

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: METALUX

Report Number: P1584800

Luminaire Tested: 14CZSP-A-75-L850-S

Issue Date: 9/3/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1584800  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 14CZSP-A-75-L850-S  
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 7200 lumens, 80CRI, Smooth Lens, Air Vented Housing  
Light Source: -  
Ballast/Driver: -

**Summary**

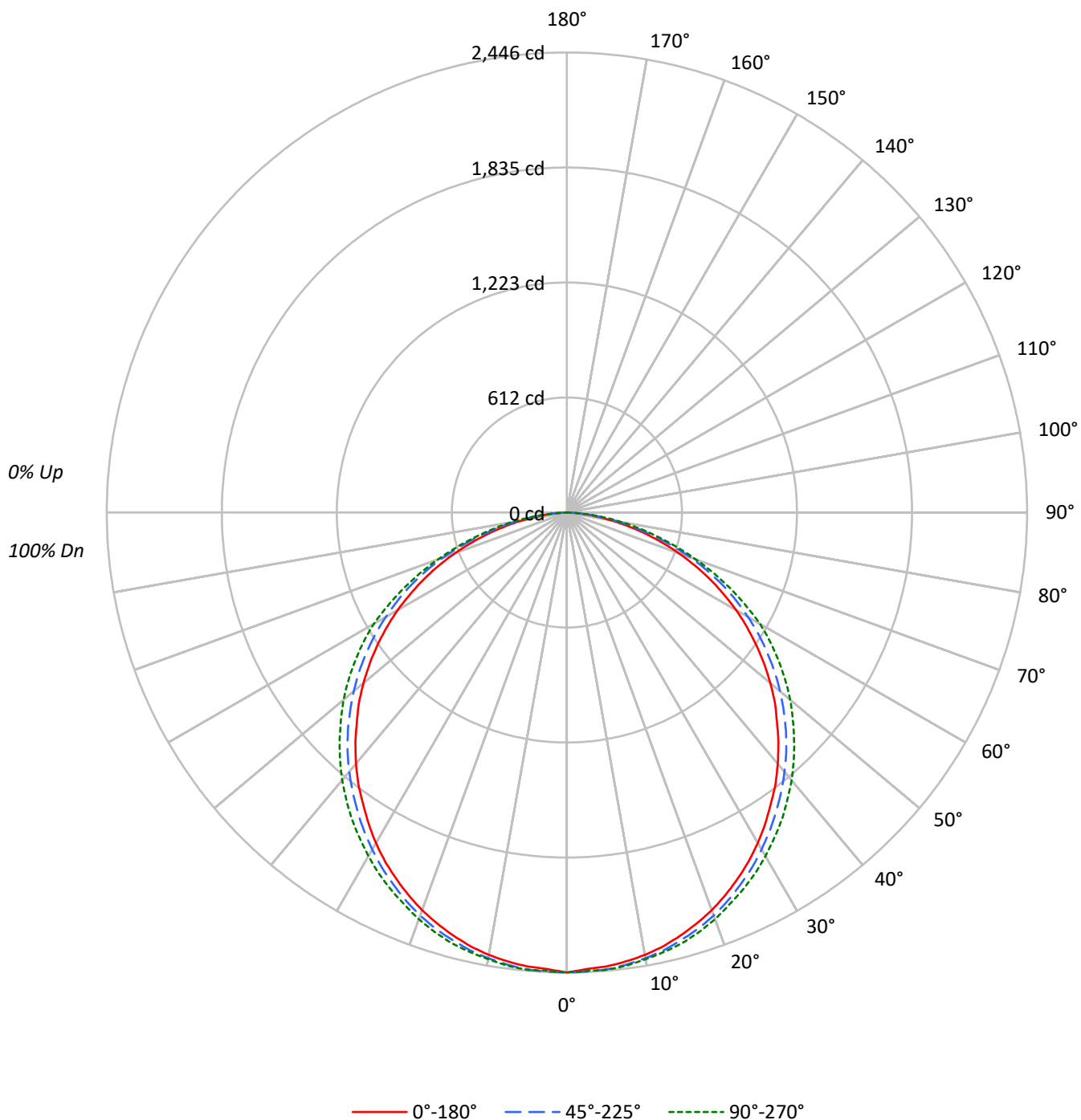
Lumens per Lamp: N/A  
Luminaire Lumens: 7071.0 lumens  
Efficiency: N/A  
Efficacy: 123.6 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38  
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')  
CIE Type: Direct

Input Watts (W): 57.2  
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: 24 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 | 100 | 96  | 106 | 102 | 98  | 94  | 97  | 94  | 91  |  | 93  | 91  | 88  |  | 90  | 88  | 86  | 84  |
| 2   | 99  | 90  | 83  | 78  | 96  | 88  | 82  | 77  | 85  | 80  | 75  |  | 82  | 77  | 73  |  | 79  | 75  | 72  | 69  |
| 3   | 90  | 79  | 71  | 64  | 87  | 78  | 70  | 64  | 75  | 68  | 63  |  | 72  | 66  | 62  |  | 69  | 65  | 60  | 58  |
| 4   | 82  | 70  | 61  | 54  | 80  | 69  | 60  | 54  | 66  | 59  | 53  |  | 64  | 58  | 52  |  | 62  | 56  | 52  | 50  |
| 5   | 76  | 63  | 53  | 47  | 73  | 61  | 53  | 46  | 59  | 52  | 46  |  | 57  | 51  | 45  |  | 55  | 50  | 45  | 43  |
| 6   | 70  | 56  | 47  | 41  | 68  | 55  | 47  | 41  | 53  | 46  | 40  |  | 52  | 45  | 40  |  | 50  | 44  | 39  | 37  |
| 7   | 65  | 51  | 42  | 36  | 63  | 50  | 42  | 36  | 49  | 41  | 35  |  | 47  | 40  | 35  |  | 46  | 40  | 35  | 33  |
| 8   | 60  | 46  | 38  | 32  | 59  | 46  | 38  | 32  | 44  | 37  | 32  |  | 43  | 36  | 31  |  | 42  | 36  | 31  | 29  |
| 9   | 56  | 43  | 34  | 29  | 55  | 42  | 34  | 29  | 41  | 34  | 28  |  | 40  | 33  | 28  |  | 39  | 33  | 28  | 26  |
| 10  | 53  | 39  | 31  | 26  | 51  | 39  | 31  | 26  | 38  | 31  | 26  |  | 37  | 30  | 26  |  | 36  | 30  | 26  | 24  |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 8242 | 8242 | 8242 |
| 5°  | 8196 | 8248 | 8256 |
| 10° | 8173 | 8233 | 8251 |
| 15° | 8126 | 8209 | 8267 |
| 20° | 8069 | 8177 | 8252 |
| 25° | 7987 | 8114 | 8227 |
| 30° | 7896 | 8051 | 8209 |
| 35° | 7770 | 7980 | 8194 |
| 40° | 7668 | 7915 | 8172 |
| 45° | 7524 | 7846 | 8139 |
| 50° | 7398 | 7753 | 8124 |
| 55° | 7221 | 7643 | 8071 |
| 60° | 7000 | 7491 | 7989 |
| 65° | 6689 | 7286 | 7660 |
| 70° | 6234 | 6881 | 7188 |
| 75° | 5570 | 6206 | 6558 |
| 80° | 4564 | 5231 | 5736 |
| 85° | 3058 | 3824 | 4264 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 8139 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 231.7  | 3.3       |
| 10°-20°   | 664.1  | 9.4       |
| 20°-30°   | 1005.6 | 14.2      |
| 30°-40°   | 1214.3 | 17.2      |
| 40°-50°   | 1269.1 | 17.9      |
| 50°-60°   | 1162.9 | 16.4      |
| 60°-70°   | 897.7  | 12.7      |
| 70°-80°   | 504.9  | 7.1       |
| 80°-90°   | 120.8  | 1.7       |
| 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°    | 1901.3 | 26.9      |
| 0°-40°    | 3115.6 | 44.1      |
| 0°-60°    | 5547.6 | 78.5      |
| 0°-90°    | 7071.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 7071.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2446 | 2446  | 2446 | 2446  | 2446 |      |
| 5°  | 2423 | 2441  | 2439 | 2441  | 2441 | 230  |
| 15° | 2329 | 2348  | 2353 | 2363  | 2370 | 657  |
| 25° | 2148 | 2167  | 2182 | 2194  | 2213 | 990  |
| 35° | 1889 | 1913  | 1940 | 1966  | 1992 | 1184 |
| 45° | 1579 | 1610  | 1646 | 1680  | 1708 | 1220 |
| 55° | 1229 | 1261  | 1301 | 1342  | 1374 | 1098 |
| 65° | 839  | 875   | 914  | 950   | 961  | 829  |
| 75° | 428  | 467   | 477  | 496   | 504  | 453  |
| 85° | 79   | 90    | 99   | 108   | 110  | 102  |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2445.9 | 2445.9 | 2445.9 | 2445.9 | 2445.9 |
| 2.5°  | 2429.2 | 2447.9 | 2443.8 | 2450.0 | 2438.6 |
| 5°    | 2423.0 | 2440.7 | 2438.6 | 2440.7 | 2440.7 |
| 7.5°  | 2407.4 | 2426.1 | 2425.0 | 2428.2 | 2430.3 |
| 10°   | 2388.6 | 2406.3 | 2406.3 | 2409.4 | 2411.5 |
| 12.5° | 2362.6 | 2381.3 | 2383.4 | 2388.6 | 2392.8 |
| 15°   | 2329.3 | 2348.0 | 2353.2 | 2362.6 | 2369.9 |
| 17.5° | 2291.8 | 2311.6 | 2319.9 | 2329.3 | 2338.7 |
| 20°   | 2250.2 | 2267.9 | 2280.4 | 2287.7 | 2301.2 |
| 22.5° | 2201.3 | 2221.1 | 2234.6 | 2241.9 | 2256.4 |
| 25°   | 2148.2 | 2166.9 | 2182.5 | 2194.0 | 2212.7 |
| 27.5° | 2092.0 | 2110.7 | 2129.5 | 2143.0 | 2164.9 |
| 30°   | 2029.5 | 2049.3 | 2069.1 | 2089.9 | 2109.7 |
| 32.5° | 1961.9 | 1984.8 | 2006.7 | 2029.5 | 2051.4 |
| 35°   | 1889.0 | 1913.0 | 1940.0 | 1966.1 | 1992.1 |
| 37.5° | 1821.4 | 1843.2 | 1871.3 | 1899.4 | 1925.5 |
| 40°   | 1743.3 | 1767.3 | 1799.5 | 1830.8 | 1857.8 |
| 42.5° | 1664.2 | 1690.2 | 1725.6 | 1755.8 | 1785.0 |
| 45°   | 1578.9 | 1610.1 | 1646.5 | 1679.8 | 1707.9 |
| 47.5° | 1499.8 | 1526.8 | 1563.3 | 1599.7 | 1628.8 |
| 50°   | 1411.3 | 1441.5 | 1479.0 | 1517.5 | 1549.7 |
| 52.5° | 1321.8 | 1353.0 | 1391.5 | 1430.1 | 1463.4 |
| 55°   | 1229.2 | 1261.4 | 1301.0 | 1341.6 | 1373.8 |
| 57.5° | 1134.5 | 1168.8 | 1209.4 | 1250.0 | 1282.3 |
| 60°   | 1038.7 | 1073.1 | 1111.6 | 1156.3 | 1185.5 |
| 62.5° | 938.8  | 977.3  | 1013.7 | 1055.4 | 1073.1 |
| 65°   | 838.9  | 875.3  | 913.8  | 950.2  | 960.7  |
| 67.5° | 736.9  | 774.4  | 808.7  | 832.6  | 846.2  |
| 70°   | 632.8  | 673.4  | 698.4  | 721.3  | 729.6  |
| 72.5° | 529.8  | 570.4  | 584.9  | 606.8  | 615.1  |
| 75°   | 427.8  | 467.3  | 476.7  | 496.5  | 503.7  |
| 77.5° | 328.9  | 365.3  | 368.4  | 391.3  | 397.6  |
| 80°   | 235.2  | 264.4  | 269.6  | 291.4  | 295.6  |
| 82.5° | 150.9  | 171.7  | 179.0  | 197.8  | 204.0  |
| 85°   | 79.1   | 90.5   | 98.9   | 108.2  | 110.3  |
| 87.5° | 26.0   | 32.3   | 27.1   | 28.1   | 26.0   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CIE UGR TABLE:**

| Reflectances:   |      |                  |       |       |       |       |                |       |       |       |       |
|-----------------|------|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Ceiling         |      | 0.7              | 0.7   | 0.5   | 0.5   | 0.3   | 0.7            | 0.7   | 0.5   | 0.5   | 0.3   |
| Wall            |      | 0.5              | 0.3   | 0.5   | 0.3   | 0.3   | 0.5            | 0.3   | 0.5   | 0.3   | 0.3   |
| Reference plane |      | 0.2              | 0.2   | 0.2   | 0.2   | 0.2   | 0.2            | 0.2   | 0.2   | 0.2   | 0.2   |
| Room dimensions |      | Viewed crosswise |       |       |       |       | Viewed endwise |       |       |       |       |
| X=2H            | Y=2H | 19.04            | 20.69 | 19.41 | 21.00 | 21.32 | 19.58          | 21.23 | 19.95 | 21.54 | 21.86 |
|                 | 3H   | 20.82            | 22.31 | 21.19 | 22.64 | 23.00 | 21.44          | 22.93 | 21.81 | 23.26 | 23.62 |
|                 | 4H   | 21.44            | 22.85 | 21.84 | 23.20 | 23.57 | 22.11          | 23.51 | 22.50 | 23.86 | 24.24 |
|                 | 6H   | 21.85            | 23.16 | 22.26 | 23.52 | 23.91 | 22.58          | 23.89 | 22.99 | 24.25 | 24.64 |
|                 | 8H   | 21.95            | 23.20 | 22.38 | 23.59 | 23.99 | 22.73          | 23.98 | 23.15 | 24.36 | 24.76 |
|                 | 12H  | 22.00            | 23.20 | 22.43 | 23.58 | 24.01 | 22.81          | 24.01 | 23.24 | 24.39 | 24.82 |
| 4H              | 2H   | 19.76            | 21.17 | 20.16 | 21.52 | 21.89 | 20.19          | 21.59 | 20.58 | 21.94 | 22.32 |
|                 | 3H   | 21.76            | 22.94 | 22.17 | 23.34 | 23.74 | 22.26          | 23.44 | 22.67 | 23.84 | 24.24 |
|                 | 4H   | 22.52            | 23.59 | 22.95 | 24.00 | 24.43 | 23.05          | 24.12 | 23.49 | 24.54 | 24.97 |
|                 | 6H   | 23.04            | 23.98 | 23.50 | 24.42 | 24.87 | 23.66          | 24.59 | 24.11 | 25.03 | 25.49 |
|                 | 8H   | 23.18            | 24.06 | 23.64 | 24.50 | 24.96 | 23.85          | 24.72 | 24.31 | 25.16 | 25.63 |
|                 | 12H  | 23.26            | 24.05 | 23.74 | 24.52 | 24.99 | 23.97          | 24.76 | 24.45 | 25.23 | 25.70 |
| 8H              | 4H   | 22.85            | 23.73 | 23.31 | 24.17 | 24.63 | 23.33          | 24.20 | 23.79 | 24.65 | 25.11 |
|                 | 6H   | 23.49            | 24.22 | 23.99 | 24.71 | 25.18 | 24.04          | 24.77 | 24.54 | 25.26 | 25.73 |
|                 | 8H   | 23.69            | 24.34 | 24.20 | 24.85 | 25.34 | 24.30          | 24.95 | 24.81 | 25.46 | 25.94 |
|                 | 12H  | 23.82            | 24.40 | 24.33 | 24.89 | 25.45 | 24.48          | 25.06 | 24.99 | 25.55 | 26.11 |
| 12H             | 4H   | 22.89            | 23.68 | 23.37 | 24.15 | 24.62 | 23.35          | 24.14 | 23.83 | 24.61 | 25.08 |
|                 | 6H   | 23.55            | 24.20 | 24.06 | 24.71 | 25.19 | 24.08          | 24.73 | 24.59 | 25.24 | 25.72 |
|                 | 8H   | 23.80            | 24.38 | 24.31 | 24.87 | 25.43 | 24.39          | 24.96 | 24.89 | 25.45 | 26.01 |