

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: METALUX

Report Number: P568347

Luminaire Tested: **22CGTX-25HE-L930**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568347
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2205-645-17)
Test Lab: INNOVATION CENTER
Issue Date: 9/19/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CGTX-25HE-L930
Description: 2X2 2500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

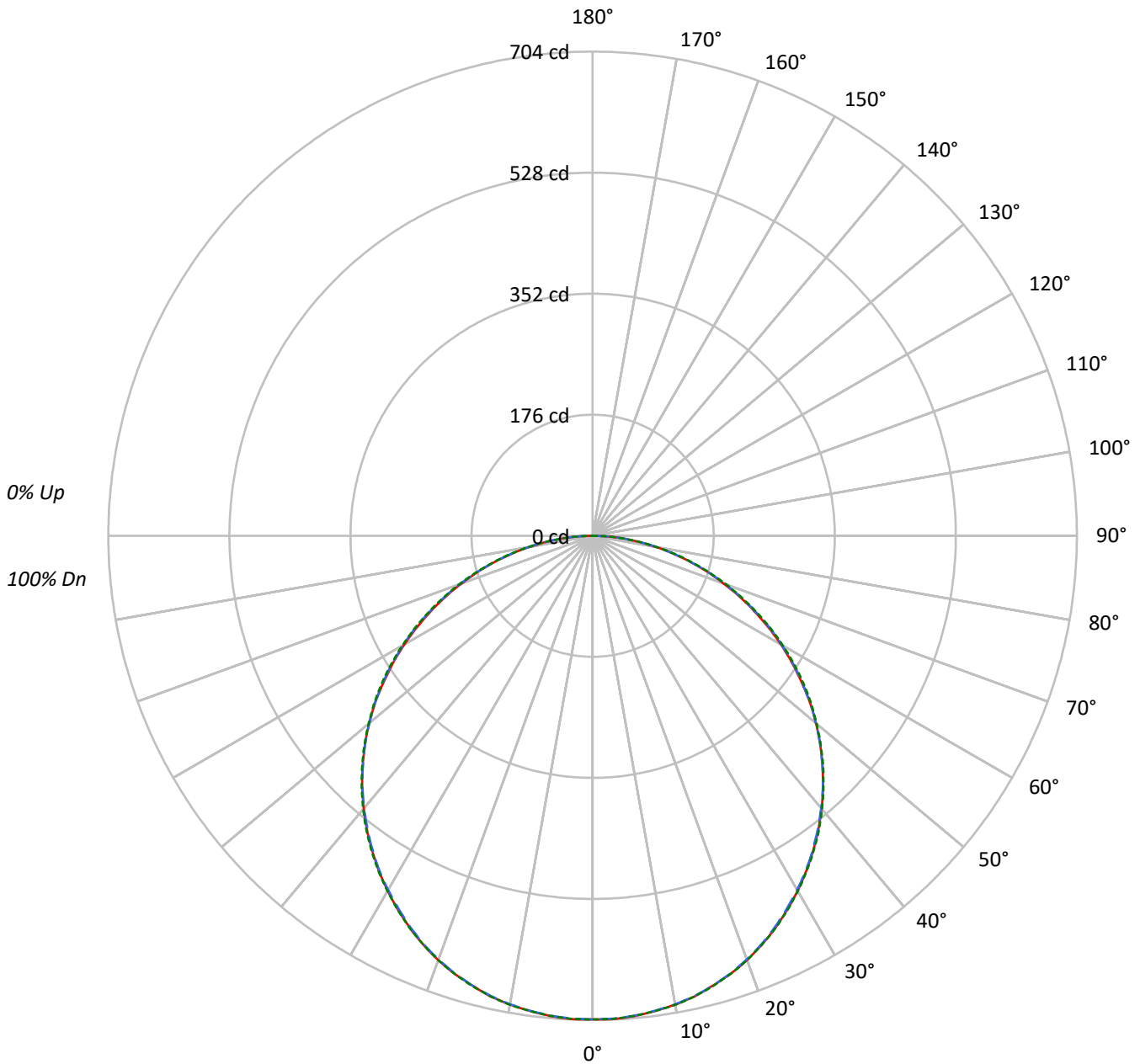
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2058.0 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 19.2
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 | 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 | 108 | 103 | 99 | 95 | 106 | 101 | 97 | 93 | 97 | 94 | 90 | 93 | 90 | 88 | 89 | 87 | 85 | 83 | | | |
| 2 | 98 | 90 | 83 | 77 | 96 | 88 | 81 | 76 | 84 | 79 | 74 | 81 | 77 | 73 | 78 | 74 | 71 | 69 | | | |
| 3 | 89 | 79 | 70 | 64 | 87 | 77 | 69 | 63 | 74 | 67 | 62 | 71 | 66 | 61 | 69 | 64 | 60 | 58 | | | |
| 4 | 82 | 70 | 61 | 54 | 80 | 68 | 60 | 53 | 66 | 58 | 53 | 63 | 57 | 52 | 61 | 56 | 51 | 49 | | | |
| 5 | 75 | 62 | 53 | 46 | 73 | 61 | 52 | 46 | 59 | 51 | 45 | 57 | 50 | 45 | 55 | 49 | 44 | 42 | | | |
| 6 | 69 | 56 | 47 | 40 | 67 | 55 | 46 | 40 | 53 | 45 | 40 | 51 | 45 | 39 | 50 | 44 | 39 | 37 | | | |
| 7 | 64 | 51 | 42 | 35 | 63 | 50 | 41 | 35 | 48 | 41 | 35 | 47 | 40 | 35 | 45 | 39 | 35 | 33 | | | |
| 8 | 60 | 46 | 38 | 32 | 58 | 45 | 37 | 32 | 44 | 37 | 31 | 43 | 36 | 31 | 42 | 36 | 31 | 29 | | | |
| 9 | 56 | 42 | 34 | 28 | 54 | 42 | 34 | 28 | 41 | 33 | 28 | 39 | 33 | 28 | 38 | 32 | 28 | 26 | | | |
| 10 | 52 | 39 | 31 | 26 | 51 | 39 | 31 | 26 | 38 | 30 | 26 | 37 | 30 | 25 | 36 | 30 | 25 | 24 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 1892 | 1892 | 1892 |
| 5° | 1894 | 1892 | 1893 |
| 10° | 1892 | 1890 | 1893 |
| 15° | 1886 | 1886 | 1888 |
| 20° | 1880 | 1877 | 1880 |
| 25° | 1867 | 1863 | 1868 |
| 30° | 1852 | 1848 | 1854 |
| 35° | 1836 | 1832 | 1839 |
| 40° | 1819 | 1815 | 1823 |
| 45° | 1799 | 1797 | 1804 |
| 50° | 1775 | 1773 | 1779 |
| 55° | 1739 | 1744 | 1756 |
| 60° | 1701 | 1708 | 1720 |
| 65° | 1651 | 1662 | 1675 |
| 70° | 1593 | 1610 | 1624 |
| 75° | 1530 | 1541 | 1560 |
| 80° | 1438 | 1455 | 1466 |
| 85° | 1309 | 1318 | 1340 |



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 CATALOG NUMBER: 22CGTX-25HE-L930

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 66.6 | 3.2 |
| 10°-20° | 191.0 | 9.3 |
| 20°-30° | 289.5 | 14.1 |
| 30°-40° | 349.6 | 17.0 |
| 40°-50° | 364.8 | 17.7 |
| 50°-60° | 332.7 | 16.2 |
| 60°-70° | 258.6 | 12.6 |
| 70°-80° | 156.9 | 7.6 |
| 80°-90° | 48.3 | 2.3 |
| 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° | 547.1 | 26.6 |
| 0°-40° | 896.8 | 43.6 |
| 0°-60° | 1594.2 | 77.5 |
| 0°-90° | 2058.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2058.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 703 | 703 | 703 | 703 | 703 | |
| 5° | 701 | 700 | 700 | 700 | 701 | 67 |
| 15° | 677 | 677 | 677 | 677 | 678 | 191 |
| 25° | 629 | 628 | 628 | 628 | 629 | 290 |
| 35° | 559 | 558 | 558 | 560 | 560 | 350 |
| 45° | 473 | 472 | 472 | 474 | 474 | 365 |
| 55° | 371 | 371 | 372 | 373 | 374 | 332 |
| 65° | 259 | 260 | 261 | 262 | 263 | 257 |
| 75° | 147 | 147 | 148 | 150 | 150 | 156 |
| 85° | 42 | 43 | 43 | 44 | 43 | 48 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P568347

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 703.2 | 703.2 | 703.2 | 703.2 | 703.2 |
| 2.5° | 703.5 | 702.5 | 702.5 | 702.1 | 703.2 |
| 5° | 701.1 | 700.0 | 700.4 | 700.0 | 700.7 |
| 7.5° | 696.9 | 696.2 | 696.5 | 696.2 | 696.9 |
| 10° | 692.3 | 691.6 | 691.6 | 691.6 | 692.7 |
| 12.5° | 686.0 | 685.3 | 685.3 | 685.3 | 686.0 |
| 15° | 676.9 | 676.9 | 676.9 | 676.9 | 677.6 |
| 17.5° | 667.8 | 666.7 | 667.1 | 666.7 | 667.8 |
| 20° | 656.6 | 655.2 | 655.5 | 655.5 | 656.6 |
| 22.5° | 643.6 | 642.2 | 642.6 | 642.6 | 643.3 |
| 25° | 628.9 | 627.5 | 627.5 | 628.5 | 629.3 |
| 27.5° | 612.8 | 611.7 | 611.4 | 613.1 | 613.5 |
| 30° | 596.0 | 595.3 | 594.6 | 596.3 | 596.7 |
| 32.5° | 578.1 | 577.4 | 577.0 | 578.8 | 578.8 |
| 35° | 558.8 | 558.1 | 557.8 | 559.9 | 559.9 |
| 37.5° | 538.9 | 538.5 | 537.8 | 539.9 | 540.3 |
| 40° | 517.8 | 517.1 | 516.8 | 518.9 | 518.9 |
| 42.5° | 495.8 | 495.1 | 495.4 | 497.2 | 496.8 |
| 45° | 472.6 | 472.3 | 472.3 | 474.4 | 474.0 |
| 47.5° | 448.8 | 448.1 | 448.5 | 450.6 | 449.9 |
| 50° | 423.9 | 423.2 | 423.6 | 425.7 | 425.0 |
| 52.5° | 398.4 | 397.7 | 398.4 | 400.5 | 400.5 |
| 55° | 370.7 | 371.4 | 371.7 | 372.8 | 374.2 |
| 57.5° | 343.7 | 344.1 | 345.5 | 346.2 | 347.2 |
| 60° | 316.0 | 316.7 | 317.4 | 318.8 | 319.5 |
| 62.5° | 287.6 | 288.7 | 290.8 | 290.8 | 291.5 |
| 65° | 259.3 | 260.0 | 261.0 | 262.1 | 263.1 |
| 67.5° | 231.2 | 231.6 | 233.3 | 233.7 | 234.7 |
| 70° | 202.5 | 202.9 | 204.6 | 205.0 | 206.4 |
| 72.5° | 175.2 | 174.8 | 176.2 | 178.0 | 178.0 |
| 75° | 147.2 | 146.8 | 148.2 | 149.6 | 150.0 |
| 77.5° | 119.8 | 119.5 | 120.5 | 122.3 | 122.3 |
| 80° | 92.8 | 93.5 | 93.9 | 95.3 | 94.6 |
| 82.5° | 66.9 | 67.3 | 67.6 | 68.7 | 68.0 |
| 85° | 42.4 | 42.7 | 42.7 | 43.8 | 43.4 |
| 87.5° | 20.0 | 19.6 | 19.6 | 20.3 | 20.0 |
| 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)