

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: P1007866

Luminaire Tested: S125IP-B610UB2750-4F0-XX-W2A-1\_5000K

Issue Date: 5/5/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1007866  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/5/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S125IP-B610UB2750-4F0-XX-W2A-1\_5000K  
Description: Define 5 Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}  
Light Source: -  
Ballast/Driver: -

**Summary**

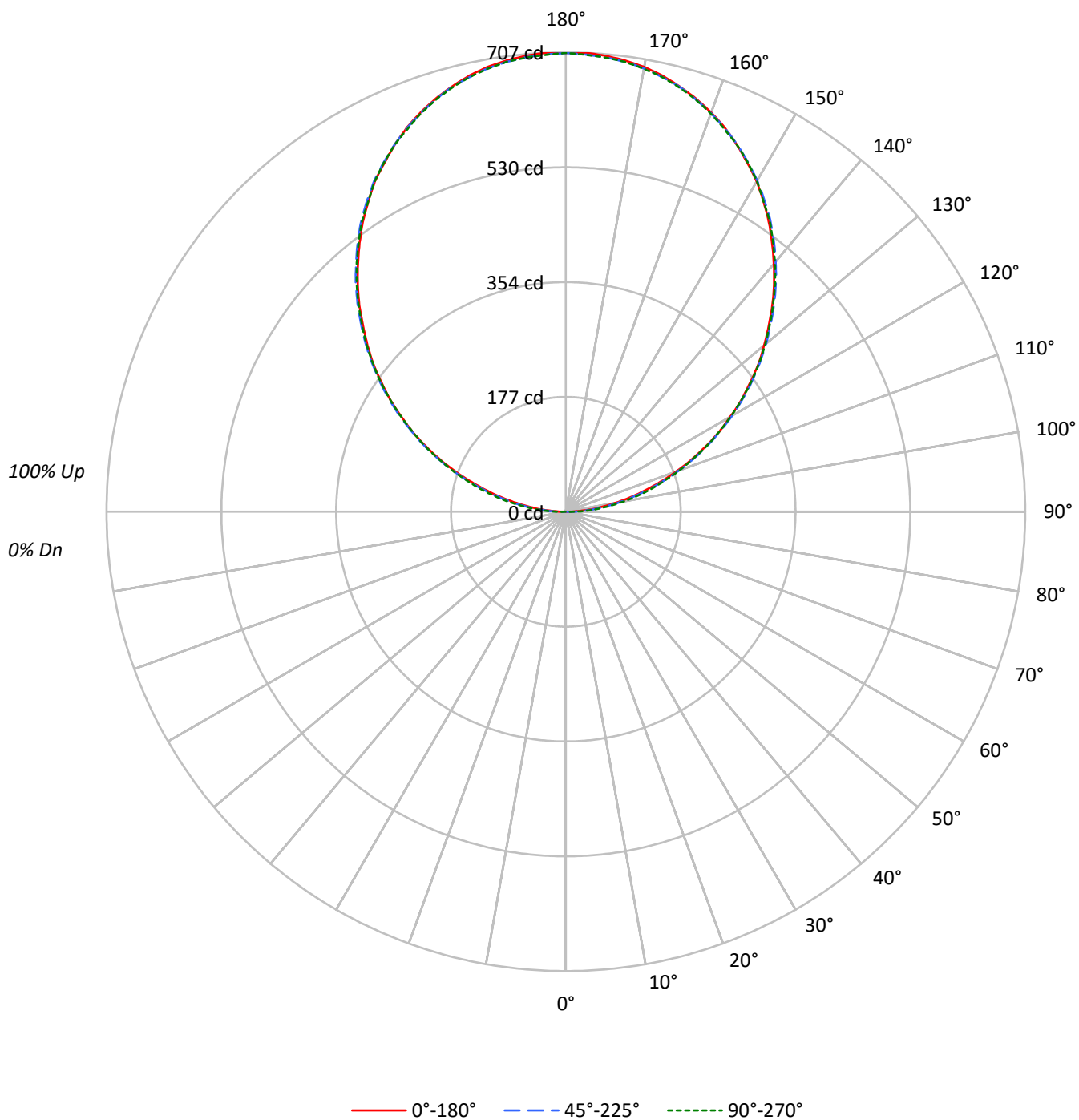
Lumens per Lamp: N/A  
Luminaire Lumens: 1972.0 lumens  
Efficiency: N/A  
Efficacy: 128.1 lumens/watt  
Spacing Criteria (0/90/45): - / - / -  
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')  
CIE Type: Indirect

Input Watts (W): 15.4  
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

TEST NUMBER: P1007866

CATALOG NUMBER: S125IP-B610UB2750-4F0-XX-W2A-1\_5000K

**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°   | 1.1    | 0.1       |
| 90°-100°  | 47.0   | 2.4       |
| 100°-110° | 139.5  | 7.1       |
| 110°-120° | 236.6  | 12.0      |
| 120°-130° | 311.5  | 15.8      |
| 130°-140° | 349.0  | 17.7      |
| 140°-150° | 342.1  | 17.3      |
| 150°-160° | 287.4  | 14.6      |
| 160°-170° | 191.0  | 9.7       |
| 170°-180° | 66.8   | 3.4       |
| 0°-30°    | 0.0    | 0.0       |
| 0°-40°    | 0.0    | 0.0       |
| 0°-60°    | 0.0    | 0.0       |
| 0°-90°    | 1.1    | 0.1       |
| 90°-120°  | 423.1  | 21.5      |
| 90°-150°  | 1425.7 | 72.3      |
| 90°-180°  | 1971.0 | 100.0     |
| 0°-180°   | 1972.0 | 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°  | 0   | 5     | 9   | 12    | 13  | 2    |
| 95°  | 36  | 37    | 42  | 46    | 47  | 37   |
| 105° | 125 | 128   | 131 | 135   | 136 | 134  |
| 115° | 237 | 239   | 240 | 240   | 239 | 234  |
| 125° | 346 | 349   | 350 | 348   | 348 | 310  |
| 135° | 450 | 453   | 453 | 453   | 451 | 346  |
| 145° | 545 | 547   | 548 | 548   | 547 | 340  |
| 155° | 623 | 623   | 624 | 626   | 623 | 287  |
| 165° | 678 | 676   | 677 | 679   | 676 | 191  |
| 175° | 704 | 702   | 702 | 706   | 702 | 67   |
| 180° | 706 | 706   | 706 | 706   | 706 |      |

TEST NUMBER: P1007866

CATALOG NUMBER: S125IP-B610UB2750-4F0-XX-W2A-1\_5000K

**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°    | 0.5   | 4.9   | 8.8   | 11.5  | 13.2  |
| 92.5°  | 16.5  | 19.2  | 24.2  | 28.0  | 29.1  |
| 95°    | 35.7  | 36.8  | 42.3  | 46.2  | 47.3  |
| 97.5°  | 55.0  | 55.5  | 63.2  | 66.5  | 67.0  |
| 100°   | 76.9  | 76.9  | 84.1  | 89.0  | 90.1  |
| 102.5° | 100.6 | 103.3 | 106.1 | 111.6 | 113.2 |
| 105°   | 125.3 | 128.0 | 131.3 | 134.6 | 136.3 |
| 107.5° | 152.2 | 155.0 | 157.7 | 159.4 | 159.4 |
| 110°   | 180.3 | 183.0 | 184.7 | 186.3 | 185.8 |

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CATALOG NUMBER: S125IP-B610UB2750-4F0-XX-W2A-1\_5000K

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|--------|-------|-------|-------|-------|-------|
| 112.5° | 208.8 | 209.9 | 212.1 | 212.7 | 211.6 |
| 115°   | 236.9 | 239.1 | 240.2 | 239.6 | 239.1 |
| 117.5° | 265.4 | 266.0 | 267.1 | 267.6 | 265.4 |
| 120°   | 291.8 | 294.6 | 295.1 | 295.1 | 292.9 |
| 122.5° | 320.4 | 320.9 | 322.6 | 322.0 | 320.4 |
| 125°   | 345.7 | 349.0 | 349.5 | 348.4 | 347.9 |
| 127.5° | 373.7 | 375.3 | 375.9 | 375.3 | 374.2 |
| 130°   | 398.4 | 401.2 | 402.3 | 401.7 | 400.6 |
| 132.5° | 423.2 | 428.1 | 427.6 | 427.0 | 425.4 |
| 135°   | 449.5 | 452.8 | 453.4 | 453.4 | 451.2 |
| 137.5° | 474.3 | 477.6 | 478.7 | 479.2 | 476.5 |
| 140°   | 497.9 | 500.6 | 502.3 | 503.4 | 500.6 |
| 142.5° | 521.5 | 523.7 | 525.9 | 526.5 | 523.7 |
| 145°   | 544.6 | 546.8 | 548.5 | 548.5 | 546.8 |
| 147.5° | 566.0 | 567.7 | 568.8 | 570.4 | 566.0 |
| 150°   | 587.5 | 586.9 | 589.1 | 589.1 | 588.0 |
| 152.5° | 605.1 | 606.2 | 606.7 | 608.4 | 606.2 |
| 155°   | 623.2 | 623.2 | 623.7 | 625.9 | 623.2 |
| 157.5° | 639.7 | 638.6 | 639.1 | 641.3 | 637.5 |
| 160°   | 654.0 | 652.3 | 652.9 | 655.1 | 652.3 |
| 162.5° | 666.6 | 665.5 | 665.5 | 668.3 | 665.0 |
| 165°   | 677.6 | 676.5 | 677.1 | 679.3 | 676.0 |
| 167.5° | 687.5 | 685.3 | 685.3 | 688.6 | 685.3 |
| 170°   | 695.2 | 693.0 | 693.0 | 696.3 | 692.4 |
| 172.5° | 700.7 | 698.5 | 698.5 | 701.8 | 698.5 |
| 175°   | 704.5 | 702.3 | 702.3 | 705.6 | 701.8 |
| 177.5° | 707.3 | 705.1 | 704.5 | 707.8 | 704.0 |
| 180°   | 706.2 | 706.2 | 706.2 | 706.2 | 706.2 |

(END OF REPORT)