

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: P738091

Luminaire Tested: **22PT-25-PC3-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738091
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P413056)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-25-PC3-L930
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

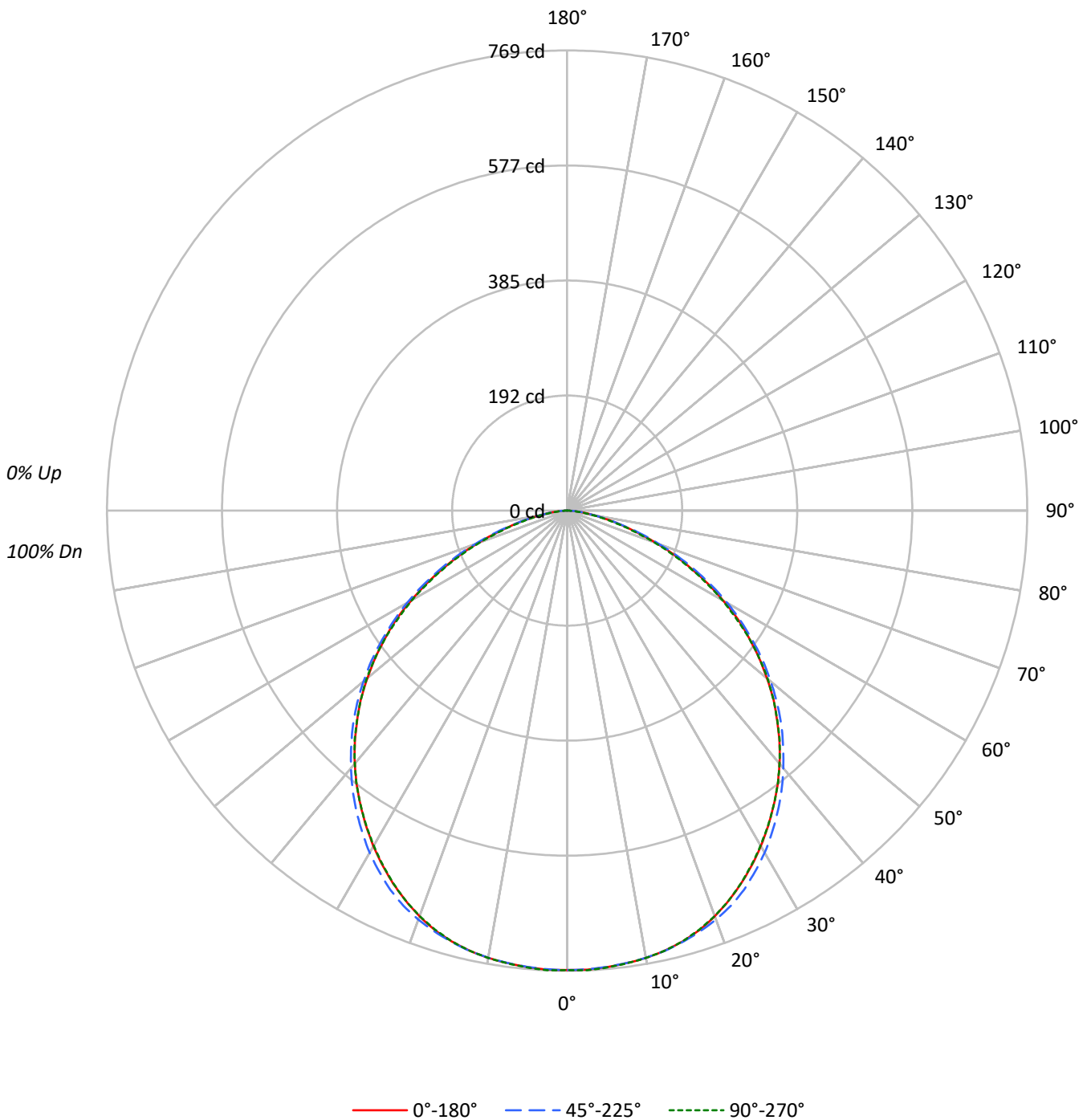
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2063.0 lumens
Efficiency: N/A
Efficacy: 110.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
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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CATALOG NUMBER: 22PT-25-PC3-L930

Luminous Intensity Polar Plot





TEST NUMBER: P738091

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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 | 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 | 80 | 72 | 67 | 77 | 70 | 65 | 74 | 69 | 64 | 71 | 67 | 63 | 61 |
| 4 | 84 | 72 | 64 | 57 | 82 | 71 | 63 | 57 | 68 | 61 | 56 | 66 | 60 | 55 | 64 | 59 | 54 | 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 | 62 | 48 | 40 | 34 | 60 | 48 | 40 | 34 | 46 | 39 | 34 | 45 | 38 | 34 | 44 | 38 | 33 | 31 |
| 9 | 58 | 44 | 36 | 31 | 56 | 44 | 36 | 31 | 43 | 35 | 30 | 41 | 35 | 30 | 40 | 34 | 30 | 28 |
| 10 | 54 | 41 | 33 | 28 | 53 | 40 | 33 | 28 | 39 | 32 | 28 | 38 | 32 | 28 | 38 | 32 | 27 | 26 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 2250 | 2250 | 2250 |
| 5° | 2253 | 2252 | 2254 |
| 10° | 2259 | 2258 | 2259 |
| 15° | 2261 | 2264 | 2261 |
| 20° | 2250 | 2268 | 2248 |
| 25° | 2224 | 2260 | 2222 |
| 30° | 2191 | 2234 | 2187 |
| 35° | 2153 | 2196 | 2153 |
| 40° | 2112 | 2150 | 2112 |
| 45° | 2057 | 2097 | 2060 |
| 50° | 1987 | 2025 | 1994 |
| 55° | 1894 | 1931 | 1894 |
| 60° | 1766 | 1811 | 1755 |
| 65° | 1585 | 1641 | 1565 |
| 70° | 1356 | 1404 | 1316 |
| 75° | 1075 | 1106 | 1020 |
| 80° | 771 | 800 | 734 |
| 85° | 508 | 524 | 477 |



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CATALOG NUMBER: 22PT-25-PC3-L930

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 72.9 | 3.5 |
| 10°-20° | 210.4 | 10.2 |
| 20°-30° | 319.3 | 15.5 |
| 30°-40° | 381.3 | 18.5 |
| 40°-50° | 387.8 | 18.8 |
| 50°-60° | 335.4 | 16.3 |
| 60°-70° | 230.8 | 11.2 |
| 70°-80° | 104.8 | 5.1 |
| 80°-90° | 20.3 | 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° | 602.6 | 29.2 |
| 0°-40° | 983.9 | 47.7 |
| 0°-60° | 1707.1 | 82.8 |
| 0°-90° | 2063.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2063.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 768 | 768 | 768 | 768 | 768 | |
| 5° | 766 | 765 | 766 | 766 | 766 | 73 |
| 15° | 745 | 746 | 746 | 745 | 745 | 210 |
| 25° | 688 | 694 | 699 | 693 | 687 | 317 |
| 35° | 602 | 613 | 614 | 612 | 602 | 376 |
| 45° | 496 | 505 | 506 | 506 | 497 | 383 |
| 55° | 371 | 377 | 378 | 377 | 371 | 331 |
| 65° | 229 | 235 | 237 | 235 | 226 | 227 |
| 75° | 95 | 99 | 98 | 97 | 90 | 102 |
| 85° | 15 | 16 | 16 | 15 | 14 | 20 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 767.9 | 767.9 | 767.9 | 767.9 | 767.9 |
| 2.5° | 767.9 | 767.0 | 767.2 | 767.4 | 768.9 |
| 5° | 766.0 | 765.2 | 765.5 | 765.5 | 766.5 |
| 7.5° | 762.8 | 762.6 | 762.6 | 762.3 | 763.1 |
| 10° | 759.1 | 758.7 | 758.9 | 758.7 | 759.1 |
| 12.5° | 753.5 | 753.5 | 753.7 | 753.0 | 753.5 |
| 15° | 745.4 | 745.9 | 746.4 | 745.2 | 745.2 |
| 17.5° | 735.2 | 736.4 | 737.6 | 735.4 | 734.2 |
| 20° | 721.5 | 724.5 | 727.4 | 723.9 | 721.1 |
| 22.5° | 705.6 | 710.5 | 715.0 | 709.5 | 705.6 |
| 25° | 687.8 | 693.9 | 699.1 | 692.7 | 687.3 |
| 27.5° | 668.5 | 675.4 | 680.2 | 674.9 | 667.5 |
| 30° | 647.5 | 655.8 | 660.2 | 655.1 | 646.5 |
| 32.5° | 625.1 | 634.8 | 637.5 | 634.3 | 624.5 |
| 35° | 601.8 | 612.6 | 613.8 | 611.6 | 601.8 |
| 37.5° | 577.7 | 587.9 | 588.9 | 587.7 | 577.7 |
| 40° | 552.2 | 561.8 | 562.0 | 562.0 | 552.2 |
| 42.5° | 525.2 | 534.4 | 534.4 | 534.1 | 525.9 |
| 45° | 496.3 | 505.4 | 506.1 | 505.6 | 497.1 |
| 47.5° | 467.8 | 474.6 | 475.8 | 474.8 | 467.3 |
| 50° | 435.8 | 442.8 | 444.3 | 443.3 | 437.5 |
| 52.5° | 404.0 | 410.6 | 412.1 | 411.3 | 404.7 |
| 55° | 370.8 | 377.1 | 378.1 | 377.4 | 370.8 |
| 57.5° | 338.8 | 342.9 | 343.9 | 342.4 | 334.1 |
| 60° | 301.4 | 307.3 | 309.0 | 307.3 | 299.5 |
| 62.5° | 265.3 | 271.6 | 273.1 | 270.6 | 262.3 |
| 65° | 228.6 | 234.9 | 236.7 | 234.7 | 225.7 |
| 67.5° | 194.0 | 198.6 | 200.1 | 197.9 | 189.5 |
| 70° | 158.3 | 164.2 | 163.9 | 160.9 | 153.6 |
| 72.5° | 123.1 | 131.1 | 129.7 | 128.0 | 119.9 |
| 75° | 95.0 | 98.7 | 97.7 | 96.7 | 90.1 |
| 77.5° | 67.9 | 72.3 | 69.9 | 70.1 | 64.5 |
| 80° | 45.7 | 49.8 | 47.4 | 46.4 | 43.5 |
| 82.5° | 29.1 | 30.8 | 30.3 | 29.8 | 27.1 |
| 85° | 15.1 | 16.1 | 15.6 | 15.1 | 14.2 |
| 87.5° | 5.9 | 6.4 | 5.9 | 5.9 | 5.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)