

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: P568353

Luminaire Tested: **22CGTX-25HE-L835**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568353
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-L835
Description: 2X2 2500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

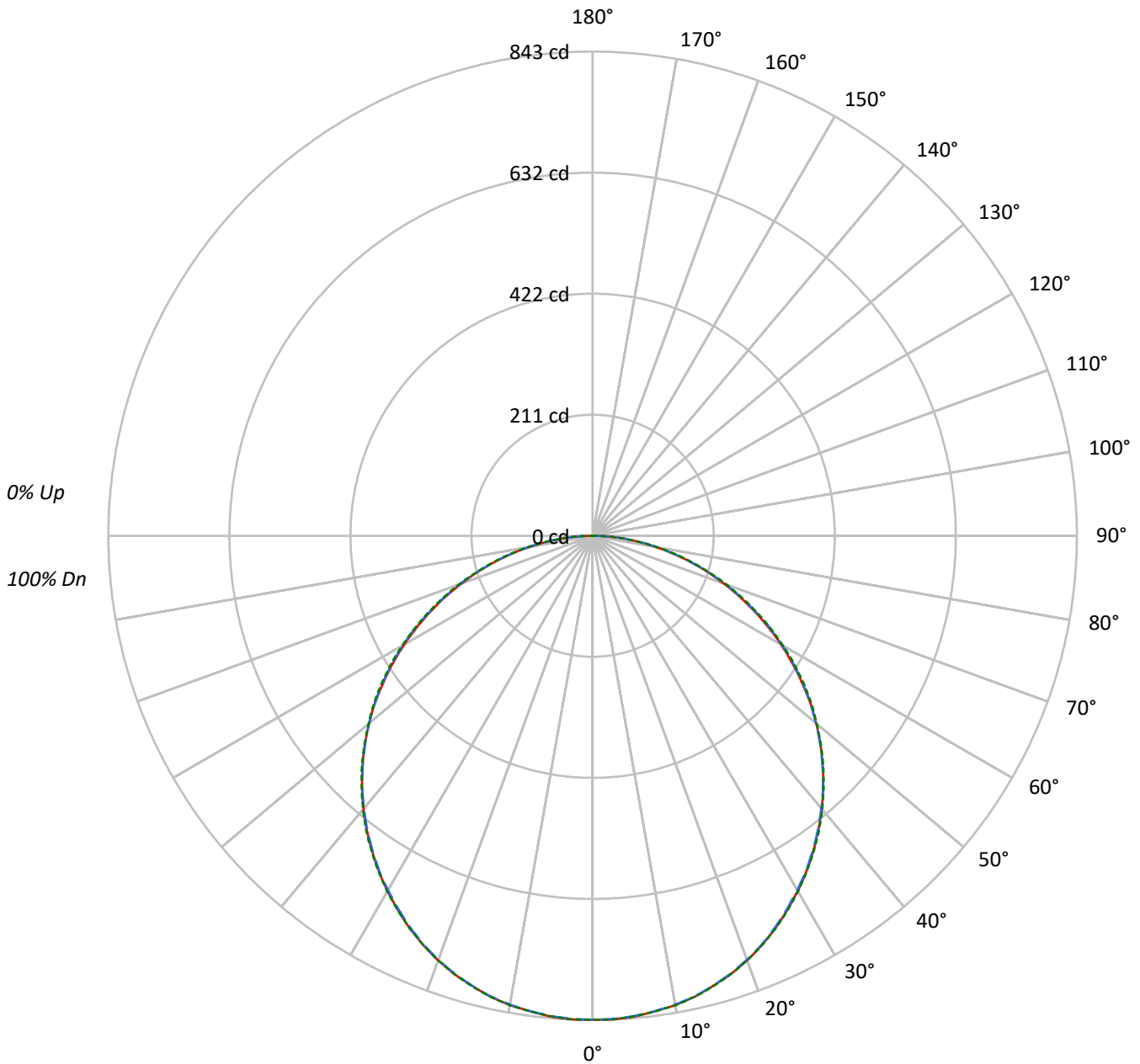
Lumens per Lamp: N/A
Luminaire Lumens: 2466.0 lumens
Efficiency: N/A
Efficacy: 128.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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 | | | | | | | | | |
| 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 | 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° | 2267 | 2267 | 2267 |
| 5° | 2269 | 2267 | 2268 |
| 10° | 2267 | 2264 | 2268 |
| 15° | 2260 | 2260 | 2262 |
| 20° | 2253 | 2249 | 2253 |
| 25° | 2238 | 2233 | 2239 |
| 30° | 2219 | 2214 | 2222 |
| 35° | 2200 | 2196 | 2204 |
| 40° | 2180 | 2175 | 2184 |
| 45° | 2155 | 2154 | 2162 |
| 50° | 2127 | 2125 | 2132 |
| 55° | 2084 | 2090 | 2104 |
| 60° | 2038 | 2047 | 2061 |
| 65° | 1978 | 1992 | 2008 |
| 70° | 1910 | 1929 | 1946 |
| 75° | 1833 | 1847 | 1868 |
| 80° | 1725 | 1743 | 1757 |
| 85° | 1568 | 1581 | 1609 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 79.8 | 3.2 |
| 10°-20° | 228.9 | 9.3 |
| 20°-30° | 346.9 | 14.1 |
| 30°-40° | 419.0 | 17.0 |
| 40°-50° | 437.1 | 17.7 |
| 50°-60° | 398.6 | 16.2 |
| 60°-70° | 309.8 | 12.6 |
| 70°-80° | 188.0 | 7.6 |
| 80°-90° | 57.9 | 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° | 655.6 | 26.6 |
| 0°-40° | 1074.5 | 43.6 |
| 0°-60° | 1910.3 | 77.5 |
| 0°-90° | 2466.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2466.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 843 | 843 | 843 | 843 | 843 | |
| 5° | 840 | 839 | 839 | 839 | 840 | 80 |
| 15° | 811 | 811 | 811 | 811 | 812 | 229 |
| 25° | 754 | 752 | 752 | 753 | 754 | 347 |
| 35° | 670 | 669 | 668 | 671 | 671 | 419 |
| 45° | 566 | 566 | 566 | 568 | 568 | 437 |
| 55° | 444 | 445 | 445 | 447 | 448 | 397 |
| 65° | 311 | 312 | 313 | 314 | 315 | 308 |
| 75° | 176 | 176 | 178 | 179 | 180 | 186 |
| 85° | 51 | 51 | 51 | 52 | 52 | 57 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 842.6 | 842.6 | 842.6 | 842.6 | 842.6 |
| 2.5° | 843.0 | 841.7 | 841.7 | 841.3 | 842.6 |
| 5° | 840.1 | 838.8 | 839.2 | 838.8 | 839.6 |
| 7.5° | 835.0 | 834.2 | 834.6 | 834.2 | 835.0 |
| 10° | 829.6 | 828.7 | 828.7 | 828.7 | 830.0 |
| 12.5° | 822.0 | 821.2 | 821.2 | 821.2 | 822.0 |
| 15° | 811.1 | 811.1 | 811.1 | 811.1 | 811.9 |
| 17.5° | 800.2 | 798.9 | 799.3 | 798.9 | 800.2 |
| 20° | 786.7 | 785.1 | 785.5 | 785.5 | 786.7 |
| 22.5° | 771.2 | 769.5 | 770.0 | 770.0 | 770.8 |
| 25° | 753.6 | 751.9 | 751.9 | 753.2 | 754.0 |
| 27.5° | 734.3 | 733.0 | 732.6 | 734.7 | 735.1 |
| 30° | 714.1 | 713.3 | 712.4 | 714.5 | 715.0 |
| 32.5° | 692.7 | 691.9 | 691.4 | 693.5 | 693.5 |
| 35° | 669.6 | 668.8 | 668.4 | 670.9 | 670.9 |
| 37.5° | 645.7 | 645.3 | 644.4 | 646.9 | 647.4 |
| 40° | 620.5 | 619.7 | 619.2 | 621.8 | 621.8 |
| 42.5° | 594.0 | 593.2 | 593.6 | 595.7 | 595.3 |
| 45° | 566.3 | 565.9 | 565.9 | 568.4 | 568.0 |
| 47.5° | 537.8 | 537.0 | 537.4 | 539.9 | 539.1 |
| 50° | 508.0 | 507.1 | 507.6 | 510.1 | 509.2 |
| 52.5° | 477.3 | 476.5 | 477.3 | 479.9 | 479.9 |
| 55° | 444.2 | 445.0 | 445.4 | 446.7 | 448.4 |
| 57.5° | 411.8 | 412.3 | 413.9 | 414.8 | 416.0 |
| 60° | 378.7 | 379.5 | 380.4 | 382.0 | 382.9 |
| 62.5° | 344.7 | 345.9 | 348.5 | 348.5 | 349.3 |
| 65° | 310.7 | 311.5 | 312.8 | 314.0 | 315.3 |
| 67.5° | 277.1 | 277.5 | 279.6 | 280.0 | 281.3 |
| 70° | 242.7 | 243.1 | 245.2 | 245.6 | 247.3 |
| 72.5° | 209.9 | 209.5 | 211.2 | 213.3 | 213.3 |
| 75° | 176.3 | 175.9 | 177.6 | 179.3 | 179.7 |
| 77.5° | 143.6 | 143.2 | 144.4 | 146.5 | 146.5 |
| 80° | 111.3 | 112.1 | 112.5 | 114.2 | 113.4 |
| 82.5° | 80.2 | 80.6 | 81.0 | 82.3 | 81.4 |
| 85° | 50.8 | 51.2 | 51.2 | 52.5 | 52.1 |
| 87.5° | 23.9 | 23.5 | 23.5 | 24.3 | 23.9 |
| 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)