

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: P#

Luminaire Tested: **8SRL-LD5-95SL-LW-UNV-L835-CD1-U**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35653)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SRL-LD5-95SL-LW-UNV-L835-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

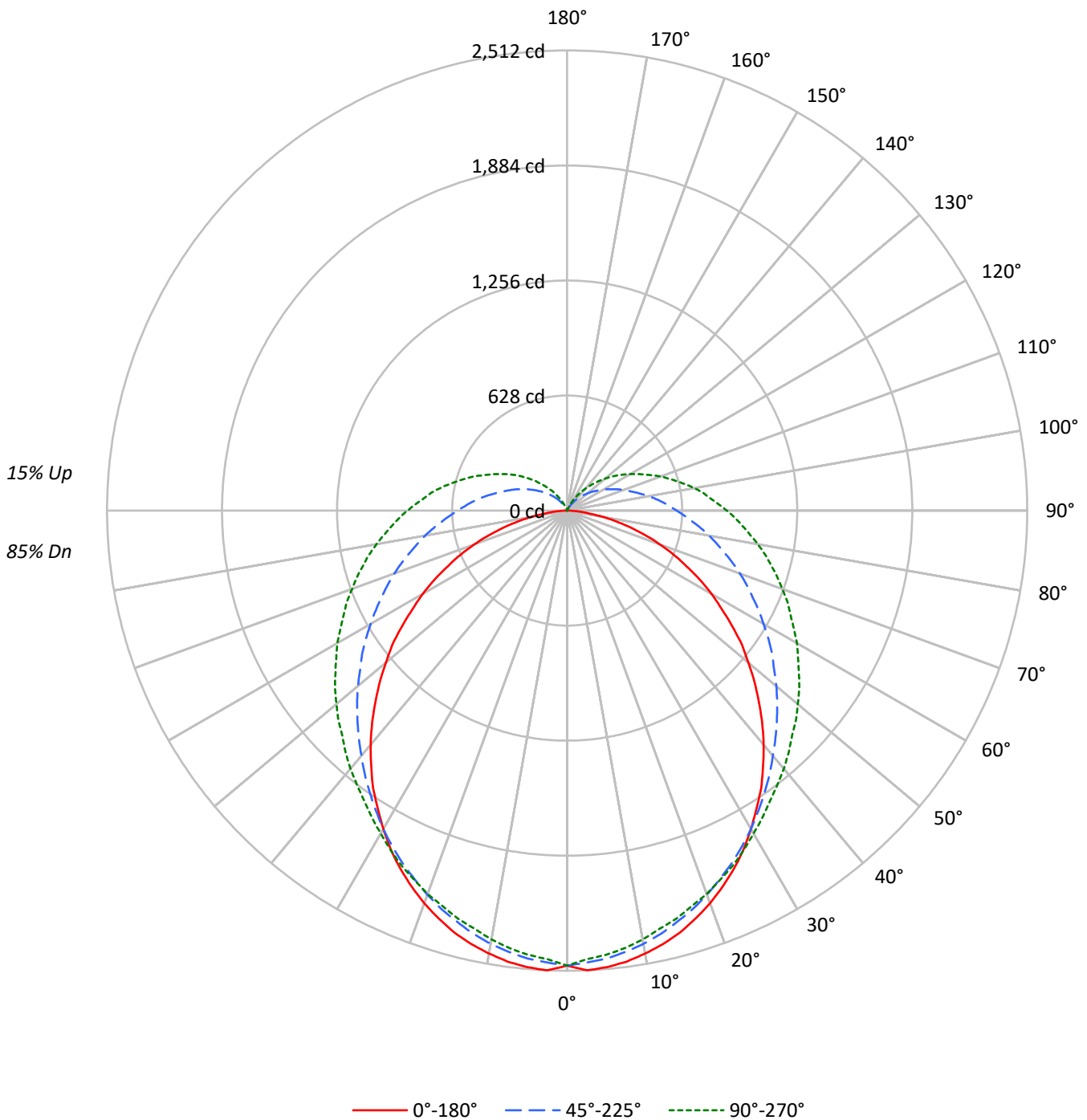
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9556.0 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 7.33' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 79.7
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: P#
CATALOG NUMBER: 8SRL-LD5-95SL-LW-UNV-L835-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SRL-LD5-95SL-LW-UNV-L835-CD1-U

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 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 111 | 103 | 103 | 103 | 95 | 95 | 95 | 88 | 88 | 88 | 85 | | | | |
| 1 | 103 | 97 | 92 | 87 | 98 | 93 | 88 | 84 | 86 | 82 | 79 | 80 | 76 | 74 | 74 | 71 | 69 | 66 | | | | |
| 2 | 92 | 83 | 75 | 69 | 88 | 80 | 73 | 67 | 74 | 68 | 63 | 68 | 64 | 59 | 63 | 59 | 56 | 53 | | | | |
| 3 | 84 | 72 | 63 | 56 | 80 | 70 | 61 | 55 | 64 | 58 | 52 | 60 | 54 | 49 | 55 | 51 | 47 | 44 | | | | |
| 4 | 76 | 64 | 54 | 47 | 73 | 61 | 53 | 46 | 57 | 50 | 44 | 53 | 47 | 42 | 49 | 44 | 40 | 37 | | | | |
| 5 | 70 | 57 | 47 | 40 | 67 | 55 | 46 | 39 | 51 | 43 | 38 | 47 | 41 | 36 | 44 | 38 | 34 | 32 | | | | |
| 6 | 65 | 51 | 42 | 35 | 62 | 49 | 40 | 34 | 46 | 38 | 33 | 43 | 36 | 31 | 40 | 34 | 30 | 27 | | | | |
| 7 | 60 | 46 | 37 | 31 | 57 | 44 | 36 | 30 | 42 | 34 | 29 | 39 | 32 | 28 | 36 | 31 | 26 | 24 | | | | |
| 8 | 56 | 42 | 33 | 27 | 53 | 41 | 32 | 27 | 38 | 31 | 26 | 36 | 29 | 25 | 33 | 28 | 24 | 21 | | | | |
| 9 | 52 | 38 | 30 | 24 | 50 | 37 | 29 | 24 | 35 | 28 | 23 | 33 | 27 | 22 | 31 | 25 | 21 | 19 | | | | |
| 10 | 49 | 35 | 27 | 22 | 47 | 34 | 27 | 22 | 32 | 25 | 21 | 30 | 24 | 20 | 29 | 23 | 19 | 17 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 14582 | 14582 | 14582 |
| 5° | 14713 | 13878 | 13553 |
| 10° | 14578 | 13186 | 12680 |
| 15° | 14403 | 12491 | 11891 |
| 20° | 14134 | 11839 | 11199 |
| 25° | 13822 | 11212 | 10568 |
| 30° | 13429 | 10617 | 9963 |
| 35° | 13029 | 10039 | 9441 |
| 40° | 12551 | 9503 | 9041 |
| 45° | 12017 | 9037 | 8650 |
| 50° | 11486 | 8614 | 8367 |
| 55° | 10901 | 8245 | 8097 |
| 60° | 10291 | 7883 | 7892 |
| 65° | 9521 | 7589 | 7690 |
| 70° | 8681 | 7363 | 7571 |
| 75° | 7515 | 7157 | 7497 |
| 80° | 5861 | 7063 | 7474 |
| 85° | 3615 | 7039 | 7508 |



TEST NUMBER: P#

CATALOG NUMBER: 8SRL-LD5-95SL-LW-UNV-L835-CD1-U

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 233.6 | 2.4 |
| 10°-20° | 659.5 | 6.9 |
| 20°-30° | 984.9 | 10.3 |
| 30°-40° | 1180.4 | 12.4 |
| 40°-50° | 1248.7 | 13.1 |
| 50°-60° | 1205.9 | 12.6 |
| 60°-70° | 1072.7 | 11.2 |
| 70°-80° | 881.9 | 9.2 |
| 80°-90° | 674.5 | 7.1 |
| 90°-100° | 507.2 | 5.3 |
| 100°-110° | 370.2 | 3.9 |
| 110°-120° | 253.6 | 2.7 |
| 120°-130° | 158.2 | 1.7 |
| 130°-140° | 84.4 | 0.9 |
| 140°-150° | 33.9 | 0.4 |
| 150°-160° | 6.5 | 0.1 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 1878.1 | 19.7 |
| 0°-40° | 3058.5 | 32.0 |
| 0°-60° | 5513.0 | 57.7 |
| 0°-90° | 8142.1 | 85.2 |
| 90°-120° | 1130.9 | 11.8 |
| 90°-150° | 1407.5 | 14.7 |
| 90°-180° | 1414.0 | 14.8 |
| 0°-180° | 9556.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 2484 | 2484 | 2484 | 2484 | 2484 | |
| 5° | 2501 | 2487 | 2455 | 2452 | 2434 | 237 |
| 15° | 2384 | 2359 | 2324 | 2324 | 2306 | 671 |
| 25° | 2156 | 2135 | 2124 | 2149 | 2138 | 992 |
| 35° | 1847 | 1840 | 1879 | 1932 | 1932 | 1153 |
| 45° | 1480 | 1523 | 1619 | 1712 | 1736 | 1143 |
| 55° | 1100 | 1199 | 1366 | 1502 | 1544 | 984 |
| 65° | 719 | 882 | 1117 | 1292 | 1345 | 714 |
| 75° | 359 | 594 | 890 | 1092 | 1153 | 382 |
| 85° | 68 | 366 | 687 | 893 | 961 | 82 |
| 90° | 0 | 281 | 598 | 804 | 872 | 3 |
| 95° | 0 | 217 | 523 | 722 | 783 | 0 |
| 105° | 0 | 135 | 384 | 562 | 619 | 0 |
| 115° | 0 | 82 | 274 | 423 | 466 | 0 |
| 125° | 0 | 50 | 185 | 299 | 334 | 0 |
| 135° | 0 | 25 | 114 | 189 | 210 | 0 |
| 145° | 0 | 7 | 50 | 96 | 110 | 0 |
| 155° | 0 | 0 | 7 | 25 | 25 | 1 |
| 165° | 0 | 0 | 0 | 0 | 0 | 0 |
| 175° | 0 | 0 | 0 | 0 | 0 | 0 |
| 180° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P#

CATALOG NUMBER: 8SRL-LD5-95SL-LW-UNV-L835-CD1-U

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|--------|--------|--------|--------|--------|
| 0° | 2483.6 | 2483.6 | 2483.6 | 2483.6 | 2483.6 |
| 2.5° | 2512.1 | 2497.8 | 2469.4 | 2465.8 | 2451.6 |
| 5° | 2501.4 | 2487.2 | 2455.1 | 2451.6 | 2433.8 |
| 7.5° | 2483.6 | 2465.8 | 2430.2 | 2426.7 | 2408.9 |
| 10° | 2455.1 | 2437.3 | 2401.8 | 2398.2 | 2376.9 |
| 12.5° | 2423.1 | 2405.3 | 2366.2 | 2362.6 | 2337.7 |
| 15° | 2384.0 | 2359.1 | 2323.5 | 2323.5 | 2305.7 |
| 17.5° | 2334.2 | 2312.8 | 2280.8 | 2284.3 | 2263.0 |
| 20° | 2280.8 | 2259.4 | 2231.0 | 2241.6 | 2227.4 |
| 22.5° | 2220.3 | 2195.4 | 2177.6 | 2191.8 | 2181.2 |
| 25° | 2156.2 | 2134.9 | 2124.2 | 2149.1 | 2138.5 |
| 27.5° | 2085.1 | 2063.7 | 2067.3 | 2092.2 | 2088.6 |
| 30° | 2006.8 | 1992.6 | 2006.8 | 2038.8 | 2035.3 |
| 32.5° | 1925.0 | 1917.9 | 1942.8 | 1985.5 | 1985.5 |
| 35° | 1846.7 | 1839.6 | 1878.7 | 1932.1 | 1932.1 |
| 37.5° | 1757.7 | 1761.3 | 1814.7 | 1875.2 | 1885.8 |
| 40° | 1668.8 | 1683.0 | 1747.1 | 1821.8 | 1839.6 |
| 42.5° | 1576.3 | 1601.2 | 1683.0 | 1764.8 | 1789.8 |
| 45° | 1480.2 | 1522.9 | 1619.0 | 1711.5 | 1736.4 |
| 47.5° | 1387.7 | 1441.1 | 1554.9 | 1661.7 | 1693.7 |
| 50° | 1291.6 | 1355.7 | 1490.9 | 1608.3 | 1643.9 |
| 52.5° | 1202.7 | 1277.4 | 1423.3 | 1554.9 | 1597.6 |
| 55° | 1099.5 | 1199.1 | 1366.3 | 1501.5 | 1544.2 |
| 57.5° | 999.8 | 1117.3 | 1302.3 | 1448.2 | 1494.4 |
| 60° | 910.9 | 1035.4 | 1238.2 | 1398.4 | 1448.2 |
| 62.5° | 814.8 | 957.1 | 1177.8 | 1345.0 | 1394.8 |
| 65° | 718.7 | 882.4 | 1117.3 | 1291.6 | 1345.0 |
| 67.5° | 629.8 | 804.1 | 1060.3 | 1241.8 | 1302.3 |
| 70° | 537.3 | 733.0 | 1003.4 | 1192.0 | 1248.9 |
| 72.5° | 448.3 | 661.8 | 946.5 | 1138.6 | 1202.7 |
| 75° | 359.4 | 594.2 | 889.5 | 1092.4 | 1152.8 |
| 77.5° | 274.0 | 530.2 | 836.2 | 1042.5 | 1106.6 |
| 80° | 195.7 | 469.7 | 786.4 | 992.7 | 1056.8 |
| 82.5° | 124.5 | 412.7 | 736.5 | 942.9 | 1007.0 |
| 85° | 67.6 | 366.5 | 686.7 | 893.1 | 960.7 |
| 87.5° | 24.9 | 316.7 | 640.5 | 850.4 | 918.0 |
| 90° | 0.0 | 281.1 | 597.8 | 804.1 | 871.8 |
| 92.5° | 0.0 | 245.5 | 558.6 | 761.4 | 825.5 |
| 95° | 0.0 | 217.0 | 523.1 | 722.3 | 782.8 |
| 97.5° | 0.0 | 192.1 | 487.5 | 683.2 | 747.2 |
| 100° | 0.0 | 170.8 | 451.9 | 640.5 | 704.5 |
| 102.5° | 0.0 | 149.4 | 416.3 | 601.3 | 661.8 |
| 105° | 0.0 | 135.2 | 384.3 | 562.2 | 619.1 |
| 107.5° | 0.0 | 121.0 | 355.8 | 530.2 | 580.0 |
| 110° | 0.0 | 106.7 | 327.4 | 491.0 | 544.4 |



TEST NUMBER: P#

CATALOG NUMBER: 8SRL-LD5-95SL-LW-UNV-L835-CD1-U

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-----|-------|-------|-------|-------|
| 112.5° | 0.0 | 96.1 | 302.4 | 459.0 | 501.7 |
| 115° | 0.0 | 81.8 | 274.0 | 423.4 | 466.1 |
| 117.5° | 0.0 | 74.7 | 252.6 | 391.4 | 430.5 |
| 120° | 0.0 | 64.0 | 227.7 | 359.4 | 398.5 |
| 122.5° | 0.0 | 56.9 | 206.4 | 327.4 | 366.5 |
| 125° | 0.0 | 49.8 | 185.0 | 298.9 | 334.5 |
| 127.5° | 0.0 | 42.7 | 167.2 | 270.4 | 302.4 |
| 130° | 0.0 | 35.6 | 145.9 | 242.0 | 270.4 |
| 132.5° | 0.0 | 28.5 | 128.1 | 213.5 | 242.0 |
| 135° | 0.0 | 24.9 | 113.9 | 188.6 | 209.9 |
| 137.5° | 0.0 | 17.8 | 96.1 | 163.7 | 185.0 |
| 140° | 0.0 | 14.2 | 81.8 | 142.3 | 156.6 |
| 142.5° | 0.0 | 10.7 | 64.0 | 117.4 | 135.2 |
| 145° | 0.0 | 7.1 | 49.8 | 96.1 | 110.3 |
| 147.5° | 0.0 | 3.6 | 35.6 | 78.3 | 85.4 |
| 150° | 0.0 | 3.6 | 24.9 | 60.5 | 64.0 |
| 152.5° | 0.0 | 0.0 | 17.8 | 42.7 | 42.7 |
| 155° | 0.0 | 0.0 | 7.1 | 24.9 | 24.9 |
| 157.5° | 3.6 | 0.0 | 3.6 | 10.7 | 10.7 |
| 160° | 3.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)