

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: P1007367

Luminaire Tested: S122IP-B330UB30-4F0-XX-W2A-1

Issue Date: 5/5/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1007367  
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-B330UB30-4F0-XX-W2A-1  
Description: Define 2 Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}  
Light Source: -  
Ballast/Driver: -

**Summary**

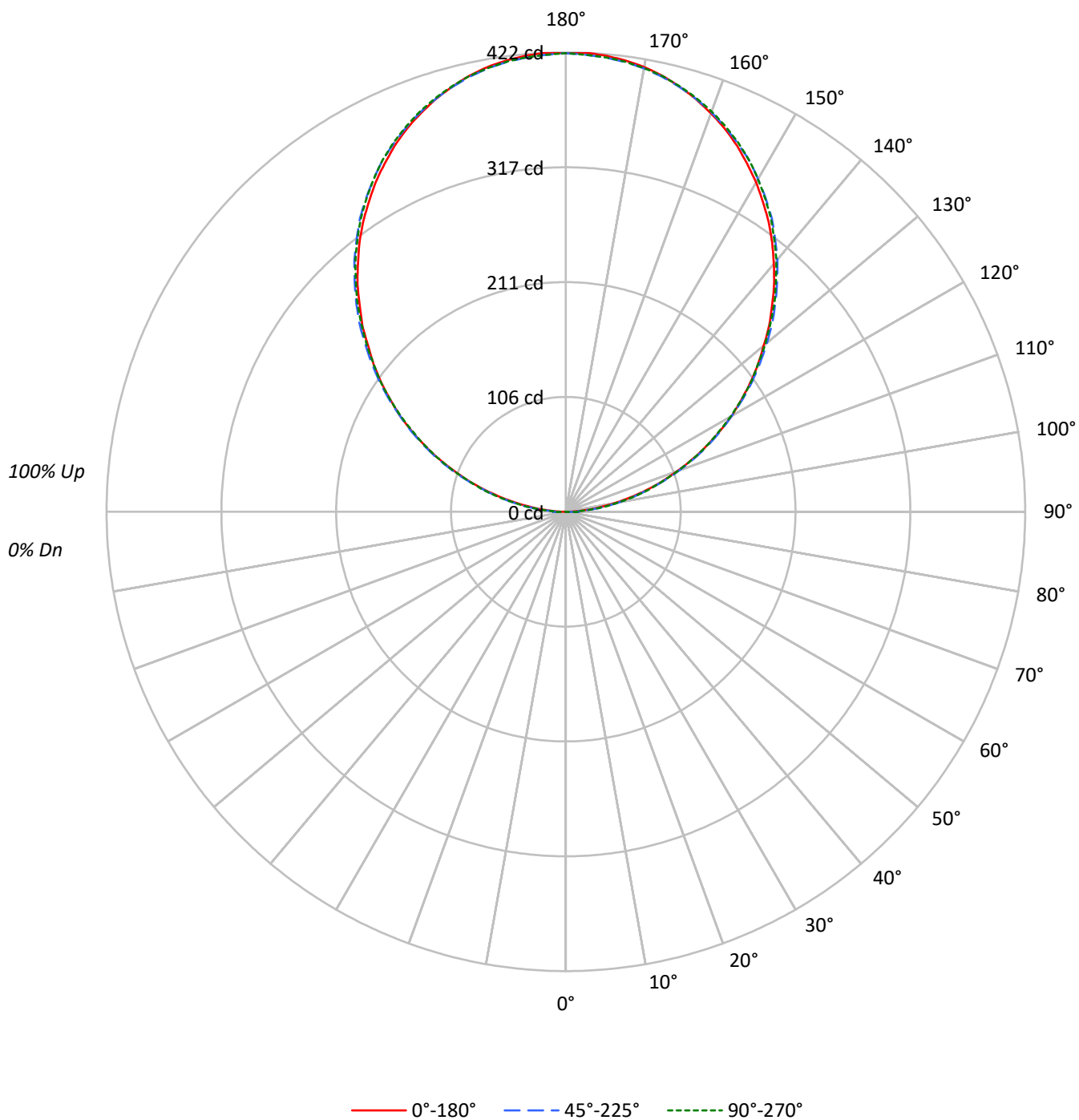
Lumens per Lamp: N/A  
Luminaire Lumens: 1179.0 lumens  
Efficiency: N/A  
Efficacy: 126.8 lumens/watt  
Spacing Criteria (0/90/45): - / - / -  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Indirect

Input Watts (W): 9.3  
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°   | 1.2    | 0.1       |
| 90°-100°  | 26.1   | 2.2       |
| 100°-110° | 82.8   | 7.0       |
| 110°-120° | 141.8  | 12.0      |
| 120°-130° | 186.4  | 15.8      |
| 130°-140° | 209.3  | 17.7      |
| 140°-150° | 205.2  | 17.4      |
| 150°-160° | 172.1  | 14.6      |
| 160°-170° | 114.2  | 9.7       |
| 170°-180° | 39.9   | 3.4       |
| 0°-30°    | 0.0    | 0.0       |
| 0°-40°    | 0.0    | 0.0       |
| 0°-60°    | 0.0    | 0.0       |
| 0°-90°    | 1.2    | 0.1       |
| 90°-120°  | 250.7  | 21.3      |
| 90°-150°  | 851.6  | 72.2      |
| 90°-180°  | 1178.0 | 99.9      |
| 0°-180°   | 1179.0 | 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     | 12  | 12    | 12  | 1    |
| 95°  | 18  | 22    | 23  | 23    | 22  | 21   |
| 105° | 76  | 78    | 78  | 79    | 79  | 81   |
| 115° | 142 | 144   | 144 | 143   | 142 | 141  |
| 125° | 207 | 210   | 209 | 208   | 208 | 185  |
| 135° | 268 | 272   | 272 | 272   | 271 | 207  |
| 145° | 325 | 327   | 330 | 330   | 328 | 203  |
| 155° | 372 | 373   | 374 | 375   | 374 | 171  |
| 165° | 404 | 404   | 404 | 406   | 405 | 114  |
| 175° | 421 | 420   | 419 | 421   | 419 | 40   |
| 180° | 421 | 421   | 421 | 421   | 421 |      |

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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°    | 0.4   | 4.6   | 12.4  | 11.7  | 12.1  |
| 92.5°  | 7.8   | 10.7  | 11.0  | 11.4  | 11.4  |
| 95°    | 18.5  | 22.0  | 22.8  | 22.8  | 22.0  |
| 97.5°  | 30.9  | 34.1  | 35.6  | 35.6  | 35.6  |
| 100°   | 45.1  | 48.0  | 49.1  | 49.1  | 48.7  |
| 102.5° | 60.1  | 62.2  | 63.6  | 64.0  | 63.6  |
| 105°   | 76.4  | 77.5  | 78.2  | 78.9  | 78.9  |
| 107.5° | 92.8  | 94.2  | 94.2  | 94.6  | 92.8  |
| 110°   | 108.4 | 110.6 | 110.6 | 110.6 | 109.5 |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|--------|-------|-------|-------|-------|-------|
| 112.5° | 125.5 | 127.6 | 127.3 | 126.2 | 125.5 |
| 115°   | 142.2 | 144.3 | 143.6 | 143.3 | 142.2 |
| 117.5° | 158.9 | 161.8 | 160.0 | 158.9 | 157.8 |
| 120°   | 175.6 | 178.5 | 175.6 | 175.6 | 174.6 |
| 122.5° | 190.9 | 194.5 | 192.7 | 191.6 | 190.9 |
| 125°   | 206.9 | 210.1 | 209.0 | 208.0 | 207.6 |
| 127.5° | 222.5 | 226.5 | 225.0 | 223.6 | 222.5 |
| 130°   | 237.1 | 241.7 | 241.0 | 240.3 | 238.9 |
| 132.5° | 253.5 | 257.0 | 257.4 | 255.6 | 254.5 |
| 135°   | 267.7 | 271.6 | 272.3 | 272.0 | 270.9 |
| 137.5° | 283.3 | 286.5 | 287.2 | 286.9 | 285.5 |
| 140°   | 297.2 | 300.4 | 302.2 | 302.2 | 300.8 |
| 142.5° | 311.4 | 314.6 | 315.7 | 316.0 | 314.6 |
| 145°   | 324.9 | 327.4 | 329.6 | 329.9 | 328.5 |
| 147.5° | 337.0 | 340.2 | 341.6 | 342.4 | 340.9 |
| 150°   | 349.5 | 351.6 | 353.0 | 354.1 | 353.0 |
| 152.5° | 360.5 | 362.6 | 364.4 | 365.8 | 364.4 |
| 155°   | 371.5 | 372.6 | 373.6 | 375.4 | 374.3 |
| 157.5° | 381.1 | 381.8 | 382.5 | 385.0 | 383.2 |
| 160°   | 389.6 | 390.3 | 390.7 | 392.8 | 391.4 |
| 162.5° | 397.5 | 397.5 | 397.8 | 400.3 | 398.5 |
| 165°   | 404.2 | 403.9 | 403.9 | 406.3 | 404.6 |
| 167.5° | 410.3 | 409.2 | 409.2 | 411.7 | 409.9 |
| 170°   | 414.9 | 413.8 | 413.5 | 415.9 | 413.8 |
| 172.5° | 418.1 | 417.0 | 416.7 | 419.1 | 417.0 |
| 175°   | 420.6 | 419.5 | 418.8 | 421.3 | 419.1 |
| 177.5° | 422.0 | 420.9 | 420.2 | 422.3 | 420.2 |
| 180°   | 421.3 | 421.3 | 421.3 | 421.3 | 421.3 |

(END OF REPORT)