

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: P997379

Luminaire Tested: FSP-22-L3C3-CP375-4000K-MID

Issue Date: 6/20/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P997379  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/20/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: FAIL-SAFE  
Catalog Number: FSP-22-L3C3-CP375-4000K-MID  
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

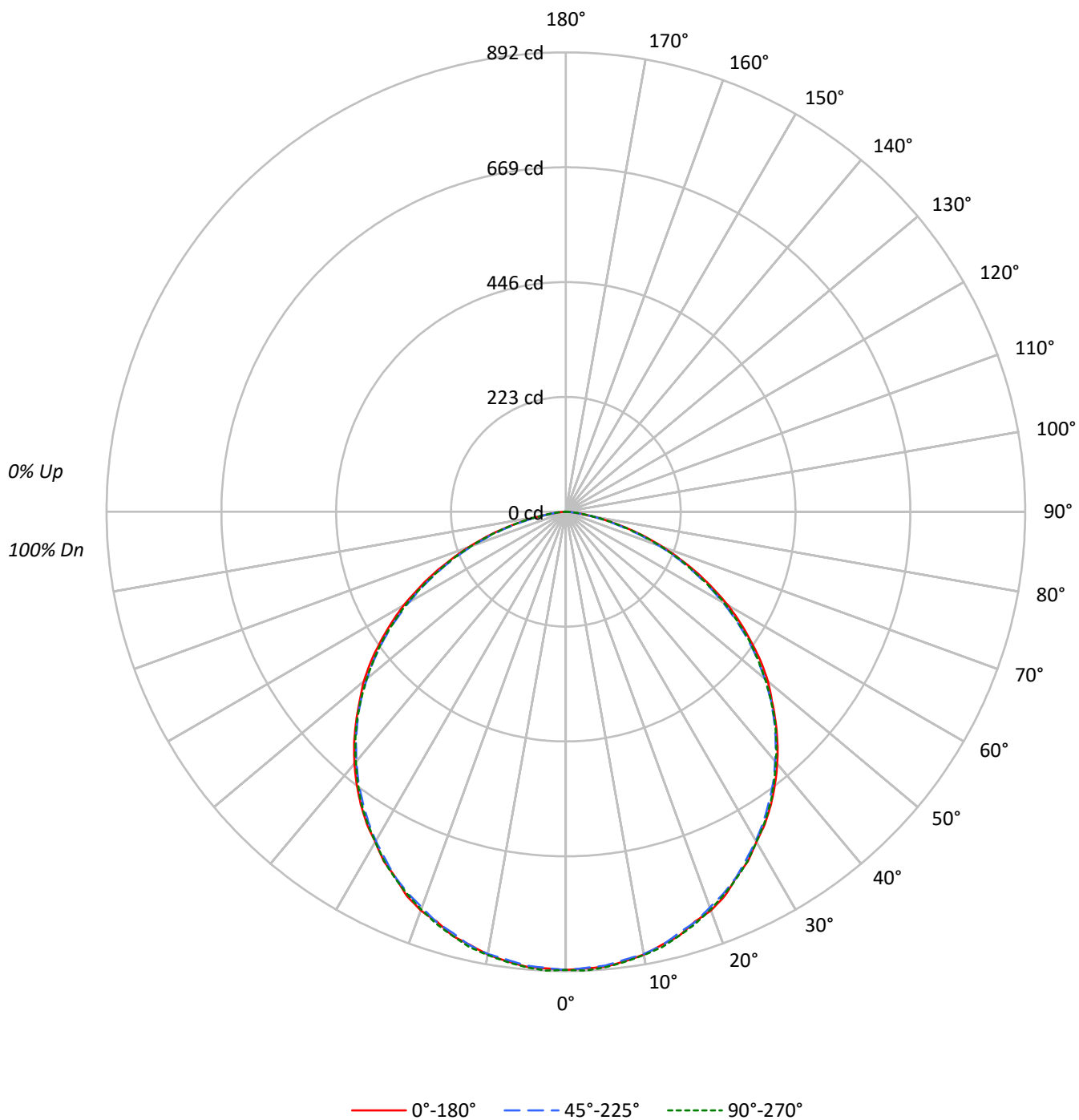
Lumens per Lamp: N/A  
Luminaire Lumens: 2362.0 lumens  
Efficiency: N/A  
Efficacy: 98.0 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.35  
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')  
CIE Type: Direct

Input Watts (W): 24.1  
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  | 77  | 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  | 38  |  | 49  | 42  | 37  |  | 48  |
| 8   | 61  | 48  | 40  | 34  | 60  | 47  | 39  | 34  | 46  | 39  | 34  |  | 45  | 38  | 33  |  | 44  |
| 9   | 57  | 44  | 36  | 30  | 56  | 44  | 36  | 30  | 42  | 35  | 30  |  | 41  | 35  | 30  |  | 40  |
| 10  | 54  | 41  | 33  | 28  | 53  | 40  | 33  | 28  | 39  | 32  | 27  |  | 38  | 32  | 27  |  | 37  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 2915 | 2915 | 2915 |
| 5°  | 2916 | 2909 | 2919 |
| 10° | 2904 | 2901 | 2908 |
| 15° | 2890 | 2872 | 2890 |
| 20° | 2872 | 2850 | 2865 |
| 25° | 2831 | 2831 | 2838 |
| 30° | 2800 | 2793 | 2800 |
| 35° | 2776 | 2752 | 2768 |
| 40° | 2732 | 2705 | 2714 |
| 45° | 2669 | 2650 | 2659 |
| 50° | 2611 | 2569 | 2574 |
| 55° | 2508 | 2460 | 2478 |
| 60° | 2384 | 2309 | 2336 |
| 65° | 2189 | 2107 | 2124 |
| 70° | 1923 | 1843 | 1873 |
| 75° | 1548 | 1456 | 1509 |
| 80° | 1045 | 987  | 1045 |
| 85° | 470  | 432  | 470  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 45°  
Luminance: 2669 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 84.0   | 3.6       |
| 10°-20°   | 239.8  | 10.2      |
| 20°-30°   | 360.9  | 15.3      |
| 30°-40°   | 431.7  | 18.3      |
| 40°-50°   | 441.5  | 18.7      |
| 50°-60°   | 386.1  | 16.3      |
| 60°-70°   | 271.6  | 11.5      |
| 70°-80°   | 126.6  | 5.4       |
| 80°-90°   | 19.7   | 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°    | 684.8  | 29.0      |
| 0°-40°    | 1116.5 | 47.3      |
| 0°-60°    | 1944.1 | 82.3      |
| 0°-90°    | 2362.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2362.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 890 | 890   | 890 | 890   | 890 |      |
| 5°  | 886 | 883   | 884 | 882   | 888 | 84   |
| 15° | 852 | 851   | 847 | 849   | 852 | 240  |
| 25° | 783 | 784   | 783 | 782   | 785 | 362  |
| 35° | 694 | 693   | 688 | 688   | 692 | 434  |
| 45° | 576 | 574   | 572 | 572   | 574 | 444  |
| 55° | 439 | 435   | 431 | 429   | 434 | 392  |
| 65° | 282 | 277   | 272 | 271   | 274 | 278  |
| 75° | 122 | 119   | 115 | 116   | 119 | 131  |
| 85° | 12  | 12    | 12  | 12    | 12  | 21   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 889.6 | 889.6 | 889.6 | 889.6 | 889.6 |
| 2.5°  | 887.5 | 889.6 | 886.5 | 885.5 | 891.7 |
| 5°    | 886.5 | 883.4 | 884.4 | 882.3 | 887.5 |
| 7.5°  | 880.2 | 880.2 | 877.1 | 878.1 | 881.3 |
| 10°   | 872.9 | 870.8 | 871.9 | 871.9 | 874.0 |
| 12.5° | 861.4 | 863.5 | 862.5 | 862.5 | 865.6 |
| 15°   | 852.0 | 851.0 | 846.8 | 848.9 | 852.0 |
| 17.5° | 834.2 | 837.4 | 835.3 | 835.3 | 838.4 |
| 20°   | 823.8 | 821.7 | 817.5 | 819.6 | 821.7 |
| 22.5° | 807.1 | 805.0 | 801.8 | 802.9 | 803.9 |
| 25°   | 783.0 | 784.1 | 783.0 | 782.0 | 785.1 |
| 27.5° | 765.2 | 762.1 | 760.0 | 760.0 | 764.2 |
| 30°   | 740.1 | 742.2 | 738.1 | 738.1 | 740.1 |
| 32.5° | 719.2 | 718.2 | 714.0 | 715.1 | 717.1 |
| 35°   | 694.1 | 693.1 | 687.9 | 687.9 | 692.1 |
| 37.5° | 667.0 | 664.9 | 661.7 | 659.7 | 663.8 |
| 40°   | 638.7 | 638.7 | 632.5 | 630.4 | 634.6 |
| 42.5° | 608.4 | 604.2 | 603.2 | 604.2 | 605.3 |
| 45°   | 576.0 | 573.9 | 571.8 | 571.8 | 573.9 |
| 47.5° | 542.6 | 541.5 | 539.4 | 537.3 | 539.4 |
| 50°   | 512.2 | 506.0 | 503.9 | 503.9 | 504.9 |
| 52.5° | 476.7 | 470.4 | 468.3 | 466.3 | 469.4 |
| 55°   | 439.1 | 434.9 | 430.7 | 428.6 | 433.8 |
| 57.5° | 401.4 | 396.2 | 392.0 | 393.1 | 394.1 |
| 60°   | 363.8 | 356.5 | 352.3 | 351.3 | 356.5 |
| 62.5° | 322.0 | 317.8 | 312.6 | 312.6 | 314.7 |
| 65°   | 282.3 | 277.0 | 271.8 | 270.8 | 273.9 |
| 67.5° | 239.4 | 237.3 | 232.1 | 230.0 | 236.3 |
| 70°   | 200.7 | 194.4 | 192.4 | 190.3 | 195.5 |
| 72.5° | 161.0 | 154.7 | 152.6 | 153.7 | 157.9 |
| 75°   | 122.3 | 119.2 | 115.0 | 116.0 | 119.2 |
| 77.5° | 86.8  | 84.7  | 81.5  | 83.6  | 86.8  |
| 80°   | 55.4  | 54.4  | 52.3  | 53.3  | 55.4  |
| 82.5° | 32.4  | 31.4  | 29.3  | 30.3  | 30.3  |
| 85°   | 12.5  | 11.5  | 11.5  | 12.5  | 12.5  |
| 87.5° | 3.1   | 3.1   | 3.1   | 2.1   | 3.1   |
| 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 | 15.34            | 16.94 | 15.71 | 17.26 | 17.57 | 15.27          | 16.87 | 15.64 | 17.19 | 17.50 |
|                 | 3H   | 16.86            | 18.30 | 17.23 | 18.63 | 18.99 | 16.75          | 18.20 | 17.13 | 18.52 | 18.88 |
|                 | 4H   | 17.31            | 18.66 | 17.71 | 19.01 | 19.39 | 17.20          | 18.55 | 17.60 | 18.90 | 19.28 |
|                 | 6H   | 17.53            | 18.78 | 17.94 | 19.15 | 19.54 | 17.43          | 18.68 | 17.84 | 19.05 | 19.44 |
|                 | 8H   | 17.56            | 18.76 | 17.99 | 19.15 | 19.55 | 17.46          | 18.65 | 17.88 | 19.04 | 19.44 |
|                 | 12H  | 17.56            | 18.71 | 17.99 | 19.09 | 19.52 | 17.46          | 18.60 | 17.89 | 18.98 | 19.41 |
| 4H              | 2H   | 15.87            | 17.23 | 16.27 | 17.58 | 17.95 | 15.82          | 17.17 | 16.22 | 17.52 | 17.90 |
|                 | 3H   | 17.57            | 18.69 | 17.98 | 19.09 | 19.49 | 17.48          | 18.61 | 17.89 | 19.00 | 19.41 |
|                 | 4H   | 18.11            | 19.13 | 18.54 | 19.54 | 19.98 | 18.01          | 19.03 | 18.44 | 19.44 | 19.88 |
|                 | 6H   | 18.41            | 19.29 | 18.87 | 19.74 | 20.19 | 18.32          | 19.20 | 18.77 | 19.64 | 20.10 |
|                 | 8H   | 18.46            | 19.29 | 18.92 | 19.73 | 20.20 | 18.36          | 19.19 | 18.82 | 19.63 | 20.10 |
|                 | 12H  | 18.47            | 19.21 | 18.95 | 19.69 | 20.16 | 18.37          | 19.11 | 18.85 | 19.59 | 20.06 |
| 8H              | 4H   | 18.28            | 19.11 | 18.74 | 19.55 | 20.01 | 18.19          | 19.01 | 18.65 | 19.46 | 19.92 |
|                 | 6H   | 18.63            | 19.31 | 19.13 | 19.80 | 20.28 | 18.55          | 19.23 | 19.04 | 19.72 | 20.19 |
|                 | 8H   | 18.71            | 19.32 | 19.22 | 19.82 | 20.31 | 18.61          | 19.22 | 19.13 | 19.73 | 20.22 |
|                 | 12H  | 18.74            | 19.27 | 19.24 | 19.77 | 20.33 | 18.64          | 19.18 | 19.15 | 19.67 | 20.24 |
| 12H             | 4H   | 18.28            | 19.02 | 18.76 | 19.49 | 19.96 | 18.19          | 18.93 | 18.67 | 19.40 | 19.87 |
|                 | 6H   | 18.63            | 19.24 | 19.14 | 19.75 | 20.23 | 18.54          | 19.15 | 19.05 | 19.66 | 20.15 |
|                 | 8H   | 18.73            | 19.27 | 19.24 | 19.76 | 20.32 | 18.64          | 19.18 | 19.15 | 19.67 | 20.23 |