

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P226260

Luminaire Tested: **IST-AF-XXX-LED-E1-T2-7030-XXB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P226260  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35937)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: IST-AF-XXX-LED-E1-T2-7030-XXB  
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE, EMERGENCY MODE WITH BATTERY  
BACKPACK BOX  
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II  
Light Source: (16) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 588.1 lumens  
Efficiency: N/A  
Efficacy: 45.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium - Cutoff  
BUG Rating: B0 - U1 - G0

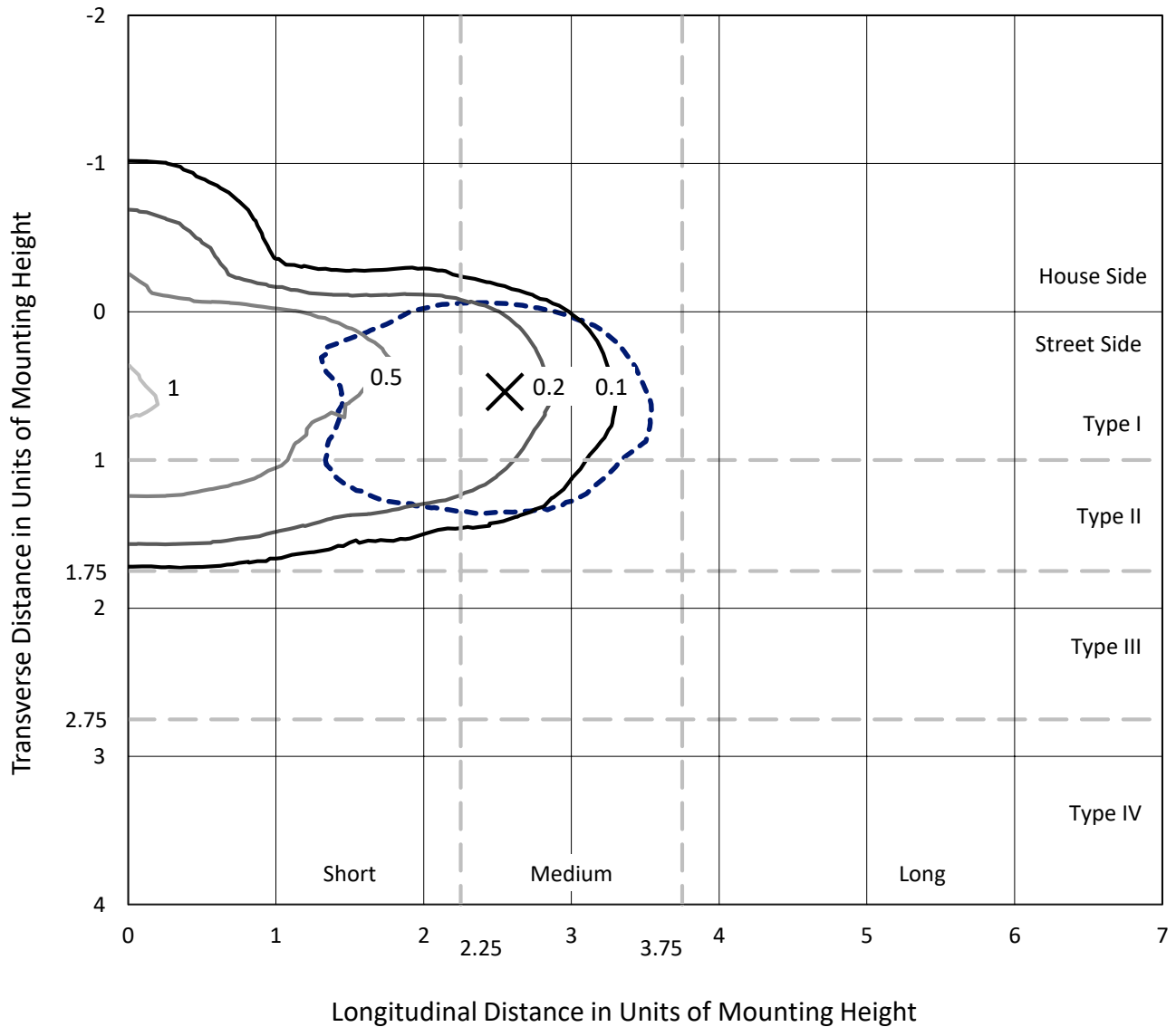
Input Watts (W): 13  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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 CATALOG NUMBER: IST-AF-XXX-LED-E1-T2-7030-XXB

### Iso-Footcandle Lines of Horizontal Illumination

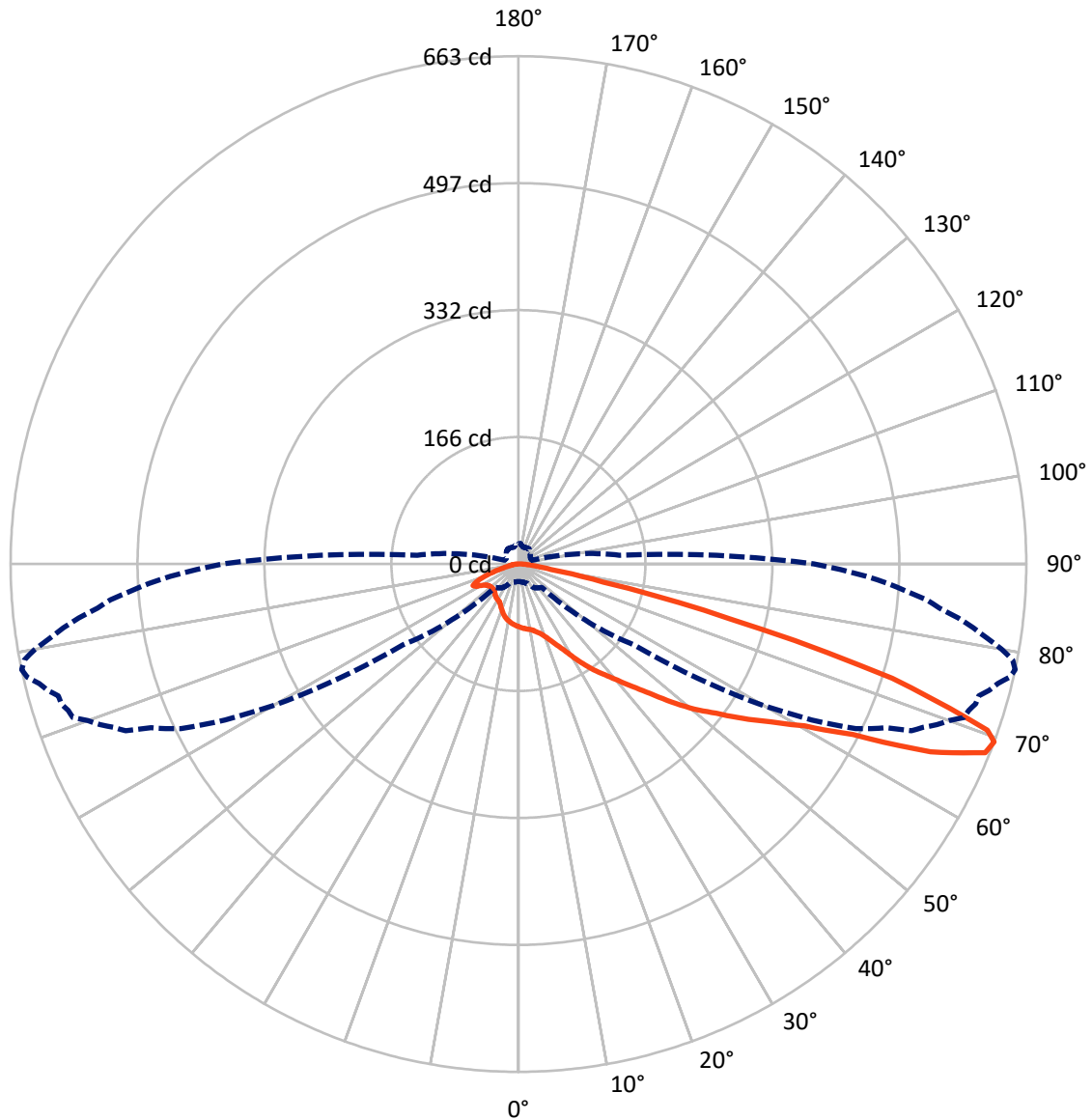
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1 fc  
 Type II - Medium - Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical

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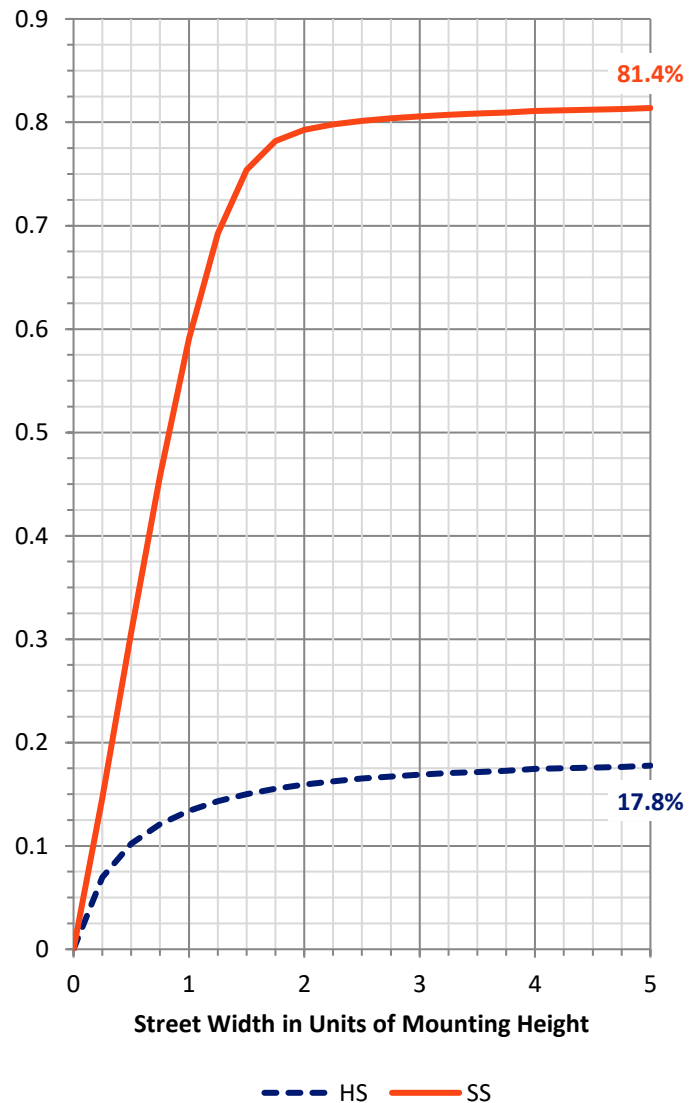
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total |
|--------------------|-----------|----------|--------|-------|
| <b>House Side</b>  | Lumens    | 107.5    | 0.2    | 107.7 |
|                    | % Fixture | 18.3     | 0.0    | 18.3  |
| <b>Street Side</b> | Lumens    | 480.3    | 0.1    | 480.4 |
|                    | % Fixture | 81.7     | 0.0    | 81.7  |
| <b>Total</b>       | Lumens    | 587.8    | 0.3    | 588.1 |
|                    | % Fixture | 99.9     | 0.1    | 100.0 |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 7.6    | 1.3       |
| 10°-20°   | 22.9   | 3.9       |
| 20°-30°   | 41.1   | 7.0       |
| 30°-40°   | 67.1   | 11.4      |
| 40°-50°   | 99.3   | 16.9      |
| 50°-60°   | 129.6  | 22.0      |
| 60°-70°   | 145.0  | 24.6      |
| 70°-80°   | 65.1   | 11.1      |
| 80°-90°   | 10.2   | 1.7       |
| 90°-100°  | 0.3    | 0.1       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 587.8  | 99.9      |
| 0°-180°   | 588.1  | 100.0     |



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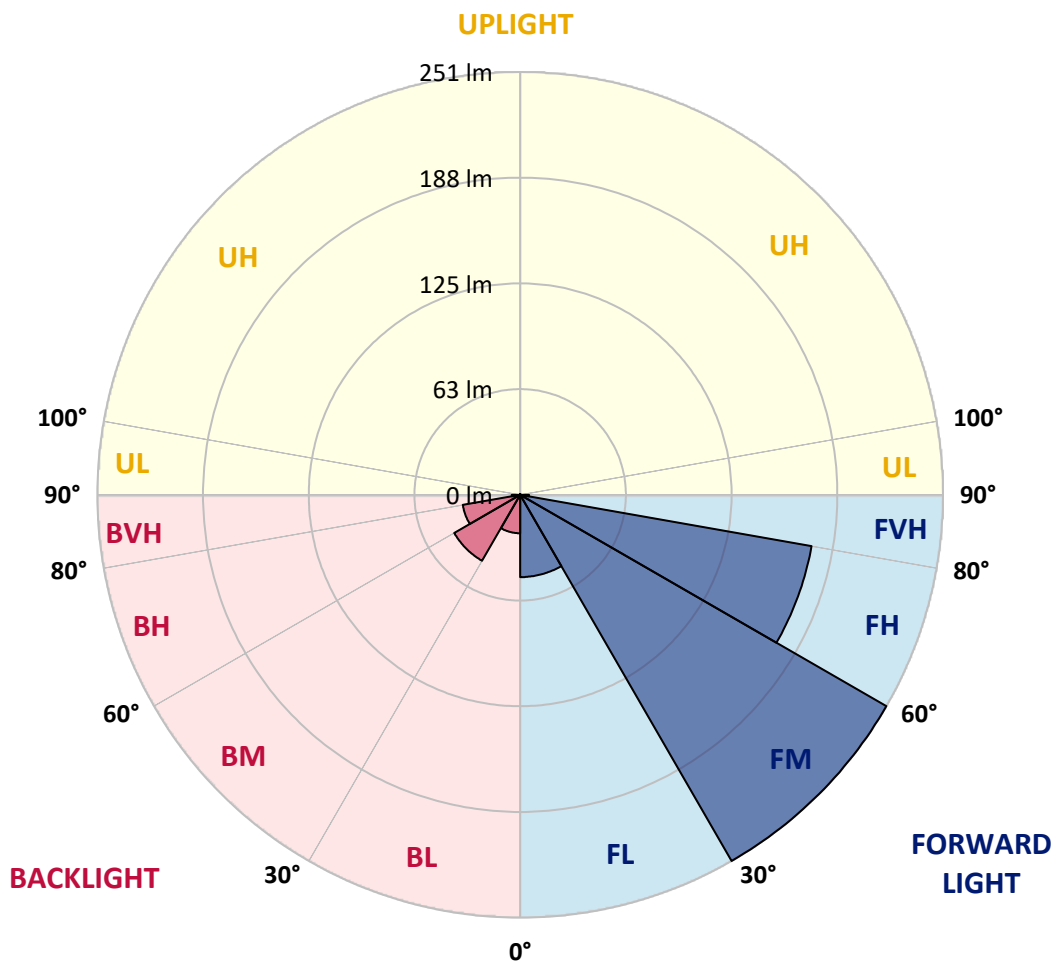
CATALOG NUMBER: IST-AF-XXX-LED-E1-T2-7030-XXB

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |       |        |
|------|-------------|--------|-----------|-------------------------|-------|--------|
|      |             |        |           | B                       | U     | G      |
| FL   | (0°-30°)    | 48.8   | 8.3       |                         |       |        |
| FM   | (30°-60°)   | 250.8  | 42.6      |                         |       |        |
| FH   | (60°-80°)   | 175.5  | 29.8      |                         |       | G0/660 |
| FVH  | (80°-90°)   | 5.2    | 0.9       |                         |       | G0/10  |
| BL   | (0°-30°)    | 22.8   | 3.9       | B0/110                  |       |        |
| BM   | (30°-60°)   | 45.2   | 7.7       | B0/220                  |       |        |
| BH   | (60°-80°)   | 34.6   | 5.9       | B0/110                  |       | G0/110 |
| BVH  | (80°-90°)   | 5.0    | 0.8       |                         |       | G0/10  |
| UL   | (90°-100°)  | 0.3    | 0.1       |                         | U1/10 |        |
| UH   | (100°-180°) | 0.2    | 0.0       |                         | U1/10 |        |

**BUG Rating: B0-U1-G0**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 60°   | 61°   | 62°   | 64°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 81.8  | 81.8  | 81.8  | 81.8  | 81.8  | 81.8  | 81.8  | 81.8  | 81.8  | 81.8  | 81.8  |
| 2.5°   | 87.6  | 87.6  | 87.3  | 87.2  | 86.9  | 86.2  | 85.2  | 85.0  | 85.0  | 84.8  | 84.6  |
| 5°     | 94.0  | 93.3  | 93.5  | 93.1  | 92.1  | 90.9  | 89.1  | 88.1  | 87.6  | 87.5  | 87.2  |
| 7.5°   | 99.2  | 99.3  | 99.0  | 98.2  | 96.9  | 95.5  | 92.9  | 91.4  | 91.0  | 90.8  | 90.2  |
| 10°    | 103.0 | 102.7 | 102.5 | 102.4 | 101.3 | 100.2 | 96.9  | 95.1  | 94.8  | 94.1  | 93.4  |
| 12.5°  | 105.7 | 105.7 | 105.7 | 105.5 | 104.9 | 104.0 | 101.4 | 99.6  | 99.2  | 98.3  | 97.7  |
| 15°    | 108.7 | 108.3 | 108.0 | 107.7 | 107.8 | 107.8 | 106.0 | 104.6 | 103.9 | 103.4 | 102.2 |
| 17.5°  | 115.1 | 114.3 | 113.6 | 112.5 | 110.9 | 110.5 | 110.4 | 110.3 | 109.4 | 109.3 | 108.1 |
| 20°    | 120.6 | 119.9 | 119.2 | 118.2 | 115.9 | 113.4 | 114.7 | 115.9 | 115.7 | 115.8 | 115.2 |
| 22.5°  | 127.3 | 126.8 | 125.4 | 124.2 | 121.2 | 118.3 | 118.4 | 121.0 | 121.3 | 121.7 | 121.8 |
| 25°    | 136.5 | 136.3 | 134.0 | 131.7 | 128.3 | 125.5 | 122.9 | 126.0 | 126.7 | 127.5 | 129.0 |
| 27.5°  | 145.8 | 145.2 | 142.8 | 140.8 | 136.5 | 133.5 | 129.9 | 131.6 | 132.6 | 134.0 | 136.4 |
| 30°    | 157.9 | 156.2 | 155.4 | 150.8 | 146.9 | 142.5 | 139.3 | 139.9 | 139.7 | 141.4 | 145.1 |
| 32.5°  | 175.3 | 172.7 | 168.5 | 163.8 | 159.2 | 153.4 | 150.8 | 150.7 | 150.3 | 152.2 | 154.3 |
| 35°    | 184.7 | 184.1 | 181.4 | 176.8 | 171.8 | 166.3 | 164.6 | 163.0 | 163.2 | 164.3 | 165.0 |
| 37.5°  | 194.8 | 194.3 | 192.3 | 189.7 | 185.9 | 188.9 | 179.4 | 177.0 | 175.9 | 175.4 | 175.6 |
| 40°    | 199.3 | 199.7 | 200.8 | 201.2 | 199.0 | 213.4 | 194.7 | 186.8 | 186.5 | 185.7 | 184.9 |
| 42.5°  | 200.2 | 201.3 | 203.5 | 208.4 | 210.5 | 241.8 | 207.3 | 197.8 | 196.5 | 195.9 | 195.9 |
| 45°    | 203.6 | 205.3 | 205.8 | 210.2 | 220.3 | 243.2 | 221.6 | 207.6 | 206.5 | 206.4 | 205.9 |
| 47.5°  | 211.9 | 214.2 | 214.2 | 216.2 | 225.7 | 246.1 | 226.4 | 217.3 | 216.6 | 216.3 | 217.6 |
| 50°    | 213.1 | 216.2 | 222.3 | 228.6 | 235.6 | 248.4 | 232.0 | 227.9 | 228.1 | 228.9 | 232.9 |
| 52.5°  | 192.9 | 195.9 | 212.2 | 230.8 | 253.3 | 254.7 | 240.3 | 242.0 | 243.7 | 247.4 | 254.8 |
| 55°    | 165.4 | 167.6 | 186.8 | 216.6 | 254.0 | 278.7 | 261.3 | 265.9 | 269.5 | 270.6 | 282.1 |
| 57.5°  | 130.2 | 133.3 | 152.8 | 191.5 | 237.2 | 285.5 | 309.7 | 311.7 | 307.7 | 311.4 | 315.6 |
| 60°    | 70.5  | 70.2  | 97.4  | 138.5 | 201.8 | 272.9 | 356.3 | 391.5 | 392.3 | 398.0 | 391.2 |
| 62.5°  | 39.4  | 39.4  | 47.3  | 71.1  | 129.9 | 230.9 | 378.7 | 460.5 | 471.1 | 480.1 | 499.8 |
| 65°    | 29.8  | 30.1  | 32.9  | 42.9  | 72.9  | 145.7 | 362.3 | 484.0 | 504.5 | 525.1 | 559.7 |
| 67.5°  | 24.8  | 24.8  | 26.8  | 31.9  | 45.6  | 66.2  | 266.7 | 436.7 | 462.3 | 486.9 | 534.7 |
| 69°    | 23.0  | 23.1  | 24.6  | 28.1  | 38.2  | 43.0  | 184.3 | 370.3 | 399.6 | 433.6 | 490.0 |
| 70°    | 22.1  | 21.9  | 23.3  | 26.2  | 34.6  | 34.0  | 135.0 | 322.0 | 344.7 | 375.2 | 440.0 |
| 72.5°  | 19.6  | 19.4  | 20.1  | 22.4  | 27.2  | 24.2  | 55.1  | 173.2 | 207.5 | 241.7 | 293.4 |
| 75°    | 17.5  | 17.2  | 17.8  | 18.9  | 21.2  | 18.5  | 27.7  | 72.6  | 87.9  | 113.6 | 156.7 |
| 77.5°  | 15.5  | 14.9  | 15.5  | 16.1  | 16.6  | 13.8  | 18.8  | 33.6  | 41.2  | 50.5  | 71.4  |
| 80°    | 14.0  | 13.5  | 14.1  | 13.7  | 13.1  | 10.7  | 12.5  | 19.6  | 21.7  | 26.0  | 34.0  |
| 82.5°  | 10.0  | 9.9   | 13.4  | 13.8  | 10.4  | 7.8   | 8.9   | 12.6  | 14.0  | 14.8  | 17.9  |
| 85°    | 6.1   | 5.9   | 7.8   | 9.9   | 10.6  | 4.9   | 5.7   | 7.4   | 7.8   | 8.5   | 10.0  |
| 87.5°  | 3.2   | 3.2   | 4.2   | 5.1   | 6.9   | 2.9   | 3.4   | 4.4   | 4.4   | 4.4   | 5.0   |
| 90°    | 0.8   | 0.9   | 1.3   | 1.8   | 1.5   | 0.8   | 1.3   | 1.0   | 1.2   | 1.0   | 1.2   |
| 92.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 95°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 97.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 100°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 102.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 105°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 107.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



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CATALOG NUMBER: IST-AF-XXX-LED-E1-T2-7030-XXB

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 5°  | 15° | 25° | 35° | 45° | 55° | 60° | 61° | 62° | 64° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 110°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |





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**CANDELA DISTRIBUTION (continued):**

|        | 65°   | 66°   | 67°   | 68°   | 69°   | 70°   | 71°   | 72°   | 73°   | 74°   | 75°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 81.8  | 81.8  | 81.8  | 81.8  | 81.8  | 81.8  | 81.8  | 81.8  | 81.8  | 81.8  | 81.8  |
| 2.5°   | 84.7  | 84.4  | 84.1  | 84.2  | 84.0  | 83.8  | 83.8  | 83.8  | 83.8  | 83.7  | 83.5  |
| 5°     | 87.2  | 87.0  | 86.5  | 86.4  | 86.2  | 86.1  | 85.8  | 85.6  | 85.5  | 85.3  | 85.0  |
| 7.5°   | 90.0  | 89.5  | 89.2  | 88.9  | 88.5  | 87.8  | 87.7  | 87.3  | 87.1  | 86.9  | 86.5  |
| 10°    | 92.9  | 92.3  | 92.0  | 91.5  | 91.1  | 90.7  | 90.2  | 89.6  | 89.1  | 88.9  | 88.4  |
| 12.5°  | 97.2  | 96.5  | 95.8  | 95.1  | 94.7  | 93.9  | 93.3  | 92.6  | 92.0  | 91.7  | 90.8  |
| 15°    | 102.0 | 101.0 | 100.3 | 99.8  | 99.1  | 98.4  | 97.7  | 97.0  | 96.1  | 95.3  | 94.5  |
| 17.5°  | 107.7 | 106.7 | 106.2 | 105.3 | 104.4 | 103.7 | 103.1 | 102.2 | 101.4 | 100.1 | 99.4  |
| 20°    | 115.1 | 114.3 | 113.7 | 112.7 | 111.8 | 111.0 | 110.5 | 108.7 | 107.7 | 106.5 | 105.4 |
| 22.5°  | 122.0 | 122.1 | 121.5 | 120.8 | 120.2 | 119.2 | 118.3 | 117.1 | 115.8 | 114.3 | 112.8 |
| 25°    | 129.5 | 130.2 | 130.3 | 130.1 | 129.8 | 128.6 | 128.2 | 126.9 | 125.9 | 123.5 | 122.8 |
| 27.5°  | 137.9 | 138.7 | 139.6 | 140.8 | 141.0 | 139.8 | 140.4 | 139.1 | 137.3 | 136.3 | 134.0 |
| 30°    | 146.0 | 148.1 | 150.1 | 151.5 | 152.3 | 152.9 | 152.5 | 152.1 | 150.9 | 149.2 | 147.2 |
| 32.5°  | 156.4 | 158.6 | 160.6 | 163.6 | 165.1 | 167.0 | 166.7 | 166.8 | 166.4 | 164.7 | 162.4 |
| 35°    | 166.9 | 168.9 | 171.4 | 173.4 | 177.2 | 179.2 | 180.9 | 180.8 | 180.8 | 179.8 | 177.6 |
| 37.5°  | 176.2 | 177.3 | 179.5 | 182.7 | 185.2 | 188.4 | 191.2 | 192.3 | 194.1 | 194.2 | 191.8 |
| 40°    | 186.0 | 187.1 | 188.7 | 191.1 | 193.8 | 197.7 | 201.3 | 204.9 | 206.6 | 208.4 | 207.5 |
| 42.5°  | 196.5 | 197.7 | 198.9 | 200.4 | 204.3 | 207.3 | 212.3 | 217.1 | 220.6 | 224.3 | 223.9 |
| 45°    | 206.9 | 208.2 | 209.9 | 212.3 | 215.8 | 220.6 | 225.4 | 230.9 | 238.9 | 243.2 | 246.2 |
| 47.5°  | 218.7 | 220.9 | 224.0 | 227.7 | 230.5 | 235.6 | 241.6 | 250.1 | 258.2 | 265.7 | 270.4 |
| 50°    | 236.4 | 237.3 | 242.4 | 246.0 | 251.4 | 256.5 | 262.5 | 270.0 | 280.5 | 288.2 | 295.7 |
| 52.5°  | 257.3 | 260.6 | 265.7 | 269.8 | 274.1 | 279.2 | 285.4 | 292.1 | 302.5 | 311.1 | 320.9 |
| 55°    | 284.3 | 288.9 | 293.4 | 295.6 | 301.6 | 306.2 | 311.2 | 317.8 | 329.0 | 338.4 | 349.8 |
| 57.5°  | 316.5 | 321.1 | 323.2 | 326.5 | 329.1 | 334.2 | 341.0 | 345.4 | 355.4 | 365.1 | 377.2 |
| 60°    | 382.6 | 379.7 | 382.2 | 377.2 | 376.4 | 376.9 | 378.3 | 381.7 | 387.3 | 396.3 | 409.1 |
| 62.5°  | 501.9 | 497.7 | 486.6 | 482.6 | 474.8 | 464.3 | 454.4 | 453.0 | 450.1 | 457.0 | 465.0 |
| 65°    | 571.5 | 586.7 | 588.4 | 592.6 | 589.5 | 581.4 | 569.7 | 566.0 | 556.6 | 550.0 | 549.6 |
| 67.5°  | 554.8 | 577.6 | 591.9 | 609.9 | 619.9 | 629.6 | 632.2 | 635.5 | 629.4 | 626.4 | 627.3 |
| 69°    | 508.3 | 525.2 | 557.1 | 569.4 | 585.2 | 598.2 | 615.2 | 618.2 | 624.1 | 625.0 | 636.3 |
| 70°    | 462.2 | 487.0 | 505.3 | 523.7 | 545.6 | 559.8 | 567.5 | 580.2 | 594.8 | 601.9 | 614.2 |
| 72.5°  | 332.3 | 340.4 | 353.4 | 377.3 | 383.4 | 398.1 | 413.2 | 424.0 | 441.2 | 453.3 | 482.2 |
| 75°    | 179.3 | 184.2 | 204.6 | 218.1 | 221.7 | 226.6 | 237.7 | 240.3 | 246.7 | 250.7 | 278.5 |
| 77.5°  | 81.9  | 89.3  | 92.0  | 99.4  | 95.2  | 97.2  | 99.9  | 99.3  | 101.1 | 109.6 | 119.4 |
| 80°    | 37.7  | 39.2  | 40.2  | 43.3  | 43.5  | 42.8  | 43.0  | 42.6  | 42.3  | 43.6  | 44.7  |
| 82.5°  | 18.4  | 20.6  | 20.6  | 22.5  | 23.4  | 23.1  | 23.7  | 23.5  | 23.8  | 23.5  | 24.6  |
| 85°    | 10.8  | 10.8  | 11.6  | 12.6  | 12.5  | 12.8  | 12.8  | 13.5  | 13.6  | 13.7  | 13.7  |
| 87.5°  | 5.0   | 5.5   | 5.8   | 6.2   | 6.4   | 6.7   | 6.8   | 6.8   | 6.9   | 6.7   | 6.9   |
| 90°    | 1.3   | 1.3   | 2.1   | 2.1   | 2.3   | 2.6   | 2.2   | 2.4   | 3.0   | 2.2   | 2.8   |
| 92.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 95°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 97.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 100°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 102.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 105°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 107.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



REPORT NUMBER: P226260

CATALOG NUMBER: IST-AF-XXX-LED-E1-T2-7030-XXB

**CANDELA DISTRIBUTION (continued):**

|        | 65° | 66° | 67° | 68° | 69° | 70° | 71° | 72° | 73° | 74° | 75° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 110°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P226260  
 CATALOG NUMBER: IST-AF-XXX-LED-E1-T2-7030-XXB

**CANDELA DISTRIBUTION (continued):**

|        | 76°   | 77°   | 78°   | 79°   | 80°   | 81°   | 82°   | 83°   | 84°   | 85°   | 86°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 81.8  | 81.8  | 81.8  | 81.8  | 81.8  | 81.8  | 81.8  | 81.8  | 81.8  | 81.8  | 81.8  |
| 2.5°   | 83.3  | 83.5  | 83.4  | 83.1  | 83.0  | 83.0  | 82.8  | 82.7  | 82.6  | 82.5  | 82.6  |
| 5°     | 84.9  | 84.9  | 84.6  | 84.3  | 83.9  | 83.8  | 83.8  | 83.3  | 83.2  | 83.0  | 82.8  |
| 7.5°   | 86.3  | 86.1  | 85.8  | 85.2  | 84.9  | 84.8  | 84.4  | 84.0  | 83.6  | 83.2  | 83.1  |
| 10°    | 87.9  | 87.7  | 87.0  | 86.6  | 85.9  | 85.8  | 85.2  | 84.7  | 84.3  | 83.8  | 83.5  |
| 12.5°  | 90.1  | 89.9  | 89.1  | 88.1  | 87.6  | 87.3  | 86.5  | 85.9  | 85.3  | 84.8  | 84.2  |
| 15°    | 93.5  | 92.8  | 92.3  | 91.3  | 90.5  | 89.8  | 88.9  | 88.0  | 87.2  | 86.3  | 85.8  |
| 17.5°  | 98.3  | 97.3  | 96.0  | 95.4  | 94.3  | 93.2  | 92.0  | 91.4  | 90.2  | 89.2  | 88.2  |
| 20°    | 104.5 | 103.6 | 101.4 | 100.7 | 99.2  | 97.6  | 96.6  | 95.3  | 94.3  | 92.7  | 91.6  |
| 22.5°  | 111.4 | 110.6 | 108.5 | 106.5 | 105.1 | 103.8 | 102.2 | 100.6 | 98.8  | 97.2  | 96.1  |
| 25°    | 120.4 | 119.1 | 117.3 | 115.3 | 113.2 | 111.4 | 109.2 | 106.9 | 105.4 | 103.2 | 101.5 |
| 27.5°  | 132.6 | 130.4 | 127.4 | 125.2 | 123.5 | 120.8 | 118.1 | 116.0 | 113.6 | 110.8 | 108.9 |
| 30°    | 145.8 | 143.4 | 141.1 | 138.6 | 135.8 | 133.2 | 129.4 | 126.4 | 123.9 | 120.9 | 117.8 |
| 32.5°  | 160.5 | 158.4 | 155.2 | 151.9 | 148.9 | 145.6 | 142.8 | 139.7 | 135.2 | 132.1 | 128.8 |
| 35°    | 175.3 | 172.8 | 169.6 | 166.7 | 163.3 | 159.9 | 156.8 | 152.7 | 148.6 | 144.1 | 139.6 |
| 37.5°  | 189.5 | 187.4 | 183.8 | 179.6 | 176.6 | 172.9 | 169.7 | 165.3 | 160.5 | 155.5 | 152.1 |
| 40°    | 205.4 | 202.0 | 199.5 | 194.6 | 191.5 | 187.4 | 182.9 | 179.5 | 174.9 | 169.4 | 164.5 |
| 42.5°  | 223.6 | 221.2 | 218.6 | 214.6 | 211.3 | 206.4 | 200.7 | 196.4 | 192.1 | 185.6 | 178.9 |
| 45°    | 246.7 | 245.1 | 240.8 | 237.5 | 233.2 | 228.1 | 223.1 | 217.8 | 211.1 | 203.5 | 197.4 |
| 47.5°  | 274.3 | 273.1 | 269.2 | 264.6 | 258.9 | 252.0 | 247.3 | 240.1 | 234.4 | 225.0 | 217.6 |
| 50°    | 299.4 | 300.0 | 297.9 | 290.8 | 285.7 | 278.8 | 271.5 | 265.2 | 256.4 | 246.7 | 237.3 |
| 52.5°  | 329.4 | 328.8 | 323.4 | 319.5 | 313.4 | 305.1 | 297.1 | 289.0 | 279.4 | 269.3 | 257.6 |
| 55°    | 358.1 | 359.9 | 356.1 | 350.6 | 343.2 | 331.5 | 323.5 | 313.0 | 302.8 | 291.7 | 278.3 |
| 57.5°  | 385.9 | 391.6 | 388.7 | 382.2 | 374.6 | 366.2 | 355.6 | 343.8 | 333.3 | 318.8 | 303.6 |
| 60°    | 420.6 | 428.2 | 429.4 | 425.1 | 416.9 | 407.1 | 393.2 | 384.0 | 369.5 | 356.1 | 344.4 |
| 62.5°  | 473.9 | 491.2 | 490.2 | 492.2 | 486.4 | 480.3 | 464.0 | 454.1 | 435.4 | 425.7 | 409.4 |
| 65°    | 563.1 | 575.8 | 591.1 | 590.6 | 586.6 | 572.0 | 555.1 | 538.6 | 526.2 | 507.2 | 490.2 |
| 67.5°  | 637.9 | 648.4 | 657.4 | 652.7 | 643.5 | 627.2 | 607.4 | 584.3 | 565.5 | 544.5 | 522.2 |
| 69°    | 644.9 | 657.7 | 663.0 | 657.2 | 640.6 | 619.3 | 600.0 | 578.5 | 552.6 | 534.6 | 507.4 |
| 70°    | 626.1 | 638.7 | 649.4 | 634.5 | 619.3 | 598.5 | 577.3 | 555.1 | 531.8 | 512.5 | 485.0 |
| 72.5°  | 497.3 | 511.6 | 510.1 | 508.5 | 496.4 | 475.7 | 456.2 | 444.2 | 427.9 | 404.5 | 384.7 |
| 75°    | 289.2 | 295.8 | 284.2 | 296.4 | 281.8 | 260.9 | 263.7 | 250.2 | 238.2 | 224.7 | 214.3 |
| 77.5°  | 113.6 | 119.4 | 113.3 | 111.3 | 104.8 | 103.4 | 92.6  | 93.8  | 88.5  | 77.9  | 73.0  |
| 80°    | 43.0  | 43.8  | 42.8  | 40.6  | 40.2  | 37.7  | 37.1  | 34.7  | 33.6  | 30.1  | 28.8  |
| 82.5°  | 23.1  | 23.6  | 22.9  | 22.2  | 21.7  | 20.2  | 19.3  | 17.5  | 16.5  | 15.4  | 15.3  |
| 85°    | 13.3  | 13.0  | 12.6  | 12.3  | 11.5  | 10.7  | 10.0  | 9.3   | 8.5   | 7.9   | 7.3   |
| 87.5°  | 7.0   | 7.1   | 7.2   | 6.8   | 6.3   | 5.6   | 5.2   | 5.0   | 4.4   | 4.1   | 3.8   |
| 90°    | 2.3   | 1.7   | 2.0   | 2.5   | 2.3   | 1.9   | 1.8   | 1.5   | 1.3   | 1.3   | 1.0   |
| 92.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 95°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 97.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 100°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 102.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 105°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 107.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



REPORT NUMBER: P226260  
 CATALOG NUMBER: IST-AF-XXX-LED-E1-T2-7030-XXB

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

|        | 76° | 77° | 78° | 79° | 80° | 81° | 82° | 83° | 84° | 85° | 86° |        |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 110°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0°     |
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5°   |
| 115°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5°     |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.5°   |
| 120°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10°    |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.5°  |
| 125°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15°    |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17.5°  |
| 130°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20°    |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22.5°  |
| 135°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 25°    |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27.5°  |
| 140°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30°    |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32.5°  |
| 145°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35°    |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 37.5°  |
| 150°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 40°    |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 42.5°  |
| 155°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 45°    |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 47.5°  |
| 160°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 50°    |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 52.5°  |
| 165°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 55°    |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 57.5°  |
| 170°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 60°    |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5°  |
| 175°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 65°    |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 67.5°  |
| 180°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 69°    |
|        |     |     |     |     |     |     |     |     |     |     |     | 70°    |
|        |     |     |     |     |     |     |     |     |     |     |     | 72.5°  |
|        |     |     |     |     |     |     |     |     |     |     |     | 75°    |
|        |     |     |     |     |     |     |     |     |     |     |     | 77.5°  |
|        |     |     |     |     |     |     |     |     |     |     |     | 80°    |
|        |     |     |     |     |     |     |     |     |     |     |     | 82.5°  |
|        |     |     |     |     |     |     |     |     |     |     |     | 85°    |
|        |     |     |     |     |     |     |     |     |     |     |     | 87.5°  |
|        |     |     |     |     |     |     |     |     |     |     |     | 90°    |
|        |     |     |     |     |     |     |     |     |     |     |     | 92.5°  |
|        |     |     |     |     |     |     |     |     |     |     |     | 95°    |
|        |     |     |     |     |     |     |     |     |     |     |     | 97.5°  |
|        |     |     |     |     |     |     |     |     |     |     |     | 100°   |
|        |     |     |     |     |     |     |     |     |     |     |     | 102.5° |
|        |     |     |     |     |     |     |     |     |     |     |     | 105°   |
|        |     |     |     |     |     |     |     |     |     |     |     | 107.5° |



'226260  
 IST-AF-XXX-LED-E1-T2-7030-XXB

REPORT NUMBER: P226260  
 CATALOG NUMBER: IST-AF-XX

**TION (continued):**

**CANDELA DISTRIBUTION (con**

| 88° | 89° | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° |        | 165° | 175° |
|-----|-----|-----|-----|------|------|------|------|------|------|--------|------|------|
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0°     | 81.8 | 81.8 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 2.5°   | 75.3 | 74.1 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 5°     | 62.9 | 62.8 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 7.5°   | 55.2 | 54.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 10°    | 52.6 | 52.5 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 12.5°  | 53.7 | 54.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 15°    | 55.2 | 55.7 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 17.5°  | 56.1 | 57.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 20°    | 55.8 | 56.9 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 22.5°  | 53.0 | 53.5 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 25°    | 48.0 | 48.2 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 27.5°  | 41.9 | 41.8 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 30°    | 37.7 | 36.5 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 32.5°  | 35.7 | 35.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 35°    | 34.3 | 33.2 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 37.5°  | 35.6 | 35.5 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 40°    | 36.8 | 36.6 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 42.5°  | 34.7 | 33.2 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 45°    | 31.0 | 29.2 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 47.5°  | 28.4 | 27.4 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 50°    | 27.2 | 26.9 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 52.5°  | 26.9 | 27.7 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 55°    | 26.7 | 27.7 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 57.5°  | 25.5 | 27.2 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 60°    | 24.7 | 26.6 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 62.5°  | 24.2 | 26.4 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 65°    | 23.7 | 26.6 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 67.5°  | 23.1 | 27.1 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 69°    | 22.7 | 27.0 |
|     |     |     |     |      |      |      |      |      |      | 70°    | 22.4 | 26.7 |
|     |     |     |     |      |      |      |      |      |      | 72.5°  | 21.2 | 24.7 |
|     |     |     |     |      |      |      |      |      |      | 75°    | 19.7 | 21.8 |
|     |     |     |     |      |      |      |      |      |      | 77.5°  | 17.8 | 18.7 |
|     |     |     |     |      |      |      |      |      |      | 80°    | 15.8 | 16.3 |
|     |     |     |     |      |      |      |      |      |      | 82.5°  | 13.7 | 15.7 |
|     |     |     |     |      |      |      |      |      |      | 85°    | 10.8 | 13.3 |
|     |     |     |     |      |      |      |      |      |      | 87.5°  | 7.9  | 7.3  |
|     |     |     |     |      |      |      |      |      |      | 90°    | 4.5  | 3.3  |
|     |     |     |     |      |      |      |      |      |      | 92.5°  | 0.0  | 0.0  |
|     |     |     |     |      |      |      |      |      |      | 95°    | 0.0  | 0.0  |
|     |     |     |     |      |      |      |      |      |      | 97.5°  | 0.0  | 0.0  |
|     |     |     |     |      |      |      |      |      |      | 100°   | 0.0  | 0.0  |
|     |     |     |     |      |      |      |      |      |      | 102.5° | 0.0  | 0.0  |
|     |     |     |     |      |      |      |      |      |      | 105°   | 0.0  | 0.0  |
|     |     |     |     |      |      |      |      |      |      | 107.5° | 0.0  | 0.0  |



REPORT NUMBER: P226260

CATALOG NUMBER: IST-AF-XXX-LED-E1-1

X-LED-E1-T2-7030-XXB

**tinued):**

| 180° |
|------|
| 81.8 |
| 74.4 |
| 62.2 |
| 54.1 |
| 52.8 |
| 53.8 |
| 55.8 |
| 57.4 |
| 57.2 |
| 54.0 |
| 48.3 |
| 42.4 |
| 37.4 |
| 35.8 |
| 33.7 |
| 35.9 |
| 37.0 |
| 33.6 |
| 29.2 |
| 27.2 |
| 26.7 |
| 28.0 |
| 27.6 |
| 27.2 |
| 26.7 |
| 26.3 |
| 26.2 |
| 26.4 |
| 26.0 |
| 25.6 |
| 23.1 |
| 20.7 |
| 18.7 |
| 16.5 |
| 13.9 |
| 10.4 |
| 7.9  |
| 2.8  |
| 0.0  |
| 0.0  |
| 0.0  |
| 0.0  |
| 0.0  |
| 0.0  |
| 0.0  |
| 0.0  |
| 0.0  |

**CANDELA DISTRIBUTION (continued):**

|        | 165° | 175° | 180° |
|--------|------|------|------|
| 110°   | 0.0  | 0.0  | 0.0  |
| 112.5° | 0.0  | 0.0  | 0.0  |
| 115°   | 0.0  | 0.0  | 0.0  |
| 117.5° | 0.0  | 0.0  | 0.0  |
| 120°   | 0.0  | 0.0  | 0.0  |
| 122.5° | 0.0  | 0.0  | 0.0  |
| 125°   | 0.0  | 0.0  | 0.0  |
| 127.5° | 0.0  | 0.0  | 0.0  |
| 130°   | 0.0  | 0.0  | 0.0  |
| 132.5° | 0.0  | 0.0  | 0.0  |
| 135°   | 0.0  | 0.0  | 0.0  |
| 137.5° | 0.0  | 0.0  | 0.0  |
| 140°   | 0.0  | 0.0  | 0.0  |
| 142.5° | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0  | 0.0  | 0.0  |

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Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report

