

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: P173757

Luminaire Tested: **ENV-EXX-LED-E1-GZW-7030-ULG-CWB**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P173757  
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: ENV-EXX-LED-E1-GZW-7030-ULG-CWB  
Description: ENTRI LED LUMINAIRE WITH UPLIGHT, EMERGENCY MODE  
LIGHTBARS WITH AccuLED OPTICS - WALL GRAZER WIDE  
Light Source: (42) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1749.1 lumens  
Efficiency: N/A  
Efficacy: 318.0 lumens/watt  
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')  
IES Classification: Type I - Short - Semi-Cutoff  
BUG Rating: B1 - 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



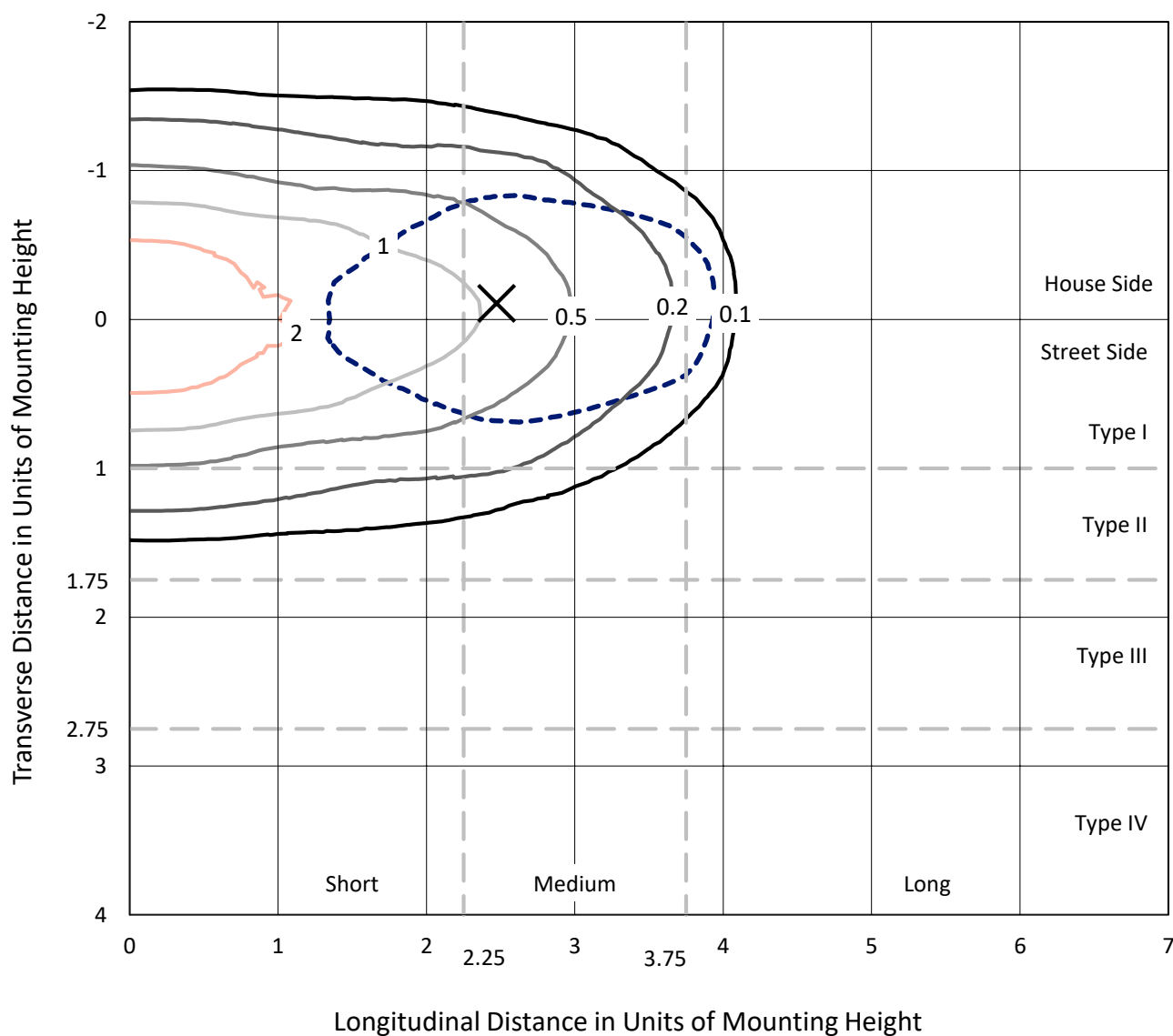
REPORT NUMBER: P173757

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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

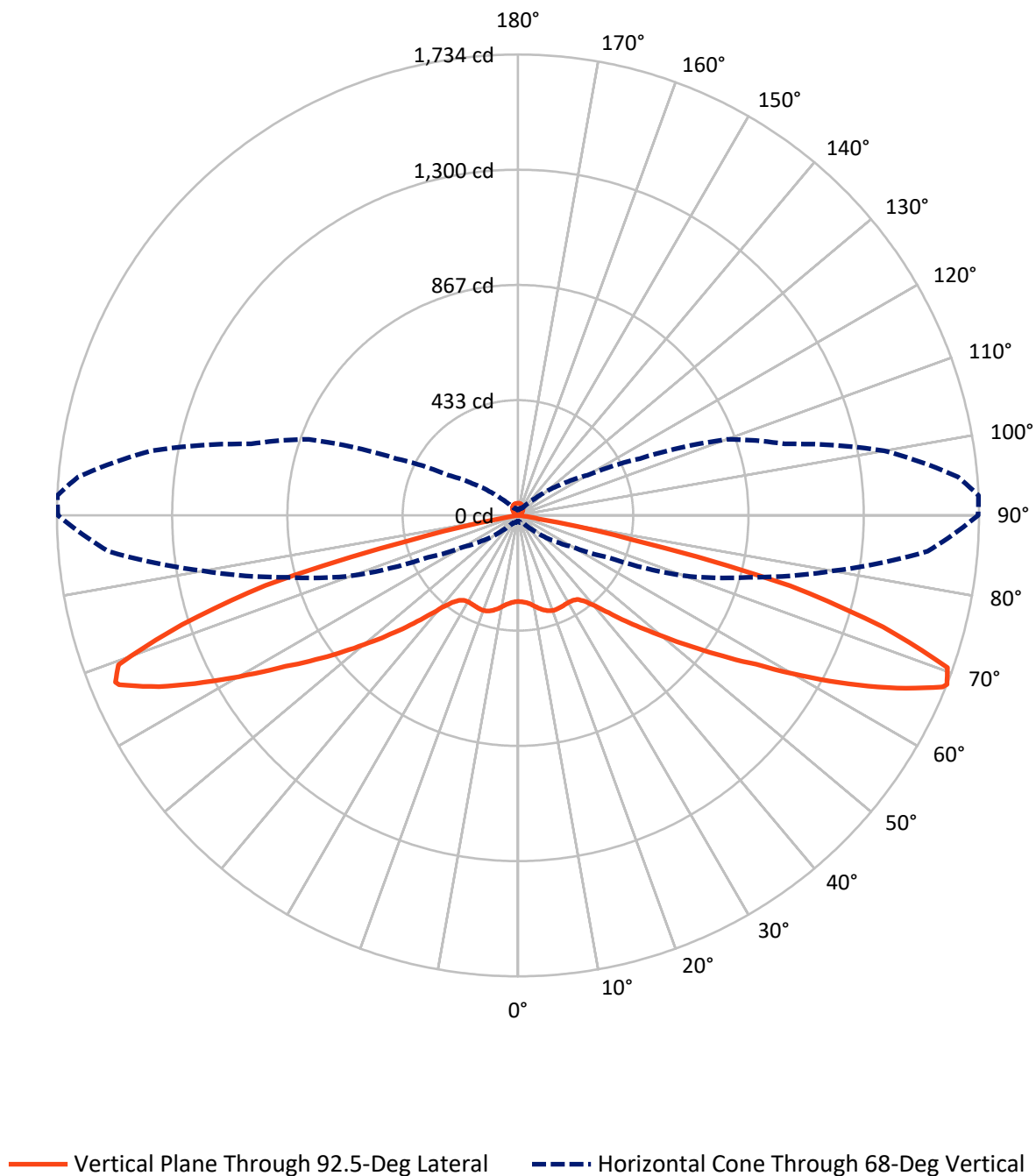


Based on 10 foot mounting height. Maximum calculated value = 3.3 fc  
Type I - Short - Semi-Cutoff

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## Luminous Intensity Polar Plot



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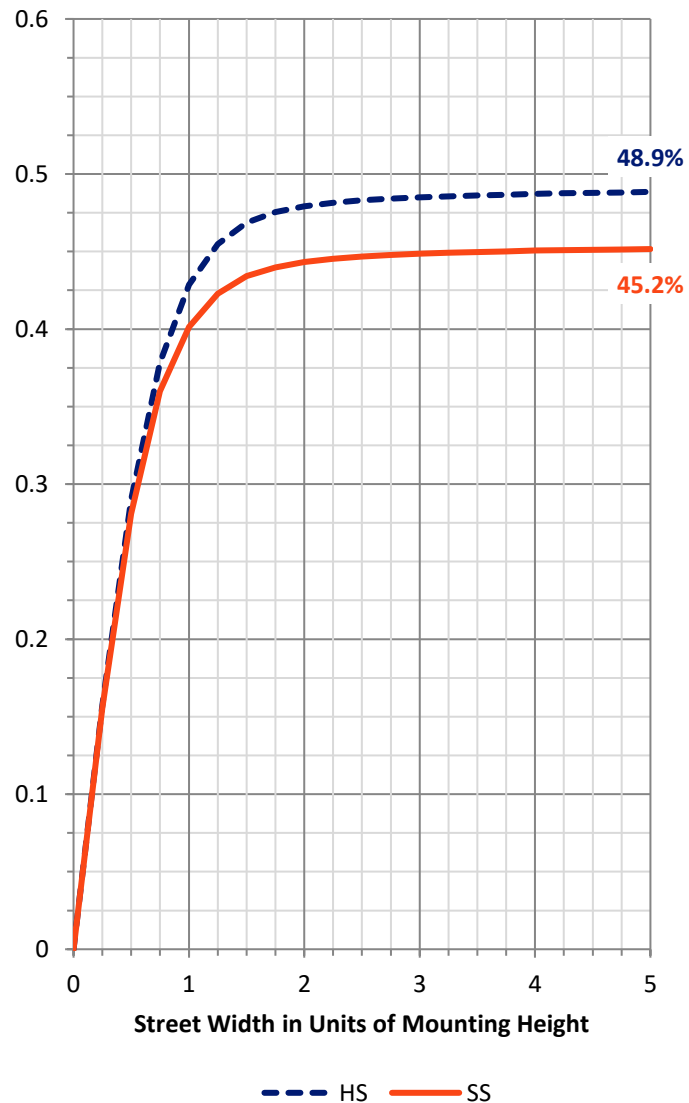
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 860.4    | 51.1   | 911.5  |
|                    | % Fixture | 49.2     | 2.9    | 52.1   |
| <b>Street Side</b> | Lumens    | 786.6    | 51.1   | 837.7  |
|                    | % Fixture | 45.0     | 2.9    | 47.9   |
| <b>Total</b>       | Lumens    | 1647.0   | 102.1  | 1749.1 |
|                    | % Fixture | 94.2     | 5.8    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 31.8   | 1.8       |
| 10°-20°   | 100.7  | 5.8       |
| 20°-30°   | 163.3  | 9.3       |
| 30°-40°   | 203.0  | 11.6      |
| 40°-50°   | 252.4  | 14.4      |
| 50°-60°   | 310.5  | 17.8      |
| 60°-70°   | 367.1  | 21.0      |
| 70°-80°   | 205.6  | 11.8      |
| 80°-90°   | 12.5   | 0.7       |
| 90°-100°  | 0.4    | 0.0       |
| 100°-110° | 4.0    | 0.2       |
| 110°-120° | 8.2    | 0.5       |
| 120°-130° | 13.9   | 0.8       |
| 130°-140° | 19.4   | 1.1       |
| 140°-150° | 21.2   | 1.2       |
| 150°-160° | 18.4   | 1.1       |
| 160°-170° | 12.4   | 0.7       |
| 170°-180° | 4.3    | 0.2       |
| 0°-90°    | 1647.0 | 94.2      |
| 0°-180°   | 1749.1 | 100.0     |

**Coefficient of Utilization**



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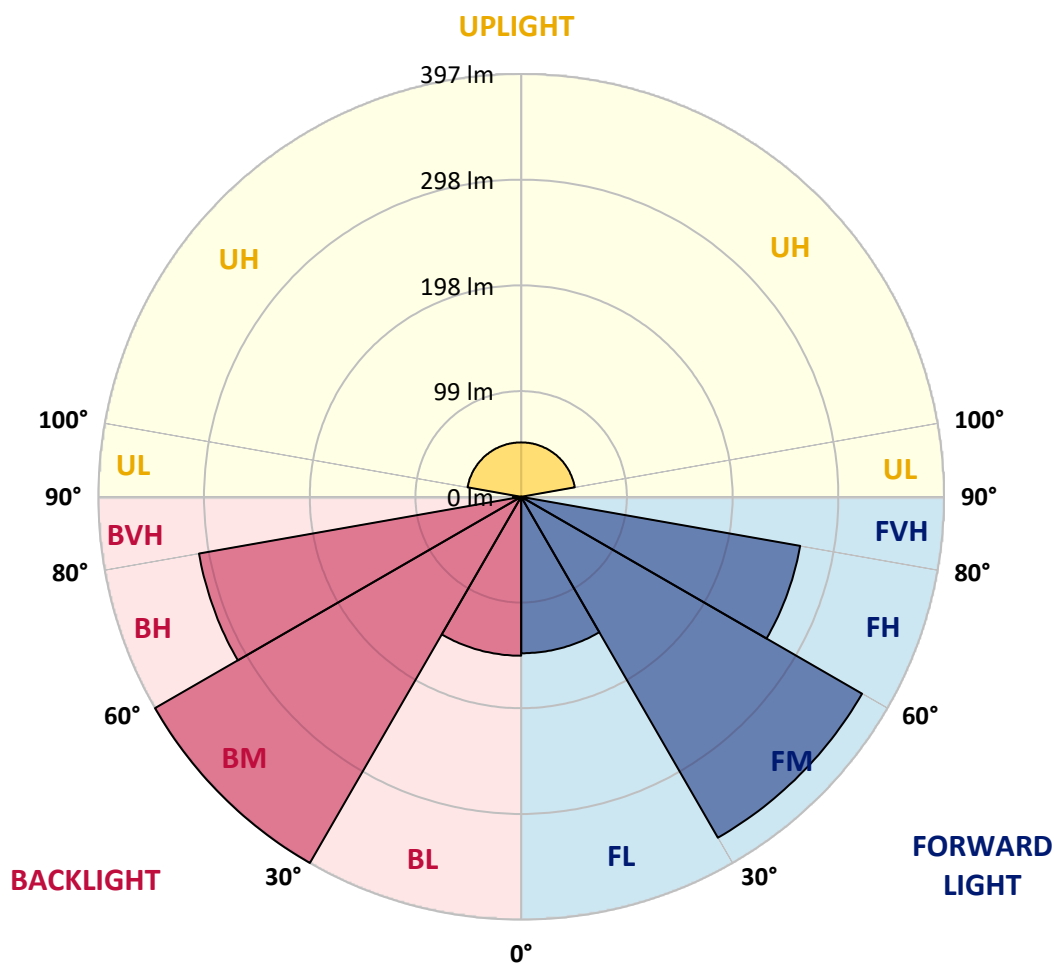
CATALOG NUMBER: ENV-EXX-LED-E1-GZW-7030-ULG-CWB

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |        |        |
|------|-------------|--------|-----------|-------------------------|--------|--------|
|      |             |        |           | B                       | U      | G      |
| FL   | (0°-30°)    | 146.8  | 8.4       |                         |        |        |
| FM   | (30°-60°)   | 369.3  | 21.1      |                         |        |        |
| FH   | (60°-80°)   | 265.8  | 15.2      |                         |        | G0/660 |
| FVH  | (80°-90°)   | 4.8    | 0.3       |                         |        | G0/10  |
| BL   | (0°-30°)    | 149.1  | 8.5       | B1/500                  |        |        |
| BM   | (30°-60°)   | 396.7  | 22.7      | B1/1000                 |        |        |
| BH   | (60°-80°)   | 306.9  | 17.5      | B1/500                  |        | G1/500 |
| BVH  | (80°-90°)   | 7.7    | 0.4       |                         |        | G0/10  |
| UL   | (90°-100°)  | 0.4    | 0.0       |                         | U1/10  |        |
| UH   | (100°-180°) | 51.1   | 2.9       |                         | U3/500 |        |

**BUG Rating: B1-U3-G1**

Type I Short



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 323.8 | 323.8 | 323.8 | 323.8 | 323.8 | 323.8 | 323.8 | 323.8 | 323.8 | 323.8 | 323.8 |
| 2.5°   | 325.3 | 325.3 | 325.3 | 325.6 | 325.9 | 326.4 | 326.2 | 326.8 | 325.9 | 327.1 | 327.1 |
| 5°     | 329.1 | 329.4 | 329.7 | 329.7 | 330.3 | 330.6 | 330.3 | 331.2 | 330.3 | 331.5 | 331.8 |
| 7.5°   | 332.7 | 332.7 | 333.0 | 333.2 | 333.9 | 334.4 | 334.7 | 335.6 | 335.3 | 336.5 | 337.7 |
| 10°    | 335.3 | 335.0 | 335.3 | 335.9 | 337.4 | 338.3 | 339.5 | 340.7 | 341.2 | 342.4 | 344.2 |
| 12.5°  | 336.5 | 336.2 | 337.1 | 338.6 | 340.1 | 341.8 | 343.6 | 346.3 | 348.0 | 349.8 | 352.5 |
| 15°    | 335.9 | 335.9 | 337.1 | 338.9 | 341.8 | 345.1 | 348.3 | 351.9 | 355.1 | 359.0 | 361.6 |
| 17.5°  | 330.3 | 330.9 | 332.7 | 335.6 | 340.1 | 345.1 | 350.4 | 356.3 | 361.6 | 367.0 | 370.5 |
| 20°    | 320.3 | 320.8 | 324.1 | 327.6 | 333.6 | 341.0 | 349.2 | 357.8 | 366.1 | 373.2 | 378.2 |
| 22.5°  | 307.8 | 307.3 | 310.2 | 314.9 | 322.9 | 331.8 | 342.4 | 355.1 | 366.4 | 376.4 | 383.5 |
| 25°    | 288.6 | 288.6 | 291.9 | 297.8 | 306.3 | 317.3 | 330.3 | 346.6 | 361.6 | 374.7 | 384.7 |
| 27.5°  | 268.2 | 268.5 | 272.6 | 277.7 | 287.4 | 297.8 | 312.9 | 331.8 | 350.1 | 367.3 | 382.0 |
| 30°    | 247.8 | 248.7 | 252.2 | 257.3 | 267.6 | 278.6 | 293.9 | 312.6 | 332.4 | 353.7 | 373.8 |
| 32.5°  | 226.8 | 228.0 | 230.9 | 236.9 | 248.1 | 260.2 | 275.9 | 292.5 | 311.4 | 334.7 | 360.8 |
| 35°    | 207.0 | 207.9 | 210.3 | 217.3 | 228.9 | 241.9 | 259.3 | 275.3 | 294.5 | 316.1 | 344.8 |
| 37.5°  | 188.4 | 189.2 | 191.9 | 199.3 | 210.8 | 223.8 | 241.0 | 259.0 | 278.9 | 300.2 | 328.5 |
| 40°    | 168.3 | 170.3 | 173.9 | 181.0 | 191.6 | 206.4 | 223.8 | 242.8 | 263.8 | 288.0 | 317.0 |
| 42.5°  | 149.9 | 151.7 | 155.0 | 161.2 | 171.8 | 187.5 | 205.8 | 225.3 | 248.1 | 275.6 | 308.4 |
| 45°    | 133.1 | 134.6 | 137.8 | 143.4 | 154.7 | 167.1 | 183.6 | 204.0 | 227.7 | 259.3 | 299.3 |
| 47.5°  | 116.8 | 118.3 | 121.8 | 128.6 | 137.8 | 149.9 | 164.7 | 182.8 | 204.6 | 236.9 | 281.8 |
| 50°    | 100.5 | 102.0 | 105.6 | 112.4 | 121.2 | 133.1 | 146.7 | 162.9 | 184.5 | 212.3 | 256.4 |
| 52.5°  | 82.8  | 84.3  | 87.8  | 94.6  | 103.2 | 114.4 | 128.3 | 145.2 | 165.3 | 191.6 | 228.0 |
| 55°    | 63.6  | 65.7  | 68.9  | 74.5  | 83.7  | 94.9  | 108.8 | 127.1 | 147.6 | 173.3 | 207.0 |
| 57.5°  | 45.8  | 47.3  | 51.2  | 55.6  | 63.3  | 75.1  | 87.5  | 106.5 | 129.2 | 155.5 | 188.9 |
| 60°    | 33.4  | 34.9  | 37.6  | 41.1  | 46.4  | 55.0  | 66.0  | 83.7  | 108.8 | 138.4 | 172.7 |
| 62.5°  | 27.8  | 29.0  | 31.6  | 35.2  | 38.1  | 42.3  | 48.8  | 62.4  | 86.9  | 119.8 | 155.8 |
| 65°    | 24.5  | 25.4  | 27.8  | 31.3  | 33.7  | 35.5  | 38.1  | 47.3  | 67.4  | 99.7  | 139.3 |
| 67.5°  | 21.9  | 22.8  | 24.5  | 27.5  | 30.2  | 31.0  | 32.5  | 38.7  | 52.9  | 81.0  | 121.8 |
| 68°    | 21.6  | 22.5  | 24.0  | 26.6  | 29.3  | 30.2  | 31.6  | 37.8  | 51.4  | 77.2  | 117.1 |
| 70°    | 20.1  | 20.7  | 22.2  | 24.2  | 26.3  | 26.9  | 28.7  | 34.9  | 48.2  | 67.4  | 94.9  |
| 72.5°  | 18.3  | 18.6  | 19.5  | 21.3  | 23.4  | 23.7  | 25.4  | 30.5  | 37.8  | 49.7  | 70.7  |
| 75°    | 15.4  | 15.7  | 16.9  | 18.3  | 19.5  | 20.1  | 20.7  | 23.1  | 25.7  | 30.8  | 41.7  |
| 77.5°  | 11.8  | 12.4  | 13.3  | 14.2  | 16.0  | 16.5  | 16.0  | 17.7  | 18.9  | 21.0  | 25.4  |
| 80°    | 7.1   | 7.1   | 8.0   | 8.9   | 9.7   | 11.2  | 10.7  | 12.4  | 13.3  | 14.5  | 17.2  |
| 82.5°  | 1.2   | 1.5   | 1.5   | 2.1   | 2.7   | 3.2   | 3.6   | 4.4   | 5.6   | 6.8   | 9.2   |
| 85°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.3   | 0.3   | 0.9   |
| 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°    | 0.0   | 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   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°   | 5°   | 10°  | 15°  | 20°  | 25°  | 30°  | 35°  | 40°  | 45°  | 50°  |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 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 |

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**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°    | 85°    | 90°    | 92.5°  | 95°    | 100°   |
|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 0°     | 323.8 | 323.8 | 323.8 | 323.8 | 323.8 | 323.8  | 323.8  | 323.8  | 323.8  | 323.8  | 323.8  |
| 2.5°   | 325.3 | 326.2 | 326.2 | 325.9 | 325.9 | 325.9  | 325.0  | 325.3  | 325.6  | 326.4  | 325.3  |
| 5°     | 330.0 | 330.9 | 330.6 | 330.3 | 330.3 | 330.3  | 329.1  | 329.4  | 329.7  | 330.3  | 329.1  |
| 7.5°   | 336.2 | 337.1 | 337.4 | 337.4 | 337.4 | 338.0  | 336.2  | 336.2  | 336.8  | 337.4  | 335.6  |
| 10°    | 345.4 | 345.4 | 346.3 | 346.9 | 347.5 | 348.0  | 346.9  | 346.3  | 347.5  | 347.5  | 345.4  |
| 12.5°  | 354.0 | 354.6 | 356.0 | 357.2 | 357.5 | 358.7  | 358.7  | 358.4  | 359.3  | 359.0  | 356.6  |
| 15°    | 363.7 | 364.3 | 365.5 | 367.0 | 367.3 | 368.4  | 368.4  | 368.7  | 369.6  | 370.2  | 366.7  |
| 17.5°  | 372.9 | 373.8 | 373.8 | 374.1 | 374.7 | 375.6  | 376.1  | 376.4  | 377.3  | 377.9  | 374.4  |
| 20°    | 380.6 | 381.5 | 380.0 | 378.8 | 377.6 | 378.2  | 379.4  | 380.6  | 381.2  | 381.5  | 377.0  |
| 22.5°  | 386.5 | 386.8 | 384.4 | 381.2 | 377.9 | 377.6  | 379.1  | 381.2  | 381.7  | 381.5  | 375.2  |
| 25°    | 389.7 | 390.6 | 388.3 | 383.2 | 377.3 | 375.2  | 376.7  | 379.4  | 380.6  | 379.4  | 372.0  |
| 27.5°  | 389.7 | 393.0 | 391.8 | 386.5 | 378.5 | 372.9  | 373.8  | 377.9  | 378.8  | 377.3  | 368.7  |
| 30°    | 386.8 | 393.6 | 395.1 | 391.8 | 383.5 | 373.8  | 372.6  | 377.3  | 378.5  | 375.9  | 367.3  |
| 32.5°  | 380.9 | 393.3 | 399.2 | 399.5 | 393.0 | 380.9  | 374.9  | 379.7  | 380.6  | 377.3  | 370.2  |
| 35°    | 372.6 | 393.0 | 404.5 | 410.1 | 408.1 | 396.0  | 385.6  | 388.5  | 388.0  | 384.4  | 381.7  |
| 37.5°  | 363.4 | 393.0 | 412.2 | 425.2 | 430.0 | 423.7  | 410.1  | 408.7  | 410.1  | 404.8  | 403.3  |
| 40°    | 353.4 | 393.9 | 423.2 | 446.2 | 460.4 | 462.5  | 450.4  | 446.2  | 448.0  | 443.0  | 445.0  |
| 42.5°  | 347.5 | 395.1 | 437.7 | 470.8 | 498.3 | 519.2  | 513.9  | 501.5  | 500.6  | 501.2  | 505.7  |
| 45°    | 344.5 | 398.0 | 452.1 | 498.6 | 537.0 | 583.7  | 588.8  | 566.6  | 567.7  | 571.0  | 577.8  |
| 47.5°  | 341.2 | 403.6 | 469.0 | 527.5 | 579.3 | 644.9  | 669.5  | 639.6  | 637.3  | 649.4  | 651.4  |
| 50°    | 329.4 | 410.4 | 488.2 | 560.1 | 623.7 | 713.8  | 752.6  | 722.1  | 722.7  | 733.9  | 729.8  |
| 52.5°  | 302.2 | 410.7 | 508.6 | 592.6 | 668.0 | 781.9  | 840.7  | 820.6  | 819.1  | 830.1  | 808.2  |
| 55°    | 264.6 | 392.1 | 525.2 | 624.5 | 710.0 | 845.1  | 931.8  | 936.2  | 933.2  | 935.0  | 887.7  |
| 57.5°  | 234.5 | 346.3 | 527.0 | 651.4 | 745.5 | 905.2  | 1025.2 | 1057.1 | 1057.4 | 1049.8 | 965.8  |
| 60°    | 215.0 | 294.8 | 503.9 | 673.6 | 786.9 | 981.7  | 1147.1 | 1218.6 | 1222.8 | 1191.4 | 1070.2 |
| 62.5°  | 198.7 | 268.8 | 456.3 | 696.4 | 834.5 | 1059.2 | 1278.3 | 1396.0 | 1396.3 | 1344.0 | 1185.2 |
| 65°    | 186.0 | 254.6 | 403.9 | 687.8 | 871.1 | 1134.3 | 1417.3 | 1574.7 | 1566.9 | 1509.3 | 1294.3 |
| 67.5°  | 171.8 | 241.9 | 379.7 | 674.5 | 902.5 | 1203.8 | 1539.7 | 1720.4 | 1722.5 | 1651.5 | 1395.4 |
| 68°    | 168.8 | 237.2 | 373.5 | 663.3 | 899.0 | 1201.4 | 1546.3 | 1730.2 | 1733.7 | 1660.7 | 1399.9 |
| 70°    | 145.5 | 207.0 | 325.0 | 579.3 | 835.1 | 1137.3 | 1504.8 | 1702.7 | 1713.6 | 1632.0 | 1350.5 |
| 72.5°  | 97.0  | 143.1 | 217.1 | 409.3 | 643.5 | 903.7  | 1231.9 | 1426.2 | 1435.4 | 1380.4 | 1121.6 |
| 75°    | 61.5  | 86.9  | 115.3 | 236.0 | 432.3 | 648.5  | 928.8  | 1042.1 | 1057.1 | 1039.1 | 839.8  |
| 77.5°  | 37.3  | 60.9  | 71.0  | 114.4 | 227.7 | 303.4  | 419.6  | 427.0  | 444.2  | 433.5  | 435.3  |
| 80°    | 24.5  | 42.3  | 51.7  | 77.8  | 79.0  | 65.4   | 74.2   | 74.8   | 79.3   | 84.3   | 87.8   |
| 82.5°  | 13.9  | 25.7  | 36.1  | 53.2  | 47.0  | 24.2   | 20.7   | 21.6   | 22.2   | 22.8   | 26.9   |
| 85°    | 2.1   | 4.7   | 10.1  | 16.5  | 16.9  | 8.0    | 7.4    | 6.8    | 7.1    | 7.7    | 9.7    |
| 87.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.3   | 0.6    | 0.9    | 0.9    | 0.9    | 1.8    | 1.8    |
| 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    |

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CATALOG NUMBER: ENV-EXX-LED-E1-GZW-7030-ULG-CWB

**CANDELA DISTRIBUTION (continued):**

|        | 55°  | 60°  | 65°  | 70°  | 75°  | 80°  | 85°  | 90°  | 92.5° | 95°  | 100° |
|--------|------|------|------|------|------|------|------|------|-------|------|------|
| 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 |

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**CANDELA DISTRIBUTION (continued):**

|        | 105°   | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 323.8  | 323.8 | 323.8 | 323.8 | 323.8 | 323.8 | 323.8 | 323.8 | 323.8 | 323.8 | 323.8 |
| 2.5°   | 325.0  | 324.7 | 325.0 | 324.1 | 325.0 | 324.7 | 324.7 | 324.7 | 324.4 | 324.7 | 324.7 |
| 5°     | 328.5  | 328.5 | 328.5 | 327.9 | 328.5 | 328.5 | 328.5 | 328.5 | 328.2 | 328.5 | 328.8 |
| 7.5°   | 335.3  | 335.3 | 335.0 | 334.2 | 334.7 | 334.7 | 334.4 | 333.9 | 333.2 | 333.6 | 333.2 |
| 10°    | 344.5  | 345.1 | 343.3 | 343.3 | 342.4 | 341.2 | 340.4 | 339.5 | 339.2 | 338.6 | 337.4 |
| 12.5°  | 355.7  | 355.4 | 353.1 | 352.2 | 351.6 | 349.2 | 347.5 | 346.6 | 345.4 | 343.9 | 342.1 |
| 15°    | 365.8  | 364.6 | 362.8 | 361.9 | 361.1 | 358.4 | 356.0 | 354.0 | 352.5 | 350.4 | 347.8 |
| 17.5°  | 372.6  | 371.4 | 370.5 | 370.2 | 370.2 | 367.9 | 365.8 | 363.1 | 359.9 | 356.0 | 351.6 |
| 20°    | 374.1  | 374.1 | 374.4 | 376.1 | 377.9 | 377.0 | 374.7 | 371.4 | 366.7 | 360.5 | 353.7 |
| 22.5°  | 372.0  | 373.2 | 375.9 | 380.3 | 384.1 | 384.4 | 382.0 | 377.3 | 369.3 | 360.5 | 350.4 |
| 25°    | 368.4  | 371.7 | 377.3 | 383.5 | 388.9 | 388.9 | 384.7 | 377.9 | 367.0 | 354.3 | 341.0 |
| 27.5°  | 366.7  | 373.2 | 381.2 | 387.7 | 391.2 | 389.2 | 381.7 | 372.0 | 356.9 | 340.7 | 325.3 |
| 30°    | 368.7  | 378.8 | 387.4 | 391.8 | 392.4 | 385.6 | 372.9 | 358.4 | 340.7 | 321.1 | 305.5 |
| 32.5°  | 376.4  | 388.5 | 395.1 | 396.0 | 391.8 | 379.1 | 359.3 | 339.2 | 319.4 | 301.3 | 285.4 |
| 35°    | 392.1  | 402.5 | 404.8 | 401.3 | 390.9 | 369.6 | 341.2 | 317.6 | 299.8 | 282.7 | 266.1 |
| 37.5°  | 417.6  | 422.3 | 417.8 | 407.5 | 388.0 | 358.1 | 324.7 | 301.6 | 282.7 | 265.8 | 247.5 |
| 40°    | 453.6  | 448.3 | 435.6 | 415.2 | 384.7 | 345.4 | 311.7 | 288.6 | 267.6 | 249.0 | 230.6 |
| 42.5°  | 498.6  | 479.9 | 453.6 | 424.0 | 381.2 | 337.1 | 302.2 | 275.6 | 252.5 | 231.8 | 212.6 |
| 45°    | 548.8  | 514.2 | 478.5 | 434.1 | 380.0 | 332.1 | 291.0 | 259.6 | 232.7 | 212.0 | 193.1 |
| 47.5°  | 600.0  | 550.6 | 503.6 | 445.0 | 381.5 | 323.2 | 273.8 | 238.6 | 210.5 | 190.4 | 172.7 |
| 50°    | 651.7  | 591.4 | 532.9 | 459.2 | 380.6 | 305.2 | 250.5 | 214.7 | 188.7 | 170.6 | 154.7 |
| 52.5°  | 703.8  | 634.9 | 563.0 | 471.9 | 368.7 | 276.8 | 224.7 | 194.3 | 169.1 | 151.7 | 136.0 |
| 55°    | 754.9  | 677.2 | 592.6 | 475.8 | 334.4 | 246.9 | 203.2 | 173.9 | 149.0 | 131.3 | 114.2 |
| 57.5°  | 803.4  | 715.3 | 613.3 | 453.3 | 292.2 | 223.6 | 183.9 | 155.2 | 128.9 | 108.5 | 91.7  |
| 60°    | 863.8  | 751.7 | 619.2 | 398.9 | 258.5 | 204.0 | 166.5 | 133.6 | 104.1 | 82.5  | 67.1  |
| 62.5°  | 929.7  | 801.1 | 610.0 | 346.9 | 238.6 | 186.9 | 144.9 | 108.2 | 79.5  | 58.5  | 47.0  |
| 65°    | 978.2  | 821.5 | 563.6 | 319.1 | 226.2 | 170.0 | 121.8 | 84.0  | 55.0  | 40.2  | 35.8  |
| 67.5°  | 1042.7 | 841.6 | 515.7 | 305.5 | 212.6 | 148.2 | 94.0  | 60.6  | 42.6  | 33.4  | 30.8  |
| 68°    | 1038.2 | 836.0 | 505.7 | 301.9 | 208.5 | 140.4 | 88.7  | 59.4  | 41.4  | 32.5  | 29.9  |
| 70°    | 978.2  | 767.1 | 439.1 | 267.6 | 172.7 | 109.4 | 76.3  | 54.1  | 38.1  | 29.6  | 27.2  |
| 72.5°  | 802.5  | 595.0 | 314.9 | 176.3 | 112.4 | 80.1  | 56.5  | 40.8  | 31.6  | 26.0  | 24.2  |
| 75°    | 568.0  | 372.0 | 157.9 | 101.4 | 70.7  | 46.4  | 31.9  | 26.3  | 23.4  | 20.7  | 20.7  |
| 77.5°  | 319.4  | 194.6 | 83.4  | 69.5  | 39.9  | 26.9  | 21.3  | 19.8  | 18.3  | 16.9  | 18.6  |
| 80°    | 104.1  | 101.4 | 61.5  | 47.6  | 27.8  | 19.8  | 16.5  | 15.7  | 14.8  | 13.3  | 16.5  |
| 82.5°  | 56.2   | 69.5  | 44.4  | 34.0  | 20.4  | 14.2  | 12.4  | 12.7  | 11.5  | 10.4  | 12.4  |
| 85°    | 25.1   | 33.1  | 29.6  | 23.7  | 12.7  | 8.0   | 6.5   | 7.7   | 6.8   | 6.2   | 5.9   |
| 87.5°  | 9.7    | 16.3  | 11.8  | 6.8   | 2.9   | 1.8   | 1.8   | 1.5   | 1.2   | 1.2   | 0.9   |
| 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   |

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REPORT N  
CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

|        | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |        |
|--------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 110°   | 5.8  | 5.8  | 5.8  | 5.8  | 5.8  | 5.8  | 5.8  | 5.8  | 5.8  | 5.8  | 5.8  | 0°     |
| 112.5° | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 2.5°   |
| 115°   | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 5°     |
| 117.5° | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 7.5°   |
| 120°   | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 10°    |
| 122.5° | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 12.5°  |
| 125°   | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15°    |
| 127.5° | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.5°  |
| 130°   | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20°    |
| 132.5° | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.5°  |
| 135°   | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25°    |
| 137.5° | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.5°  |
| 140°   | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 30°    |
| 142.5° | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.5°  |
| 145°   | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 35°    |
| 147.5° | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 37.5°  |
| 150°   | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 40°    |
| 152.5° | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 42.5°  |
| 155°   | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 45°    |
| 157.5° | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 47.5°  |
| 160°   | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 50°    |
| 162.5° | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 52.5°  |
| 165°   | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 55°    |
| 167.5° | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 57.5°  |
| 170°   | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 60°    |
| 172.5° | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 62.5°  |
| 175°   | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 65°    |
| 177.5° | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 67.5°  |
| 180°   | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 68°    |
|        |      |      |      |      |      |      |      |      |      |      |      | 70°    |
|        |      |      |      |      |      |      |      |      |      |      |      | 72.5°  |
|        |      |      |      |      |      |      |      |      |      |      |      | 75°    |
|        |      |      |      |      |      |      |      |      |      |      |      | 77.5°  |
|        |      |      |      |      |      |      |      |      |      |      |      | 80°    |
|        |      |      |      |      |      |      |      |      |      |      |      | 82.5°  |
|        |      |      |      |      |      |      |      |      |      |      |      | 85°    |
|        |      |      |      |      |      |      |      |      |      |      |      | 87.5°  |
|        |      |      |      |      |      |      |      |      |      |      |      | 90°    |
|        |      |      |      |      |      |      |      |      |      |      |      | 92.5°  |
|        |      |      |      |      |      |      |      |      |      |      |      | 95°    |
|        |      |      |      |      |      |      |      |      |      |      |      | 97.5°  |
|        |      |      |      |      |      |      |      |      |      |      |      | 100°   |
|        |      |      |      |      |      |      |      |      |      |      |      | 102.5° |
|        |      |      |      |      |      |      |      |      |      |      |      | 105°   |
|        |      |      |      |      |      |      |      |      |      |      |      | 107.5° |

NUMBER: P173757

NUMBER: ENV-EXX-LED-E1-GZW-7030-ULG-CWB

REPORT NUMBER: P

CATALOG NUMBER:

**DISTRIBUTION (continued):**

| 160°  | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|
| 323.8 | 323.8 | 323.8 | 323.8 | 323.8 |
| 323.8 | 323.8 | 323.5 | 323.2 | 322.6 |
| 327.9 | 327.9 | 327.6 | 327.4 | 326.8 |
| 332.4 | 332.1 | 331.8 | 331.5 | 330.9 |
| 337.1 | 336.5 | 336.5 | 336.8 | 336.5 |
| 341.8 | 341.0 | 340.1 | 339.8 | 340.7 |
| 346.6 | 344.8 | 343.3 | 343.0 | 343.0 |
| 349.2 | 346.3 | 343.6 | 342.7 | 342.7 |
| 348.6 | 343.3 | 339.8 | 338.0 | 338.3 |
| 343.0 | 335.6 | 330.9 | 328.5 | 327.6 |
| 331.2 | 322.3 | 316.4 | 313.1 | 313.5 |
| 313.5 | 304.0 | 297.5 | 295.7 | 293.9 |
| 292.5 | 283.0 | 276.5 | 272.6 | 272.9 |
| 271.8 | 261.4 | 255.5 | 251.0 | 250.5 |
| 252.0 | 240.7 | 233.6 | 230.4 | 229.8 |
| 232.4 | 220.6 | 214.1 | 211.1 | 209.1 |
| 214.4 | 203.7 | 196.1 | 191.6 | 190.7 |
| 196.7 | 184.5 | 176.8 | 173.6 | 172.7 |
| 176.5 | 165.0 | 158.2 | 155.5 | 155.0 |
| 158.5 | 147.6 | 141.9 | 138.4 | 137.2 |
| 141.1 | 130.7 | 124.2 | 121.0 | 120.3 |
| 122.7 | 112.4 | 105.6 | 102.9 | 100.5 |
| 102.6 | 91.7  | 84.9  | 80.1  | 78.4  |
| 79.3  | 69.5  | 62.4  | 59.2  | 55.9  |
| 56.8  | 48.2  | 42.6  | 39.9  | 37.6  |
| 40.2  | 34.6  | 31.0  | 28.4  | 26.9  |
| 33.1  | 30.5  | 26.6  | 24.2  | 23.1  |
| 29.3  | 26.6  | 23.7  | 21.6  | 20.7  |
| 28.7  | 26.0  | 23.1  | 21.0  | 20.4  |
| 26.3  | 23.7  | 21.0  | 19.5  | 18.9  |
| 23.4  | 21.3  | 18.9  | 17.5  | 16.9  |
| 20.1  | 18.0  | 16.5  | 15.4  | 14.5  |
| 17.7  | 14.8  | 14.2  | 13.0  | 12.4  |
| 14.8  | 13.3  | 12.1  | 11.2  | 10.7  |
| 12.1  | 10.1  | 8.6   | 7.7   | 7.4   |
| 6.8   | 6.2   | 5.0   | 3.9   | 3.6   |
| 0.6   | 0.3   | 0.3   | 0.0   | 0.0   |
| 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |
| 0.5   | 0.5   | 0.5   | 0.5   | 0.5   |
| 1.6   | 1.6   | 1.6   | 1.6   | 1.6   |
| 2.8   | 2.8   | 2.8   | 2.8   | 2.8   |
| 3.8   | 3.8   | 3.8   | 3.8   | 3.8   |
| 4.8   | 4.8   | 4.8   | 4.8   | 4.8   |

**CANDELA DISTRIBUTION:**

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

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ENV-EXX-LED-E1-GZW-7030-ULG-CWB

**TION (continued):**

| 165° | 170° | 175° | 180° |
|------|------|------|------|
| 5.8  | 5.8  | 5.8  | 5.8  |
| 6.9  | 6.9  | 6.9  | 6.9  |
| 8.1  | 8.1  | 8.1  | 8.1  |
| 9.6  | 9.6  | 9.6  | 9.6  |
| 11.3 | 11.3 | 11.3 | 11.3 |
| 13.2 | 13.2 | 13.2 | 13.2 |
| 15.5 | 15.5 | 15.5 | 15.5 |
| 17.9 | 17.9 | 17.9 | 17.9 |
| 20.4 | 20.4 | 20.4 | 20.4 |
| 22.8 | 22.8 | 22.8 | 22.8 |
| 25.2 | 25.2 | 25.2 | 25.2 |
| 27.6 | 27.6 | 27.6 | 27.6 |
| 29.9 | 29.9 | 29.9 | 29.9 |
| 32.1 | 32.1 | 32.1 | 32.1 |
| 34.0 | 34.0 | 34.0 | 34.0 |
| 35.6 | 35.6 | 35.6 | 35.6 |
| 37.3 | 37.3 | 37.3 | 37.3 |
| 38.8 | 38.8 | 38.8 | 38.8 |
| 40.0 | 40.0 | 40.0 | 40.0 |
| 41.1 | 41.1 | 41.1 | 41.1 |
| 42.2 | 42.2 | 42.2 | 42.2 |
| 43.2 | 43.2 | 43.2 | 43.2 |
| 44.0 | 44.0 | 44.0 | 44.0 |
| 44.4 | 44.4 | 44.4 | 44.4 |
| 44.5 | 44.5 | 44.5 | 44.5 |
| 44.9 | 44.9 | 44.9 | 44.9 |
| 45.5 | 45.5 | 45.5 | 45.5 |
| 45.7 | 45.7 | 45.7 | 45.7 |
| 45.6 | 45.6 | 45.6 | 45.6 |

(END OF REPORT)