

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: P1007826

Luminaire Tested: S125IP-B1270UB50-4F0-XX-W2A-1

Issue Date: 5/5/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1007826  
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-B1270UB50-4F0-XX-W2A-1  
Description: Define 5 Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}  
Light Source: -  
Ballast/Driver: -

**Summary**

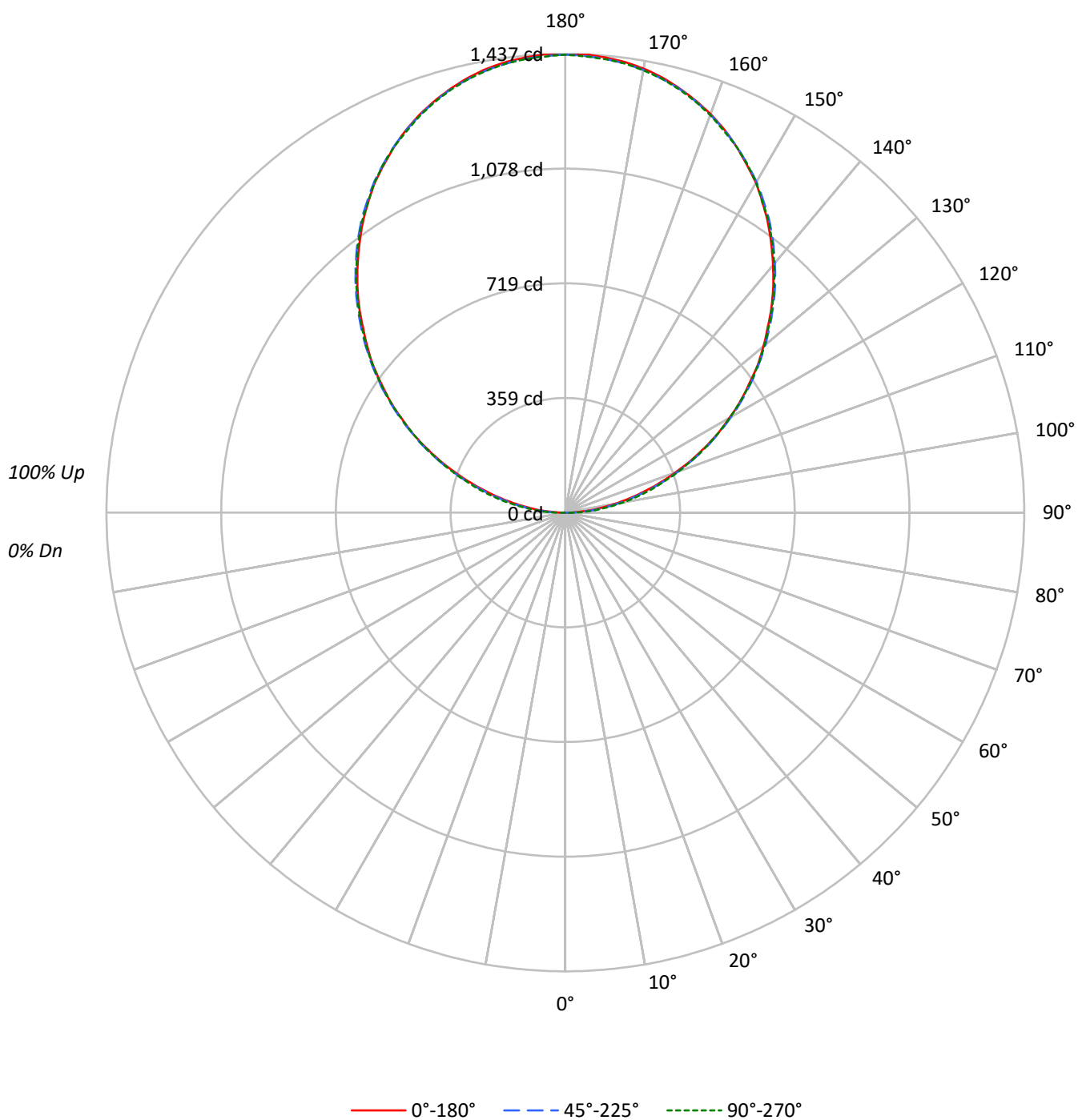
Lumens per Lamp: N/A  
Luminaire Lumens: 4007.0 lumens  
Efficiency: N/A  
Efficacy: 114.5 lumens/watt  
Spacing Criteria (0/90/45): - / - / -  
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')  
CIE Type: Indirect

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

TEST NUMBER: P1007826

CATALOG NUMBER: S125IP-B1270UB50-4F0-XX-W2A-1

### Luminous Intensity Polar Plot





TEST NUMBER: P1007826

CATALOG NUMBER: S125IP-B1270UB50-4F0-XX-W2A-1

**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: P1007826

CATALOG NUMBER: S125IP-B1270UB50-4F0-XX-W2A-1

**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°   | 2.2    | 0.1       |
| 90°-100°  | 95.4   | 2.4       |
| 100°-110° | 283.5  | 7.1       |
| 110°-120° | 480.8  | 12.0      |
| 120°-130° | 632.9  | 15.8      |
| 130°-140° | 709.2  | 17.7      |
| 140°-150° | 695.1  | 17.3      |
| 150°-160° | 583.9  | 14.6      |
| 160°-170° | 388.1  | 9.7       |
| 170°-180° | 135.8  | 3.4       |
| 0°-30°    | 0.0    | 0.0       |
| 0°-40°    | 0.0    | 0.0       |
| 0°-60°    | 0.0    | 0.0       |
| 0°-90°    | 2.2    | 0.1       |
| 90°-120°  | 859.7  | 21.5      |
| 90°-150°  | 2896.9 | 72.3      |
| 90°-180°  | 4005.0 | 99.9      |
| 0°-180°   | 4007.0 | 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    | 18   | 24    | 27   | 5    |
| 95°  | 73   | 75    | 86   | 94    | 96   | 76   |
| 105° | 255  | 260   | 267  | 274   | 277  | 271  |
| 115° | 481  | 486   | 488  | 487   | 486  | 476  |
| 125° | 702  | 709   | 710  | 708   | 707  | 629  |
| 135° | 913  | 920   | 921  | 921   | 917  | 704  |
| 145° | 1107 | 1111  | 1114 | 1114  | 1111 | 692  |
| 155° | 1266 | 1266  | 1267 | 1272  | 1266 | 583  |
| 165° | 1377 | 1375  | 1376 | 1380  | 1374 | 388  |
| 175° | 1432 | 1427  | 1427 | 1434  | 1426 | 136  |
| 180° | 1435 | 1435  | 1435 | 1435  | 1435 |      |

TEST NUMBER: P1007826

CATALOG NUMBER: S125IP-B1270UB50-4F0-XX-W2A-1

**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°    | 1.1   | 10.1  | 17.9  | 23.5  | 26.8  |
| 92.5°  | 33.5  | 39.1  | 49.1  | 57.0  | 59.2  |
| 95°    | 72.6  | 74.8  | 86.0  | 93.8  | 96.0  |
| 97.5°  | 111.7 | 112.8 | 128.4 | 135.1 | 136.2 |
| 100°   | 156.3 | 156.3 | 170.9 | 180.9 | 183.1 |
| 102.5° | 204.4 | 209.9 | 215.5 | 226.7 | 230.0 |
| 105°   | 254.6 | 260.2 | 266.9 | 273.6 | 276.9 |
| 107.5° | 309.3 | 314.9 | 320.5 | 323.8 | 323.8 |
| 110°   | 366.3 | 371.9 | 375.2 | 378.6 | 377.4 |

TEST NUMBER: P1007826

CATALOG NUMBER: S125IP-B1270UB50-4F0-XX-W2A-1

**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 424.3  | 426.6  | 431.0  | 432.2  | 429.9  |
| 115°   | 481.3  | 485.8  | 488.0  | 486.9  | 485.8  |
| 117.5° | 539.4  | 540.5  | 542.7  | 543.8  | 539.4  |
| 120°   | 593.0  | 598.5  | 599.7  | 599.7  | 595.2  |
| 122.5° | 651.0  | 652.1  | 655.5  | 654.4  | 651.0  |
| 125°   | 702.4  | 709.1  | 710.2  | 708.0  | 706.9  |
| 127.5° | 759.3  | 762.7  | 763.8  | 762.7  | 760.5  |
| 130°   | 809.6  | 815.2  | 817.4  | 816.3  | 814.1  |
| 132.5° | 859.8  | 869.9  | 868.8  | 867.7  | 864.3  |
| 135°   | 913.4  | 920.1  | 921.3  | 921.3  | 916.8  |
| 137.5° | 963.7  | 970.4  | 972.6  | 973.7  | 968.2  |
| 140°   | 1011.7 | 1017.3 | 1020.6 | 1022.9 | 1017.3 |
| 142.5° | 1059.7 | 1064.2 | 1068.7 | 1069.8 | 1064.2 |
| 145°   | 1106.6 | 1111.1 | 1114.4 | 1114.4 | 1111.1 |
| 147.5° | 1150.2 | 1153.5 | 1155.8 | 1159.1 | 1150.2 |
| 150°   | 1193.7 | 1192.6 | 1197.1 | 1197.1 | 1194.8 |
| 152.5° | 1229.5 | 1231.7 | 1232.8 | 1236.2 | 1231.7 |
| 155°   | 1266.3 | 1266.3 | 1267.4 | 1271.9 | 1266.3 |
| 157.5° | 1299.8 | 1297.6 | 1298.7 | 1303.2 | 1295.3 |
| 160°   | 1328.8 | 1325.5 | 1326.6 | 1331.1 | 1325.5 |
| 162.5° | 1354.5 | 1352.3 | 1352.3 | 1357.9 | 1351.2 |
| 165°   | 1376.9 | 1374.6 | 1375.7 | 1380.2 | 1373.5 |
| 167.5° | 1397.0 | 1392.5 | 1392.5 | 1399.2 | 1392.5 |
| 170°   | 1412.6 | 1408.1 | 1408.1 | 1414.8 | 1407.0 |
| 172.5° | 1423.8 | 1419.3 | 1419.3 | 1426.0 | 1419.3 |
| 175°   | 1431.6 | 1427.1 | 1427.1 | 1433.8 | 1426.0 |
| 177.5° | 1437.2 | 1432.7 | 1431.6 | 1438.3 | 1430.5 |
| 180°   | 1434.9 | 1434.9 | 1434.9 | 1434.9 | 1434.9 |

(END OF REPORT)