

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: NEO-RAY

Report Number: P1007436

Luminaire Tested: S122IP-B725UB50-4F0-XX-W2A-1

Issue Date: 5/5/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1007436  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/5/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S122IP-B725UB50-4F0-XX-W2A-1  
Description: Define 2 Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}  
Light Source: -  
Ballast/Driver: -

**Summary**

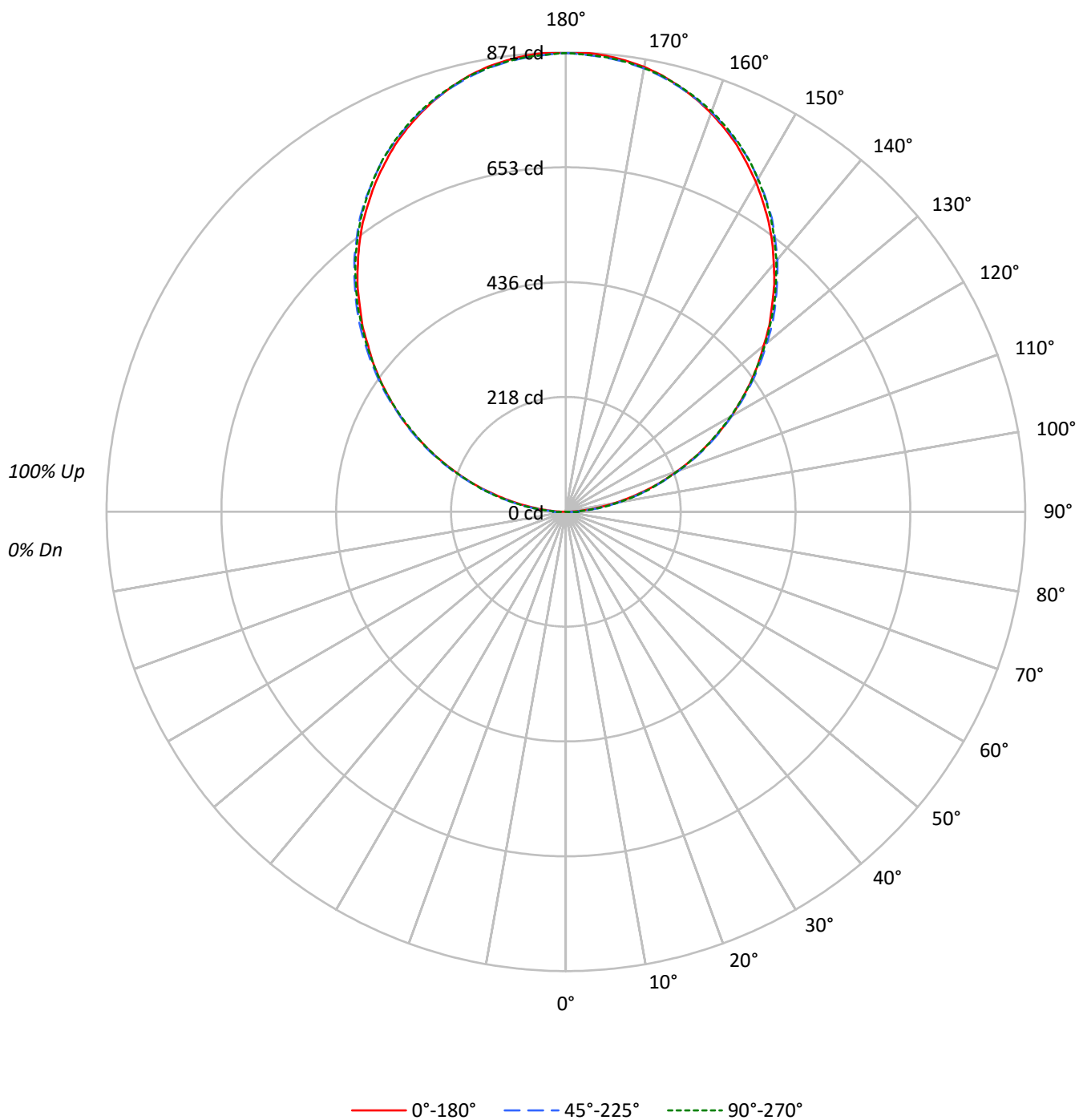
Lumens per Lamp: N/A  
Luminaire Lumens: 2434.0 lumens  
Efficiency: N/A  
Efficacy: 115.4 lumens/watt  
Spacing Criteria (0/90/45): - / - / -  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Indirect

Input Watts (W): 21.1  
Input Voltage (V):  
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 | 30 | 10 |
| RCR |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 95 | 95 | 95 | 95 | 81 | 81 | 81 | 81 | 56 | 56 | 56 | 32 | 32 | 32 | 10 | 10 | 10 |
| 1   | 87 | 83 | 79 | 76 | 74 | 71 | 68 | 65 | 48 | 47 | 45 | 28 | 27 | 26 | 9  | 9  | 8  |
| 2   | 79 | 72 | 66 | 62 | 67 | 62 | 57 | 53 | 42 | 40 | 37 | 24 | 23 | 22 | 8  | 7  | 7  |
| 3   | 72 | 63 | 56 | 51 | 61 | 54 | 49 | 44 | 37 | 34 | 31 | 21 | 20 | 18 | 7  | 6  | 6  |
| 4   | 65 | 56 | 48 | 43 | 56 | 48 | 42 | 37 | 33 | 29 | 26 | 19 | 17 | 16 | 6  | 6  | 5  |
| 5   | 60 | 49 | 42 | 36 | 51 | 42 | 36 | 32 | 29 | 25 | 22 | 17 | 15 | 13 | 5  | 5  | 4  |
| 6   | 55 | 44 | 36 | 31 | 47 | 38 | 32 | 27 | 26 | 22 | 19 | 15 | 13 | 11 | 5  | 4  | 4  |
| 7   | 50 | 39 | 32 | 27 | 43 | 34 | 28 | 23 | 23 | 19 | 17 | 14 | 11 | 10 | 4  | 4  | 3  |
| 8   | 47 | 35 | 28 | 23 | 40 | 30 | 24 | 20 | 21 | 17 | 14 | 12 | 10 | 9  | 4  | 3  | 3  |
| 9   | 43 | 32 | 25 | 20 | 37 | 27 | 22 | 18 | 19 | 15 | 13 | 11 | 9  | 8  | 4  | 3  | 3  |
| 10  | 40 | 29 | 22 | 18 | 34 | 25 | 19 | 16 | 17 | 14 | 11 | 10 | 8  | 7  | 3  | 3  | 2  |

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

|     | 0° | 45° | 90° |
|-----|----|-----|-----|
| 0°  | 0  | 0   | 0   |
| 5°  | 0  | 0   | 0   |
| 10° | 0  | 0   | 0   |
| 15° | 0  | 0   | 0   |
| 20° | 0  | 0   | 0   |
| 25° | 0  | 0   | 0   |
| 30° | 0  | 0   | 0   |
| 35° | 0  | 0   | 0   |
| 40° | 0  | 0   | 0   |
| 45° | 0  | 0   | 0   |
| 50° | 0  | 0   | 0   |
| 55° | 0  | 0   | 0   |
| 60° | 0  | 0   | 0   |
| 65° | 0  | 0   | 0   |
| 70° | 0  | 0   | 0   |
| 75° | 0  | 0   | 0   |
| 80° | 0  | 0   | 0   |
| 85° | 0  | 0   | 0   |

**MAXIMUM LUMINANCE 45°-90°:**

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

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 0.0    | 0.0       |
| 10°-20°   | 0.0    | 0.0       |
| 20°-30°   | 0.0    | 0.0       |
| 30°-40°   | 0.0    | 0.0       |
| 40°-50°   | 0.0    | 0.0       |
| 50°-60°   | 0.0    | 0.0       |
| 60°-70°   | 0.0    | 0.0       |
| 70°-80°   | 0.0    | 0.0       |
| 80°-90°   | 2.5    | 0.1       |
| 90°-100°  | 53.8   | 2.2       |
| 100°-110° | 171.0  | 7.0       |
| 110°-120° | 292.7  | 12.0      |
| 120°-130° | 384.9  | 15.8      |
| 130°-140° | 432.0  | 17.7      |
| 140°-150° | 423.7  | 17.4      |
| 150°-160° | 355.4  | 14.6      |
| 160°-170° | 235.7  | 9.7       |
| 170°-180° | 82.4   | 3.4       |
| 0°-30°    | 0.0    | 0.0       |
| 0°-40°    | 0.0    | 0.0       |
| 0°-60°    | 0.0    | 0.0       |
| 0°-90°    | 2.5    | 0.1       |
| 90°-120°  | 517.5  | 21.3      |
| 90°-150°  | 1758.1 | 72.2      |
| 90°-180°  | 2432.0 | 99.9      |
| 0°-180°   | 2434.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0°   | 0   | 0     | 0   | 0     | 0   |      |
| 5°   | 0   | 0     | 0   | 0     | 0   | 0    |
| 15°  | 0   | 0     | 0   | 0     | 0   | 0    |
| 25°  | 0   | 0     | 0   | 0     | 0   | 0    |
| 35°  | 0   | 0     | 0   | 0     | 0   | 0    |
| 45°  | 0   | 0     | 0   | 0     | 0   | 0    |
| 55°  | 0   | 0     | 0   | 0     | 0   | 0    |
| 65°  | 0   | 0     | 0   | 0     | 0   | 0    |
| 75°  | 0   | 0     | 0   | 0     | 0   | 0    |
| 85°  | 0   | 0     | 0   | 0     | 0   | 0    |
| 90°  | 1   | 10    | 26  | 24    | 25  | 2    |
| 95°  | 38  | 46    | 47  | 47    | 46  | 43   |
| 105° | 158 | 160   | 162 | 163   | 163 | 167  |
| 115° | 294 | 298   | 296 | 296   | 294 | 290  |
| 125° | 427 | 434   | 432 | 429   | 429 | 382  |
| 135° | 553 | 561   | 562 | 562   | 559 | 427  |
| 145° | 671 | 676   | 680 | 681   | 678 | 419  |
| 155° | 767 | 769   | 771 | 775   | 773 | 353  |
| 165° | 834 | 834   | 834 | 839   | 835 | 235  |
| 175° | 868 | 866   | 865 | 870   | 865 | 82   |
| 180° | 870 | 870   | 870 | 870   | 870 |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|--------|-------|-------|-------|-------|-------|
| 0°     | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 2.5°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 5°     | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 7.5°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 10°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 12.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 15°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 17.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 20°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 22.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 25°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 27.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 30°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 32.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 35°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 37.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 40°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 42.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 45°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 47.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 50°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 52.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 55°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 57.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 60°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 62.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 65°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 67.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 70°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 72.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 75°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 77.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 80°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 82.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 85°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 87.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 90°    | 0.7   | 9.5   | 25.7  | 24.2  | 25.0  |
| 92.5°  | 16.1  | 22.0  | 22.8  | 23.5  | 23.5  |
| 95°    | 38.2  | 45.5  | 47.0  | 47.0  | 45.5  |
| 97.5°  | 63.9  | 70.5  | 73.4  | 73.4  | 73.4  |
| 100°   | 93.2  | 99.1  | 101.3 | 101.3 | 100.5 |
| 102.5° | 124.0 | 128.4 | 131.4 | 132.1 | 131.4 |
| 105°   | 157.8 | 160.0 | 161.5 | 162.9 | 162.9 |
| 107.5° | 191.6 | 194.5 | 194.5 | 195.2 | 191.6 |
| 110°   | 223.8 | 228.3 | 228.3 | 228.3 | 226.0 |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|--------|-------|-------|-------|-------|-------|
| 112.5° | 259.1 | 263.5 | 262.7 | 260.5 | 259.1 |
| 115°   | 293.6 | 298.0 | 296.5 | 295.8 | 293.6 |
| 117.5° | 328.1 | 333.9 | 330.3 | 328.1 | 325.9 |
| 120°   | 362.6 | 368.4 | 362.6 | 362.6 | 360.4 |
| 122.5° | 394.1 | 401.5 | 397.8 | 395.6 | 394.1 |
| 125°   | 427.1 | 433.8 | 431.5 | 429.3 | 428.6 |
| 127.5° | 459.4 | 467.5 | 464.6 | 461.6 | 459.4 |
| 130°   | 489.5 | 499.1 | 497.6 | 496.1 | 493.2 |
| 132.5° | 523.3 | 530.6 | 531.4 | 527.7 | 525.5 |
| 135°   | 552.6 | 560.7 | 562.2 | 561.5 | 559.3 |
| 137.5° | 584.9 | 591.5 | 593.0 | 592.3 | 589.3 |
| 140°   | 613.6 | 620.2 | 623.8 | 623.8 | 620.9 |
| 142.5° | 642.9 | 649.5 | 651.7 | 652.5 | 649.5 |
| 145°   | 670.8 | 675.9 | 680.4 | 681.1 | 678.1 |
| 147.5° | 695.8 | 702.4 | 705.3 | 706.8 | 703.8 |
| 150°   | 721.4 | 725.9 | 728.8 | 731.0 | 728.8 |
| 152.5° | 744.2 | 748.6 | 752.3 | 755.2 | 752.3 |
| 155°   | 767.0 | 769.2 | 771.4 | 775.0 | 772.8 |
| 157.5° | 786.8 | 788.2 | 789.7 | 794.8 | 791.2 |
| 160°   | 804.4 | 805.9 | 806.6 | 811.0 | 808.1 |
| 162.5° | 820.5 | 820.5 | 821.3 | 826.4 | 822.7 |
| 165°   | 834.5 | 833.7 | 833.7 | 838.9 | 835.2 |
| 167.5° | 847.0 | 844.7 | 844.7 | 849.9 | 846.2 |
| 170°   | 856.5 | 854.3 | 853.6 | 858.7 | 854.3 |
| 172.5° | 863.1 | 860.9 | 860.2 | 865.3 | 860.9 |
| 175°   | 868.2 | 866.0 | 864.6 | 869.7 | 865.3 |
| 177.5° | 871.2 | 869.0 | 867.5 | 871.9 | 867.5 |
| 180°   | 869.7 | 869.7 | 869.7 | 869.7 | 869.7 |

(END OF REPORT)