

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: P412645

Luminaire Tested: **14PD-35-PP3-L927**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P412645
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-35-PP3-L927
Description: 3500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS
Light Source: -
Ballast/Driver: -

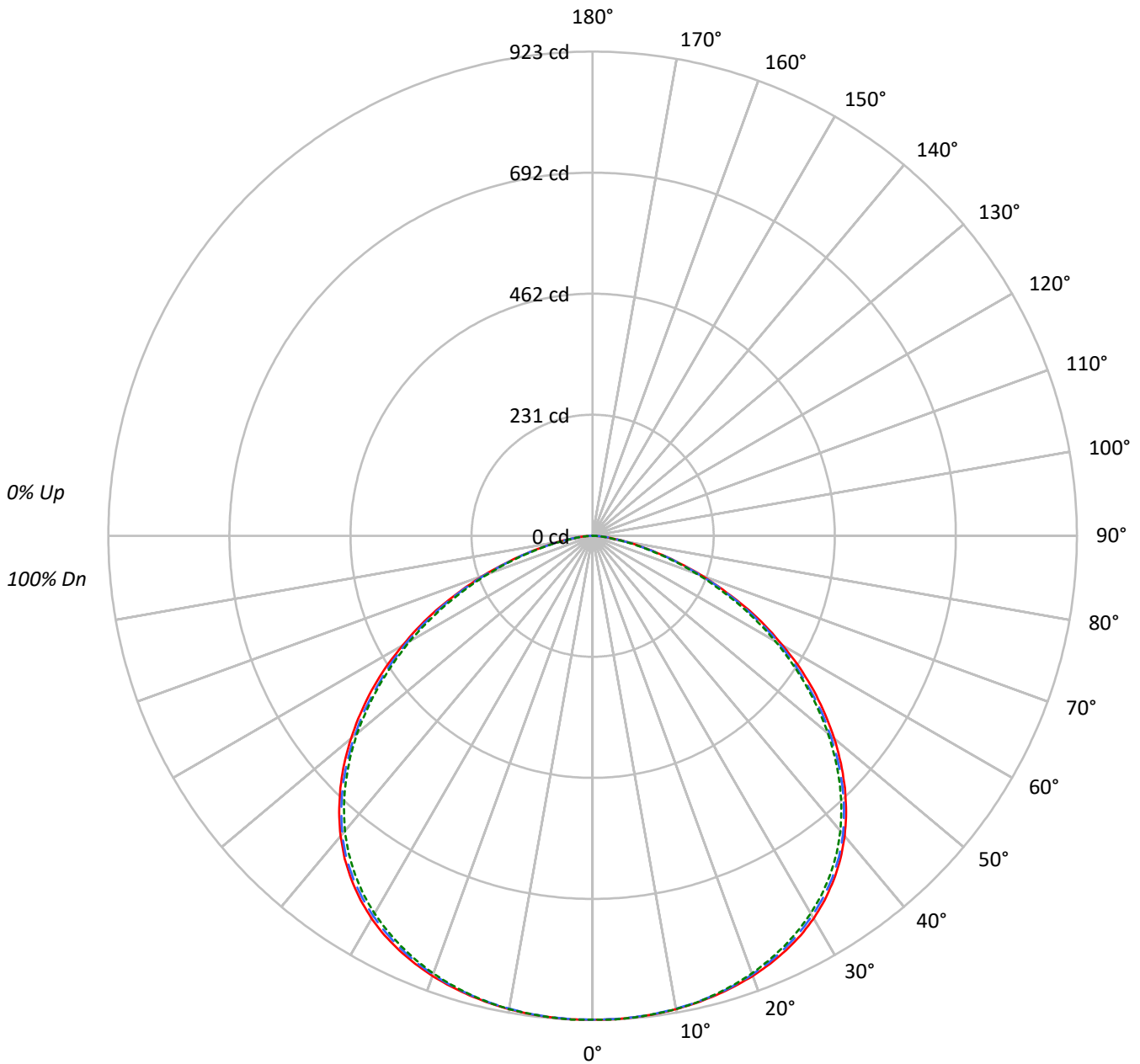
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2684.0 lumens
Efficiency: N/A
Efficacy: 84.4 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
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

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Luminous Intensity Polar Plot





TEST NUMBER: P412645

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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 | 109 | 105 | 101 | 97 | 107 | 103 | 99 | 96 | 98 | 95 | 93 | 95 | 92 | 90 | 91 | 89 | 87 | 85 | | | | | | | | | | | | | | | | | | | |
| 2 | 100 | 92 | 85 | 80 | 97 | 90 | 84 | 79 | 86 | 81 | 77 | 83 | 79 | 75 | 80 | 77 | 74 | 71 | | | | | | | | | | | | | | | | | | | |
| 3 | 91 | 81 | 73 | 66 | 89 | 79 | 72 | 66 | 76 | 70 | 65 | 73 | 68 | 64 | 71 | 66 | 63 | 60 | | | | | | | | | | | | | | | | | | | |
| 4 | 83 | 72 | 63 | 56 | 81 | 70 | 62 | 56 | 68 | 61 | 55 | 65 | 59 | 54 | 63 | 58 | 54 | 52 | | | | | | | | | | | | | | | | | | | |
| 5 | 77 | 64 | 55 | 49 | 75 | 63 | 54 | 48 | 61 | 53 | 48 | 59 | 52 | 47 | 57 | 51 | 47 | 45 | | | | | | | | | | | | | | | | | | | |
| 6 | 71 | 58 | 49 | 42 | 69 | 57 | 48 | 42 | 55 | 47 | 42 | 53 | 46 | 41 | 52 | 46 | 41 | 39 | | | | | | | | | | | | | | | | | | | |
| 7 | 66 | 52 | 43 | 37 | 64 | 51 | 43 | 37 | 50 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 36 | 34 | | | | | | | | | | | | | | | | | | | |
| 8 | 61 | 47 | 39 | 33 | 59 | 47 | 39 | 33 | 45 | 38 | 33 | 44 | 38 | 33 | 43 | 37 | 32 | 31 | | | | | | | | | | | | | | | | | | | |
| 9 | 57 | 44 | 35 | 30 | 55 | 43 | 35 | 30 | 42 | 35 | 30 | 41 | 34 | 29 | 40 | 34 | 29 | 27 | | | | | | | | | | | | | | | | | | | |
| 10 | 53 | 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° | 2482 | 2482 | 2482 |
| 5° | 2489 | 2488 | 2489 |
| 10° | 2504 | 2501 | 2504 |
| 15° | 2527 | 2523 | 2521 |
| 20° | 2557 | 2549 | 2542 |
| 25° | 2589 | 2575 | 2564 |
| 30° | 2618 | 2600 | 2583 |
| 35° | 2632 | 2616 | 2592 |
| 40° | 2625 | 2609 | 2580 |
| 45° | 2587 | 2562 | 2533 |
| 50° | 2516 | 2476 | 2450 |
| 55° | 2412 | 2354 | 2324 |
| 60° | 2248 | 2209 | 2164 |
| 65° | 2038 | 1997 | 1938 |
| 70° | 1739 | 1707 | 1652 |
| 75° | 1358 | 1344 | 1280 |
| 80° | 1001 | 961 | 907 |
| 85° | 605 | 605 | 562 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 87.8 | 3.3 |
| 10°-20° | 256.1 | 9.5 |
| 20°-30° | 400.3 | 14.9 |
| 30°-40° | 497.5 | 18.5 |
| 40°-50° | 518.3 | 19.3 |
| 50°-60° | 449.7 | 16.8 |
| 60°-70° | 309.3 | 11.5 |
| 70°-80° | 139.6 | 5.2 |
| 80°-90° | 25.6 | 1.0 |
| 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° | 744.1 | 27.7 |
| 0°-40° | 1241.6 | 46.3 |
| 0°-60° | 2209.6 | 82.3 |
| 0°-90° | 2684.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2684.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 922 | 922 | 922 | 922 | 922 | |
| 5° | 921 | 922 | 921 | 920 | 922 | 88 |
| 15° | 907 | 907 | 906 | 905 | 905 | 256 |
| 25° | 872 | 872 | 867 | 864 | 863 | 402 |
| 35° | 801 | 801 | 796 | 792 | 789 | 501 |
| 45° | 680 | 680 | 673 | 668 | 666 | 523 |
| 55° | 514 | 511 | 502 | 496 | 495 | 458 |
| 65° | 320 | 319 | 314 | 306 | 304 | 316 |
| 75° | 131 | 131 | 129 | 126 | 123 | 142 |
| 85° | 20 | 19 | 20 | 19 | 18 | 26 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 922.4 | 922.4 | 922.4 | 922.4 | 922.4 |
| 2.5° | 922.7 | 922.7 | 922.1 | 921.3 | 923.2 |
| 5° | 921.3 | 921.6 | 921.1 | 920.3 | 921.6 |
| 7.5° | 919.5 | 919.7 | 918.9 | 918.1 | 919.2 |
| 10° | 916.5 | 916.2 | 915.4 | 914.9 | 916.2 |
| 12.5° | 912.2 | 912.0 | 911.1 | 910.6 | 911.7 |
| 15° | 906.9 | 906.9 | 905.5 | 904.7 | 905.0 |
| 17.5° | 900.4 | 900.4 | 898.5 | 896.7 | 897.2 |
| 20° | 892.9 | 892.6 | 890.0 | 888.1 | 887.8 |
| 22.5° | 883.5 | 883.5 | 879.8 | 877.4 | 876.5 |
| 25° | 872.0 | 871.7 | 867.4 | 863.9 | 863.4 |
| 27.5° | 858.8 | 858.3 | 853.2 | 849.7 | 848.4 |
| 30° | 842.5 | 841.9 | 836.6 | 832.8 | 831.2 |
| 32.5° | 823.2 | 824.0 | 817.8 | 813.5 | 811.9 |
| 35° | 801.2 | 801.2 | 796.3 | 791.8 | 789.1 |
| 37.5° | 776.0 | 776.0 | 771.4 | 766.8 | 763.6 |
| 40° | 747.3 | 747.5 | 742.7 | 737.1 | 734.4 |
| 42.5° | 715.1 | 715.6 | 709.2 | 704.6 | 701.7 |
| 45° | 679.9 | 680.2 | 673.2 | 668.1 | 665.7 |
| 47.5° | 641.9 | 641.3 | 633.5 | 629.2 | 626.8 |
| 50° | 601.1 | 600.0 | 591.4 | 587.4 | 585.3 |
| 52.5° | 558.4 | 556.3 | 548.8 | 542.9 | 541.0 |
| 55° | 514.2 | 511.2 | 501.8 | 495.9 | 495.4 |
| 57.5° | 468.0 | 464.6 | 456.8 | 451.1 | 449.0 |
| 60° | 417.6 | 416.8 | 410.4 | 403.7 | 402.1 |
| 62.5° | 370.4 | 368.0 | 362.4 | 354.3 | 353.5 |
| 65° | 320.0 | 318.6 | 313.6 | 306.0 | 304.4 |
| 67.5° | 268.0 | 269.3 | 265.0 | 258.3 | 256.2 |
| 70° | 221.0 | 221.8 | 217.0 | 210.8 | 210.0 |
| 72.5° | 173.8 | 175.1 | 171.1 | 167.1 | 166.3 |
| 75° | 130.6 | 131.2 | 129.3 | 125.8 | 123.1 |
| 77.5° | 92.8 | 94.7 | 92.5 | 90.1 | 88.0 |
| 80° | 64.6 | 61.7 | 62.0 | 60.9 | 58.5 |
| 82.5° | 38.9 | 37.6 | 37.3 | 36.2 | 35.1 |
| 85° | 19.6 | 19.3 | 19.6 | 19.3 | 18.2 |
| 87.5° | 6.4 | 7.0 | 7.2 | 7.2 | 6.7 |
| 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)