

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: P1007776

Luminaire Tested: S125IP-B1090UB2750-4F0-XX-W2A-1\_5000K

Issue Date: 5/5/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1007776  
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-B1090UB2750-4F0-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**

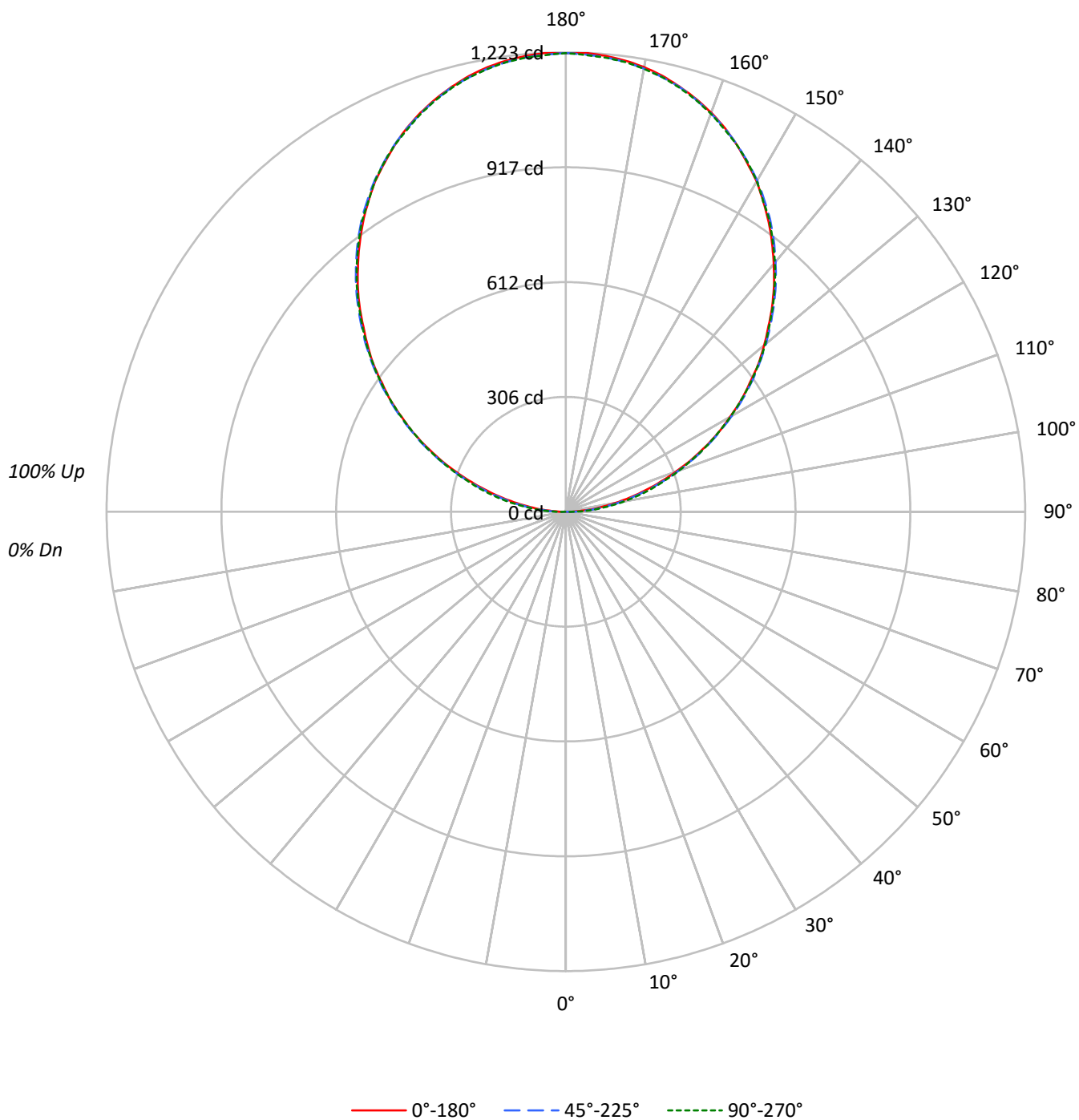
Lumens per Lamp: N/A  
Luminaire Lumens: 3410.0 lumens  
Efficiency: N/A  
Efficacy: 119.6 lumens/watt  
Spacing Criteria (0/90/45): - / - / -  
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')  
CIE Type: Indirect

Input Watts (W): 28.5  
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°   | 1.9    | 0.1       |
| 90°-100°  | 81.2   | 2.4       |
| 100°-110° | 241.2  | 7.1       |
| 110°-120° | 409.1  | 12.0      |
| 120°-130° | 538.6  | 15.8      |
| 130°-140° | 603.5  | 17.7      |
| 140°-150° | 591.6  | 17.3      |
| 150°-160° | 496.9  | 14.6      |
| 160°-170° | 330.3  | 9.7       |
| 170°-180° | 115.6  | 3.4       |
| 0°-30°    | 0.0    | 0.0       |
| 0°-40°    | 0.0    | 0.0       |
| 0°-60°    | 0.0    | 0.0       |
| 0°-90°    | 1.9    | 0.1       |
| 90°-120°  | 731.6  | 21.5      |
| 90°-150°  | 2465.3 | 72.3      |
| 90°-180°  | 3408.0 | 99.9      |
| 0°-180°   | 3410.0 | 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    | 9     | 15   | 20    | 23   | 4    |
| 95°  | 62   | 64    | 73   | 80    | 82   | 65   |
| 105° | 217  | 221   | 227  | 233   | 236  | 231  |
| 115° | 410  | 413   | 415  | 414   | 413  | 405  |
| 125° | 598  | 603   | 604  | 602   | 602  | 536  |
| 135° | 777  | 783   | 784  | 784   | 780  | 599  |
| 145° | 942  | 946   | 948  | 948   | 946  | 589  |
| 155° | 1078 | 1078  | 1079 | 1082  | 1078 | 496  |
| 165° | 1172 | 1170  | 1171 | 1175  | 1169 | 331  |
| 175° | 1218 | 1214  | 1214 | 1220  | 1214 | 116  |
| 180° | 1221 | 1221  | 1221 | 1221  | 1221 |      |

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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°    | 1.0   | 8.6   | 15.2  | 20.0  | 22.8  |
| 92.5°  | 28.5  | 33.3  | 41.8  | 48.5  | 50.4  |
| 95°    | 61.8  | 63.7  | 73.2  | 79.8  | 81.7  |
| 97.5°  | 95.0  | 96.0  | 109.3 | 115.0 | 115.9 |
| 100°   | 133.0 | 133.0 | 145.4 | 153.9 | 155.8 |
| 102.5° | 173.9 | 178.7 | 183.4 | 192.9 | 195.8 |
| 105°   | 216.7 | 221.4 | 227.1 | 232.8 | 235.7 |
| 107.5° | 263.2 | 268.0 | 272.7 | 275.6 | 275.6 |
| 110°   | 311.7 | 316.5 | 319.3 | 322.2 | 321.2 |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 361.1  | 363.0  | 366.8  | 367.8  | 365.9  |
| 115°   | 409.6  | 413.4  | 415.3  | 414.3  | 413.4  |
| 117.5° | 459.0  | 459.9  | 461.8  | 462.8  | 459.0  |
| 120°   | 504.6  | 509.4  | 510.3  | 510.3  | 506.5  |
| 122.5° | 554.0  | 555.0  | 557.8  | 556.9  | 554.0  |
| 125°   | 597.7  | 603.4  | 604.4  | 602.5  | 601.5  |
| 127.5° | 646.2  | 649.1  | 650.0  | 649.1  | 647.2  |
| 130°   | 689.0  | 693.7  | 695.6  | 694.7  | 692.8  |
| 132.5° | 731.7  | 740.3  | 739.3  | 738.4  | 735.5  |
| 135°   | 777.3  | 783.0  | 784.0  | 784.0  | 780.2  |
| 137.5° | 820.1  | 825.8  | 827.7  | 828.7  | 823.9  |
| 140°   | 861.0  | 865.7  | 868.6  | 870.5  | 865.7  |
| 142.5° | 901.8  | 905.6  | 909.4  | 910.4  | 905.6  |
| 145°   | 941.7  | 945.6  | 948.4  | 948.4  | 945.6  |
| 147.5° | 978.8  | 981.7  | 983.6  | 986.4  | 978.8  |
| 150°   | 1015.9 | 1014.9 | 1018.7 | 1018.7 | 1016.8 |
| 152.5° | 1046.3 | 1048.2 | 1049.1 | 1052.0 | 1048.2 |
| 155°   | 1077.6 | 1077.6 | 1078.6 | 1082.4 | 1077.6 |
| 157.5° | 1106.2 | 1104.3 | 1105.2 | 1109.0 | 1102.4 |
| 160°   | 1130.9 | 1128.0 | 1129.0 | 1132.8 | 1128.0 |
| 162.5° | 1152.7 | 1150.8 | 1150.8 | 1155.6 | 1149.9 |
| 165°   | 1171.7 | 1169.8 | 1170.8 | 1174.6 | 1168.9 |
| 167.5° | 1188.8 | 1185.0 | 1185.0 | 1190.7 | 1185.0 |
| 170°   | 1202.1 | 1198.3 | 1198.3 | 1204.0 | 1197.4 |
| 172.5° | 1211.6 | 1207.8 | 1207.8 | 1213.5 | 1207.8 |
| 175°   | 1218.3 | 1214.5 | 1214.5 | 1220.2 | 1213.5 |
| 177.5° | 1223.0 | 1219.2 | 1218.3 | 1224.0 | 1217.3 |
| 180°   | 1221.1 | 1221.1 | 1221.1 | 1221.1 | 1221.1 |

(END OF REPORT)