 |
| 55° | 498.5 | 489.5 | 477.5 | 458.5 | 451.5 |
| 57.5° | 453.5 | 444.0 | 431.6 | 414.1 | 406.1 |
| 60° | 407.1 | 397.6 | 384.6 | 368.6 | 360.6 |
| 62.5° | 357.6 | 349.1 | 336.2 | 321.2 | 314.2 |
| 65° | 304.7 | 299.2 | 287.2 | 273.7 | 268.2 |
| 67.5° | 254.7 | 249.2 | 239.3 | 227.8 | 229.8 |
| 70° | 201.3 | 200.8 | 192.3 | 184.3 | 202.8 |
| 72.5° | 156.8 | 155.8 | 151.3 | 147.3 | 146.3 |
| 75° | 114.9 | 115.9 | 112.9 | 115.4 | 101.4 |
| 77.5° | 80.9 | 81.9 | 81.4 | 74.4 | 77.9 |
| 80° | 55.4 | 55.4 | 51.9 | 49.4 | 51.9 |
| 82.5° | 33.5 | 40.0 | 36.0 | 29.5 | 28.5 |
| 85° | 17.5 | 18.0 | 16.5 | 14.5 | 14.5 |
| 87.5° | 6.5 | 7.5 | 6.5 | 6.0 | 5.5 |
| 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)