

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: P738086

Luminaire Tested: **22PT-25-PB1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738086
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-25-PB1-L950
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

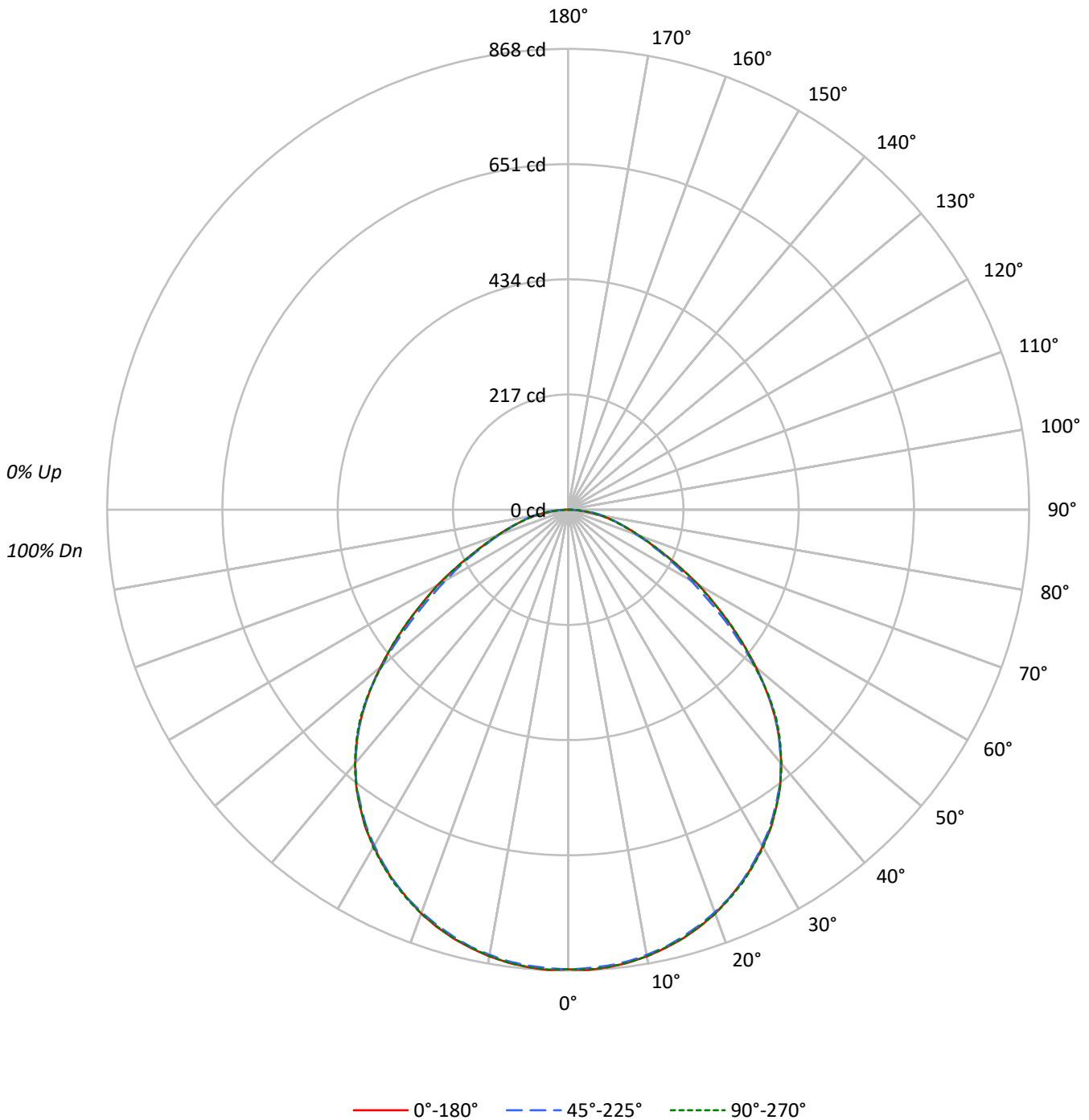
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2183.0 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 18.6
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 | 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 | 88 | 86 |
| 2 | 100 | 93 | 86 | 81 | 98 | 91 | 85 | 80 | 87 | 82 | 78 | | 84 | 80 | 76 | | 81 | 78 | 75 | 73 |
| 3 | 92 | 82 | 74 | 68 | 90 | 81 | 73 | 68 | 78 | 72 | 67 | | 75 | 70 | 65 | | 72 | 68 | 64 | 62 |
| 4 | 85 | 73 | 65 | 59 | 82 | 72 | 64 | 58 | 69 | 63 | 57 | | 67 | 61 | 57 | | 65 | 60 | 56 | 54 |
| 5 | 78 | 66 | 57 | 51 | 76 | 65 | 57 | 51 | 63 | 55 | 50 | | 61 | 54 | 50 | | 59 | 53 | 49 | 47 |
| 6 | 72 | 59 | 51 | 45 | 70 | 59 | 50 | 44 | 57 | 50 | 44 | | 55 | 49 | 44 | | 54 | 48 | 43 | 41 |
| 7 | 67 | 54 | 46 | 40 | 65 | 53 | 45 | 40 | 52 | 45 | 39 | | 50 | 44 | 39 | | 49 | 43 | 39 | 37 |
| 8 | 63 | 49 | 41 | 36 | 61 | 49 | 41 | 35 | 47 | 40 | 35 | | 46 | 40 | 35 | | 45 | 39 | 35 | 33 |
| 9 | 58 | 45 | 37 | 32 | 57 | 45 | 37 | 32 | 44 | 37 | 32 | | 43 | 36 | 32 | | 42 | 36 | 31 | 30 |
| 10 | 55 | 42 | 34 | 29 | 54 | 41 | 34 | 29 | 40 | 34 | 29 | | 40 | 33 | 29 | | 39 | 33 | 29 | 27 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 2537 | 2537 | 2537 |
| 5° | 2544 | 2535 | 2544 |
| 10° | 2541 | 2533 | 2541 |
| 15° | 2536 | 2526 | 2535 |
| 20° | 2523 | 2515 | 2524 |
| 25° | 2502 | 2500 | 2508 |
| 30° | 2477 | 2471 | 2484 |
| 35° | 2444 | 2435 | 2444 |
| 40° | 2387 | 2381 | 2389 |
| 45° | 2279 | 2284 | 2293 |
| 50° | 2105 | 2087 | 2090 |
| 55° | 1881 | 1818 | 1888 |
| 60° | 1660 | 1559 | 1650 |
| 65° | 1391 | 1347 | 1391 |
| 70° | 1206 | 1173 | 1212 |
| 75° | 1099 | 1115 | 1099 |
| 80° | 1033 | 1122 | 1039 |
| 85° | 898 | 1099 | 925 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 82.1 | 3.8 |
| 10°-20° | 235.4 | 10.8 |
| 20°-30° | 356.5 | 16.3 |
| 30°-40° | 426.4 | 19.5 |
| 40°-50° | 422.2 | 19.3 |
| 50°-60° | 324.6 | 14.9 |
| 60°-70° | 197.7 | 9.1 |
| 70°-80° | 104.6 | 4.8 |
| 80°-90° | 33.5 | 1.5 |
| 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° | 674.1 | 30.9 |
| 0°-40° | 1100.4 | 50.4 |
| 0°-60° | 1847.2 | 84.6 |
| 0°-90° | 2183.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2183.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 866 | 866 | 866 | 866 | 866 | |
| 5° | 865 | 864 | 862 | 863 | 865 | 82 |
| 15° | 836 | 834 | 833 | 834 | 836 | 236 |
| 25° | 774 | 773 | 773 | 774 | 776 | 357 |
| 35° | 683 | 682 | 681 | 683 | 683 | 427 |
| 45° | 550 | 550 | 551 | 552 | 553 | 422 |
| 55° | 368 | 363 | 356 | 362 | 370 | 330 |
| 65° | 201 | 196 | 194 | 194 | 201 | 203 |
| 75° | 97 | 97 | 98 | 98 | 97 | 104 |
| 85° | 27 | 31 | 33 | 31 | 28 | 31 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 865.8 | 865.8 | 865.8 | 865.8 | 865.8 |
| 2.5° | 867.9 | 866.5 | 864.1 | 865.8 | 866.9 |
| 5° | 864.8 | 864.4 | 862.0 | 863.4 | 864.8 |
| 7.5° | 860.9 | 859.8 | 858.1 | 859.5 | 860.5 |
| 10° | 854.2 | 853.5 | 851.4 | 853.2 | 853.9 |
| 12.5° | 845.8 | 845.1 | 843.7 | 845.1 | 844.7 |
| 15° | 835.9 | 834.5 | 832.7 | 834.5 | 835.6 |
| 17.5° | 823.6 | 822.2 | 820.8 | 821.8 | 822.5 |
| 20° | 809.2 | 807.0 | 806.7 | 808.1 | 809.5 |
| 22.5° | 791.9 | 791.9 | 791.6 | 792.6 | 793.3 |
| 25° | 774.0 | 773.3 | 773.3 | 774.3 | 775.7 |
| 27.5° | 754.6 | 753.2 | 752.5 | 754.3 | 755.3 |
| 30° | 732.1 | 731.7 | 730.3 | 733.1 | 734.2 |
| 32.5° | 710.3 | 706.7 | 707.4 | 708.9 | 709.2 |
| 35° | 683.2 | 682.5 | 680.7 | 682.8 | 683.2 |
| 37.5° | 655.7 | 655.4 | 654.3 | 655.0 | 655.4 |
| 40° | 624.0 | 623.7 | 622.6 | 624.0 | 624.7 |
| 42.5° | 588.8 | 588.1 | 588.1 | 589.2 | 590.2 |
| 45° | 550.1 | 550.5 | 551.2 | 551.5 | 553.3 |
| 47.5° | 506.8 | 507.5 | 508.2 | 507.5 | 507.9 |
| 50° | 461.8 | 461.4 | 457.9 | 460.4 | 458.6 |
| 52.5° | 414.3 | 409.0 | 406.2 | 411.8 | 415.7 |
| 55° | 368.2 | 363.2 | 355.8 | 362.2 | 369.6 |
| 57.5° | 323.8 | 315.4 | 307.6 | 315.0 | 322.4 |
| 60° | 283.3 | 270.3 | 266.1 | 270.7 | 281.6 |
| 62.5° | 240.0 | 230.9 | 229.5 | 230.2 | 239.7 |
| 65° | 200.6 | 195.7 | 194.3 | 193.9 | 200.6 |
| 67.5° | 168.2 | 165.1 | 163.3 | 164.7 | 168.9 |
| 70° | 140.8 | 139.4 | 136.9 | 139.4 | 141.5 |
| 72.5° | 118.3 | 117.9 | 115.8 | 117.9 | 117.2 |
| 75° | 97.1 | 97.1 | 98.5 | 97.8 | 97.1 |
| 77.5° | 79.2 | 79.9 | 82.4 | 80.2 | 78.1 |
| 80° | 61.2 | 63.0 | 66.5 | 63.4 | 61.6 |
| 82.5° | 43.6 | 47.5 | 51.4 | 47.5 | 45.1 |
| 85° | 26.7 | 30.6 | 32.7 | 31.0 | 27.5 |
| 87.5° | 11.6 | 13.7 | 14.4 | 13.4 | 11.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)