

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: P89415

Luminaire Tested: **ENV-CXX-LED-E1-BL2-ULG-CWB**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P89415  
REPORT IS FROM IESNA LM-79-08 TEST DATA - UPLIGHT (P20107) AND DOWNLIGHT  
Test Lab: INNOVATION CENTER P2  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ENV-CXX-LED-E1-BL2-ULG-CWB  
Description: ENTRI LED LUMINAIRE WITH UPLIGHT, EMERGENCY MODE  
LIGHTBARS WITH AccuLED OPTICS - TYPE 2  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1248.2 lumens  
Efficiency: N/A  
Efficacy: 226.9 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')  
IES Classification: Type II - 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



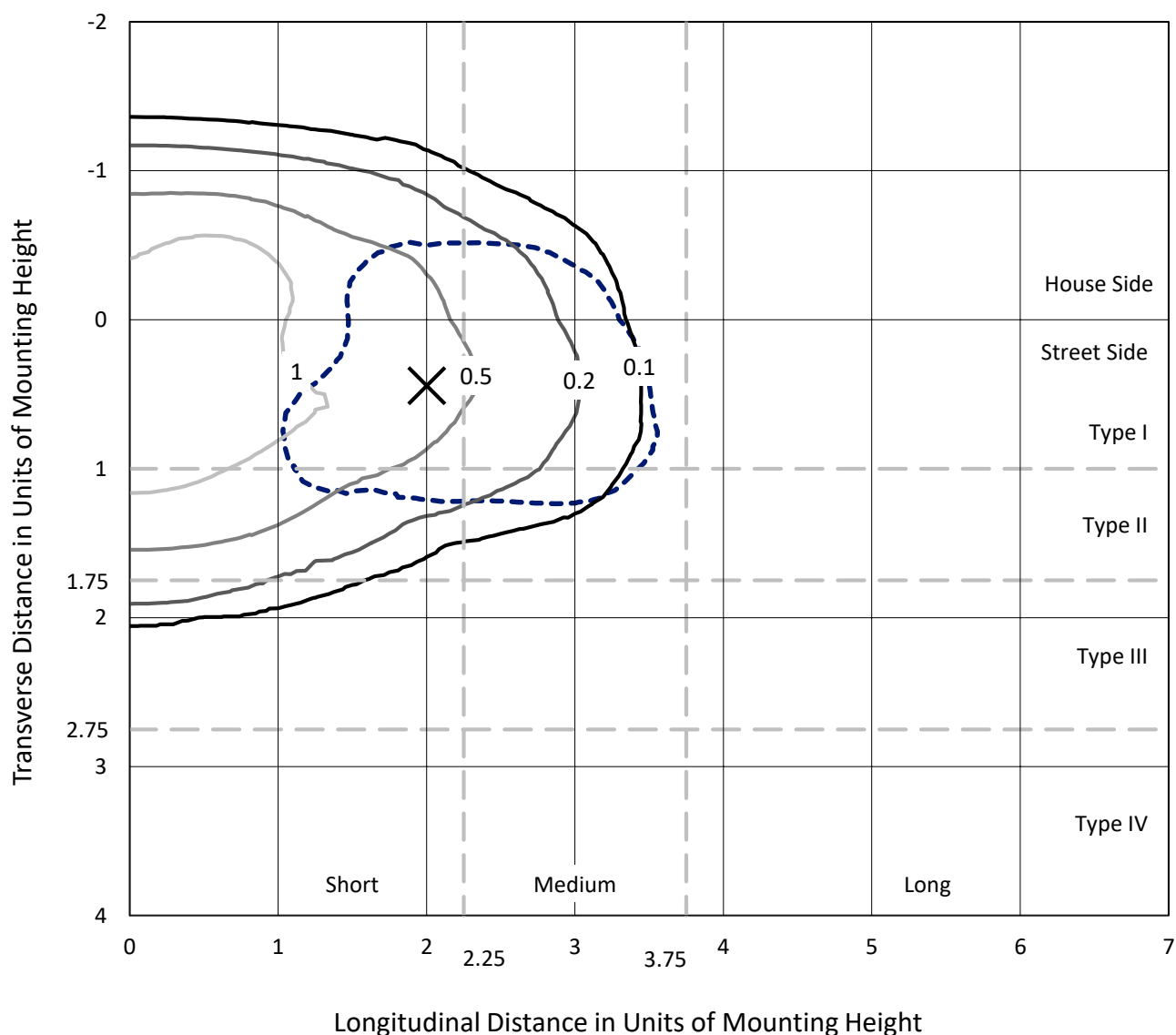
REPORT NUMBER: P89415

CATALOG NUMBER: ENV-CXX-LED-E1-BL2-ULG-CWB

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

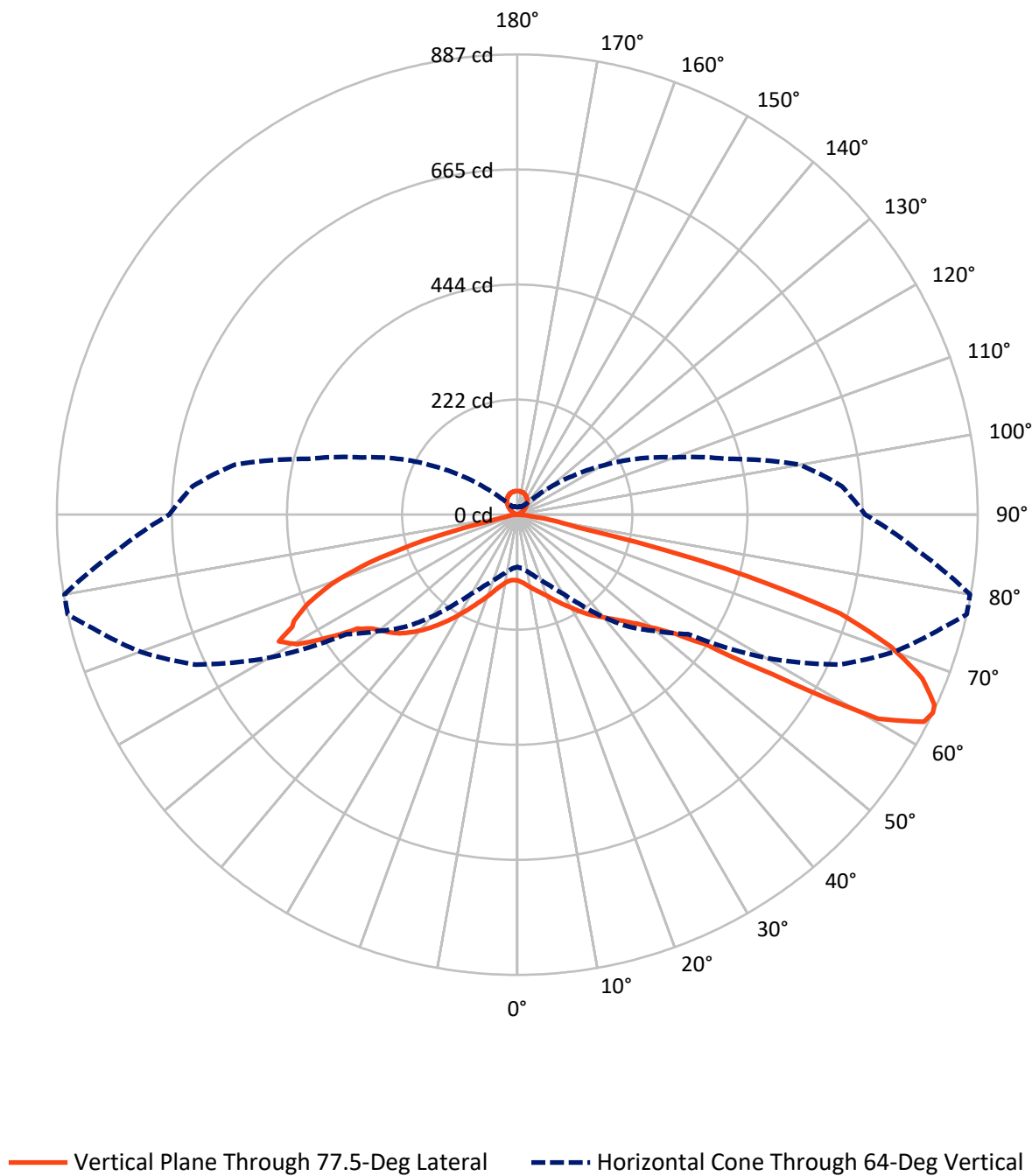


Based on 10 foot mounting height. Maximum calculated value = 1.5 fc  
Type II - Short - Semi-Cutoff

REPORT NUMBER: P89415

CATALOG NUMBER: ENV-CXX-LED-E1-BL2-ULG-CWB

## Luminous Intensity Polar Plot



REPORT NUMBER: P89415

CATALOG NUMBER: ENV-CXX-LED-E1-BL2-ULG-CWB

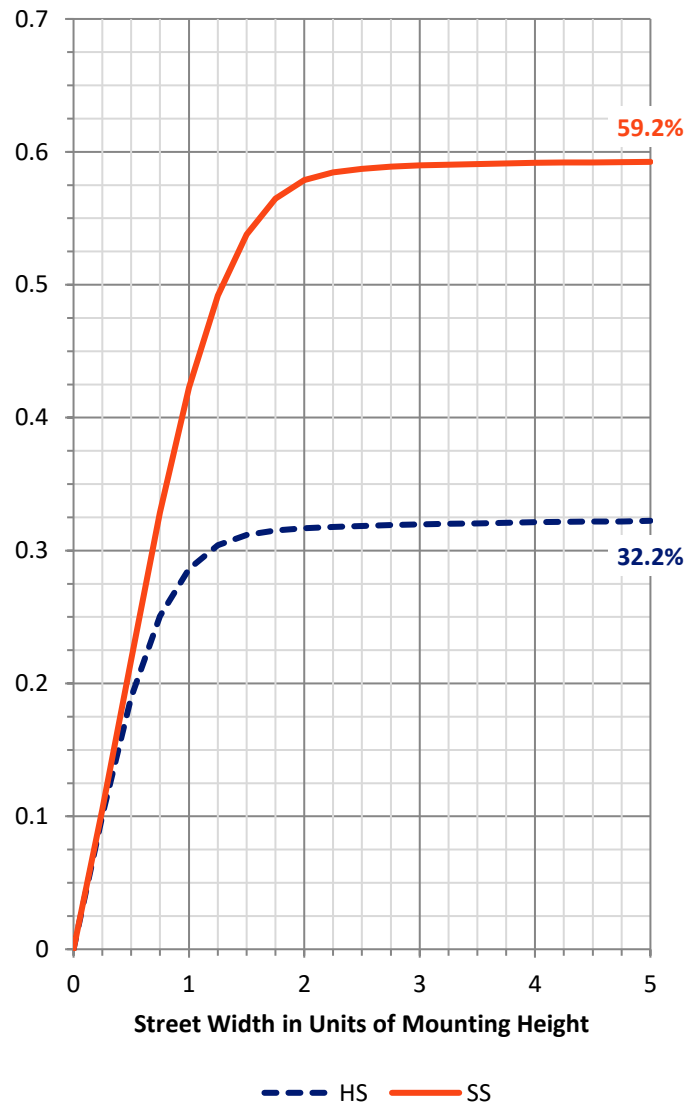
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 406.5    | 51.1   | 457.5  |
|                    | % Fixture | 32.6     | 4.1    | 36.7   |
| <b>Street Side</b> | Lumens    | 739.5    | 51.1   | 790.6  |
|                    | % Fixture | 59.3     | 4.1    | 63.3   |
| <b>Total</b>       | Lumens    | 1146.0   | 102.1  | 1248.2 |
|                    | % Fixture | 91.8     | 8.2    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 12.6   | 1.0       |
| 10°-20°   | 42.6   | 3.4       |
| 20°-30°   | 82.6   | 6.6       |
| 30°-40°   | 141.3  | 11.3      |
| 40°-50°   | 211.0  | 16.9      |
| 50°-60°   | 275.3  | 22.1      |
| 60°-70°   | 272.1  | 21.8      |
| 70°-80°   | 100.0  | 8.0       |
| 80°-90°   | 8.7    | 0.7       |
| 90°-100°  | 0.4    | 0.0       |
| 100°-110° | 4.0    | 0.3       |
| 110°-120° | 8.2    | 0.7       |
| 120°-130° | 13.9   | 1.1       |
| 130°-140° | 19.4   | 1.6       |
| 140°-150° | 21.2   | 1.7       |
| 150°-160° | 18.4   | 1.5       |
| 160°-170° | 12.4   | 1.0       |
| 170°-180° | 4.3    | 0.3       |
| 0°-90°    | 1146.0 | 91.8      |
| 0°-180°   | 1248.2 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P89415

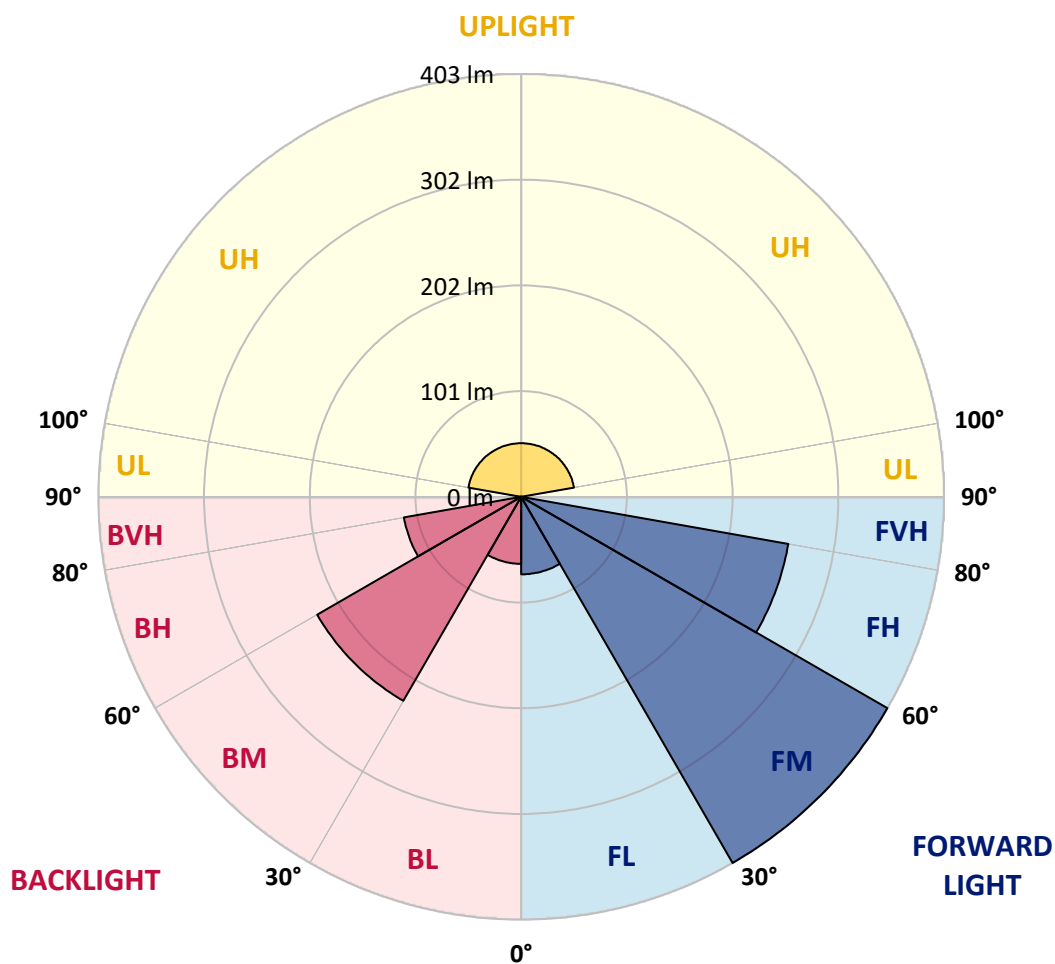
CATALOG NUMBER: ENV-CXX-LED-E1-BL2-ULG-CWB

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |        |        |
|------|-------------|--------|-----------|-------------------------|--------|--------|
|      |             |        |           | B                       | U      | G      |
| FL   | (0°-30°)    | 73.9   | 5.9       |                         |        |        |
| FM   | (30°-60°)   | 403.1  | 32.3      |                         |        |        |
| FH   | (60°-80°)   | 258.6  | 20.7      |                         |        | G0/660 |
| FVH  | (80°-90°)   | 4.0    | 0.3       |                         |        | G0/10  |
| BL   | (0°-30°)    | 63.9   | 5.1       | B0/110                  |        |        |
| BM   | (30°-60°)   | 224.5  | 18.0      | B1/1000                 |        |        |
| BH   | (60°-80°)   | 113.5  | 9.1       | B1/500                  |        | G1/500 |
| BVH  | (80°-90°)   | 4.6    | 0.4       |                         |        | G0/10  |
| UL   | (90°-100°)  | 0.4    | 0.0       |                         | U1/10  |        |
| UH   | (100°-180°) | 51.1   | 4.1       |                         | U3/500 |        |

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

Type II Short



REPORT NUMBER: P89415

CATALOG NUMBER: ENV-CXX-LED-E1-BL2-ULG-CWB

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 126.6 | 126.6 | 126.6 | 126.6 | 126.6 | 126.6 | 126.6 | 126.6 | 126.6 | 126.6 | 126.6 |
| 2.5°   | 134.0 | 133.4 | 133.7 | 133.1 | 133.1 | 133.1 | 133.1 | 132.4 | 132.7 | 132.7 | 132.1 |
| 5°     | 142.1 | 141.5 | 141.2 | 141.2 | 140.8 | 140.5 | 140.5 | 139.5 | 139.5 | 139.2 | 137.9 |
| 7.5°   | 150.5 | 149.9 | 149.9 | 149.6 | 149.3 | 148.3 | 148.3 | 147.3 | 147.0 | 146.3 | 145.0 |
| 10°    | 157.3 | 156.7 | 156.7 | 156.1 | 156.1 | 155.1 | 154.4 | 154.4 | 153.5 | 152.5 | 150.9 |
| 12.5°  | 163.8 | 163.5 | 163.5 | 162.5 | 162.2 | 160.9 | 160.6 | 159.9 | 159.3 | 158.0 | 156.4 |
| 15°    | 171.6 | 171.6 | 171.3 | 169.7 | 169.0 | 167.1 | 166.4 | 165.1 | 164.5 | 162.5 | 160.9 |
| 17.5°  | 179.7 | 179.4 | 179.4 | 177.4 | 176.1 | 174.2 | 172.9 | 170.9 | 169.0 | 166.4 | 165.1 |
| 20°    | 186.5 | 186.5 | 186.2 | 184.5 | 182.9 | 180.3 | 178.4 | 176.1 | 173.5 | 170.9 | 169.3 |
| 22.5°  | 190.7 | 190.0 | 189.7 | 188.8 | 187.8 | 185.2 | 183.2 | 181.3 | 178.7 | 175.8 | 173.9 |
| 25°    | 193.3 | 192.6 | 192.6 | 192.3 | 192.0 | 190.4 | 189.1 | 187.5 | 185.5 | 182.6 | 180.7 |
| 27.5°  | 197.8 | 197.5 | 197.8 | 198.5 | 199.1 | 198.8 | 197.8 | 197.2 | 195.6 | 193.0 | 191.3 |
| 30°    | 209.2 | 209.2 | 209.8 | 210.8 | 211.7 | 212.7 | 213.0 | 213.0 | 211.4 | 209.5 | 206.9 |
| 32.5°  | 229.2 | 229.5 | 230.2 | 231.8 | 233.8 | 234.1 | 234.1 | 233.8 | 232.8 | 231.2 | 226.6 |
| 35°    | 254.8 | 254.8 | 255.8 | 257.7 | 259.3 | 260.6 | 261.3 | 260.0 | 258.0 | 255.1 | 252.9 |
| 37.5°  | 281.7 | 281.7 | 282.6 | 285.6 | 287.2 | 288.1 | 288.8 | 288.5 | 286.9 | 283.3 | 280.1 |
| 40°    | 306.6 | 307.6 | 308.9 | 312.4 | 314.4 | 315.0 | 315.3 | 314.4 | 315.3 | 313.7 | 311.1 |
| 42.5°  | 327.0 | 328.3 | 329.6 | 332.2 | 334.8 | 336.1 | 337.4 | 338.3 | 341.6 | 342.5 | 342.2 |
| 45°    | 345.8 | 346.7 | 346.7 | 347.4 | 350.6 | 351.9 | 355.2 | 357.8 | 364.2 | 367.5 | 370.4 |
| 47.5°  | 360.0 | 361.6 | 361.0 | 360.7 | 363.9 | 364.6 | 367.1 | 373.0 | 381.7 | 388.2 | 395.6 |
| 50°    | 360.3 | 362.9 | 364.9 | 367.1 | 371.4 | 373.6 | 376.2 | 382.4 | 394.3 | 404.1 | 415.1 |
| 52.5°  | 353.2 | 356.8 | 359.4 | 363.3 | 371.0 | 376.5 | 382.4 | 388.5 | 399.8 | 415.1 | 431.6 |
| 55°    | 338.7 | 343.2 | 348.4 | 355.8 | 366.2 | 375.2 | 385.0 | 394.3 | 405.0 | 423.5 | 445.2 |
| 57.5°  | 303.7 | 307.9 | 315.3 | 327.3 | 344.5 | 362.6 | 382.0 | 398.9 | 411.8 | 430.0 | 456.2 |
| 60°    | 259.0 | 262.2 | 269.4 | 281.0 | 300.8 | 324.7 | 351.0 | 377.8 | 400.5 | 423.5 | 451.3 |
| 62.5°  | 204.3 | 205.3 | 208.5 | 214.7 | 227.9 | 248.0 | 276.2 | 314.4 | 347.7 | 379.1 | 412.1 |
| 64°    | 100.7 | 103.9 | 111.1 | 121.1 | 134.7 | 151.8 | 175.8 | 210.4 | 256.7 | 306.0 | 348.7 |
| 65°    | 88.1  | 90.0  | 97.5  | 107.5 | 123.0 | 139.5 | 162.9 | 198.8 | 244.1 | 295.6 | 341.6 |
| 67.5°  | 38.5  | 38.9  | 40.5  | 43.1  | 47.9  | 56.7  | 69.3  | 89.4  | 122.4 | 174.2 | 240.2 |
| 70°    | 23.3  | 23.0  | 24.0  | 24.6  | 26.5  | 29.5  | 34.3  | 45.3  | 64.8  | 89.7  | 136.3 |
| 72.5°  | 16.2  | 16.2  | 16.2  | 16.2  | 17.2  | 17.8  | 19.1  | 21.4  | 27.2  | 45.0  | 82.9  |
| 75°    | 11.7  | 11.3  | 12.3  | 12.6  | 13.3  | 13.3  | 13.9  | 14.6  | 16.5  | 20.7  | 38.9  |
| 77.5°  | 8.4   | 8.1   | 8.4   | 8.7   | 9.1   | 9.4   | 10.0  | 11.0  | 12.6  | 14.6  | 18.5  |
| 80°    | 3.2   | 2.9   | 3.6   | 3.9   | 4.5   | 4.9   | 5.2   | 6.2   | 7.8   | 8.7   | 10.4  |
| 82.5°  | 1.0   | 0.6   | 1.0   | 1.0   | 1.3   | 1.3   | 1.9   | 2.3   | 2.9   | 3.9   | 5.5   |
| 85°    | 0.6   | 0.3   | 0.6   | 0.6   | 1.0   | 1.0   | 1.0   | 1.0   | 1.3   | 1.3   | 1.9   |
| 87.5°  | 0.6   | 0.3   | 0.6   | 0.6   | 0.6   | 0.6   | 1.0   | 1.0   | 1.3   | 1.0   | 1.3   |
| 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: P89415

CATALOG NUMBER: ENV-CXX-LED-E1-BL2-ULG-CWB

**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 |

REPORT NUMBER: P89415

CATALOG NUMBER: ENV-CXX-LED-E1-BL2-ULG-CWB

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 77.5° | 80°   | 85°   | 90°   | 95°   | 100°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 126.6 | 126.6 | 126.6 | 126.6 | 126.6 | 126.6 | 126.6 | 126.6 | 126.6 | 126.6 | 126.6 |
| 2.5°   | 131.4 | 131.4 | 130.8 | 130.2 | 129.8 | 129.5 | 128.5 | 128.2 | 128.2 | 127.2 | 126.9 |
| 5°     | 137.0 | 136.3 | 135.7 | 134.4 | 133.4 | 132.7 | 132.1 | 130.5 | 129.5 | 128.9 | 127.2 |
| 7.5°   | 143.4 | 142.8 | 141.8 | 139.5 | 138.2 | 137.6 | 136.6 | 134.4 | 133.1 | 132.1 | 129.8 |
| 10°    | 149.6 | 148.6 | 147.3 | 145.0 | 143.4 | 142.5 | 141.2 | 138.9 | 137.0 | 135.7 | 133.7 |
| 12.5°  | 155.1 | 154.4 | 152.8 | 150.2 | 148.6 | 148.3 | 146.7 | 144.4 | 142.1 | 140.8 | 139.2 |
| 15°    | 159.9 | 159.3 | 157.7 | 156.1 | 154.4 | 153.8 | 152.8 | 150.2 | 148.0 | 147.3 | 146.0 |
| 17.5°  | 164.1 | 163.8 | 162.5 | 161.6 | 160.6 | 160.3 | 159.3 | 157.7 | 156.1 | 155.7 | 155.1 |
| 20°    | 168.7 | 169.0 | 168.0 | 168.0 | 168.0 | 167.7 | 167.7 | 166.4 | 165.4 | 165.1 | 165.4 |
| 22.5°  | 173.5 | 174.5 | 174.5 | 175.5 | 176.8 | 177.1 | 176.8 | 175.5 | 175.5 | 175.8 | 176.8 |
| 25°    | 181.0 | 182.0 | 182.9 | 184.2 | 185.8 | 187.1 | 187.1 | 186.5 | 186.5 | 186.8 | 188.8 |
| 27.5°  | 190.7 | 191.7 | 193.0 | 194.6 | 196.5 | 197.8 | 198.1 | 198.1 | 198.1 | 199.4 | 201.7 |
| 30°    | 204.6 | 204.3 | 205.3 | 206.9 | 208.5 | 209.2 | 210.1 | 211.1 | 210.8 | 212.7 | 216.9 |
| 32.5°  | 222.7 | 220.2 | 219.5 | 220.2 | 221.5 | 222.4 | 222.7 | 223.4 | 223.7 | 227.0 | 232.5 |
| 35°    | 246.1 | 240.6 | 236.3 | 234.1 | 234.4 | 235.7 | 236.3 | 235.7 | 236.3 | 241.5 | 249.3 |
| 37.5°  | 274.2 | 265.5 | 256.4 | 250.3 | 248.0 | 248.0 | 248.6 | 248.3 | 249.9 | 256.4 | 267.1 |
| 40°    | 306.0 | 295.9 | 281.3 | 268.7 | 262.6 | 261.3 | 261.3 | 261.6 | 264.2 | 272.0 | 284.3 |
| 42.5°  | 338.7 | 328.3 | 310.5 | 290.7 | 278.8 | 276.2 | 275.5 | 275.5 | 279.1 | 289.8 | 303.0 |
| 45°    | 371.4 | 363.9 | 344.5 | 318.6 | 298.8 | 293.7 | 291.1 | 289.8 | 295.3 | 308.2 | 320.2 |
| 47.5°  | 402.4 | 399.2 | 383.7 | 351.3 | 325.4 | 315.0 | 309.8 | 306.9 | 313.4 | 326.0 | 335.1 |
| 50°    | 427.4 | 434.5 | 423.8 | 393.7 | 357.4 | 344.5 | 332.2 | 326.7 | 331.9 | 344.5 | 348.7 |
| 52.5°  | 448.7 | 465.2 | 469.1 | 442.6 | 399.8 | 381.1 | 366.8 | 353.2 | 359.1 | 368.1 | 365.2 |
| 55°    | 475.9 | 506.0 | 523.8 | 516.7 | 471.1 | 441.9 | 424.1 | 403.1 | 404.1 | 407.3 | 395.3 |
| 57.5°  | 501.2 | 576.0 | 636.5 | 650.4 | 625.2 | 579.9 | 537.4 | 507.7 | 504.4 | 504.1 | 473.0 |
| 60°    | 504.1 | 600.6 | 700.0 | 772.8 | 814.3 | 798.4 | 756.0 | 665.0 | 620.3 | 599.0 | 544.6 |
| 62.5°  | 470.8 | 606.4 | 716.5 | 796.1 | 864.1 | 879.3 | 851.2 | 740.8 | 679.6 | 649.5 | 580.5 |
| 64°    | 401.5 | 551.7 | 683.8 | 772.8 | 846.6 | 887.1 | 885.8 | 771.5 | 670.2 | 627.8 | 553.3 |
| 65°    | 396.9 | 548.1 | 669.5 | 767.6 | 844.7 | 883.2 | 879.3 | 776.1 | 673.1 | 626.5 | 541.3 |
| 67.5°  | 283.6 | 457.5 | 604.1 | 724.3 | 786.7 | 841.8 | 853.4 | 785.1 | 662.1 | 597.3 | 508.3 |
| 70°    | 186.2 | 314.4 | 484.3 | 649.5 | 704.5 | 764.7 | 782.2 | 735.9 | 609.3 | 540.4 | 452.3 |
| 72.5°  | 137.9 | 192.6 | 374.3 | 538.4 | 603.2 | 650.8 | 650.4 | 615.5 | 495.0 | 438.4 | 360.7 |
| 75°    | 90.7  | 145.4 | 268.7 | 351.0 | 402.8 | 412.5 | 373.6 | 329.6 | 283.3 | 276.8 | 232.8 |
| 77.5°  | 46.0  | 92.3  | 147.6 | 125.6 | 111.4 | 117.2 | 113.3 | 75.4  | 44.4  | 41.8  | 51.8  |
| 80°    | 19.1  | 45.0  | 84.8  | 70.3  | 61.8  | 71.9  | 76.1  | 54.7  | 29.8  | 26.2  | 24.0  |
| 82.5°  | 8.4   | 15.2  | 29.8  | 35.6  | 25.6  | 30.4  | 36.6  | 26.9  | 20.1  | 18.8  | 17.8  |
| 85°    | 2.3   | 2.9   | 4.9   | 7.4   | 8.4   | 9.1   | 11.3  | 10.0  | 9.4   | 10.4  | 11.3  |
| 87.5°  | 1.3   | 1.6   | 1.3   | 1.3   | 1.3   | 1.6   | 1.3   | 1.0   | 1.0   | 2.3   | 3.9   |
| 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   |

REPORT NUMBER: P89415

CATALOG NUMBER: ENV-CXX-LED-E1-BL2-ULG-CWB

**CANDELA DISTRIBUTION (continued):**

|        | 55°  | 60°  | 65°  | 70°  | 75°  | 77.5° | 80°  | 85°  | 90°  | 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 |

REPORT NUMBER: P89415

CATALOG NUMBER: ENV-CXX-LED-E1-BL2-ULG-CWB

**CANDELA DISTRIBUTION (continued):**

|        | 105°  | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 126.6 | 126.6 | 126.6 | 126.6 | 126.6 | 126.6 | 126.6 | 126.6 | 126.6 | 126.6 | 126.6 |
| 2.5°   | 125.9 | 125.0 | 125.0 | 123.7 | 123.0 | 122.7 | 122.1 | 122.1 | 121.4 | 121.1 | 120.1 |
| 5°     | 125.6 | 124.3 | 123.7 | 122.4 | 121.1 | 120.1 | 119.1 | 118.5 | 117.5 | 117.2 | 115.6 |
| 7.5°   | 127.6 | 126.3 | 125.3 | 123.7 | 122.1 | 120.8 | 119.5 | 119.1 | 117.8 | 117.2 | 115.6 |
| 10°    | 131.1 | 129.8 | 128.9 | 126.9 | 125.6 | 124.3 | 123.0 | 122.4 | 121.1 | 120.1 | 118.8 |
| 12.5°  | 137.0 | 136.0 | 135.0 | 133.4 | 131.8 | 130.5 | 129.2 | 127.9 | 126.3 | 124.6 | 122.7 |
| 15°    | 144.1 | 143.4 | 142.8 | 141.2 | 139.5 | 137.9 | 136.3 | 134.4 | 132.1 | 129.5 | 126.6 |
| 17.5°  | 153.5 | 152.5 | 152.2 | 150.9 | 148.9 | 146.7 | 144.4 | 141.2 | 138.2 | 134.7 | 130.5 |
| 20°    | 164.8 | 163.8 | 164.1 | 162.5 | 159.6 | 157.0 | 152.8 | 148.9 | 145.0 | 140.5 | 135.7 |
| 22.5°  | 176.5 | 176.5 | 176.5 | 174.5 | 171.6 | 167.4 | 162.5 | 157.0 | 151.8 | 146.0 | 140.5 |
| 25°    | 189.7 | 190.7 | 190.7 | 188.4 | 184.2 | 179.0 | 172.6 | 165.8 | 159.0 | 152.2 | 145.0 |
| 27.5°  | 204.9 | 205.9 | 206.6 | 203.3 | 198.8 | 191.7 | 183.6 | 174.5 | 165.8 | 157.7 | 148.9 |
| 30°    | 221.1 | 222.7 | 223.7 | 218.9 | 213.0 | 204.3 | 193.6 | 182.0 | 171.3 | 161.6 | 151.5 |
| 32.5°  | 239.3 | 241.5 | 240.9 | 234.7 | 227.0 | 216.3 | 202.4 | 188.4 | 175.2 | 162.9 | 151.5 |
| 35°    | 257.1 | 260.0 | 257.1 | 249.0 | 238.9 | 225.7 | 208.8 | 192.0 | 175.2 | 161.2 | 148.9 |
| 37.5°  | 274.6 | 277.1 | 272.0 | 261.3 | 248.6 | 231.8 | 210.4 | 191.0 | 172.2 | 157.3 | 144.1 |
| 40°    | 292.7 | 292.7 | 283.6 | 271.6 | 255.1 | 232.8 | 208.8 | 186.8 | 167.4 | 151.5 | 138.2 |
| 42.5°  | 307.3 | 304.3 | 292.7 | 276.8 | 255.8 | 230.2 | 204.0 | 179.7 | 159.6 | 142.8 | 129.5 |
| 45°    | 320.8 | 313.1 | 297.9 | 277.5 | 251.6 | 222.4 | 194.3 | 170.0 | 149.6 | 133.1 | 119.8 |
| 47.5°  | 331.5 | 318.6 | 299.2 | 273.9 | 243.1 | 211.1 | 182.3 | 158.3 | 138.6 | 122.1 | 108.8 |
| 50°    | 339.3 | 321.2 | 296.6 | 266.1 | 230.8 | 197.5 | 169.3 | 146.0 | 125.9 | 109.1 | 95.2  |
| 52.5°  | 347.1 | 320.5 | 289.8 | 255.1 | 217.6 | 183.6 | 155.7 | 131.8 | 110.4 | 92.6  | 79.0  |
| 55°    | 361.6 | 323.1 | 283.3 | 242.8 | 204.0 | 170.3 | 140.5 | 114.0 | 91.6  | 74.5  | 61.5  |
| 57.5°  | 397.3 | 335.1 | 281.0 | 233.1 | 190.7 | 154.8 | 121.4 | 92.6  | 70.3  | 54.7  | 44.7  |
| 60°    | 440.0 | 352.3 | 284.9 | 225.7 | 175.5 | 134.4 | 97.1  | 68.6  | 49.2  | 37.9  | 31.1  |
| 62.5°  | 459.7 | 355.5 | 278.1 | 212.1 | 155.1 | 107.2 | 69.6  | 45.0  | 31.4  | 24.9  | 21.4  |
| 64°    | 415.7 | 321.8 | 254.8 | 188.1 | 129.5 | 79.0  | 45.3  | 28.2  | 21.0  | 18.1  | 16.8  |
| 65°    | 411.5 | 316.0 | 249.9 | 184.9 | 125.9 | 75.4  | 43.1  | 27.2  | 20.1  | 17.8  | 16.2  |
| 67.5°  | 366.8 | 256.7 | 189.1 | 133.1 | 83.9  | 43.7  | 24.0  | 17.2  | 14.9  | 14.2  | 13.6  |
| 70°    | 313.1 | 204.9 | 136.3 | 81.6  | 41.8  | 22.3  | 15.5  | 13.9  | 13.3  | 13.0  | 12.0  |
| 72.5°  | 242.5 | 141.8 | 80.0  | 41.1  | 21.7  | 14.6  | 13.3  | 12.6  | 12.3  | 12.0  | 11.3  |
| 75°    | 139.5 | 70.3  | 37.9  | 22.0  | 15.9  | 13.9  | 12.6  | 12.3  | 12.0  | 11.3  | 10.7  |
| 77.5°  | 42.4  | 22.7  | 18.5  | 16.5  | 14.9  | 14.2  | 13.0  | 11.7  | 10.7  | 10.4  | 9.7   |
| 80°    | 20.1  | 16.2  | 14.6  | 14.6  | 14.6  | 13.9  | 12.3  | 11.0  | 10.0  | 9.7   | 9.4   |
| 82.5°  | 15.5  | 13.6  | 12.6  | 12.6  | 12.3  | 12.0  | 11.0  | 10.7  | 9.7   | 9.1   | 8.7   |
| 85°    | 11.0  | 10.4  | 9.4   | 10.7  | 11.3  | 11.0  | 9.7   | 9.4   | 8.4   | 7.8   | 7.1   |
| 87.5°  | 5.2   | 7.4   | 8.4   | 9.1   | 10.0  | 8.4   | 6.8   | 6.8   | 5.5   | 5.2   | 4.5   |
| 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: P89415  
CATALOG NUMBER: ENV-CXX-LED-E1-BL2-ULG-CWB

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 | 64°    |
| 177.5° | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 65°    |
| 180°   | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 67.5°  |
|        |      |      |      |      |      |      |      |      |      |      |      | 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: P89415

NUMBER: ENV-CXX-LED-E1-BL2-ULG-CWB

REPORT NUMBER: P

CATALOG NUMBER:

**DISTRIBUTION (continued):**

| 160°  | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|
| 126.6 | 126.6 | 126.6 | 126.6 | 126.6 |
| 119.5 | 119.1 | 119.1 | 118.5 | 118.5 |
| 114.9 | 114.6 | 114.3 | 113.6 | 113.6 |
| 115.3 | 114.6 | 114.3 | 113.6 | 113.6 |
| 117.8 | 117.2 | 116.6 | 116.2 | 116.2 |
| 121.7 | 120.4 | 119.5 | 118.8 | 118.8 |
| 125.0 | 123.0 | 121.4 | 120.8 | 120.4 |
| 128.2 | 125.6 | 123.7 | 122.7 | 122.1 |
| 132.4 | 128.9 | 126.6 | 125.0 | 124.6 |
| 136.3 | 131.8 | 129.5 | 127.6 | 126.9 |
| 139.9 | 135.0 | 132.1 | 129.5 | 128.9 |
| 143.1 | 137.3 | 133.4 | 130.5 | 129.8 |
| 144.4 | 137.6 | 132.7 | 129.5 | 129.2 |
| 143.4 | 136.0 | 130.5 | 126.9 | 126.6 |
| 140.5 | 133.1 | 127.2 | 123.4 | 123.0 |
| 135.7 | 127.6 | 122.7 | 118.8 | 117.8 |
| 128.9 | 121.7 | 116.2 | 112.7 | 112.0 |
| 120.1 | 113.3 | 108.1 | 104.9 | 104.3 |
| 110.7 | 103.6 | 98.7  | 95.8  | 94.9  |
| 99.7  | 92.3  | 87.1  | 83.9  | 82.9  |
| 85.5  | 78.0  | 73.2  | 69.9  | 69.0  |
| 69.3  | 62.2  | 57.6  | 54.7  | 54.1  |
| 52.8  | 46.9  | 43.7  | 41.4  | 40.8  |
| 38.2  | 34.6  | 33.0  | 31.4  | 31.4  |
| 27.5  | 25.9  | 24.9  | 24.3  | 24.0  |
| 20.1  | 19.1  | 18.8  | 18.5  | 18.5  |
| 16.2  | 15.5  | 15.2  | 14.9  | 14.9  |
| 15.5  | 15.2  | 14.9  | 14.6  | 14.2  |
| 13.3  | 12.6  | 12.6  | 12.0  | 12.0  |
| 11.7  | 11.3  | 11.0  | 10.7  | 10.7  |
| 11.3  | 10.7  | 10.7  | 10.4  | 10.4  |
| 10.4  | 10.0  | 10.0  | 10.0  | 10.0  |
| 9.4   | 9.4   | 9.7   | 9.4   | 9.1   |
| 9.1   | 9.1   | 9.4   | 9.1   | 8.7   |
| 8.4   | 8.7   | 9.1   | 8.4   | 7.8   |
| 7.1   | 8.1   | 9.1   | 7.8   | 7.1   |
| 4.2   | 4.9   | 5.2   | 4.2   | 3.9   |
| 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 |

'89415

ENV-CXX-LED-E1-BL2-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)