

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: P983450

Luminaire Tested: S125IW-B1340UB30-4F0-XX-W2A-1

Issue Date: 5/2/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P983450  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/2/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S125IW-B1340UB30-4F0-XX-W2A-1  
Description: Define 5 Indirect Wall Mount with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}  
Light Source: -  
Ballast/Driver: -

**Summary**

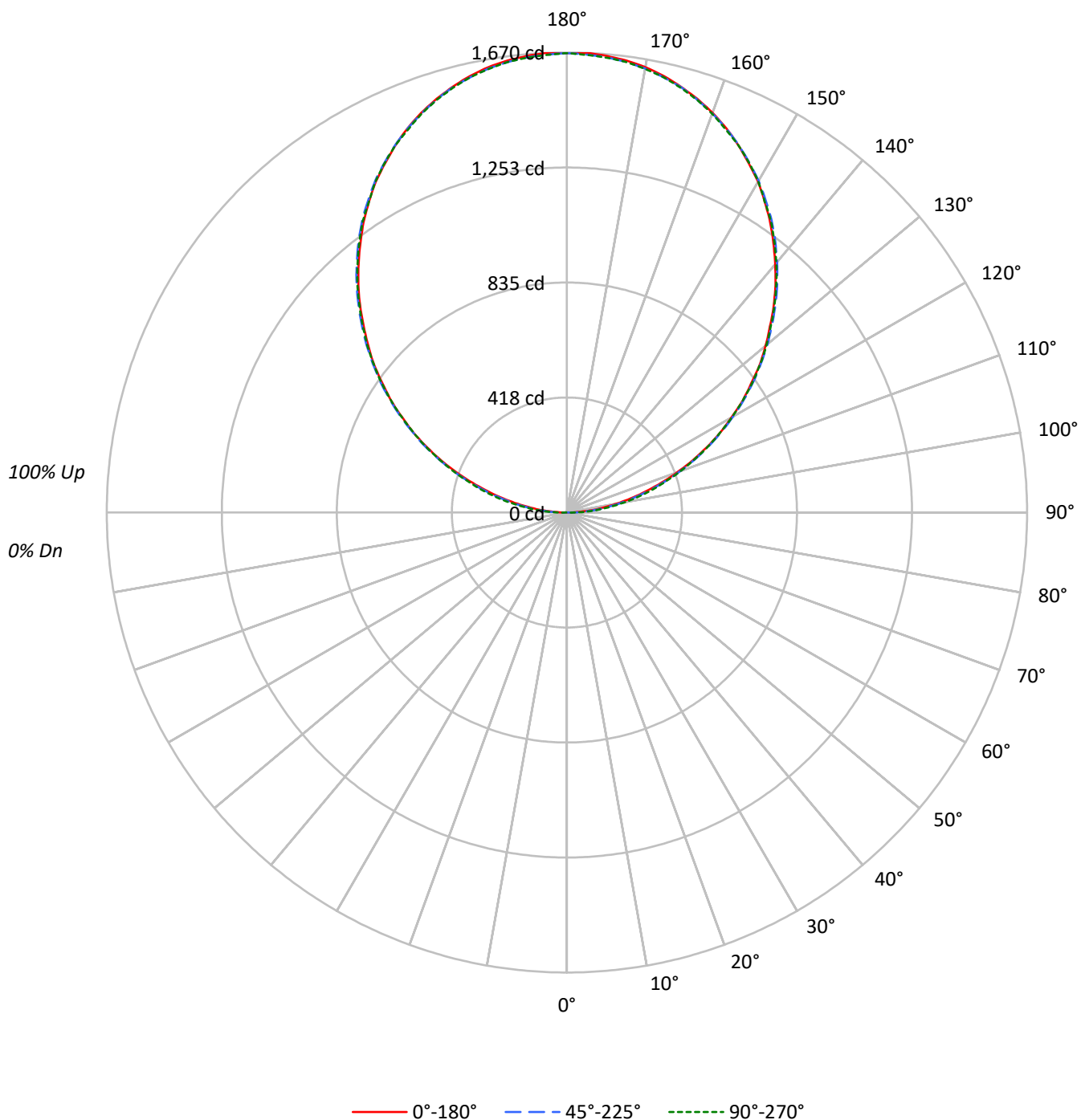
Lumens per Lamp: N/A  
Luminaire Lumens: 4657.0 lumens  
Efficiency: N/A  
Efficacy: 110.6 lumens/watt  
Spacing Criteria (0/90/45): - / - / -  
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')  
CIE Type: Indirect

Input Watts (W): 42.1  
Input Voltage (V):  
Input Current (A<sub>in</sub>): 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°   | 2.6    | 0.1       |
| 90°-100°  | 110.9  | 2.4       |
| 100°-110° | 329.5  | 7.1       |
| 110°-120° | 558.7  | 12.0      |
| 120°-130° | 735.5  | 15.8      |
| 130°-140° | 824.2  | 17.7      |
| 140°-150° | 807.9  | 17.3      |
| 150°-160° | 678.6  | 14.6      |
| 160°-170° | 451.1  | 9.7       |
| 170°-180° | 157.9  | 3.4       |
| 0°-30°    | 0.0    | 0.0       |
| 0°-40°    | 0.0    | 0.0       |
| 0°-60°    | 0.0    | 0.0       |
| 0°-90°    | 2.6    | 0.1       |
| 90°-120°  | 999.1  | 21.5      |
| 90°-150°  | 3366.8 | 72.3      |
| 90°-180°  | 4654.0 | 99.9      |
| 0°-180°   | 4657.0 | 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    | 12    | 21   | 27    | 31   | 6    |
| 95°  | 84   | 87    | 100  | 109   | 112  | 88   |
| 105° | 296  | 302   | 310  | 318   | 322  | 316  |
| 115° | 559  | 565   | 567  | 566   | 565  | 553  |
| 125° | 816  | 824   | 825  | 823   | 822  | 731  |
| 135° | 1062 | 1069  | 1071 | 1071  | 1066 | 818  |
| 145° | 1286 | 1291  | 1295 | 1295  | 1291 | 804  |
| 155° | 1472 | 1472  | 1473 | 1478  | 1472 | 678  |
| 165° | 1600 | 1598  | 1599 | 1604  | 1596 | 452  |
| 175° | 1664 | 1659  | 1659 | 1666  | 1657 | 158  |
| 180° | 1668 | 1668  | 1668 | 1668  | 1668 |      |

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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°    | 1.3   | 11.7  | 20.8  | 27.3  | 31.1  |
| 92.5°  | 38.9  | 45.4  | 57.1  | 66.2  | 68.8  |
| 95°    | 84.4  | 87.0  | 99.9  | 109.0 | 111.6 |
| 97.5°  | 129.8 | 131.1 | 149.2 | 157.0 | 158.3 |
| 100°   | 181.7 | 181.7 | 198.6 | 210.2 | 212.8 |
| 102.5° | 237.5 | 244.0 | 250.5 | 263.5 | 267.4 |
| 105°   | 295.9 | 302.4 | 310.2 | 318.0 | 321.9 |
| 107.5° | 359.5 | 366.0 | 372.5 | 376.4 | 376.4 |
| 110°   | 425.7 | 432.2 | 436.1 | 440.0 | 438.7 |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 493.2  | 495.8  | 501.0  | 502.3  | 499.7  |
| 115°   | 559.4  | 564.6  | 567.1  | 565.8  | 564.6  |
| 117.5° | 626.8  | 628.1  | 630.7  | 632.0  | 626.8  |
| 120°   | 689.1  | 695.6  | 696.9  | 696.9  | 691.7  |
| 122.5° | 756.6  | 757.9  | 761.8  | 760.5  | 756.6  |
| 125°   | 816.3  | 824.1  | 825.4  | 822.8  | 821.5  |
| 127.5° | 882.5  | 886.4  | 887.7  | 886.4  | 883.8  |
| 130°   | 940.9  | 947.4  | 950.0  | 948.7  | 946.1  |
| 132.5° | 999.3  | 1011.0 | 1009.7 | 1008.4 | 1004.5 |
| 135°   | 1061.6 | 1069.4 | 1070.7 | 1070.7 | 1065.5 |
| 137.5° | 1120.0 | 1127.8 | 1130.4 | 1131.7 | 1125.2 |
| 140°   | 1175.8 | 1182.3 | 1186.2 | 1188.8 | 1182.3 |
| 142.5° | 1231.6 | 1236.8 | 1242.0 | 1243.3 | 1236.8 |
| 145°   | 1286.1 | 1291.3 | 1295.2 | 1295.2 | 1291.3 |
| 147.5° | 1336.8 | 1340.6 | 1343.2 | 1347.1 | 1336.8 |
| 150°   | 1387.4 | 1386.1 | 1391.3 | 1391.3 | 1388.7 |
| 152.5° | 1428.9 | 1431.5 | 1432.8 | 1436.7 | 1431.5 |
| 155°   | 1471.7 | 1471.7 | 1473.0 | 1478.2 | 1471.7 |
| 157.5° | 1510.7 | 1508.1 | 1509.4 | 1514.6 | 1505.5 |
| 160°   | 1544.4 | 1540.5 | 1541.8 | 1547.0 | 1540.5 |
| 162.5° | 1574.3 | 1571.7 | 1571.7 | 1578.1 | 1570.4 |
| 165°   | 1600.2 | 1597.6 | 1598.9 | 1604.1 | 1596.3 |
| 167.5° | 1623.6 | 1618.4 | 1618.4 | 1626.2 | 1618.4 |
| 170°   | 1641.7 | 1636.5 | 1636.5 | 1644.3 | 1635.3 |
| 172.5° | 1654.7 | 1649.5 | 1649.5 | 1657.3 | 1649.5 |
| 175°   | 1663.8 | 1658.6 | 1658.6 | 1666.4 | 1657.3 |
| 177.5° | 1670.3 | 1665.1 | 1663.8 | 1671.6 | 1662.5 |
| 180°   | 1667.7 | 1667.7 | 1667.7 | 1667.7 | 1667.7 |

(END OF REPORT)