

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: P1007820

Luminaire Tested: S125IP-B1270UB35-4F0-XX-W2A-1

Issue Date: 5/5/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1007820  
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-B1270UB35-4F0-XX-W2A-1  
Description: Define 5 Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}  
Light Source: -  
Ballast/Driver: -

**Summary**

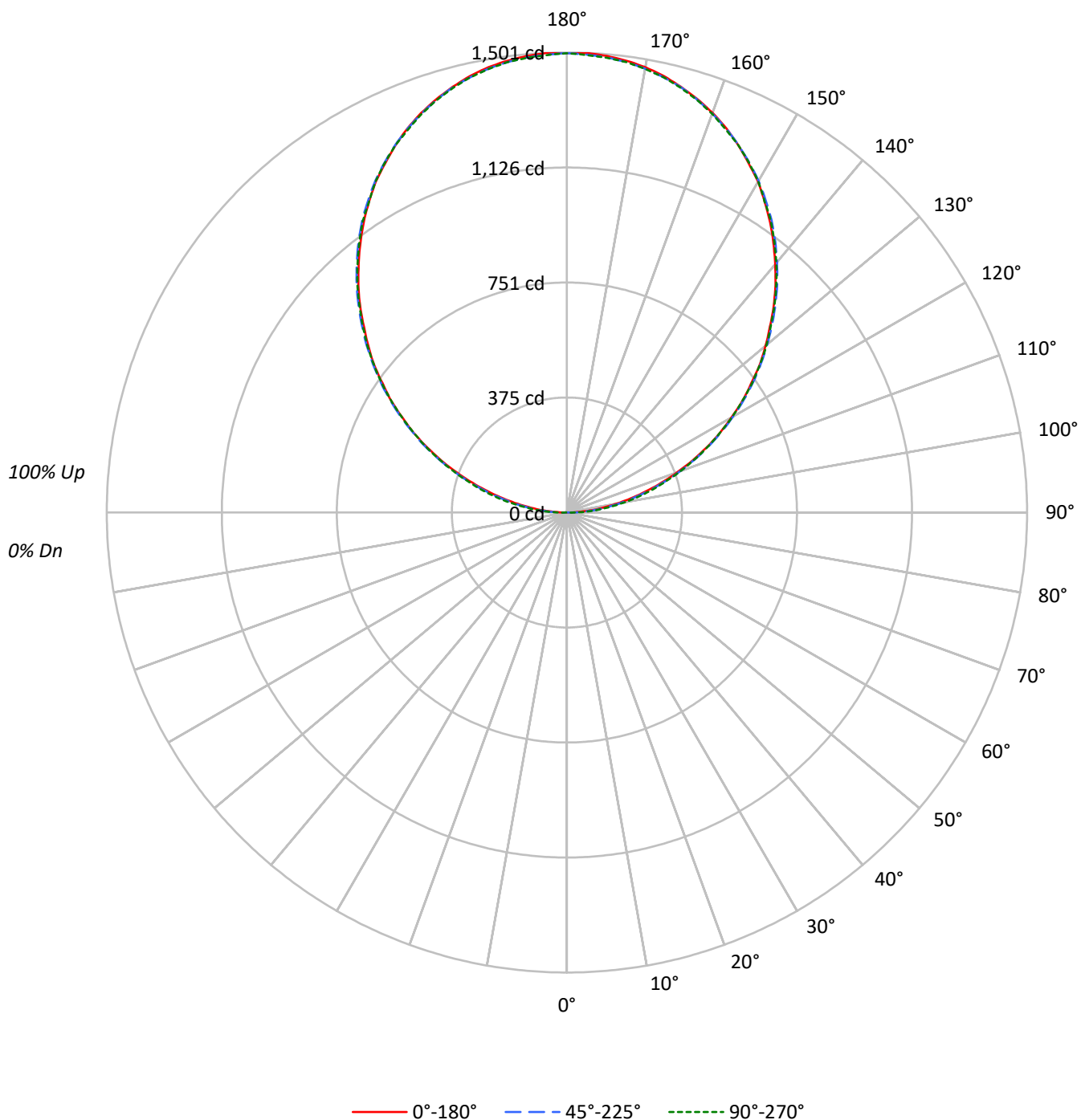
Lumens per Lamp: N/A  
Luminaire Lumens: 4185.0 lumens  
Efficiency: N/A  
Efficacy: 119.6 lumens/watt  
Spacing Criteria (0/90/45): - / - / -  
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')  
CIE Type: Indirect

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°  | 99.7   | 2.4       |
| 100°-110° | 296.1  | 7.1       |
| 110°-120° | 502.1  | 12.0      |
| 120°-130° | 661.0  | 15.8      |
| 130°-140° | 740.7  | 17.7      |
| 140°-150° | 726.0  | 17.3      |
| 150°-160° | 609.8  | 14.6      |
| 160°-170° | 405.4  | 9.7       |
| 170°-180° | 141.9  | 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°  | 897.8  | 21.5      |
| 90°-150°  | 3025.6 | 72.3      |
| 90°-180°  | 4183.0 | 100.0     |
| 0°-180°   | 4185.0 | 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    | 90   | 98    | 100  | 79   |
| 105° | 266  | 272   | 279  | 286   | 289  | 284  |
| 115° | 503  | 507   | 510  | 508   | 507  | 497  |
| 125° | 734  | 741   | 742  | 739   | 738  | 657  |
| 135° | 954  | 961   | 962  | 962   | 958  | 735  |
| 145° | 1156 | 1160  | 1164 | 1164  | 1160 | 723  |
| 155° | 1323 | 1323  | 1324 | 1328  | 1323 | 609  |
| 165° | 1438 | 1436  | 1437 | 1442  | 1434 | 406  |
| 175° | 1495 | 1490  | 1490 | 1498  | 1489 | 142  |
| 180° | 1499 | 1499  | 1499 | 1499  | 1499 |      |

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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  | 18.7  | 24.5  | 28.0  |
| 92.5°  | 35.0  | 40.8  | 51.3  | 59.5  | 61.8  |
| 95°    | 75.8  | 78.1  | 89.8  | 98.0  | 100.3 |
| 97.5°  | 116.6 | 117.8 | 134.1 | 141.1 | 142.3 |
| 100°   | 163.3 | 163.3 | 178.4 | 188.9 | 191.3 |
| 102.5° | 213.4 | 219.3 | 225.1 | 236.8 | 240.3 |
| 105°   | 265.9 | 271.7 | 278.7 | 285.7 | 289.2 |
| 107.5° | 323.1 | 328.9 | 334.7 | 338.2 | 338.2 |
| 110°   | 382.5 | 388.4 | 391.9 | 395.4 | 394.2 |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 443.2  | 445.5  | 450.2  | 451.4  | 449.0  |
| 115°   | 502.7  | 507.3  | 509.7  | 508.5  | 507.3  |
| 117.5° | 563.3  | 564.5  | 566.8  | 568.0  | 563.3  |
| 120°   | 619.3  | 625.1  | 626.3  | 626.3  | 621.6  |
| 122.5° | 679.9  | 681.1  | 684.6  | 683.4  | 679.9  |
| 125°   | 733.6  | 740.6  | 741.8  | 739.4  | 738.3  |
| 127.5° | 793.1  | 796.6  | 797.7  | 796.6  | 794.2  |
| 130°   | 845.6  | 851.4  | 853.7  | 852.6  | 850.2  |
| 132.5° | 898.0  | 908.5  | 907.4  | 906.2  | 902.7  |
| 135°   | 954.0  | 961.0  | 962.2  | 962.2  | 957.5  |
| 137.5° | 1006.5 | 1013.5 | 1015.8 | 1017.0 | 1011.2 |
| 140°   | 1056.6 | 1062.5 | 1066.0 | 1068.3 | 1062.5 |
| 142.5° | 1106.8 | 1111.5 | 1116.1 | 1117.3 | 1111.5 |
| 145°   | 1155.8 | 1160.4 | 1163.9 | 1163.9 | 1160.4 |
| 147.5° | 1201.3 | 1204.8 | 1207.1 | 1210.6 | 1201.3 |
| 150°   | 1246.8 | 1245.6 | 1250.3 | 1250.3 | 1247.9 |
| 152.5° | 1284.1 | 1286.4 | 1287.6 | 1291.1 | 1286.4 |
| 155°   | 1322.6 | 1322.6 | 1323.7 | 1328.4 | 1322.6 |
| 157.5° | 1357.6 | 1355.2 | 1356.4 | 1361.0 | 1352.9 |
| 160°   | 1387.9 | 1384.4 | 1385.5 | 1390.2 | 1384.4 |
| 162.5° | 1414.7 | 1412.4 | 1412.4 | 1418.2 | 1411.2 |
| 165°   | 1438.0 | 1435.7 | 1436.9 | 1441.5 | 1434.5 |
| 167.5° | 1459.0 | 1454.4 | 1454.4 | 1461.3 | 1454.4 |
| 170°   | 1475.3 | 1470.7 | 1470.7 | 1477.7 | 1469.5 |
| 172.5° | 1487.0 | 1482.3 | 1482.3 | 1489.3 | 1482.3 |
| 175°   | 1495.2 | 1490.5 | 1490.5 | 1497.5 | 1489.3 |
| 177.5° | 1501.0 | 1496.3 | 1495.2 | 1502.2 | 1494.0 |
| 180°   | 1498.7 | 1498.7 | 1498.7 | 1498.7 | 1498.7 |

(END OF REPORT)