

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: INVUE

Report Number: P173605

Luminaire Tested: **ENT-FXX-LED-E1-BL3-7060-ULG-CWB**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P173605  
REPORT IS FROM IESNA LM-79-08 TEST DATA - UPLIGHT (P20107) AND DOWNLIGHT  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ENT-FXX-LED-E1-BL3-7060-ULG-CWB  
Description: ENTRI LED LUMINAIRE WITH UPLIGHT, EMERGENCY MODE  
LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL  
Light Source: (14) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1584.4 lumens  
Efficiency: N/A  
Efficacy: 288.1 lumens/watt  
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')  
IES Classification: Type III - Short - Semi-Cutoff  
BUG Rating: B0 - U3 - G1

Input Watts (W): 5.5  
Input Voltage (V): NR  
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

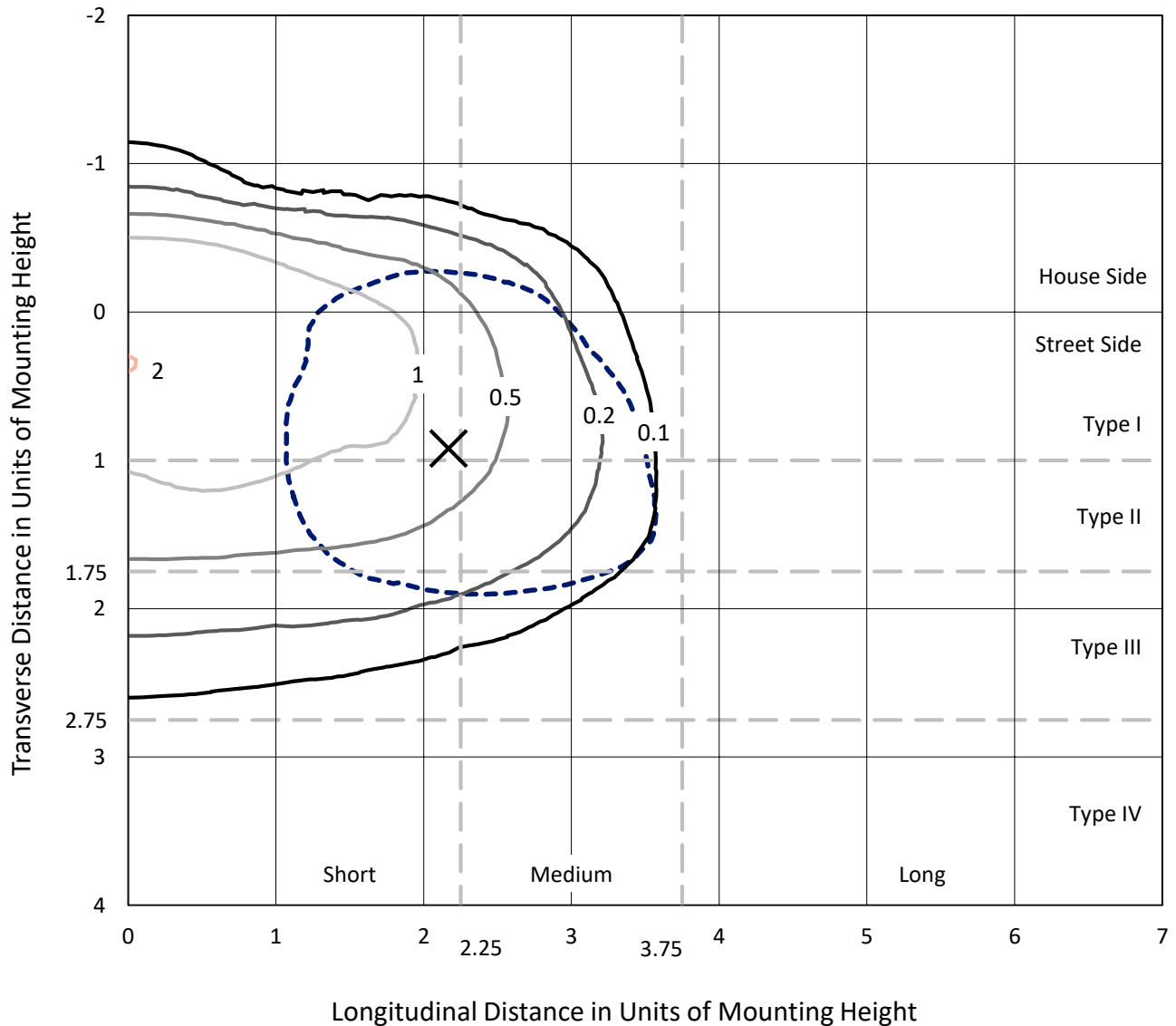


REPORT NUMBER: P173605

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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

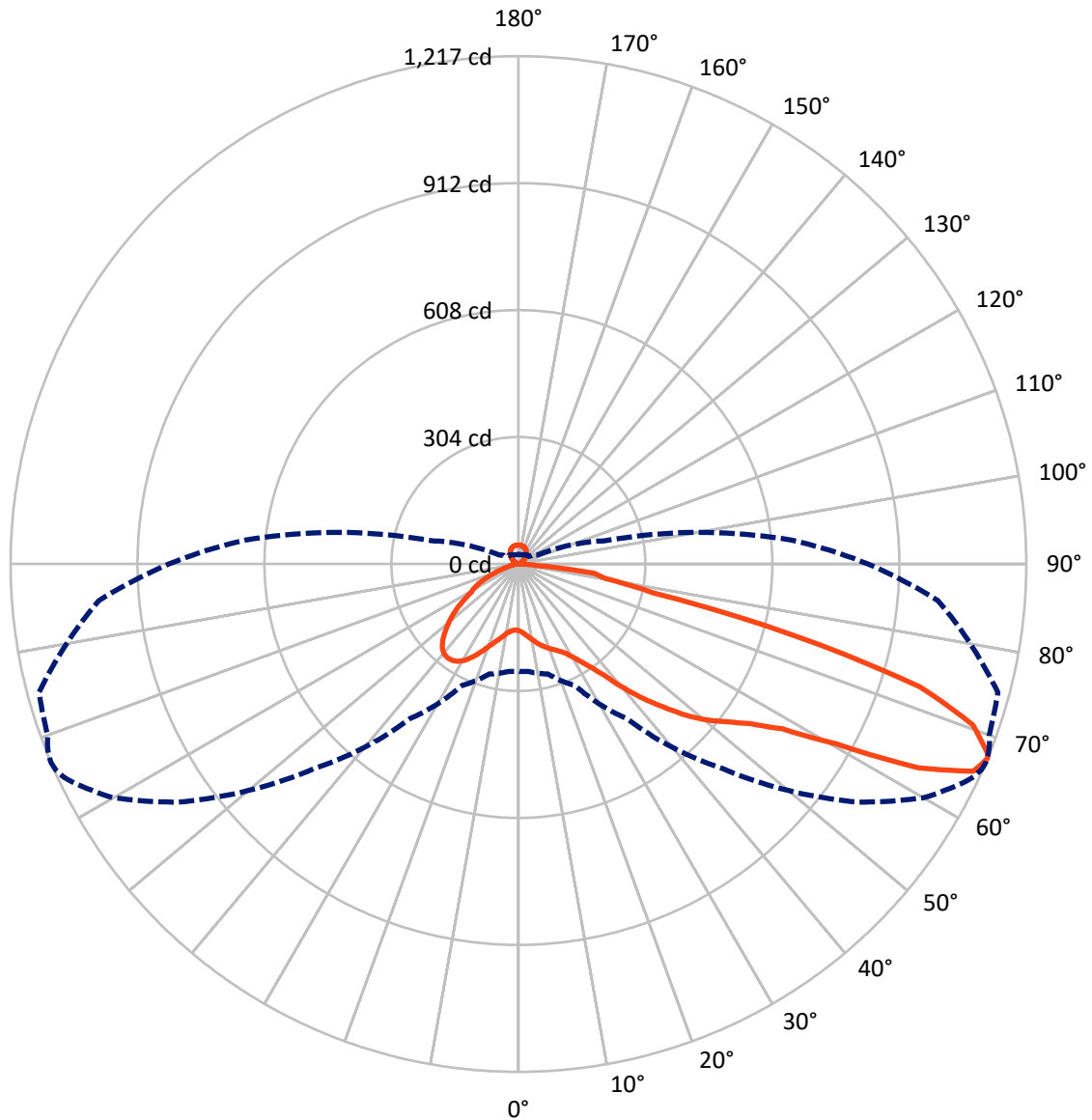


Based on 10 foot mounting height. Maximum calculated value = 2 fc  
 Type III - Short - Semi-Cutoff

REPORT NUMBER: P173605

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

REPORT NUMBER: P173605

CATALOG NUMBER: ENT-FXX-LED-E1-BL3-7060-ULG-CWB

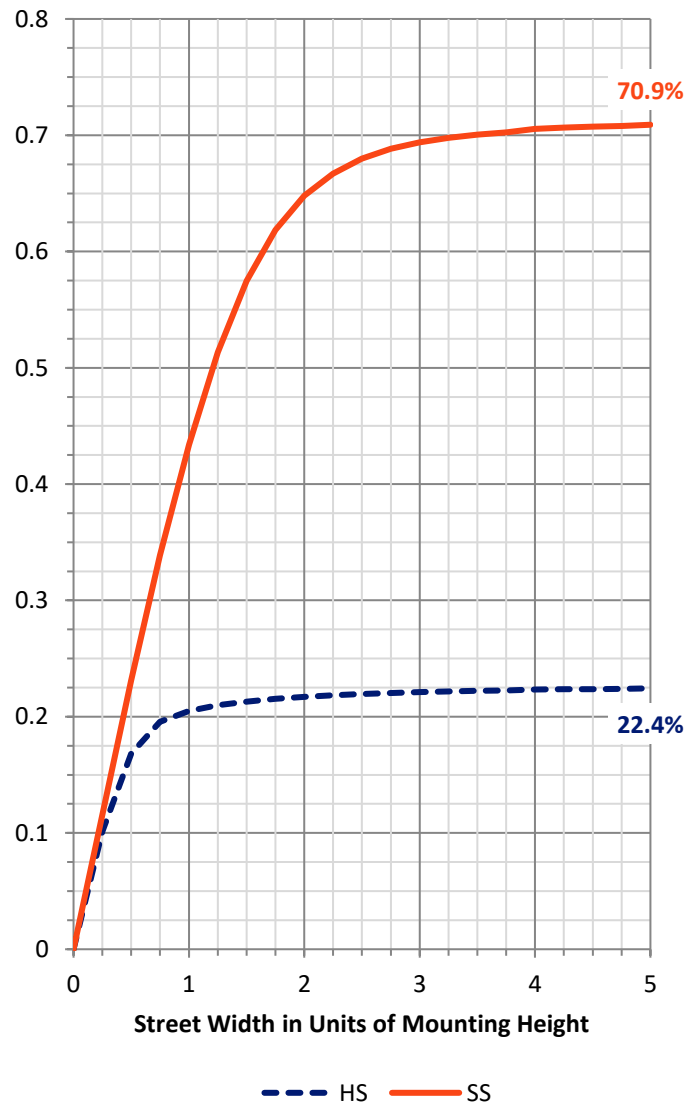
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 359.9    | 51.1   | 411.0  |
|                    | % Fixture | 22.7     | 3.2    | 25.9   |
| <b>Street Side</b> | Lumens    | 1122.4   | 51.1   | 1173.4 |
|                    | % Fixture | 70.8     | 3.2    | 74.1   |
| <b>Total</b>       | Lumens    | 1482.3   | 102.1  | 1584.4 |
|                    | % Fixture | 93.6     | 6.4    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 16.1   | 1.0       |
| 10°-20°   | 55.6   | 3.5       |
| 20°-30°   | 100.9  | 6.4       |
| 30°-40°   | 147.5  | 9.3       |
| 40°-50°   | 223.4  | 14.1      |
| 50°-60°   | 320.4  | 20.2      |
| 60°-70°   | 409.4  | 25.8      |
| 70°-80°   | 191.1  | 12.1      |
| 80°-90°   | 17.9   | 1.1       |
| 90°-100°  | 0.4    | 0.0       |
| 100°-110° | 4.0    | 0.3       |
| 110°-120° | 8.2    | 0.5       |
| 120°-130° | 13.9   | 0.9       |
| 130°-140° | 19.4   | 1.2       |
| 140°-150° | 21.2   | 1.3       |
| 150°-160° | 18.4   | 1.2       |
| 160°-170° | 12.4   | 0.8       |
| 170°-180° | 4.3    | 0.3       |
| 0°-90°    | 1482.3 | 93.6      |
| 0°-180°   | 1584.4 | 100.0     |



REPORT NUMBER: P173605

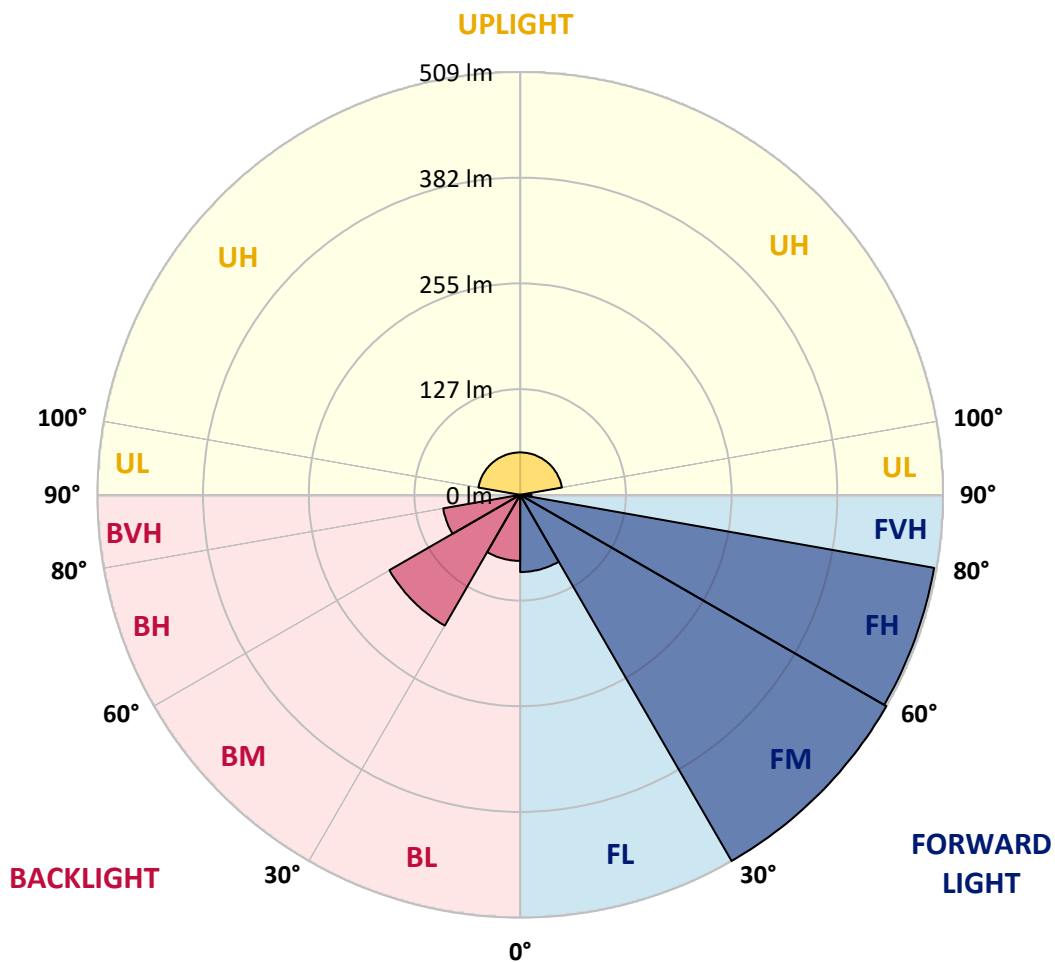
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |        |        |
|------|-------------|--------|-----------|-------------------------|--------|--------|
|      |             |        |           | B                       | U      | G      |
| FL   | (0°-30°)    | 93.0   | 5.9       |                         |        |        |
| FM   | (30°-60°)   | 509.4  | 32.2      |                         |        |        |
| FH   | (60°-80°)   | 506.4  | 32.0      |                         |        | G0/660 |
| FVH  | (80°-90°)   | 13.6   | 0.9       |                         |        | G1/100 |
| BL   | (0°-30°)    | 79.6   | 5.0       | B0/110                  |        |        |
| BM   | (30°-60°)   | 181.8  | 11.5      | B0/220                  |        |        |
| BH   | (60°-80°)   | 94.2   | 5.9       | B0/110                  |        | G0/110 |
| BVH  | (80°-90°)   | 4.3    | 0.3       |                         |        | G0/10  |
| UL   | (90°-100°)  | 0.4    | 0.0       |                         | U1/10  |        |
| UH   | (100°-180°) | 51.1   | 3.2       |                         | U3/500 |        |

**BUG Rating: B0-U3-G1**

Type III Short





REPORT NUMBER: P173605

CATALOG NUMBER: ENT-FXX-LED-E1-BL3-7060-ULG-CWB

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 60°    | 61°    | 62°    | 64°    |
|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 0°     | 159.6 | 159.6 | 159.6 | 159.6 | 159.6 | 159.6 | 159.6 | 159.6  | 159.6  | 159.6  | 159.6  |
| 2.5°   | 165.9 | 165.9 | 166.2 | 166.2 | 165.9 | 165.9 | 164.3 | 164.3  | 164.3  | 164.0  | 164.0  |
| 5°     | 175.0 | 175.3 | 175.3 | 175.0 | 174.4 | 173.3 | 171.1 | 171.1  | 171.1  | 170.8  | 170.3  |
| 7.5°   | 185.4 | 185.1 | 185.4 | 184.6 | 183.5 | 182.1 | 179.1 | 178.8  | 178.3  | 178.3  | 177.7  |
| 10°    | 196.9 | 196.1 | 196.9 | 195.8 | 193.6 | 191.1 | 187.6 | 186.5  | 186.5  | 186.5  | 185.4  |
| 12.5°  | 208.7 | 208.4 | 209.0 | 207.0 | 203.2 | 200.5 | 196.9 | 195.6  | 195.3  | 195.3  | 194.7  |
| 15°    | 221.6 | 221.3 | 219.7 | 216.7 | 211.7 | 209.2 | 205.1 | 203.5  | 203.2  | 203.2  | 202.4  |
| 17.5°  | 235.0 | 235.0 | 230.9 | 224.6 | 217.8 | 214.2 | 211.2 | 210.1  | 209.8  | 209.8  | 209.5  |
| 20°    | 246.5 | 246.5 | 241.1 | 230.6 | 220.8 | 216.9 | 215.8 | 215.8  | 215.8  | 215.8  | 216.1  |
| 22.5°  | 255.1 | 254.2 | 246.8 | 234.0 | 221.9 | 218.6 | 221.3 | 221.6  | 221.6  | 222.1  | 222.4  |
| 25°    | 258.9 | 258.6 | 249.8 | 234.5 | 221.6 | 221.0 | 227.1 | 227.9  | 228.4  | 229.0  | 229.8  |
| 27.5°  | 259.2 | 259.2 | 250.4 | 234.2 | 221.3 | 225.4 | 234.2 | 236.7  | 237.2  | 238.3  | 239.7  |
| 30°    | 256.4 | 256.7 | 249.3 | 234.0 | 223.2 | 233.7 | 245.4 | 250.1  | 251.2  | 252.9  | 255.1  |
| 32.5°  | 253.1 | 253.7 | 249.3 | 236.7 | 231.7 | 247.9 | 263.5 | 270.1  | 271.2  | 273.4  | 275.6  |
| 35°    | 253.7 | 254.5 | 255.3 | 247.6 | 250.7 | 272.3 | 294.8 | 298.7  | 298.4  | 301.9  | 303.0  |
| 37.5°  | 257.3 | 259.2 | 265.2 | 266.6 | 278.1 | 308.3 | 331.9 | 340.1  | 340.1  | 343.3  | 342.3  |
| 40°    | 257.8 | 260.8 | 275.9 | 291.8 | 314.6 | 351.6 | 383.9 | 393.6  | 393.6  | 394.9  | 394.4  |
| 42.5°  | 270.7 | 273.4 | 295.1 | 323.3 | 355.7 | 399.3 | 435.0 | 443.5  | 445.4  | 444.0  | 445.1  |
| 45°    | 294.0 | 295.9 | 322.5 | 358.2 | 395.5 | 445.1 | 484.9 | 493.1  | 495.0  | 493.6  | 492.0  |
| 47.5°  | 323.6 | 326.4 | 354.6 | 396.8 | 435.2 | 487.4 | 535.9 | 545.5  | 547.4  | 545.2  | 546.0  |
| 50°    | 348.3 | 353.5 | 383.7 | 433.6 | 473.6 | 523.6 | 575.4 | 588.5  | 590.2  | 590.2  | 590.7  |
| 52.5°  | 370.8 | 375.4 | 404.5 | 460.2 | 504.6 | 556.2 | 604.7 | 621.7  | 623.6  | 625.0  | 626.1  |
| 55°    | 380.1 | 384.8 | 413.8 | 471.7 | 523.6 | 586.6 | 638.7 | 661.5  | 662.6  | 666.1  | 670.8  |
| 57.5°  | 380.4 | 384.2 | 412.7 | 471.4 | 533.4 | 614.0 | 685.1 | 720.5  | 724.8  | 729.5  | 737.5  |
| 60°    | 354.6 | 359.3 | 387.8 | 457.7 | 541.7 | 644.8 | 755.3 | 820.3  | 826.6  | 840.0  | 857.6  |
| 62.5°  | 315.7 | 318.9 | 343.6 | 412.5 | 541.7 | 687.3 | 868.3 | 975.8  | 996.9  | 1018.8 | 1051.2 |
| 65°    | 279.5 | 281.9 | 297.6 | 357.1 | 503.3 | 721.8 | 986.5 | 1110.2 | 1132.9 | 1149.4 | 1176.8 |
| 67°    | 257.0 | 258.1 | 272.9 | 321.4 | 451.7 | 694.1 | 994.4 | 1119.5 | 1139.0 | 1156.0 | 1190.5 |
| 67.5°  | 249.3 | 250.1 | 264.1 | 312.4 | 435.8 | 677.4 | 982.4 | 1111.8 | 1132.9 | 1150.2 | 1185.3 |
| 70°    | 191.7 | 189.2 | 201.3 | 245.7 | 352.1 | 540.6 | 862.5 | 1011.7 | 1035.8 | 1058.9 | 1101.4 |
| 72.5°  | 114.4 | 110.8 | 118.5 | 142.6 | 228.2 | 379.8 | 654.1 | 830.2  | 860.9  | 889.7  | 945.4  |
| 75°    | 68.8  | 69.1  | 74.9  | 91.6  | 124.5 | 238.9 | 422.6 | 540.3  | 569.1  | 596.2  | 640.1  |
| 77.5°  | 34.3  | 34.0  | 39.2  | 53.2  | 90.8  | 148.4 | 245.4 | 311.6  | 321.1  | 334.0  | 328.8  |
| 80°    | 11.0  | 10.7  | 11.5  | 14.5  | 32.6  | 99.6  | 154.4 | 195.6  | 199.9  | 202.4  | 205.4  |
| 82.5°  | 1.7   | 1.9   | 2.2   | 3.6   | 6.0   | 23.9  | 96.0  | 136.0  | 142.1  | 149.2  | 162.9  |
| 85°    | 0.0   | 0.0   | 0.3   | 0.3   | 0.8   | 1.9   | 9.1   | 23.3   | 24.4   | 29.6   | 34.8   |
| 87.5°  | 0.0   | 0.0   | 0.0   | 0.3   | 0.6   | 0.8   | 1.4   | 1.4    | 1.4    | 1.4    | 1.4    |
| 90°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    |
| 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°    | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2    | 0.2    | 0.2    | 0.2    |
| 97.5°  | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5    | 0.5    | 0.5    | 0.5    |
| 100°   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6    | 1.6    | 1.6    | 1.6    |
| 102.5° | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   | 2.8    | 2.8    | 2.8    | 2.8    |
| 105°   | 3.8   | 3.8   | 3.8   | 3.8   | 3.8   | 3.8   | 3.8   | 3.8    | 3.8    | 3.8    | 3.8    |
| 107.5° | 4.8   | 4.8   | 4.8   | 4.8   | 4.8   | 4.8   | 4.8   | 4.8    | 4.8    | 4.8    | 4.8    |



REPORT NUMBER: P173605

CATALOG NUMBER: ENT-FXX-LED-E1-BL3-7060-ULG-CWB

**CANDELA DISTRIBUTION (continued):**

|        | 0°   | 5°   | 15°  | 25°  | 35°  | 45°  | 55°  | 60°  | 61°  | 62°  | 64°  |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 110°   | 5.8  | 5.8  | 5.8  | 5.8  | 5.8  | 5.8  | 5.8  | 5.8  | 5.8  | 5.8  | 5.8  |
| 112.5° | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  |
| 115°   | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  |
| 117.5° | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  |
| 120°   | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| 122.5° | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 |
| 125°   | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 |
| 127.5° | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 |
| 130°   | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 |
| 132.5° | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 |
| 135°   | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 |
| 137.5° | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| 140°   | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 |
| 142.5° | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 |
| 145°   | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 147.5° | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 |
| 150°   | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 |
| 152.5° | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 |
| 155°   | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 157.5° | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| 160°   | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 162.5° | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 |
| 165°   | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 |
| 167.5° | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| 170°   | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 172.5° | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| 175°   | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 177.5° | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| 180°   | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |





REPORT NUMBER: P173605

CATALOG NUMBER: ENT-FXX-LED-E1-BL3-7060-ULG-CWB

**CANDELA DISTRIBUTION (continued):**

|        | 65°    | 66°    | 67°    | 68°    | 69°    | 70°    | 75°    | 85°    | 90°   | 95°   | 105°  |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 0°     | 159.6  | 159.6  | 159.6  | 159.6  | 159.6  | 159.6  | 159.6  | 159.6  | 159.6 | 159.6 | 159.6 |
| 2.5°   | 163.7  | 163.7  | 163.5  | 163.2  | 163.2  | 163.2  | 162.6  | 162.4  | 160.7 | 160.2 | 159.1 |
| 5°     | 170.3  | 170.3  | 169.7  | 169.5  | 169.2  | 169.2  | 168.4  | 166.7  | 164.5 | 163.2 | 161.0 |
| 7.5°   | 177.5  | 177.2  | 176.6  | 176.6  | 175.5  | 175.5  | 174.4  | 171.4  | 169.2 | 167.3 | 164.5 |
| 10°    | 185.7  | 185.4  | 184.6  | 184.3  | 183.7  | 183.2  | 182.1  | 178.5  | 176.4 | 173.9 | 170.6 |
| 12.5°  | 194.7  | 194.2  | 193.6  | 193.4  | 192.8  | 192.3  | 191.1  | 187.8  | 185.7 | 183.2 | 179.4 |
| 15°    | 202.7  | 202.4  | 201.8  | 201.6  | 201.6  | 201.0  | 200.2  | 197.2  | 195.0 | 192.3 | 189.2 |
| 17.5°  | 209.8  | 209.5  | 209.2  | 209.2  | 209.0  | 209.0  | 208.7  | 206.0  | 204.6 | 202.4 | 199.4 |
| 20°    | 215.8  | 216.1  | 216.1  | 216.1  | 216.4  | 216.7  | 217.2  | 215.8  | 214.5 | 212.5 | 210.9 |
| 22.5°  | 222.4  | 222.7  | 223.5  | 223.5  | 224.1  | 224.3  | 226.2  | 226.0  | 225.4 | 224.1 | 222.7 |
| 25°    | 230.4  | 230.9  | 231.5  | 232.3  | 232.6  | 233.4  | 236.7  | 238.1  | 237.0 | 236.1 | 237.5 |
| 27.5°  | 240.8  | 241.9  | 242.4  | 243.5  | 244.1  | 245.2  | 250.1  | 253.1  | 252.3 | 252.6 | 255.6 |
| 30°    | 256.4  | 257.5  | 259.2  | 259.7  | 261.6  | 262.2  | 267.9  | 272.6  | 272.6 | 272.1 | 277.5 |
| 32.5°  | 277.3  | 278.1  | 280.0  | 281.4  | 282.5  | 283.6  | 289.1  | 294.0  | 294.6 | 296.2 | 298.4 |
| 35°    | 304.7  | 305.2  | 306.3  | 308.5  | 308.3  | 308.8  | 311.8  | 316.8  | 319.5 | 323.3 | 316.8 |
| 37.5°  | 340.9  | 342.8  | 342.3  | 342.5  | 340.3  | 341.7  | 342.8  | 348.0  | 353.8 | 357.6 | 332.1 |
| 40°    | 392.5  | 393.8  | 392.5  | 390.5  | 388.9  | 388.1  | 386.4  | 392.2  | 397.1 | 394.4 | 344.2 |
| 42.5°  | 442.6  | 443.2  | 442.1  | 438.8  | 437.4  | 434.7  | 430.3  | 437.4  | 440.2 | 427.3 | 350.5 |
| 45°    | 492.3  | 491.5  | 489.5  | 489.0  | 486.3  | 483.5  | 481.0  | 485.7  | 484.6 | 459.4 | 353.2 |
| 47.5°  | 544.4  | 543.6  | 542.2  | 540.0  | 537.0  | 536.4  | 534.2  | 533.7  | 525.7 | 486.8 | 351.9 |
| 50°    | 589.9  | 590.5  | 587.4  | 588.5  | 587.2  | 584.4  | 582.5  | 583.6  | 564.7 | 510.9 | 349.1 |
| 52.5°  | 629.1  | 629.1  | 627.8  | 629.1  | 628.6  | 627.2  | 628.8  | 646.7  | 607.5 | 544.9 | 345.0 |
| 55°    | 674.7  | 676.3  | 675.2  | 676.6  | 677.4  | 680.4  | 687.3  | 729.0  | 671.4 | 586.6 | 335.7 |
| 57.5°  | 741.3  | 745.4  | 744.3  | 749.8  | 754.8  | 762.7  | 787.6  | 831.5  | 750.6 | 632.4 | 317.3 |
| 60°    | 860.9  | 874.3  | 873.8  | 883.4  | 893.2  | 902.3  | 945.9  | 954.4  | 840.3 | 692.2 | 303.6 |
| 62.5°  | 1060.0 | 1070.9 | 1075.6 | 1086.0 | 1092.3 | 1094.0 | 1129.1 | 1066.8 | 920.4 | 746.5 | 295.9 |
| 65°    | 1188.9 | 1193.3 | 1197.4 | 1196.0 | 1192.2 | 1185.9 | 1188.0 | 1056.4 | 893.8 | 711.7 | 254.0 |
| 67°    | 1204.2 | 1213.3 | 1216.6 | 1214.4 | 1208.6 | 1199.9 | 1189.1 | 1009.2 | 837.3 | 657.4 | 214.8 |
| 67.5°  | 1199.9 | 1209.2 | 1212.2 | 1210.3 | 1205.3 | 1198.8 | 1186.1 | 991.4  | 818.1 | 639.8 | 204.6 |
| 70°    | 1129.4 | 1142.8 | 1155.2 | 1159.3 | 1159.5 | 1158.4 | 1145.8 | 865.5  | 696.3 | 537.3 | 155.2 |
| 72.5°  | 962.9  | 980.2  | 1006.0 | 997.7  | 1010.9 | 1002.4 | 973.6  | 591.5  | 477.2 | 383.9 | 108.9 |
| 75°    | 649.7  | 657.4  | 678.2  | 654.4  | 656.6  | 641.5  | 529.6  | 343.6  | 295.9 | 249.8 | 65.6  |
| 77.5°  | 326.9  | 331.9  | 328.6  | 314.3  | 308.8  | 296.5  | 229.3  | 74.6   | 74.6  | 88.9  | 34.3  |
| 80°    | 207.3  | 209.2  | 211.4  | 214.8  | 218.9  | 219.4  | 159.1  | 22.0   | 19.7  | 20.6  | 18.6  |
| 82.5°  | 170.0  | 175.3  | 182.1  | 183.5  | 185.1  | 186.5  | 109.7  | 12.1   | 9.9   | 11.0  | 13.2  |
| 85°    | 39.5   | 42.8   | 40.9   | 36.2   | 38.7   | 29.9   | 15.3   | 4.9    | 4.4   | 5.5   | 9.1   |
| 87.5°  | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.1   | 1.9   | 4.7   |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   |
| 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°    | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    | 0.2   | 0.2   | 0.2   |
| 97.5°  | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5   | 0.5   | 0.5   |
| 100°   | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6   | 1.6   | 1.6   |
| 102.5° | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8   | 2.8   | 2.8   |
| 105°   | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8   | 3.8   | 3.8   |
| 107.5° | 4.8    | 4.8    | 4.8    | 4.8    | 4.8    | 4.8    | 4.8    | 4.8    | 4.8   | 4.8   | 4.8   |



REPORT NUMBER: P173605

CATALOG NUMBER: ENT-FXX-LED-E1-BL3-7060-ULG-CWB

**CANDELA DISTRIBUTION (continued):**

|        | 65°  | 66°  | 67°  | 68°  | 69°  | 70°  | 75°  | 85°  | 90°  | 95°  | 105° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 110°   | 5.8  | 5.8  | 5.8  | 5.8  | 5.8  | 5.8  | 5.8  | 5.8  | 5.8  | 5.8  | 5.8  |
| 112.5° | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  |
| 115°   | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  |
| 117.5° | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  |
| 120°   | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| 122.5° | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 |
| 125°   | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 |
| 127.5° | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 |
| 130°   | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 |
| 132.5° | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 |
| 135°   | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 |
| 137.5° | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| 140°   | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 |
| 142.5° | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 |
| 145°   | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 147.5° | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 |
| 150°   | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 |
| 152.5° | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 |
| 155°   | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 157.5° | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| 160°   | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 162.5° | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 |
| 165°   | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 |
| 167.5° | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| 170°   | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 172.5° | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| 175°   | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 177.5° | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| 180°   | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |



REPORT NUMBER: P173605

CATALOG NUMBER: ENT-FXX-LED-E1-BL3-7060-ULG-CWB

**CANDELA DISTRIBUTION (continued):**

|        | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 159.6 | 159.6 | 159.6 | 159.6 | 159.6 | 159.6 | 159.6 | 159.6 |
| 2.5°   | 158.0 | 157.2 | 156.1 | 155.8 | 155.5 | 155.0 | 154.7 | 154.4 |
| 5°     | 158.8 | 157.2 | 155.5 | 154.4 | 153.9 | 153.3 | 152.8 | 152.8 |
| 7.5°   | 162.1 | 160.2 | 157.7 | 156.6 | 155.5 | 154.7 | 154.1 | 154.1 |
| 10°    | 167.6 | 165.4 | 162.4 | 161.0 | 159.6 | 158.8 | 158.3 | 157.7 |
| 12.5°  | 175.8 | 173.1 | 169.5 | 167.3 | 165.9 | 165.6 | 165.1 | 164.8 |
| 15°    | 185.9 | 182.9 | 179.1 | 176.9 | 174.7 | 174.2 | 173.6 | 173.3 |
| 17.5°  | 196.1 | 193.6 | 190.6 | 186.8 | 182.4 | 178.8 | 177.2 | 176.9 |
| 20°    | 207.6 | 206.5 | 201.8 | 193.4 | 183.7 | 176.4 | 173.3 | 173.3 |
| 22.5°  | 222.1 | 219.1 | 207.9 | 192.8 | 178.5 | 168.1 | 164.0 | 164.0 |
| 25°    | 238.1 | 227.9 | 207.0 | 186.8 | 169.2 | 156.3 | 150.8 | 150.8 |
| 27.5°  | 252.0 | 230.4 | 202.1 | 176.6 | 155.2 | 141.2 | 134.9 | 134.7 |
| 30°    | 263.0 | 229.0 | 193.4 | 162.4 | 138.8 | 122.9 | 115.7 | 115.7 |
| 32.5°  | 269.0 | 224.3 | 181.3 | 145.6 | 118.8 | 100.7 | 91.9  | 92.1  |
| 35°    | 270.7 | 216.4 | 165.4 | 123.4 | 94.6  | 76.8  | 68.8  | 68.8  |
| 37.5°  | 269.0 | 203.8 | 145.6 | 99.0  | 70.7  | 58.1  | 52.1  | 51.6  |
| 40°    | 263.5 | 184.8 | 119.3 | 72.4  | 52.6  | 45.3  | 42.8  | 42.2  |
| 42.5°  | 252.6 | 162.1 | 89.7  | 51.8  | 42.2  | 39.2  | 38.7  | 38.4  |
| 45°    | 235.3 | 131.4 | 62.3  | 40.6  | 37.8  | 37.0  | 37.0  | 36.7  |
| 47.5°  | 213.7 | 100.4 | 44.4  | 35.9  | 35.6  | 35.6  | 35.6  | 35.6  |
| 50°    | 189.5 | 71.0  | 36.2  | 34.0  | 33.7  | 34.3  | 34.5  | 34.5  |
| 52.5°  | 164.5 | 49.6  | 33.2  | 32.6  | 32.1  | 32.9  | 33.2  | 33.2  |
| 55°    | 137.4 | 38.9  | 31.8  | 31.3  | 30.4  | 30.7  | 31.3  | 31.3  |
| 57.5°  | 109.4 | 34.5  | 31.3  | 30.4  | 28.8  | 28.8  | 29.3  | 29.3  |
| 60°    | 86.9  | 33.2  | 31.0  | 29.1  | 26.9  | 26.9  | 27.4  | 27.7  |
| 62.5°  | 72.7  | 32.9  | 31.0  | 27.7  | 26.1  | 25.2  | 25.8  | 25.8  |
| 65°    | 60.6  | 32.9  | 30.2  | 27.7  | 24.7  | 23.6  | 24.1  | 24.1  |
| 67°    | 50.7  | 32.4  | 29.6  | 27.7  | 24.1  | 22.8  | 22.8  | 22.8  |
| 67.5°  | 48.0  | 32.1  | 29.9  | 27.7  | 23.9  | 22.5  | 22.2  | 22.2  |
| 70°    | 35.9  | 29.1  | 29.9  | 28.0  | 23.3  | 20.6  | 20.0  | 20.0  |
| 72.5°  | 28.0  | 26.6  | 29.1  | 28.8  | 22.8  | 18.9  | 17.8  | 17.5  |
| 75°    | 22.8  | 24.1  | 29.3  | 28.0  | 21.4  | 17.3  | 15.6  | 15.3  |
| 77.5°  | 19.5  | 20.6  | 24.7  | 22.5  | 17.8  | 15.3  | 13.7  | 13.4  |
| 80°    | 15.3  | 17.5  | 17.5  | 15.3  | 13.2  | 12.3  | 11.5  | 11.5  |
| 82.5°  | 12.3  | 13.4  | 11.5  | 10.4  | 9.9   | 9.6   | 9.1   | 9.1   |
| 85°    | 10.1  | 11.0  | 8.5   | 7.7   | 7.4   | 7.1   | 6.6   | 6.6   |
| 87.5°  | 8.0   | 6.9   | 4.4   | 4.1   | 4.1   | 3.9   | 3.9   | 4.1   |
| 90°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 92.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 95°    | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |
| 97.5°  | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   |
| 100°   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   |
| 102.5° | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   |
| 105°   | 3.8   | 3.8   | 3.8   | 3.8   | 3.8   | 3.8   | 3.8   | 3.8   |
| 107.5° | 4.8   | 4.8   | 4.8   | 4.8   | 4.8   | 4.8   | 4.8   | 4.8   |



REPORT NUMBER: P173605

CATALOG NUMBER: ENT-FXX-LED-E1-BL3-7060-ULG-CWB

**CANDELA DISTRIBUTION (continued):**

|        | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|------|------|------|------|------|------|------|------|
| 110°   | 5.8  | 5.8  | 5.8  | 5.8  | 5.8  | 5.8  | 5.8  | 5.8  |
| 112.5° | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  |
| 115°   | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  |
| 117.5° | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  |
| 120°   | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| 122.5° | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 |
| 125°   | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 |
| 127.5° | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 |
| 130°   | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 |
| 132.5° | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 |
| 135°   | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 |
| 137.5° | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| 140°   | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 |
| 142.5° | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 |
| 145°   | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 147.5° | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 |
| 150°   | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 |
| 152.5° | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 |
| 155°   | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 157.5° | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| 160°   | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 162.5° | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 |
| 165°   | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 |
| 167.5° | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| 170°   | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 172.5° | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| 175°   | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 177.5° | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| 180°   | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |

(END OF REPORT)