

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: P566702

Luminaire Tested: **4SNX-63SL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566702
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-63SL-UNV-L830-CD
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

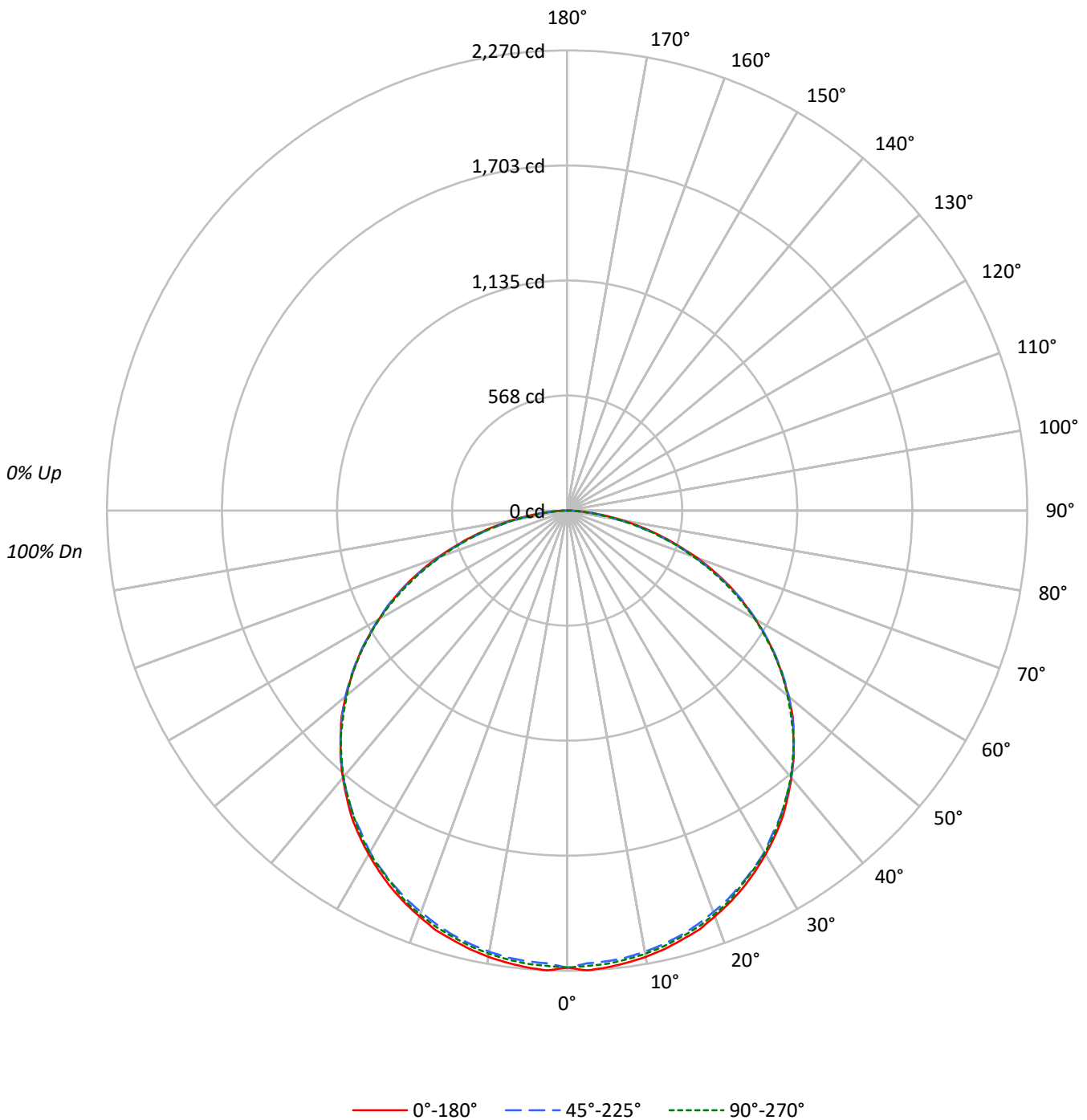
Lumens per Lamp: N/A
Luminaire Lumens: 6740.0 lumens
Efficiency: N/A
Efficacy: 151.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 44.4
Input Voltage (V): NR
Input Current (Ain): 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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 109 | 104 | 99 | 95 | 106 | 101 | 98 | 94 | 97 | 94 | 91 | 93 | 91 | 88 | 90 | 88 | 86 | 83 |
| 2 | 99 | 90 | 83 | 77 | 96 | 88 | 82 | 76 | 85 | 79 | 75 | 81 | 77 | 73 | 78 | 75 | 71 | 69 |
| 3 | 90 | 79 | 71 | 64 | 87 | 77 | 70 | 63 | 74 | 68 | 62 | 72 | 66 | 61 | 69 | 64 | 60 | 58 |
| 4 | 82 | 70 | 61 | 54 | 80 | 68 | 60 | 54 | 66 | 59 | 53 | 64 | 57 | 52 | 61 | 56 | 51 | 49 |
| 5 | 75 | 62 | 53 | 46 | 73 | 61 | 52 | 46 | 59 | 51 | 46 | 57 | 50 | 45 | 55 | 49 | 45 | 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 | 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 | 25 | 36 | 30 | 25 | 36 | 30 | 25 | 23 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 24264 | 24264 | 24264 |
| 5° | 24444 | 24116 | 24248 |
| 10° | 24438 | 24151 | 24261 |
| 15° | 24419 | 24171 | 24262 |
| 20° | 24404 | 24149 | 24289 |
| 25° | 24389 | 24148 | 24196 |
| 30° | 24339 | 24188 | 24238 |
| 35° | 24320 | 24134 | 24160 |
| 40° | 24182 | 24154 | 24126 |
| 45° | 24038 | 24070 | 24038 |
| 50° | 23864 | 23931 | 23762 |
| 55° | 23548 | 23625 | 23510 |
| 60° | 23086 | 23173 | 23041 |
| 65° | 22614 | 22459 | 22148 |
| 70° | 21498 | 21054 | 20800 |
| 75° | 19642 | 18969 | 19052 |
| 80° | 16966 | 15707 | 16086 |
| 85° | 12770 | 12264 | 11016 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 213.8 | 3.2 |
| 10°-20° | 616.2 | 9.1 |
| 20°-30° | 942.8 | 14.0 |
| 30°-40° | 1152.8 | 17.1 |
| 40°-50° | 1219.4 | 18.1 |
| 50°-60° | 1123.5 | 16.7 |
| 60°-70° | 865.8 | 12.8 |
| 70°-80° | 485.1 | 7.2 |
| 80°-90° | 120.6 | 1.8 |
| 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° | 1772.8 | 26.3 |
| 0°-40° | 2925.6 | 43.4 |
| 0°-60° | 5268.5 | 78.2 |
| 0°-90° | 6740.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 6740.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 2254 | 2254 | 2254 | 2254 | 2254 | |
| 5° | 2262 | 2254 | 2232 | 2254 | 2244 | 215 |
| 15° | 2191 | 2187 | 2169 | 2187 | 2177 | 619 |
| 25° | 2054 | 2049 | 2033 | 2049 | 2037 | 946 |
| 35° | 1851 | 1847 | 1837 | 1843 | 1839 | 1156 |
| 45° | 1579 | 1585 | 1581 | 1579 | 1579 | 1220 |
| 55° | 1255 | 1265 | 1259 | 1259 | 1253 | 1120 |
| 65° | 888 | 888 | 882 | 860 | 870 | 873 |
| 75° | 472 | 466 | 456 | 440 | 458 | 501 |
| 85° | 103 | 97 | 99 | 99 | 89 | 128 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P566702

CATALOG NUMBER: 4SNX-63SL-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 2254.2 | 2254.2 | 2254.2 | 2254.2 | 2254.2 |
| 2.5° | 2270.4 | 2260.3 | 2235.9 | 2258.2 | 2248.1 |
| 5° | 2262.3 | 2254.2 | 2231.9 | 2254.2 | 2244.1 |
| 7.5° | 2250.1 | 2244.1 | 2223.8 | 2244.1 | 2233.9 |
| 10° | 2235.9 | 2229.9 | 2209.6 | 2229.9 | 2219.7 |
| 12.5° | 2215.7 | 2211.6 | 2191.3 | 2211.6 | 2201.5 |
| 15° | 2191.3 | 2187.3 | 2169.0 | 2187.3 | 2177.2 |
| 17.5° | 2167.0 | 2158.9 | 2140.7 | 2160.9 | 2152.8 |
| 20° | 2130.5 | 2126.5 | 2108.2 | 2126.5 | 2120.4 |
| 22.5° | 2094.0 | 2090.0 | 2073.8 | 2090.0 | 2085.9 |
| 25° | 2053.5 | 2049.4 | 2033.2 | 2049.4 | 2037.3 |
| 27.5° | 2006.9 | 2008.9 | 1990.7 | 2000.8 | 1994.7 |
| 30° | 1958.2 | 1958.2 | 1946.1 | 1950.1 | 1950.1 |
| 32.5° | 1905.5 | 1905.5 | 1887.3 | 1899.4 | 1897.4 |
| 35° | 1850.8 | 1846.7 | 1836.6 | 1842.7 | 1838.6 |
| 37.5° | 1785.9 | 1783.9 | 1777.8 | 1781.9 | 1777.8 |
| 40° | 1721.0 | 1723.1 | 1719.0 | 1717.0 | 1717.0 |
| 42.5° | 1654.2 | 1658.2 | 1652.1 | 1650.1 | 1648.1 |
| 45° | 1579.1 | 1585.2 | 1581.2 | 1579.1 | 1579.1 |
| 47.5° | 1510.2 | 1512.3 | 1506.2 | 1504.1 | 1498.1 |
| 50° | 1425.1 | 1433.2 | 1429.1 | 1425.1 | 1419.0 |
| 52.5° | 1339.9 | 1352.1 | 1344.0 | 1339.9 | 1339.9 |
| 55° | 1254.8 | 1264.9 | 1258.9 | 1258.9 | 1252.8 |
| 57.5° | 1165.6 | 1175.7 | 1167.6 | 1167.6 | 1159.5 |
| 60° | 1072.4 | 1082.5 | 1076.4 | 1070.3 | 1070.3 |
| 62.5° | 979.1 | 987.2 | 985.2 | 975.1 | 969.0 |
| 65° | 887.9 | 887.9 | 881.8 | 859.5 | 869.6 |
| 67.5° | 784.5 | 782.5 | 774.4 | 752.1 | 766.3 |
| 70° | 683.1 | 683.1 | 669.0 | 642.6 | 660.9 |
| 72.5° | 573.7 | 579.8 | 561.5 | 543.3 | 561.5 |
| 75° | 472.3 | 466.2 | 456.1 | 439.9 | 458.1 |
| 77.5° | 375.0 | 364.9 | 352.7 | 344.6 | 354.8 |
| 80° | 273.7 | 267.6 | 253.4 | 253.4 | 259.5 |
| 82.5° | 186.5 | 180.4 | 170.3 | 172.3 | 164.2 |
| 85° | 103.4 | 97.3 | 99.3 | 99.3 | 89.2 |
| 87.5° | 42.6 | 42.6 | 42.6 | 38.5 | 34.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)