

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: P568585

Luminaire Tested: **24CGTX-65-L950**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568585
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/19/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CGTX-65-L950
Description: 2X4 6500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

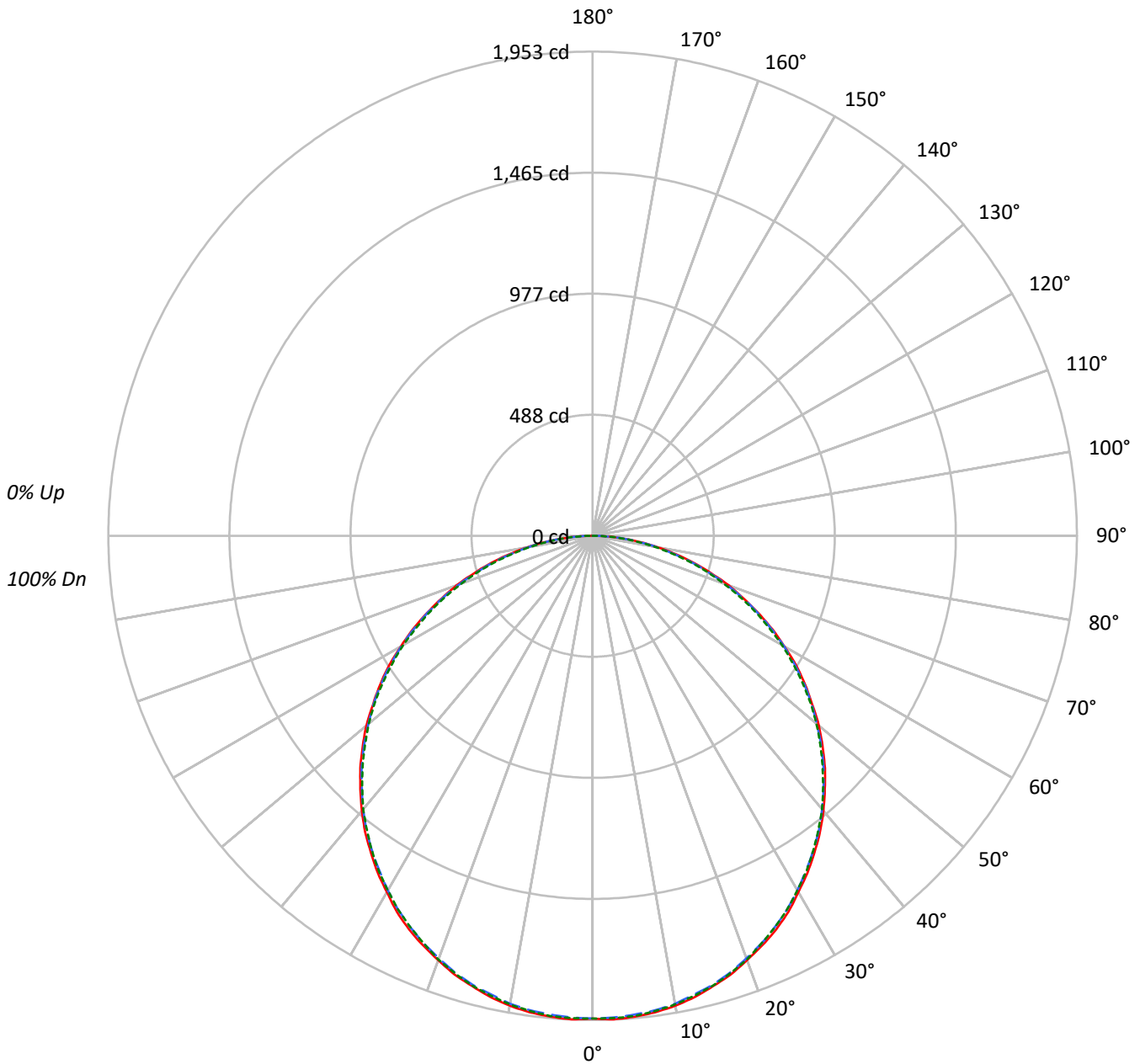
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5722.0 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 53.4
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

TEST NUMBER: P568585
CATALOG NUMBER: 24CGTX-65-L950

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 | 76 | 72 | 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 | 79 | 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 | 32 | | | | | | | | | | | | | | | | | | | |
| 8 | 60 | 46 | 37 | 32 | 58 | 45 | 37 | 31 | 44 | 37 | 31 | 43 | 36 | 31 | 42 | 35 | 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 | 38 | 31 | 26 | 37 | 30 | 26 | 37 | 30 | 25 | 36 | 30 | 25 | 24 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 2620 | 2620 | 2620 |
| 5° | 2630 | 2619 | 2626 |
| 10° | 2630 | 2619 | 2622 |
| 15° | 2619 | 2611 | 2615 |
| 20° | 2608 | 2596 | 2604 |
| 25° | 2601 | 2584 | 2584 |
| 30° | 2579 | 2566 | 2566 |
| 35° | 2562 | 2548 | 2548 |
| 40° | 2543 | 2528 | 2528 |
| 45° | 2521 | 2506 | 2495 |
| 50° | 2493 | 2470 | 2464 |
| 55° | 2454 | 2441 | 2421 |
| 60° | 2402 | 2395 | 2372 |
| 65° | 2345 | 2336 | 2301 |
| 70° | 2294 | 2250 | 2206 |
| 75° | 2204 | 2146 | 2103 |
| 80° | 2075 | 2032 | 1946 |
| 85° | 1894 | 1853 | 1766 |



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CATALOG NUMBER: 24CGTX-65-L950

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 184.5 | 3.2 |
| 10°-20° | 529.1 | 9.2 |
| 20°-30° | 802.9 | 14.0 |
| 30°-40° | 971.5 | 17.0 |
| 40°-50° | 1014.9 | 17.7 |
| 50°-60° | 928.3 | 16.2 |
| 60°-70° | 722.6 | 12.6 |
| 70°-80° | 435.5 | 7.6 |
| 80°-90° | 132.7 | 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° | 1516.5 | 26.5 |
| 0°-40° | 2488.0 | 43.5 |
| 0°-60° | 4431.2 | 77.4 |
| 0°-90° | 5722.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 5722.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1947 | 1947 | 1947 | 1947 | 1947 | |
| 5° | 1947 | 1942 | 1939 | 1939 | 1944 | 185 |
| 15° | 1880 | 1875 | 1875 | 1872 | 1878 | 531 |
| 25° | 1752 | 1744 | 1741 | 1738 | 1741 | 807 |
| 35° | 1560 | 1554 | 1551 | 1551 | 1551 | 976 |
| 45° | 1325 | 1317 | 1317 | 1311 | 1311 | 1021 |
| 55° | 1046 | 1043 | 1041 | 1032 | 1032 | 934 |
| 65° | 736 | 736 | 734 | 723 | 723 | 730 |
| 75° | 424 | 418 | 413 | 404 | 404 | 446 |
| 85° | 123 | 120 | 120 | 114 | 114 | 137 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P568585

CATALOG NUMBER: 24CGTX-65-L950

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1947.3 | 1947.3 | 1947.3 | 1947.3 | 1947.3 |
| 2.5° | 1952.8 | 1947.3 | 1944.5 | 1944.5 | 1947.3 |
| 5° | 1947.3 | 1941.7 | 1938.9 | 1938.9 | 1944.5 |
| 7.5° | 1938.9 | 1930.5 | 1930.5 | 1927.7 | 1933.3 |
| 10° | 1924.9 | 1916.6 | 1916.6 | 1913.8 | 1919.4 |
| 12.5° | 1905.4 | 1897.0 | 1894.3 | 1894.3 | 1899.8 |
| 15° | 1880.3 | 1874.7 | 1874.7 | 1871.9 | 1877.5 |
| 17.5° | 1855.2 | 1846.8 | 1846.8 | 1844.0 | 1849.6 |
| 20° | 1821.7 | 1816.1 | 1813.4 | 1813.4 | 1818.9 |
| 22.5° | 1788.2 | 1782.7 | 1779.9 | 1779.9 | 1779.9 |
| 25° | 1752.0 | 1743.6 | 1740.8 | 1738.0 | 1740.8 |
| 27.5° | 1710.1 | 1699.0 | 1699.0 | 1696.2 | 1699.0 |
| 30° | 1659.9 | 1654.3 | 1651.5 | 1648.8 | 1651.5 |
| 32.5° | 1612.5 | 1604.1 | 1601.3 | 1604.1 | 1604.1 |
| 35° | 1559.5 | 1553.9 | 1551.1 | 1551.1 | 1551.1 |
| 37.5° | 1506.5 | 1498.1 | 1498.1 | 1495.3 | 1495.3 |
| 40° | 1447.9 | 1442.3 | 1439.5 | 1439.5 | 1439.5 |
| 42.5° | 1386.5 | 1380.9 | 1378.1 | 1375.4 | 1375.4 |
| 45° | 1325.1 | 1316.8 | 1316.8 | 1311.2 | 1311.2 |
| 47.5° | 1258.2 | 1252.6 | 1249.8 | 1244.2 | 1244.2 |
| 50° | 1191.2 | 1185.7 | 1180.1 | 1180.1 | 1177.3 |
| 52.5° | 1115.9 | 1115.9 | 1113.1 | 1107.5 | 1107.5 |
| 55° | 1046.2 | 1043.4 | 1040.6 | 1032.2 | 1032.2 |
| 57.5° | 973.6 | 970.8 | 965.3 | 956.9 | 956.9 |
| 60° | 892.7 | 892.7 | 889.9 | 878.8 | 881.6 |
| 62.5° | 817.4 | 814.6 | 811.8 | 803.5 | 800.7 |
| 65° | 736.5 | 736.5 | 733.7 | 722.6 | 722.6 |
| 67.5° | 658.4 | 658.4 | 652.8 | 641.6 | 641.6 |
| 70° | 583.1 | 574.7 | 571.9 | 563.5 | 560.7 |
| 72.5° | 499.4 | 496.6 | 491.0 | 482.6 | 482.6 |
| 75° | 424.0 | 418.5 | 412.9 | 404.5 | 404.5 |
| 77.5° | 343.1 | 337.6 | 332.0 | 329.2 | 323.6 |
| 80° | 267.8 | 265.0 | 262.2 | 253.9 | 251.1 |
| 82.5° | 192.5 | 189.7 | 186.9 | 184.1 | 181.3 |
| 85° | 122.7 | 120.0 | 120.0 | 114.4 | 114.4 |
| 87.5° | 53.0 | 55.8 | 50.2 | 53.0 | 50.2 |
| 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)