

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: P568384

Luminaire Tested: **22CGTX-35HE-L950**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568384
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-35HE-L950
Description: 2X2 3500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

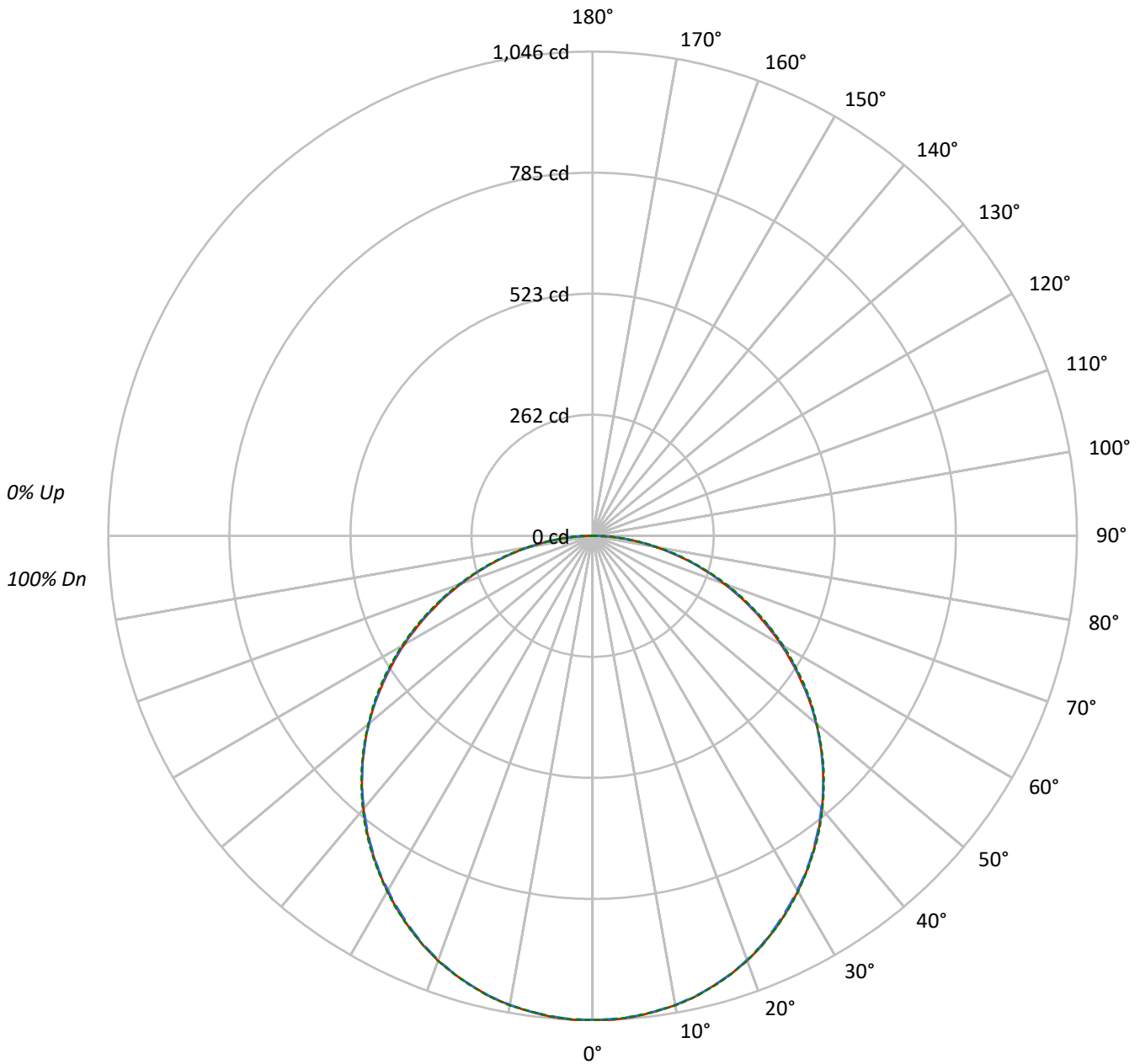
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3061.0 lumens
Efficiency: N/A
Efficacy: 112.5 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): 27.2
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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CATALOG NUMBER: 22CGTX-35HE-L950

Luminous Intensity Polar Plot





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CATALOG NUMBER: 22CGTX-35HE-L950

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° | 2814 | 2814 | 2814 |
| 5° | 2817 | 2814 | 2815 |
| 10° | 2814 | 2811 | 2815 |
| 15° | 2805 | 2805 | 2808 |
| 20° | 2797 | 2792 | 2797 |
| 25° | 2777 | 2771 | 2779 |
| 30° | 2754 | 2748 | 2758 |
| 35° | 2731 | 2725 | 2735 |
| 40° | 2706 | 2700 | 2711 |
| 45° | 2675 | 2673 | 2683 |
| 50° | 2640 | 2637 | 2646 |
| 55° | 2586 | 2594 | 2611 |
| 60° | 2530 | 2541 | 2558 |
| 65° | 2455 | 2472 | 2492 |
| 70° | 2370 | 2394 | 2415 |
| 75° | 2276 | 2292 | 2319 |
| 80° | 2140 | 2165 | 2180 |
| 85° | 1948 | 1964 | 1995 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 99.0 | 3.2 |
| 10°-20° | 284.2 | 9.3 |
| 20°-30° | 430.6 | 14.1 |
| 30°-40° | 520.0 | 17.0 |
| 40°-50° | 542.6 | 17.7 |
| 50°-60° | 494.8 | 16.2 |
| 60°-70° | 384.6 | 12.6 |
| 70°-80° | 233.3 | 7.6 |
| 80°-90° | 71.9 | 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° | 813.8 | 26.6 |
| 0°-40° | 1333.8 | 43.6 |
| 0°-60° | 2371.2 | 77.5 |
| 0°-90° | 3061.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3061.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1046 | 1046 | 1046 | 1046 | 1046 | |
| 5° | 1043 | 1041 | 1042 | 1041 | 1042 | 99 |
| 15° | 1007 | 1007 | 1007 | 1007 | 1008 | 284 |
| 25° | 935 | 933 | 933 | 935 | 936 | 431 |
| 35° | 831 | 830 | 830 | 833 | 833 | 520 |
| 45° | 703 | 702 | 702 | 706 | 705 | 542 |
| 55° | 551 | 552 | 553 | 554 | 557 | 493 |
| 65° | 386 | 387 | 388 | 390 | 391 | 382 |
| 75° | 219 | 218 | 220 | 222 | 223 | 231 |
| 85° | 63 | 64 | 64 | 65 | 65 | 71 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1045.9 | 1045.9 | 1045.9 | 1045.9 | 1045.9 |
| 2.5° | 1046.4 | 1044.8 | 1044.8 | 1044.3 | 1045.9 |
| 5° | 1042.8 | 1041.2 | 1041.7 | 1041.2 | 1042.2 |
| 7.5° | 1036.5 | 1035.5 | 1036.0 | 1035.5 | 1036.5 |
| 10° | 1029.7 | 1028.7 | 1028.7 | 1028.7 | 1030.2 |
| 12.5° | 1020.3 | 1019.3 | 1019.3 | 1019.3 | 1020.3 |
| 15° | 1006.8 | 1006.8 | 1006.8 | 1006.8 | 1007.8 |
| 17.5° | 993.2 | 991.7 | 992.2 | 991.7 | 993.2 |
| 20° | 976.6 | 974.5 | 975.0 | 975.0 | 976.6 |
| 22.5° | 957.3 | 955.2 | 955.7 | 955.7 | 956.8 |
| 25° | 935.4 | 933.3 | 933.3 | 934.9 | 935.9 |
| 27.5° | 911.4 | 909.9 | 909.3 | 912.0 | 912.5 |
| 30° | 886.4 | 885.4 | 884.3 | 886.9 | 887.5 |
| 32.5° | 859.8 | 858.8 | 858.3 | 860.9 | 860.9 |
| 35° | 831.2 | 830.1 | 829.6 | 832.7 | 832.7 |
| 37.5° | 801.5 | 801.0 | 799.9 | 803.0 | 803.6 |
| 40° | 770.2 | 769.2 | 768.6 | 771.8 | 771.8 |
| 42.5° | 737.4 | 736.3 | 736.9 | 739.5 | 738.9 |
| 45° | 703.0 | 702.5 | 702.5 | 705.6 | 705.1 |
| 47.5° | 667.6 | 666.5 | 667.0 | 670.2 | 669.1 |
| 50° | 630.6 | 629.5 | 630.0 | 633.2 | 632.1 |
| 52.5° | 592.5 | 591.5 | 592.5 | 595.6 | 595.6 |
| 55° | 551.3 | 552.4 | 552.9 | 554.5 | 556.6 |
| 57.5° | 511.2 | 511.7 | 513.8 | 514.9 | 516.4 |
| 60° | 470.0 | 471.1 | 472.1 | 474.2 | 475.3 |
| 62.5° | 427.8 | 429.4 | 432.5 | 432.5 | 433.6 |
| 65° | 385.6 | 386.7 | 388.2 | 389.8 | 391.4 |
| 67.5° | 343.9 | 344.5 | 347.1 | 347.6 | 349.1 |
| 70° | 301.2 | 301.7 | 304.3 | 304.9 | 306.9 |
| 72.5° | 260.6 | 260.0 | 262.1 | 264.7 | 264.7 |
| 75° | 218.9 | 218.3 | 220.4 | 222.5 | 223.0 |
| 77.5° | 178.2 | 177.7 | 179.3 | 181.9 | 181.9 |
| 80° | 138.1 | 139.1 | 139.7 | 141.7 | 140.7 |
| 82.5° | 99.5 | 100.1 | 100.6 | 102.1 | 101.1 |
| 85° | 63.1 | 63.6 | 63.6 | 65.1 | 64.6 |
| 87.5° | 29.7 | 29.2 | 29.2 | 30.2 | 29.7 |
| 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)