

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: FAIL-SAFE

Report Number: P997319

Luminaire Tested: FSP-14-L3C3-CP375-3000K-MID

Issue Date: 6/20/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P997319  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/20/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: FAIL-SAFE  
Catalog Number: FSP-14-L3C3-CP375-3000K-MID  
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

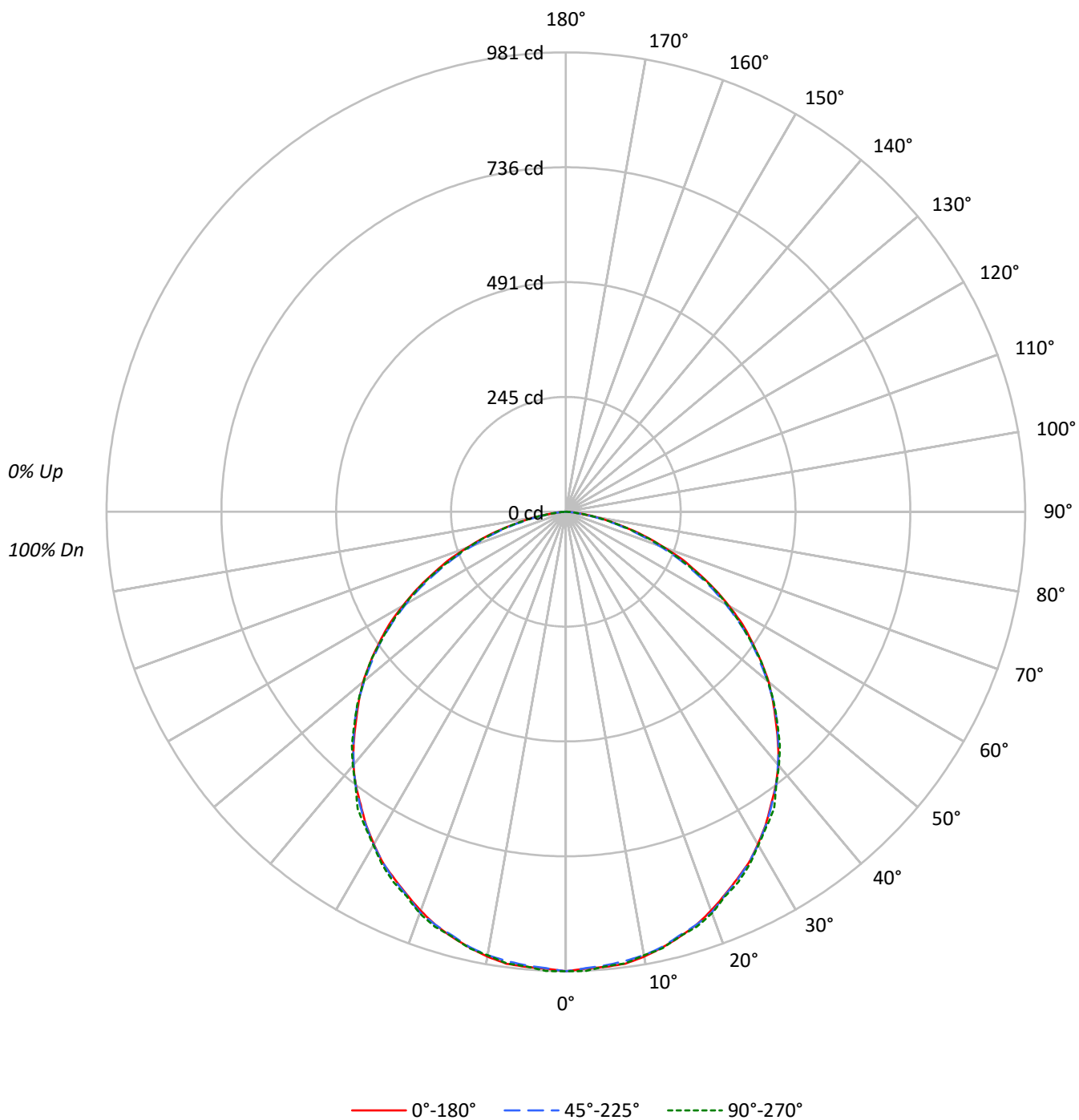
Lumens per Lamp: N/A  
Luminaire Lumens: 2625.0 lumens  
Efficiency: N/A  
Efficacy: 93.1 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.2  
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  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 109 | 105 | 101 | 97  | 107 | 103 | 99  | 96  | 99  | 96  | 93  |  | 95  | 92  | 90  |  | 91  |
| 2   | 100 | 92  | 85  | 80  | 97  | 90  | 84  | 79  | 87  | 82  | 77  |  | 83  | 79  | 75  |  | 80  |
| 3   | 91  | 81  | 73  | 67  | 89  | 79  | 72  | 66  | 76  | 70  | 65  |  | 74  | 68  | 64  |  | 71  |
| 4   | 84  | 72  | 63  | 57  | 81  | 71  | 63  | 56  | 68  | 61  | 56  |  | 66  | 60  | 55  |  | 64  |
| 5   | 77  | 64  | 56  | 49  | 75  | 63  | 55  | 49  | 61  | 54  | 48  |  | 59  | 53  | 48  |  | 57  |
| 6   | 71  | 58  | 49  | 43  | 69  | 57  | 49  | 43  | 55  | 48  | 42  |  | 54  | 47  | 42  |  | 52  |
| 7   | 66  | 53  | 44  | 38  | 64  | 52  | 44  | 38  | 50  | 43  | 37  |  | 49  | 42  | 37  |  | 47  |
| 8   | 61  | 48  | 40  | 34  | 60  | 47  | 39  | 34  | 46  | 39  | 33  |  | 45  | 38  | 33  |  | 44  |
| 9   | 57  | 44  | 36  | 30  | 56  | 43  | 36  | 30  | 42  | 35  | 30  |  | 41  | 35  | 30  |  | 40  |
| 10  | 54  | 41  | 33  | 28  | 52  | 40  | 33  | 28  | 39  | 32  | 27  |  | 38  | 32  | 27  |  | 37  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 3410 | 3410 | 3410 |
| 5°  | 3402 | 3392 | 3399 |
| 10° | 3404 | 3393 | 3393 |
| 15° | 3382 | 3371 | 3378 |
| 20° | 3352 | 3367 | 3374 |
| 25° | 3318 | 3325 | 3344 |
| 30° | 3290 | 3294 | 3298 |
| 35° | 3241 | 3249 | 3287 |
| 40° | 3202 | 3198 | 3211 |
| 45° | 3117 | 3136 | 3136 |
| 50° | 3057 | 3035 | 3046 |
| 55° | 2942 | 2919 | 2925 |
| 60° | 2795 | 2740 | 2774 |
| 65° | 2571 | 2482 | 2538 |
| 70° | 2278 | 2148 | 2247 |
| 75° | 1835 | 1729 | 1822 |
| 80° | 1299 | 1181 | 1259 |
| 85° | 550  | 510  | 586  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3136 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 92.8   | 3.5       |
| 10°-20°   | 265.5  | 10.1      |
| 20°-30°   | 400.3  | 15.3      |
| 30°-40°   | 479.4  | 18.3      |
| 40°-50°   | 491.0  | 18.7      |
| 50°-60°   | 429.9  | 16.4      |
| 60°-70°   | 302.7  | 11.5      |
| 70°-80°   | 141.7  | 5.4       |
| 80°-90°   | 21.7   | 0.8       |
| 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°    | 758.6  | 28.9      |
| 0°-40°    | 1238.0 | 47.2      |
| 0°-60°    | 2158.8 | 82.2      |
| 0°-90°    | 2625.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2625.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 981 | 981   | 981 | 981   | 981 |      |
| 5°  | 975 | 976   | 972 | 979   | 974 | 93   |
| 15° | 940 | 941   | 937 | 944   | 939 | 265  |
| 25° | 865 | 869   | 867 | 872   | 872 | 399  |
| 35° | 764 | 764   | 766 | 769   | 775 | 479  |
| 45° | 634 | 633   | 638 | 638   | 638 | 490  |
| 55° | 486 | 482   | 482 | 482   | 483 | 434  |
| 65° | 313 | 307   | 302 | 301   | 309 | 311  |
| 75° | 137 | 134   | 129 | 129   | 136 | 148  |
| 85° | 14  | 14    | 13  | 13    | 15  | 23   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 981.3 | 981.3 | 981.3 | 981.3 | 981.3 |
| 2.5°  | 976.4 | 981.3 | 975.4 | 981.3 | 981.3 |
| 5°    | 975.4 | 976.4 | 972.4 | 979.3 | 974.4 |
| 7.5°  | 973.4 | 972.4 | 967.5 | 973.4 | 972.4 |
| 10°   | 964.6 | 964.6 | 961.6 | 965.6 | 961.6 |
| 12.5° | 952.8 | 953.8 | 951.8 | 955.7 | 954.7 |
| 15°   | 940.0 | 941.0 | 937.0 | 943.9 | 939.0 |
| 17.5° | 925.2 | 925.2 | 925.2 | 927.2 | 929.2 |
| 20°   | 906.6 | 907.5 | 910.5 | 912.5 | 912.5 |
| 22.5° | 885.9 | 885.9 | 886.9 | 889.8 | 888.9 |
| 25°   | 865.3 | 869.2 | 867.2 | 872.1 | 872.1 |
| 27.5° | 845.6 | 846.6 | 845.6 | 849.5 | 849.5 |
| 30°   | 820.0 | 817.1 | 821.0 | 824.0 | 822.0 |
| 32.5° | 793.5 | 790.5 | 794.5 | 798.4 | 797.4 |
| 35°   | 764.0 | 764.0 | 766.0 | 768.9 | 774.8 |
| 37.5° | 736.5 | 734.5 | 737.4 | 739.4 | 737.4 |
| 40°   | 706.0 | 703.0 | 705.0 | 704.0 | 707.9 |
| 42.5° | 670.6 | 670.6 | 671.6 | 672.5 | 676.5 |
| 45°   | 634.2 | 633.2 | 638.1 | 638.1 | 638.1 |
| 47.5° | 599.8 | 600.8 | 601.8 | 602.7 | 602.7 |
| 50°   | 565.4 | 561.4 | 561.4 | 561.4 | 563.4 |
| 52.5° | 526.0 | 522.1 | 521.1 | 520.1 | 526.0 |
| 55°   | 485.7 | 481.8 | 481.8 | 481.8 | 482.8 |
| 57.5° | 447.4 | 439.5 | 438.5 | 435.6 | 440.5 |
| 60°   | 402.2 | 396.3 | 394.3 | 391.3 | 399.2 |
| 62.5° | 358.9 | 353.0 | 349.1 | 347.1 | 355.9 |
| 65°   | 312.7 | 306.8 | 301.9 | 300.9 | 308.7 |
| 67.5° | 273.3 | 262.5 | 258.6 | 257.6 | 263.5 |
| 70°   | 224.2 | 217.3 | 211.4 | 213.4 | 221.2 |
| 72.5° | 182.9 | 175.0 | 170.1 | 170.1 | 178.0 |
| 75°   | 136.7 | 133.7 | 128.8 | 128.8 | 135.7 |
| 77.5° | 98.3  | 95.4  | 90.5  | 92.4  | 96.4  |
| 80°   | 64.9  | 61.0  | 59.0  | 59.0  | 62.9  |
| 82.5° | 36.4  | 33.4  | 32.4  | 32.4  | 34.4  |
| 85°   | 13.8  | 13.8  | 12.8  | 12.8  | 14.7  |
| 87.5° | 2.9   | 2.9   | 2.9   | 2.0   | 2.9   |
| 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 | 15.90            | 17.51 | 16.27 | 17.82 | 18.14 | 15.83          | 17.44 | 16.20 | 17.75 | 18.07 |
|                 | 3H   | 17.45            | 18.89 | 17.82 | 19.22 | 19.58 | 17.34          | 18.78 | 17.72 | 19.11 | 19.47 |
|                 | 4H   | 17.91            | 19.26 | 18.31 | 19.61 | 19.99 | 17.80          | 19.15 | 18.19 | 19.50 | 19.88 |
|                 | 6H   | 18.14            | 19.40 | 18.55 | 19.76 | 20.15 | 18.02          | 19.28 | 18.44 | 19.64 | 20.03 |
|                 | 8H   | 18.18            | 19.37 | 18.60 | 19.76 | 20.16 | 18.06          | 19.25 | 18.48 | 19.64 | 20.04 |
|                 | 12H  | 18.17            | 19.32 | 18.60 | 19.70 | 20.13 | 18.05          | 19.20 | 18.48 | 19.58 | 20.01 |
| 4H              | 2H   | 16.44            | 17.79 | 16.84 | 18.14 | 18.52 | 16.38          | 17.74 | 16.78 | 18.09 | 18.46 |
|                 | 3H   | 18.16            | 19.28 | 18.56 | 19.68 | 20.08 | 18.06          | 19.19 | 18.47 | 19.59 | 19.99 |
|                 | 4H   | 18.71            | 19.72 | 19.14 | 20.14 | 20.58 | 18.60          | 19.62 | 19.03 | 20.03 | 20.47 |
|                 | 6H   | 19.02            | 19.91 | 19.48 | 20.35 | 20.80 | 18.91          | 19.79 | 19.36 | 20.23 | 20.69 |
|                 | 8H   | 19.07            | 19.90 | 19.53 | 20.34 | 20.81 | 18.95          | 19.78 | 19.41 | 20.22 | 20.69 |
|                 | 12H  | 19.08            | 19.82 | 19.56 | 20.30 | 20.77 | 18.96          | 19.70 | 19.44 | 20.18 | 20.65 |
| 8H              | 4H   | 18.88            | 19.70 | 19.34 | 20.15 | 20.61 | 18.78          | 19.61 | 19.24 | 20.05 | 20.51 |
|                 | 6H   | 19.24            | 19.92 | 19.74 | 20.41 | 20.89 | 19.13          | 19.82 | 19.63 | 20.31 | 20.78 |
|                 | 8H   | 19.32            | 19.93 | 19.83 | 20.43 | 20.92 | 19.20          | 19.81 | 19.71 | 20.32 | 20.81 |
|                 | 12H  | 19.34            | 19.88 | 19.85 | 20.37 | 20.94 | 19.23          | 19.77 | 19.74 | 20.26 | 20.82 |
| 12H             | 4H   | 18.88            | 19.62 | 19.36 | 20.09 | 20.56 | 18.78          | 19.52 | 19.26 | 20.00 | 20.47 |
|                 | 6H   | 19.24            | 19.85 | 19.75 | 20.36 | 20.84 | 19.13          | 19.74 | 19.64 | 20.25 | 20.74 |
|                 | 8H   | 19.34            | 19.88 | 19.85 | 20.37 | 20.93 | 19.23          | 19.77 | 19.74 | 20.26 | 20.82 |