

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: P1007817

Luminaire Tested: S125IP-B1270UB30-4F0-XX-W2A-1

Issue Date: 5/5/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1007817  
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-B1270UB30-4F0-XX-W2A-1  
Description: Define 5 Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}  
Light Source: -  
Ballast/Driver: -

**Summary**

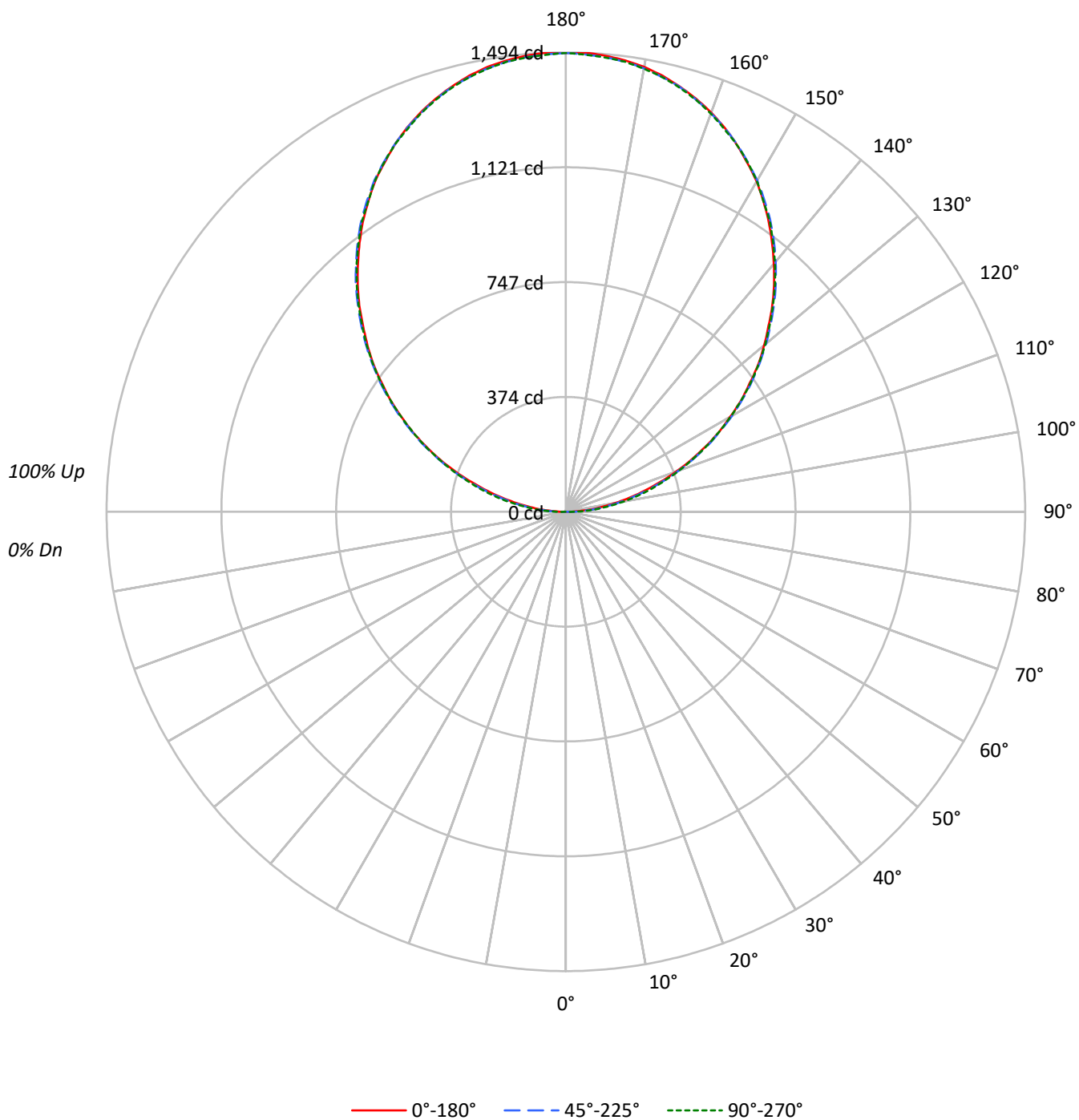
Lumens per Lamp: N/A  
Luminaire Lumens: 4167.0 lumens  
Efficiency: N/A  
Efficacy: 119.1 lumens/watt  
Spacing Criteria (0/90/45): - / - / -  
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')  
CIE Type: Indirect

Input Watts (W): 35  
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°   | 2.3    | 0.1       |
| 90°-100°  | 99.2   | 2.4       |
| 100°-110° | 294.8  | 7.1       |
| 110°-120° | 499.9  | 12.0      |
| 120°-130° | 658.2  | 15.8      |
| 130°-140° | 737.5  | 17.7      |
| 140°-150° | 722.9  | 17.3      |
| 150°-160° | 607.2  | 14.6      |
| 160°-170° | 403.6  | 9.7       |
| 170°-180° | 141.3  | 3.4       |
| 0°-30°    | 0.0    | 0.0       |
| 0°-40°    | 0.0    | 0.0       |
| 0°-60°    | 0.0    | 0.0       |
| 0°-90°    | 2.3    | 0.1       |
| 90°-120°  | 894.0  | 21.5      |
| 90°-150°  | 3012.5 | 72.3      |
| 90°-180°  | 4165.0 | 100.0     |
| 0°-180°   | 4167.0 | 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    | 19   | 24    | 28   | 5    |
| 95°  | 76   | 78    | 89   | 98    | 100  | 79   |
| 105° | 265  | 271   | 278  | 284   | 288  | 282  |
| 115° | 500  | 505   | 508  | 506   | 505  | 495  |
| 125° | 730  | 737   | 739  | 736   | 735  | 654  |
| 135° | 950  | 957   | 958  | 958   | 953  | 732  |
| 145° | 1151 | 1156  | 1159 | 1159  | 1156 | 719  |
| 155° | 1317 | 1317  | 1318 | 1323  | 1317 | 607  |
| 165° | 1432 | 1430  | 1431 | 1435  | 1428 | 404  |
| 175° | 1489 | 1484  | 1484 | 1491  | 1483 | 141  |
| 180° | 1492 | 1492  | 1492 | 1492  | 1492 |      |

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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°    | 1.2   | 10.5  | 18.6  | 24.4  | 27.9  |
| 92.5°  | 34.8  | 40.6  | 51.1  | 59.2  | 61.5  |
| 95°    | 75.5  | 77.8  | 89.4  | 97.5  | 99.9  |
| 97.5°  | 116.1 | 117.3 | 133.5 | 140.5 | 141.7 |
| 100°   | 162.6 | 162.6 | 177.7 | 188.1 | 190.4 |
| 102.5° | 212.5 | 218.3 | 224.1 | 235.7 | 239.2 |
| 105°   | 264.8 | 270.6 | 277.5 | 284.5 | 288.0 |
| 107.5° | 321.7 | 327.5 | 333.3 | 336.8 | 336.8 |
| 110°   | 380.9 | 386.7 | 390.2 | 393.7 | 392.5 |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 441.3  | 443.6  | 448.2  | 449.4  | 447.1  |
| 115°   | 500.5  | 505.1  | 507.5  | 506.3  | 505.1  |
| 117.5° | 560.9  | 562.1  | 564.4  | 565.5  | 560.9  |
| 120°   | 616.6  | 622.4  | 623.6  | 623.6  | 619.0  |
| 122.5° | 677.0  | 678.2  | 681.7  | 680.5  | 677.0  |
| 125°   | 730.4  | 737.4  | 738.6  | 736.2  | 735.1  |
| 127.5° | 789.7  | 793.1  | 794.3  | 793.1  | 790.8  |
| 130°   | 841.9  | 847.7  | 850.0  | 848.9  | 846.6  |
| 132.5° | 894.2  | 904.6  | 903.5  | 902.3  | 898.8  |
| 135°   | 949.9  | 956.9  | 958.0  | 958.0  | 953.4  |
| 137.5° | 1002.2 | 1009.1 | 1011.5 | 1012.6 | 1006.8 |
| 140°   | 1052.1 | 1057.9 | 1061.4 | 1063.7 | 1057.9 |
| 142.5° | 1102.0 | 1106.7 | 1111.3 | 1112.5 | 1106.7 |
| 145°   | 1150.8 | 1155.5 | 1158.9 | 1158.9 | 1155.5 |
| 147.5° | 1196.1 | 1199.6 | 1201.9 | 1205.4 | 1196.1 |
| 150°   | 1241.4 | 1240.2 | 1244.9 | 1244.9 | 1242.6 |
| 152.5° | 1278.6 | 1280.9 | 1282.0 | 1285.5 | 1280.9 |
| 155°   | 1316.9 | 1316.9 | 1318.0 | 1322.7 | 1316.9 |
| 157.5° | 1351.7 | 1349.4 | 1350.5 | 1355.2 | 1347.1 |
| 160°   | 1381.9 | 1378.4 | 1379.6 | 1384.2 | 1378.4 |
| 162.5° | 1408.6 | 1406.3 | 1406.3 | 1412.1 | 1405.1 |
| 165°   | 1431.8 | 1429.5 | 1430.7 | 1435.3 | 1428.4 |
| 167.5° | 1452.7 | 1448.1 | 1448.1 | 1455.1 | 1448.1 |
| 170°   | 1469.0 | 1464.4 | 1464.4 | 1471.3 | 1463.2 |
| 172.5° | 1480.6 | 1476.0 | 1476.0 | 1482.9 | 1476.0 |
| 175°   | 1488.7 | 1484.1 | 1484.1 | 1491.1 | 1482.9 |
| 177.5° | 1494.5 | 1489.9 | 1488.7 | 1495.7 | 1487.6 |
| 180°   | 1492.2 | 1492.2 | 1492.2 | 1492.2 | 1492.2 |

(END OF REPORT)