

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: **8SNLED-LD5-88SL-UNV-L930-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 (P27410)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNLED-LD5-88SL-UNV-L930-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
OPEN LED STIP  
Light Source: -  
Ballast/Driver: -

**Summary**

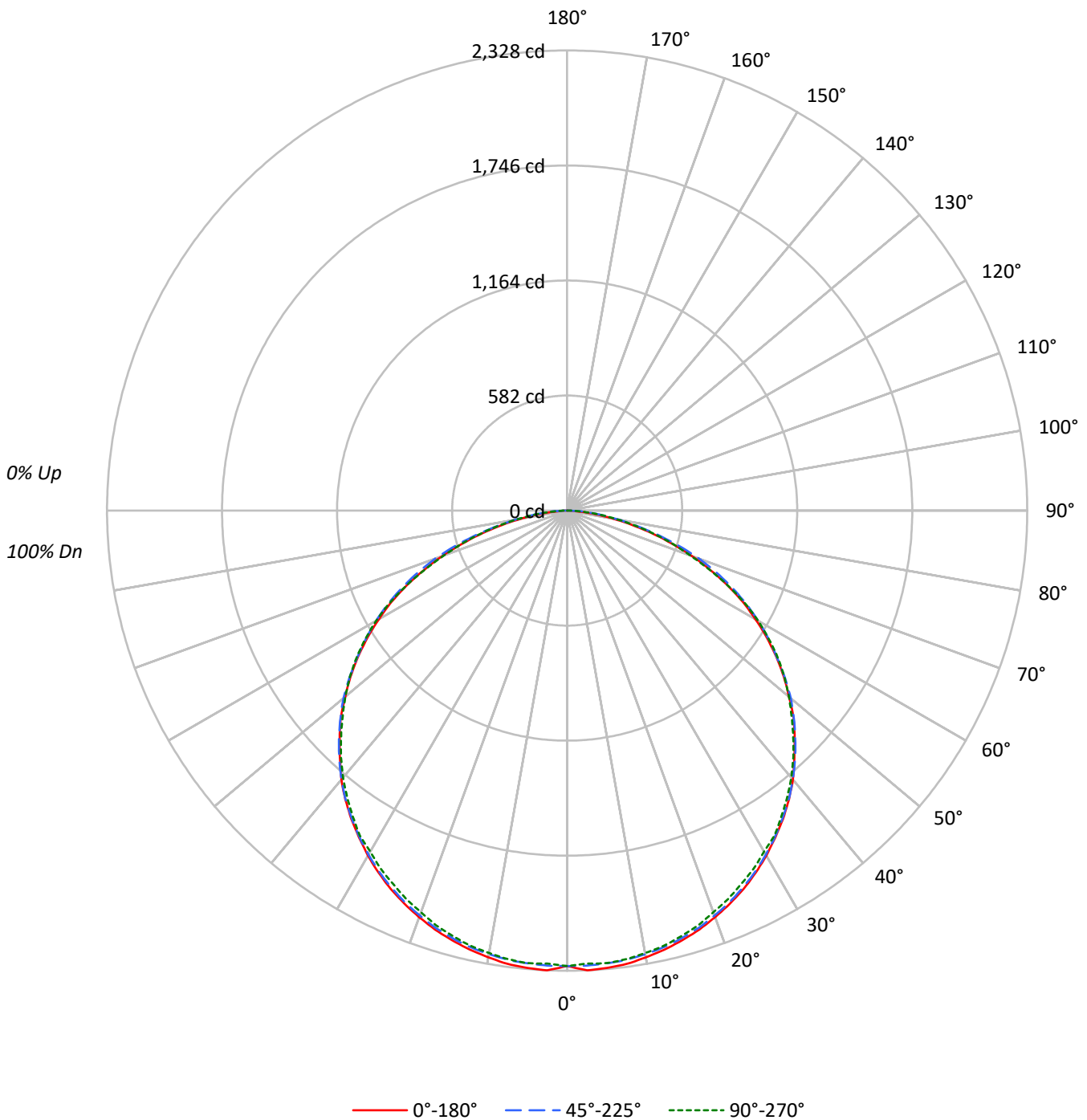
Lumens per Lamp: N/A  
Luminaire Lumens: 6912.0 lumens  
Efficiency: N/A  
Efficacy: 113.3 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 61  
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  | 96  | 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  | 40  | 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°  | 9310 | 9310 | 9310 |
| 5°  | 9407 | 9106 | 9026 |
| 10° | 9390 | 8915 | 8747 |
| 15° | 9373 | 8723 | 8473 |
| 20° | 9360 | 8516 | 8181 |
| 25° | 9348 | 8309 | 7908 |
| 30° | 9319 | 8085 | 7640 |
| 35° | 9289 | 7853 | 7382 |
| 40° | 9253 | 7604 | 7074 |
| 45° | 9158 | 7307 | 6720 |
| 50° | 9044 | 6983 | 6360 |
| 55° | 8901 | 6547 | 5972 |
| 60° | 8653 | 6104 | 5464 |
| 65° | 8279 | 5524 | 4753 |
| 70° | 7610 | 4757 | 3853 |
| 75° | 6550 | 3641 | 2962 |
| 80° | 5017 | 2407 | 1942 |
| 85° | 2761 | 1179 | 867  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 218.7  | 3.2       |
| 10°-20°   | 630.7  | 9.1       |
| 20°-30°   | 965.4  | 14.0      |
| 30°-40°   | 1182.8 | 17.1      |
| 40°-50°   | 1251.1 | 18.1      |
| 50°-60°   | 1154.8 | 16.7      |
| 60°-70°   | 891.3  | 12.9      |
| 70°-80°   | 494.7  | 7.2       |
| 80°-90°   | 122.6  | 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°    | 1814.8 | 26.3      |
| 0°-40°    | 2997.6 | 43.4      |
| 0°-60°    | 5403.4 | 78.2      |
| 0°-90°    | 6912.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 6912.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2304 | 2304  | 2304 | 2304  | 2304 |      |
| 5°  | 2322 | 2293  | 2300 | 2294  | 2298 | 221  |
| 15° | 2250 | 2224  | 2240 | 2232  | 2229 | 636  |
| 25° | 2112 | 2087  | 2104 | 2086  | 2084 | 973  |
| 35° | 1904 | 1883  | 1900 | 1880  | 1890 | 1191 |
| 45° | 1628 | 1613  | 1632 | 1615  | 1617 | 1256 |
| 55° | 1292 | 1282  | 1296 | 1295  | 1302 | 1153 |
| 65° | 895  | 886   | 920  | 914   | 897  | 882  |
| 75° | 444  | 470   | 474  | 473   | 456  | 471  |
| 85° | 70   | 104   | 106  | 107   | 99   | 94   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |



TEST NUMBER: P#

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2304.1 | 2304.1 | 2304.1 | 2304.1 | 2304.1 |
| 2.5°  | 2328.3 | 2298.4 | 2304.1 | 2300.7 | 2293.8 |
| 5°    | 2322.5 | 2292.6 | 2299.5 | 2293.8 | 2298.4 |
| 7.5°  | 2313.3 | 2281.1 | 2292.6 | 2284.6 | 2289.2 |
| 10°   | 2294.9 | 2267.3 | 2278.8 | 2269.6 | 2273.1 |
| 12.5° | 2275.4 | 2246.6 | 2262.7 | 2251.2 | 2255.8 |
| 15°   | 2250.1 | 2223.6 | 2239.7 | 2231.7 | 2229.4 |
| 17.5° | 2222.5 | 2197.2 | 2213.3 | 2204.1 | 2200.6 |
| 20°   | 2189.1 | 2164.9 | 2179.9 | 2166.1 | 2162.6 |
| 22.5° | 2152.3 | 2128.1 | 2145.4 | 2125.8 | 2127.0 |
| 25°   | 2112.0 | 2086.7 | 2104.0 | 2085.6 | 2084.4 |
| 27.5° | 2066.0 | 2041.9 | 2060.3 | 2040.7 | 2043.0 |
| 30°   | 2015.4 | 1991.2 | 2009.6 | 1990.1 | 1992.4 |
| 32.5° | 1960.2 | 1940.6 | 1956.7 | 1938.3 | 1951.0 |
| 35°   | 1903.8 | 1883.1 | 1900.4 | 1879.7 | 1890.0 |
| 37.5° | 1842.8 | 1823.3 | 1841.7 | 1818.7 | 1827.9 |
| 40°   | 1777.3 | 1760.0 | 1776.1 | 1755.4 | 1763.5 |
| 42.5° | 1701.4 | 1691.0 | 1707.1 | 1686.4 | 1693.3 |
| 45°   | 1627.7 | 1612.8 | 1632.3 | 1615.1 | 1617.4 |
| 47.5° | 1554.1 | 1538.0 | 1556.4 | 1541.5 | 1540.3 |
| 50°   | 1465.5 | 1459.8 | 1477.0 | 1465.5 | 1464.4 |
| 52.5° | 1381.6 | 1370.1 | 1388.5 | 1382.7 | 1386.2 |
| 55°   | 1291.8 | 1281.5 | 1296.4 | 1295.3 | 1302.2 |
| 57.5° | 1198.7 | 1188.3 | 1207.9 | 1205.6 | 1211.3 |
| 60°   | 1099.7 | 1091.7 | 1117.0 | 1111.2 | 1115.8 |
| 62.5° | 1003.1 | 988.1  | 1020.4 | 1015.8 | 1013.5 |
| 65°   | 895.0  | 885.8  | 920.3  | 914.5  | 897.3  |
| 67.5° | 783.4  | 779.9  | 815.6  | 804.1  | 775.3  |
| 70°   | 671.8  | 674.1  | 708.6  | 686.8  | 662.6  |
| 72.5° | 554.5  | 571.7  | 592.4  | 576.3  | 559.1  |
| 75°   | 444.0  | 470.5  | 473.9  | 472.8  | 455.5  |
| 77.5° | 335.9  | 369.3  | 361.2  | 369.3  | 355.5  |
| 80°   | 234.7  | 271.5  | 265.7  | 272.6  | 261.1  |
| 82.5° | 144.9  | 178.3  | 179.5  | 184.1  | 173.7  |
| 85°   | 70.2   | 103.5  | 105.8  | 107.0  | 98.9   |
| 87.5° | 15.0   | 48.3   | 49.5   | 46.0   | 40.3   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)