

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: P1007687

Luminaire Tested: S124IP-B365UB2750-4F0-XX-W2A-4\_2700K

Issue Date: 5/5/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1007687  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/5/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S124IP-B365UB2750-4F0-XX-W2A-4\_2700K  
Description: Define 4 Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}  
Light Source: -  
Ballast/Driver: -

**Summary**

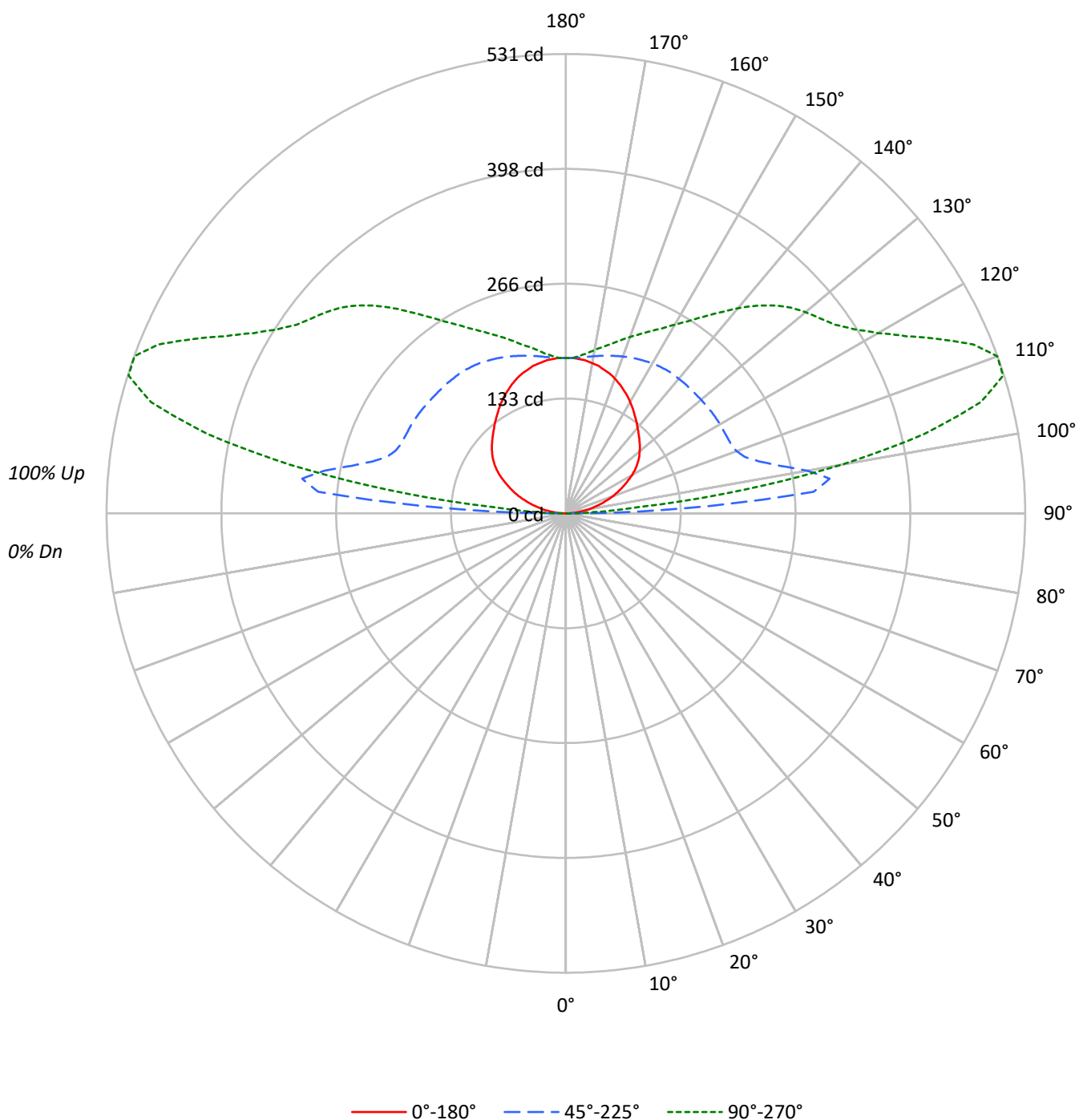
Lumens per Lamp: N/A  
Luminaire Lumens: 1308.0 lumens  
Efficiency: N/A  
Efficacy: 140.6 lumens/watt  
Spacing Criteria (0/90/45): - / - / -  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Indirect

Input Watts (W): 9.3  
Input Voltage (V): 120  
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°   | 0.7    | 0.1       |
| 90°-100°  | 130.1  | 9.9       |
| 100°-110° | 271.6  | 20.8      |
| 110°-120° | 241.4  | 18.5      |
| 120°-130° | 203.2  | 15.5      |
| 130°-140° | 169.6  | 13.0      |
| 140°-150° | 129.5  | 9.9       |
| 150°-160° | 91.0   | 7.0       |
| 160°-170° | 53.5   | 4.1       |
| 170°-180° | 17.4   | 1.3       |
| 0°-30°    | 0.0    | 0.0       |
| 0°-40°    | 0.0    | 0.0       |
| 0°-60°    | 0.0    | 0.0       |
| 0°-90°    | 0.7    | 0.1       |
| 90°-120°  | 643.1  | 49.2      |
| 90°-150°  | 1145.4 | 87.6      |
| 90°-180°  | 1307.0 | 99.9      |
| 0°-180°   | 1308.0 | 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°  | 0   | 3     | 6   | 7     | 7   | 1    |
| 95°  | 12  | 37    | 287 | 142   | 86  | 13   |
| 105° | 41  | 60    | 231 | 498   | 496 | 44   |
| 115° | 73  | 91    | 206 | 396   | 476 | 72   |
| 125° | 101 | 120   | 205 | 337   | 380 | 90   |
| 135° | 120 | 143   | 204 | 299   | 340 | 93   |
| 145° | 139 | 159   | 202 | 252   | 278 | 87   |
| 155° | 158 | 170   | 197 | 223   | 232 | 73   |
| 165° | 172 | 177   | 189 | 200   | 203 | 49   |
| 175° | 179 | 180   | 181 | 183   | 183 | 17   |
| 180° | 180 | 180   | 180 | 180   | 180 |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°   | 5°   | 10°  | 15°  | 20°  | 25°  | 30°  | 35°   | 40°   | 45°   | 50°   |
|--------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| 0°     | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 2.5°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 5°     | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 7.5°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 10°    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 12.5°  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 15°    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 17.5°  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 20°    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 22.5°  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 25°    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 27.5°  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 30°    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 32.5°  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 35°    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 37.5°  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 40°    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 42.5°  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 45°    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 47.5°  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 50°    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 52.5°  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 55°    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 57.5°  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 60°    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 62.5°  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 65°    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 67.5°  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 70°    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 72.5°  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 75°    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 77.5°  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 80°    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 82.5°  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 85°    | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 87.5°  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 90°    | 0.4  | 1.1  | 2.1  | 2.5  | 2.8  | 2.8  | 4.9  | 4.9   | 5.6   | 6.3   | 6.0   |
| 92.5°  | 4.9  | 7.1  | 10.9 | 16.2 | 22.6 | 31.7 | 53.6 | 87.8  | 121.0 | 138.2 | 115.0 |
| 95°    | 11.6 | 12.7 | 16.2 | 20.8 | 29.3 | 44.1 | 74.8 | 132.6 | 216.9 | 287.4 | 295.5 |
| 97.5°  | 19.4 | 19.4 | 22.6 | 26.8 | 34.2 | 46.9 | 71.2 | 121.0 | 207.7 | 307.5 | 370.6 |
| 100°   | 26.8 | 26.8 | 29.3 | 33.5 | 40.2 | 51.5 | 72.3 | 112.1 | 184.1 | 283.5 | 373.8 |
| 102.5° | 33.9 | 34.6 | 36.7 | 40.6 | 46.9 | 57.5 | 75.8 | 109.7 | 168.2 | 253.5 | 347.3 |
| 105°   | 41.3 | 42.3 | 44.1 | 48.3 | 54.7 | 64.9 | 81.8 | 111.1 | 160.5 | 231.3 | 314.2 |
| 107.5° | 49.4 | 50.1 | 51.8 | 56.4 | 62.4 | 72.6 | 88.2 | 115.3 | 158.3 | 216.9 | 287.0 |
| 110°   | 57.5 | 58.2 | 59.9 | 64.2 | 70.5 | 80.0 | 95.6 | 120.2 | 159.0 | 210.2 | 267.7 |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 65.2  | 65.9  | 68.1  | 71.9  | 78.3  | 87.8  | 102.6 | 125.5 | 161.2 | 207.0 | 256.7 |
| 115°   | 72.6  | 73.7  | 76.2  | 79.7  | 86.4  | 95.9  | 110.0 | 131.2 | 164.0 | 206.3 | 250.7 |
| 117.5° | 80.4  | 81.5  | 83.6  | 87.5  | 93.8  | 103.7 | 117.1 | 136.8 | 166.8 | 205.9 | 247.6 |
| 120°   | 88.2  | 88.9  | 91.3  | 95.2  | 101.2 | 111.1 | 124.5 | 142.8 | 170.0 | 205.9 | 245.1 |
| 122.5° | 95.2  | 95.9  | 98.4  | 101.9 | 108.6 | 118.1 | 131.5 | 148.5 | 173.1 | 205.6 | 242.3 |
| 125°   | 101.2 | 102.6 | 104.7 | 108.6 | 115.3 | 125.2 | 137.9 | 154.1 | 176.3 | 205.2 | 239.1 |
| 127.5° | 106.8 | 107.9 | 110.4 | 114.6 | 121.7 | 131.5 | 143.9 | 159.0 | 178.8 | 204.5 | 234.9 |
| 130°   | 111.4 | 112.8 | 115.7 | 121.0 | 127.7 | 137.9 | 149.9 | 163.6 | 181.6 | 204.2 | 231.0 |
| 132.5° | 116.0 | 117.1 | 121.0 | 125.9 | 133.3 | 142.8 | 154.8 | 168.2 | 184.1 | 203.8 | 227.5 |
| 135°   | 120.2 | 121.7 | 125.2 | 131.2 | 138.6 | 147.8 | 159.4 | 172.1 | 186.5 | 203.5 | 223.9 |
| 137.5° | 124.5 | 125.9 | 129.8 | 135.4 | 143.2 | 152.0 | 162.9 | 174.9 | 188.0 | 203.5 | 220.8 |
| 140°   | 129.1 | 130.1 | 134.0 | 140.0 | 147.4 | 155.9 | 166.4 | 177.7 | 189.7 | 203.1 | 218.3 |
| 142.5° | 134.0 | 135.1 | 138.6 | 144.2 | 151.3 | 159.4 | 169.6 | 179.8 | 191.1 | 203.1 | 216.2 |
| 145°   | 138.6 | 139.6 | 143.2 | 148.1 | 154.8 | 162.6 | 171.7 | 181.3 | 191.5 | 202.4 | 213.7 |
| 147.5° | 143.9 | 144.2 | 147.4 | 152.7 | 158.3 | 165.4 | 174.2 | 182.7 | 191.8 | 201.4 | 211.6 |
| 150°   | 148.8 | 149.2 | 152.0 | 156.2 | 161.5 | 168.2 | 176.0 | 183.7 | 191.8 | 200.3 | 209.1 |
| 152.5° | 153.4 | 153.4 | 156.2 | 160.1 | 164.7 | 170.7 | 177.4 | 184.4 | 191.1 | 198.5 | 206.3 |
| 155°   | 157.6 | 158.0 | 160.1 | 163.6 | 167.5 | 172.8 | 178.8 | 184.8 | 190.4 | 196.8 | 203.5 |
| 157.5° | 161.9 | 161.9 | 164.0 | 166.8 | 170.3 | 174.6 | 179.8 | 184.8 | 189.7 | 195.0 | 200.7 |
| 160°   | 165.7 | 165.7 | 167.2 | 169.6 | 172.4 | 176.3 | 180.6 | 184.8 | 188.7 | 192.9 | 197.5 |
| 162.5° | 169.3 | 168.9 | 170.0 | 172.1 | 174.6 | 177.4 | 181.3 | 184.8 | 187.6 | 190.8 | 194.7 |
| 165°   | 171.7 | 171.7 | 172.4 | 174.2 | 176.0 | 178.1 | 181.3 | 184.1 | 186.2 | 188.7 | 191.5 |
| 167.5° | 174.6 | 174.2 | 174.6 | 176.0 | 177.0 | 178.8 | 181.3 | 183.4 | 184.8 | 186.5 | 188.7 |
| 170°   | 176.3 | 176.0 | 176.3 | 177.4 | 178.1 | 179.1 | 180.9 | 182.7 | 183.4 | 184.4 | 185.8 |
| 172.5° | 178.1 | 177.7 | 177.7 | 178.4 | 178.8 | 179.5 | 180.6 | 182.0 | 182.0 | 182.3 | 183.4 |
| 175°   | 179.1 | 178.8 | 178.8 | 179.1 | 179.5 | 179.5 | 180.2 | 181.3 | 180.9 | 180.9 | 181.6 |
| 177.5° | 179.8 | 179.5 | 179.1 | 179.5 | 179.5 | 179.5 | 179.8 | 180.6 | 179.8 | 179.8 | 180.2 |
| 180°   | 179.5 | 179.5 | 179.5 | 179.5 | 179.5 | 179.5 | 179.5 | 179.5 | 179.5 | 179.5 | 179.5 |

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**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 2.5°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 5°     | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 7.5°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 10°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 12.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 15°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 17.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 20°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 22.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 25°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 27.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 30°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 32.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 35°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 37.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 40°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 42.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 45°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 47.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 50°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 52.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 55°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 57.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 60°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 62.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 65°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 67.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 70°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 72.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 75°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 77.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 80°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 82.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 85°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 87.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 90°    | 6.3   | 6.7   | 7.1   | 7.1   | 7.4   | 7.8   | 7.4   | 7.4   |
| 92.5°  | 85.0  | 63.5  | 50.1  | 41.3  | 36.0  | 33.5  | 32.1  | 32.1  |
| 95°    | 261.3 | 206.6 | 159.4 | 125.2 | 107.9 | 97.0  | 90.6  | 86.0  |
| 97.5°  | 376.3 | 349.1 | 310.3 | 270.8 | 246.8 | 225.7 | 215.1 | 206.6 |
| 100°   | 425.3 | 432.3 | 415.1 | 389.0 | 358.3 | 336.8 | 326.2 | 323.4 |
| 102.5° | 422.8 | 464.8 | 475.4 | 468.3 | 452.4 | 438.3 | 427.0 | 424.9 |
| 105°   | 395.0 | 456.0 | 490.9 | 505.3 | 506.0 | 503.2 | 498.3 | 496.2 |
| 107.5° | 360.7 | 426.7 | 475.4 | 505.0 | 520.5 | 526.8 | 529.7 | 530.0 |
| 110°   | 330.4 | 391.4 | 442.6 | 481.4 | 506.4 | 521.2 | 527.5 | 530.7 |

TEST NUMBER: P1007687

CATALOG NUMBER: S124IP-B365UB2750-4F0-XX-W2A-4\_2700K

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 308.2 | 360.4 | 408.0 | 446.8 | 476.1 | 494.8 | 504.3 | 509.9 |
| 115°   | 294.8 | 338.2 | 379.4 | 413.3 | 441.2 | 462.3 | 473.6 | 476.4 |
| 117.5° | 287.0 | 323.7 | 357.2 | 386.8 | 411.5 | 429.9 | 441.9 | 443.6 |
| 120°   | 282.1 | 314.9 | 343.1 | 368.2 | 388.3 | 403.8 | 412.9 | 416.8 |
| 122.5° | 277.9 | 309.3 | 334.3 | 355.5 | 371.7 | 384.4 | 391.8 | 395.7 |
| 125°   | 272.9 | 303.3 | 327.6 | 347.0 | 361.1 | 371.3 | 378.0 | 380.1 |
| 127.5° | 267.3 | 296.6 | 320.9 | 339.2 | 353.3 | 362.5 | 368.2 | 370.3 |
| 130°   | 260.2 | 288.1 | 312.1 | 330.8 | 345.2 | 354.0 | 359.7 | 361.8 |
| 132.5° | 252.8 | 278.6 | 301.9 | 320.5 | 334.7 | 344.9 | 350.2 | 352.3 |
| 135°   | 246.1 | 269.1 | 290.6 | 308.2 | 322.3 | 332.2 | 337.8 | 339.9 |
| 137.5° | 239.8 | 259.9 | 278.6 | 294.8 | 308.2 | 318.4 | 323.0 | 325.5 |
| 140°   | 234.5 | 251.1 | 266.9 | 281.8 | 294.1 | 301.9 | 306.8 | 309.6 |
| 142.5° | 229.6 | 243.7 | 256.7 | 269.1 | 279.6 | 286.7 | 290.9 | 292.7 |
| 145°   | 225.0 | 237.0 | 247.6 | 257.4 | 266.2 | 272.2 | 275.8 | 277.5 |
| 147.5° | 221.1 | 231.0 | 239.8 | 247.9 | 254.6 | 259.9 | 262.7 | 263.4 |
| 150°   | 217.6 | 225.7 | 232.7 | 239.1 | 244.7 | 249.3 | 251.4 | 251.8 |
| 152.5° | 213.7 | 220.4 | 226.7 | 231.7 | 236.3 | 239.8 | 240.9 | 241.2 |
| 155°   | 209.8 | 215.5 | 220.8 | 225.0 | 228.5 | 231.3 | 232.4 | 232.4 |
| 157.5° | 205.6 | 210.5 | 215.1 | 218.6 | 221.5 | 223.6 | 224.3 | 224.3 |
| 160°   | 201.7 | 205.6 | 209.5 | 212.3 | 214.4 | 216.5 | 216.9 | 216.9 |
| 162.5° | 197.8 | 201.0 | 203.8 | 206.3 | 207.7 | 209.8 | 210.2 | 209.8 |
| 165°   | 194.3 | 196.4 | 198.9 | 200.7 | 202.1 | 203.5 | 203.1 | 202.8 |
| 167.5° | 190.8 | 192.5 | 194.7 | 195.7 | 196.4 | 197.5 | 197.5 | 197.1 |
| 170°   | 187.6 | 188.7 | 190.1 | 191.1 | 191.8 | 192.2 | 191.8 | 191.8 |
| 172.5° | 184.8 | 185.5 | 186.2 | 186.9 | 187.3 | 187.6 | 187.3 | 186.5 |
| 175°   | 182.3 | 182.7 | 183.4 | 183.4 | 183.4 | 184.1 | 183.4 | 182.7 |
| 177.5° | 180.6 | 180.9 | 180.9 | 181.3 | 180.9 | 181.3 | 180.6 | 179.8 |
| 180°   | 179.5 | 179.5 | 179.5 | 179.5 | 179.5 | 179.5 | 179.5 | 179.5 |

(END OF REPORT)