

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: P738097

Luminaire Tested: **22PT-25-PL1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738097
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-25-PL1-L840
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

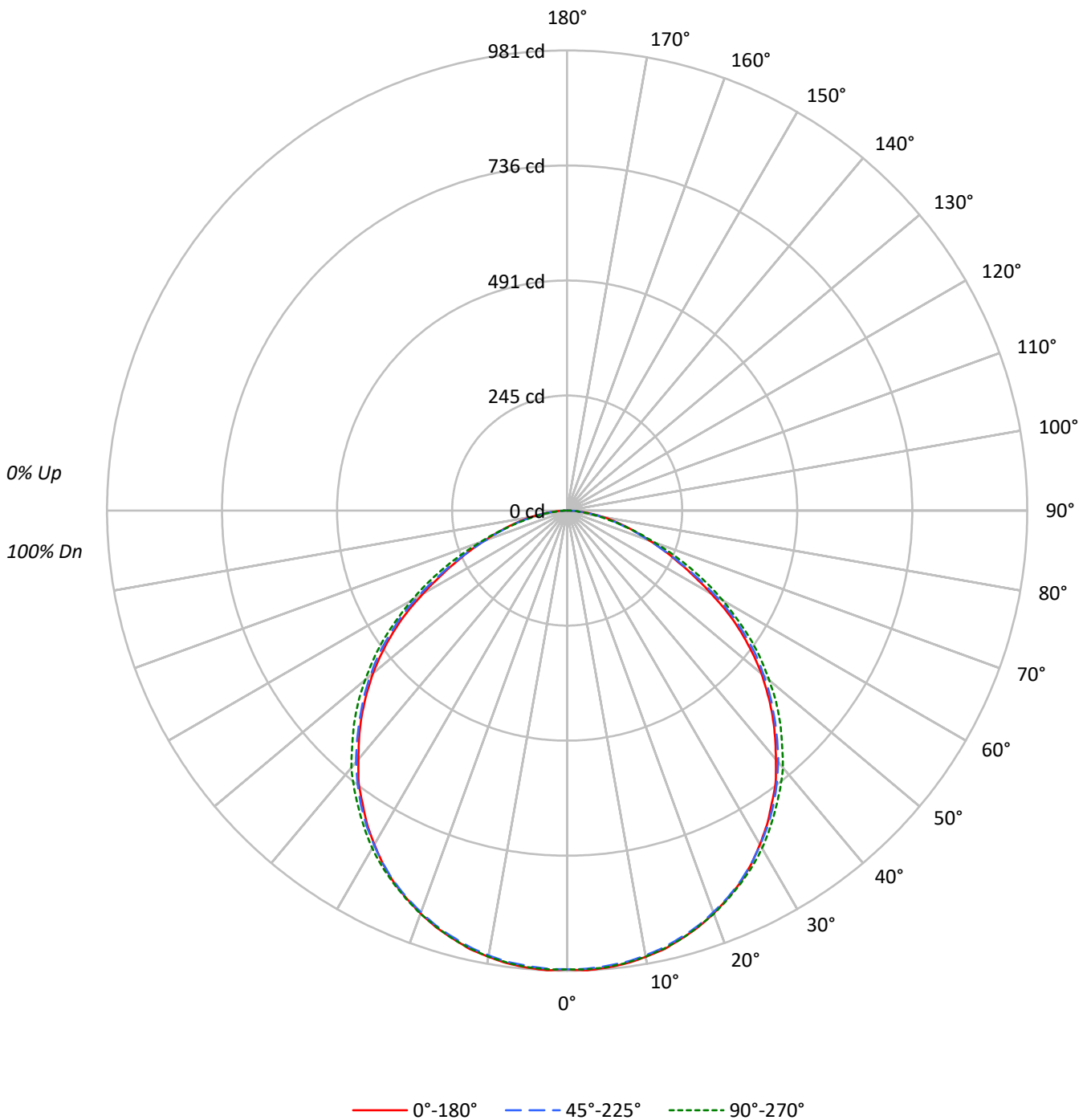
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2577.0 lumens
Efficiency: N/A
Efficacy: 138.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 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 (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 | | | | 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 | 109 | 105 | 101 | 97 | 107 | 103 | 99 | 96 | 98 | 95 | 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 | 80 | 72 | 67 | 77 | 71 | 65 | 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 | 50 | 75 | 64 | 55 | 49 | 62 | 54 | 49 | 60 | 53 | 48 | 58 | 52 | 48 | 46 |
| 6 | 71 | 58 | 50 | 43 | 70 | 57 | 49 | 43 | 56 | 48 | 43 | 54 | 47 | 42 | 52 | 47 | 42 | 40 |
| 7 | 66 | 53 | 44 | 38 | 65 | 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 | 39 | 34 | 44 | 38 | 34 | 32 |
| 9 | 58 | 44 | 36 | 31 | 56 | 44 | 36 | 31 | 43 | 36 | 31 | 42 | 35 | 31 | 41 | 35 | 30 | 29 |
| 10 | 54 | 41 | 33 | 28 | 53 | 41 | 33 | 28 | 40 | 33 | 28 | 39 | 32 | 28 | 38 | 32 | 28 | 26 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 2866 | 2866 | 2866 |
| 5° | 2877 | 2866 | 2873 |
| 10° | 2875 | 2865 | 2872 |
| 15° | 2865 | 2856 | 2866 |
| 20° | 2850 | 2841 | 2852 |
| 25° | 2827 | 2822 | 2834 |
| 30° | 2780 | 2786 | 2812 |
| 35° | 2721 | 2741 | 2773 |
| 40° | 2647 | 2677 | 2737 |
| 45° | 2566 | 2588 | 2662 |
| 50° | 2465 | 2495 | 2562 |
| 55° | 2314 | 2361 | 2434 |
| 60° | 2081 | 2151 | 2243 |
| 65° | 1823 | 1860 | 2000 |
| 70° | 1600 | 1587 | 1689 |
| 75° | 1439 | 1379 | 1383 |
| 80° | 1291 | 1222 | 1090 |
| 85° | 1022 | 1009 | 830 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 92.8 | 3.6 |
| 10°-20° | 266.0 | 10.3 |
| 20°-30° | 402.3 | 15.6 |
| 30°-40° | 479.7 | 18.6 |
| 40°-50° | 484.3 | 18.8 |
| 50°-60° | 413.2 | 16.0 |
| 60°-70° | 271.5 | 10.5 |
| 70°-80° | 132.9 | 5.2 |
| 80°-90° | 34.2 | 1.3 |
| 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° | 761.1 | 29.5 |
| 0°-40° | 1240.8 | 48.1 |
| 0°-60° | 2138.3 | 83.0 |
| 0°-90° | 2577.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2577.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 978 | 978 | 978 | 978 | 978 | |
| 5° | 978 | 976 | 974 | 974 | 977 | 93 |
| 15° | 944 | 943 | 942 | 942 | 945 | 267 |
| 25° | 874 | 872 | 873 | 874 | 876 | 402 |
| 35° | 761 | 763 | 766 | 772 | 775 | 476 |
| 45° | 619 | 621 | 625 | 637 | 642 | 477 |
| 55° | 453 | 456 | 462 | 473 | 476 | 403 |
| 65° | 263 | 263 | 268 | 281 | 288 | 263 |
| 75° | 127 | 126 | 122 | 121 | 122 | 136 |
| 85° | 30 | 30 | 30 | 28 | 25 | 37 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 978.1 | 978.1 | 978.1 | 978.1 | 978.1 |
| 2.5° | 981.0 | 978.9 | 977.7 | 976.9 | 978.9 |
| 5° | 978.1 | 976.0 | 974.4 | 974.4 | 976.9 |
| 7.5° | 973.6 | 971.5 | 970.3 | 969.9 | 972.3 |
| 10° | 966.2 | 963.7 | 962.9 | 962.5 | 965.3 |
| 12.5° | 957.5 | 953.8 | 953.8 | 953.4 | 956.3 |
| 15° | 944.4 | 942.7 | 941.5 | 941.9 | 944.8 |
| 17.5° | 930.8 | 929.1 | 928.3 | 928.3 | 929.9 |
| 20° | 913.9 | 911.8 | 911.0 | 911.8 | 914.7 |
| 22.5° | 894.6 | 893.3 | 893.3 | 894.2 | 896.2 |
| 25° | 874.4 | 872.3 | 872.8 | 874.0 | 876.5 |
| 27.5° | 849.7 | 849.3 | 849.3 | 852.2 | 855.1 |
| 30° | 821.7 | 821.7 | 823.4 | 827.5 | 831.2 |
| 32.5° | 793.3 | 792.9 | 796.2 | 799.9 | 804.0 |
| 35° | 760.8 | 762.9 | 766.2 | 771.5 | 775.2 |
| 37.5° | 730.4 | 730.0 | 734.1 | 743.5 | 746.0 |
| 40° | 692.1 | 695.0 | 699.9 | 709.4 | 715.6 |
| 42.5° | 656.3 | 658.4 | 662.9 | 674.0 | 678.1 |
| 45° | 619.3 | 620.9 | 624.6 | 637.0 | 642.3 |
| 47.5° | 580.2 | 582.2 | 587.6 | 597.9 | 604.1 |
| 50° | 540.7 | 543.6 | 547.3 | 557.1 | 562.1 |
| 52.5° | 497.5 | 501.2 | 507.8 | 516.8 | 520.5 |
| 55° | 453.0 | 455.5 | 462.1 | 472.8 | 476.5 |
| 57.5° | 406.5 | 408.6 | 418.1 | 425.9 | 428.8 |
| 60° | 355.1 | 357.6 | 367.0 | 379.4 | 382.7 |
| 62.5° | 306.6 | 308.6 | 316.8 | 331.7 | 336.6 |
| 65° | 262.9 | 262.9 | 268.3 | 280.6 | 288.4 |
| 67.5° | 224.3 | 223.4 | 224.3 | 233.7 | 242.0 |
| 70° | 186.8 | 187.2 | 185.2 | 190.9 | 197.1 |
| 72.5° | 156.0 | 156.0 | 151.8 | 152.7 | 157.6 |
| 75° | 127.1 | 125.9 | 121.8 | 121.0 | 122.2 |
| 77.5° | 101.6 | 99.6 | 96.3 | 93.8 | 90.9 |
| 80° | 76.5 | 74.9 | 72.4 | 68.7 | 64.6 |
| 82.5° | 53.5 | 51.8 | 50.2 | 48.1 | 44.0 |
| 85° | 30.4 | 30.4 | 30.0 | 27.6 | 24.7 |
| 87.5° | 12.3 | 11.9 | 11.5 | 11.1 | 10.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)