

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: P173812

Luminaire Tested: **ENV-EXX-LED-E1-SLR-ULG-BBB**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P173812  
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-SLR-ULG-BBB  
Description: ENTRI LED LUMINAIRE WITH UPLIGHT, EMERGENCY MODE  
LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (42) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1678.6 lumens  
Efficiency: N/A  
Efficacy: 305.2 lumens/watt  
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-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

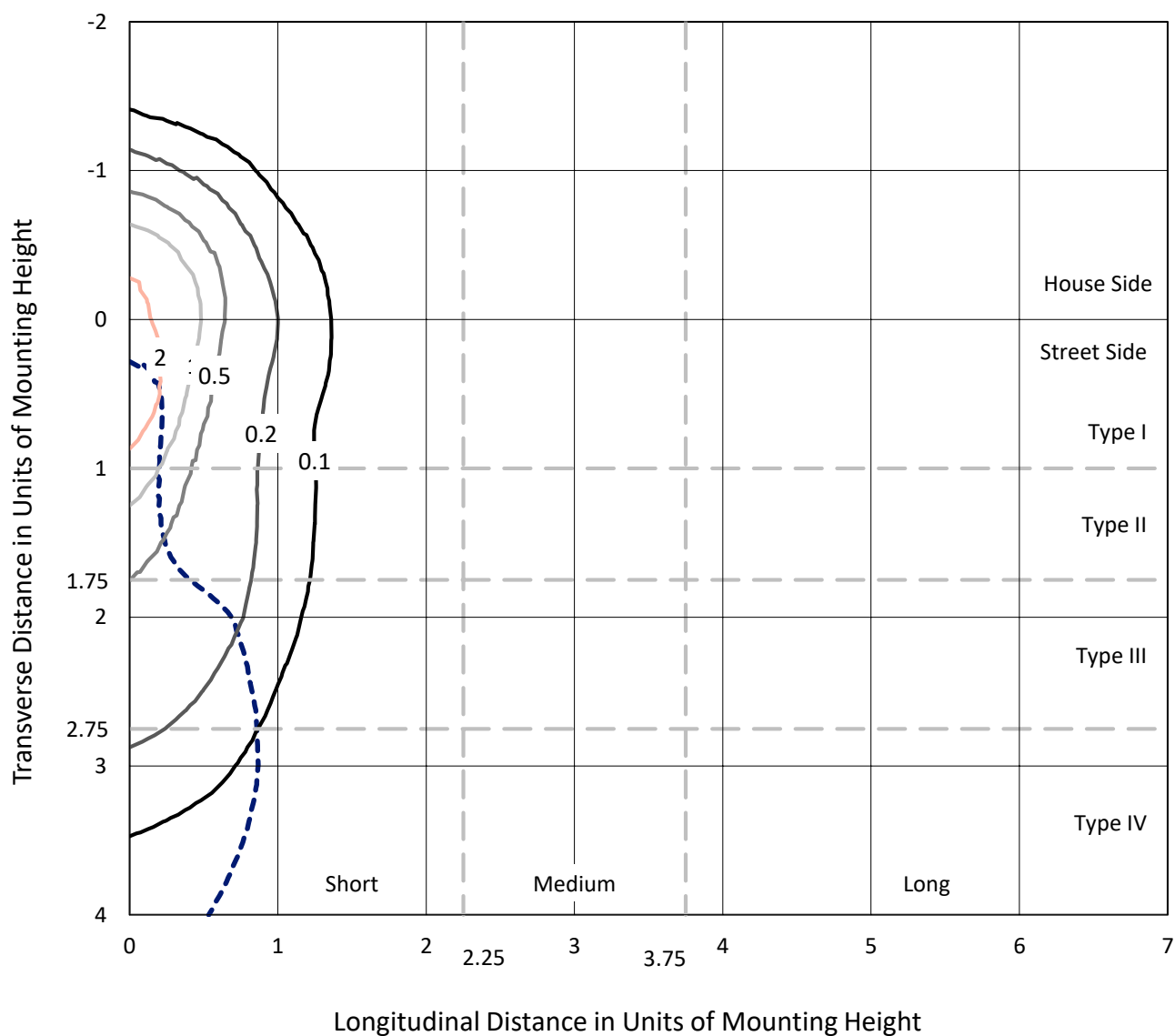


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

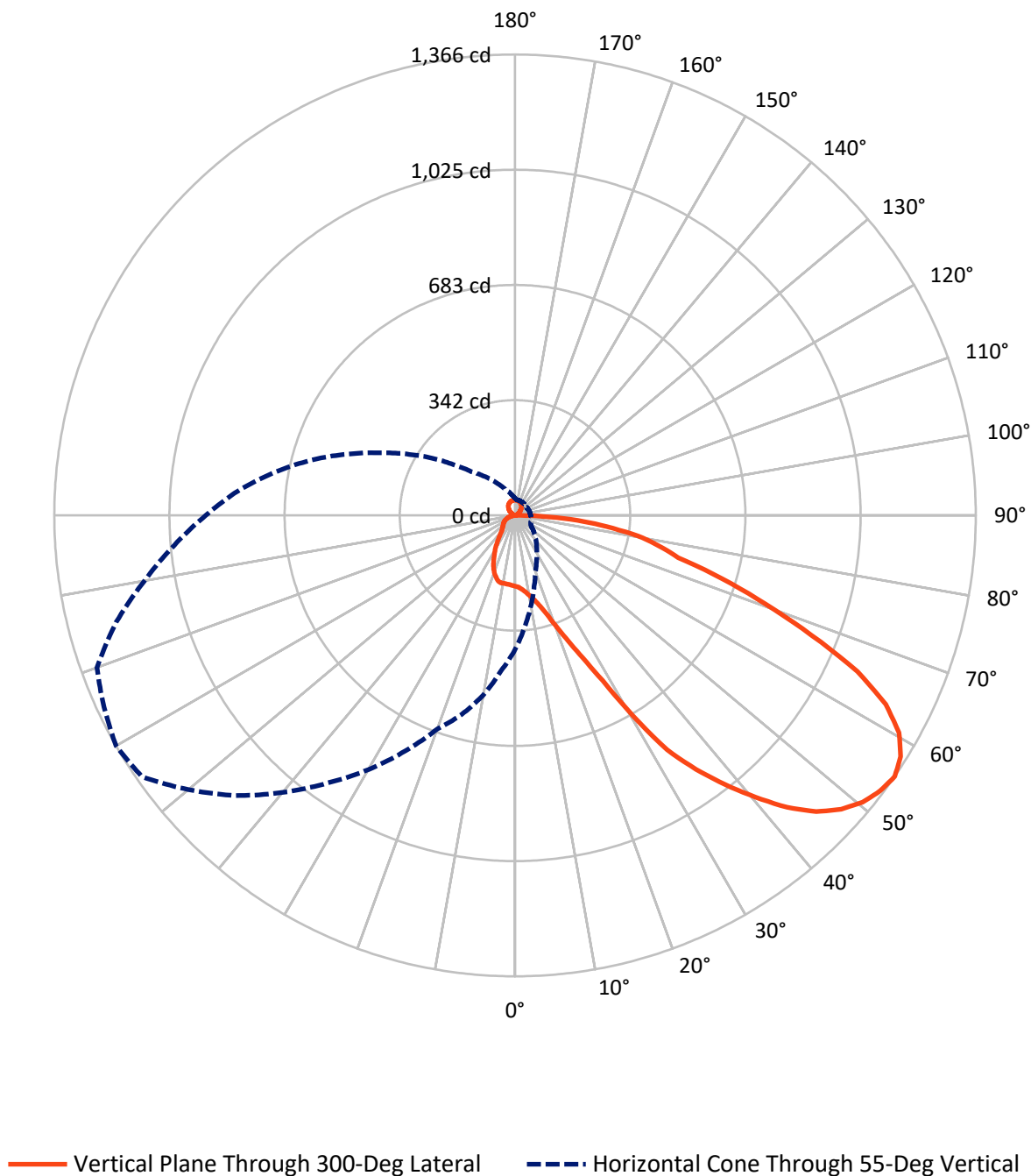


Based on 10 foot mounting height. Maximum calculated value = 3.3 fc  
Type IV - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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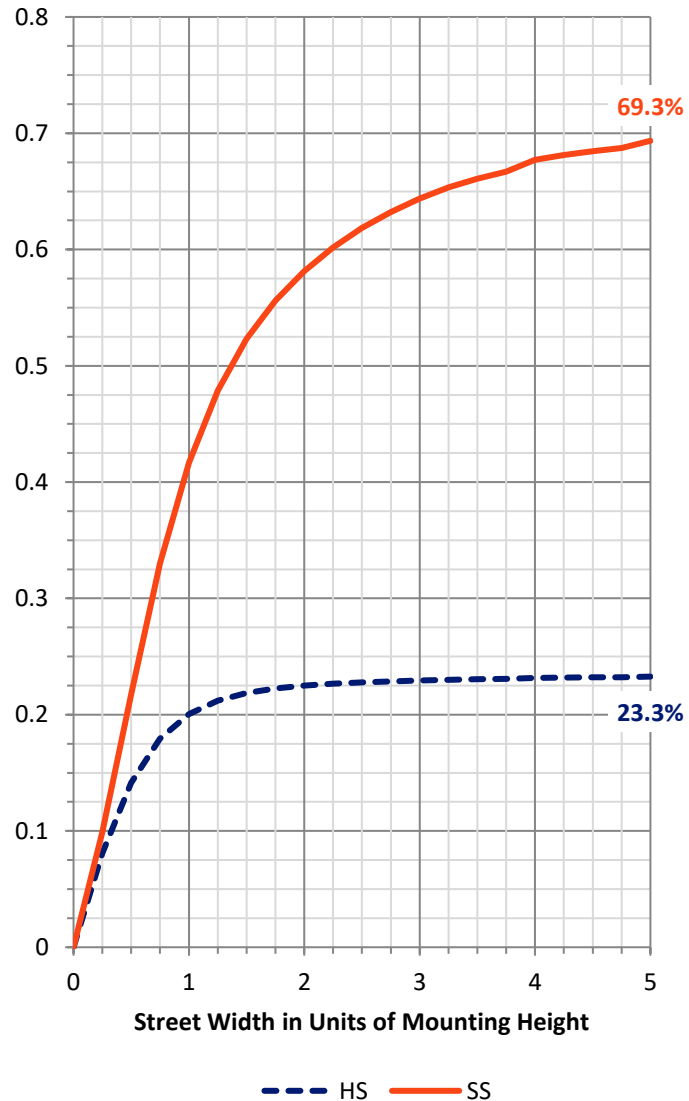
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 394.0    | 51.1   | 445.1  |
|                    | % Fixture | 23.5     | 3.0    | 26.5   |
| <b>Street Side</b> | Lumens    | 1182.4   | 51.1   | 1233.5 |
|                    | % Fixture | 70.4     | 3.0    | 73.5   |
| <b>Total</b>       | Lumens    | 1576.5   | 102.1  | 1678.6 |
|                    | % Fixture | 93.9     | 6.1    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 20.7   | 1.2       |
| 10°-20°   | 68.0   | 4.1       |
| 20°-30°   | 132.0  | 7.9       |
| 30°-40°   | 207.5  | 12.4      |
| 40°-50°   | 277.3  | 16.5      |
| 50°-60°   | 325.4  | 19.4      |
| 60°-70°   | 308.7  | 18.4      |
| 70°-80°   | 186.3  | 11.1      |
| 80°-90°   | 50.5   | 3.0       |
| 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   | 1.2       |
| 140°-150° | 21.2   | 1.3       |
| 150°-160° | 18.4   | 1.1       |
| 160°-170° | 12.4   | 0.7       |
| 170°-180° | 4.3    | 0.3       |
| 0°-90°    | 1576.5 | 93.9      |
| 0°-180°   | 1678.6 | 100.0     |

**Coefficient of Utilization**



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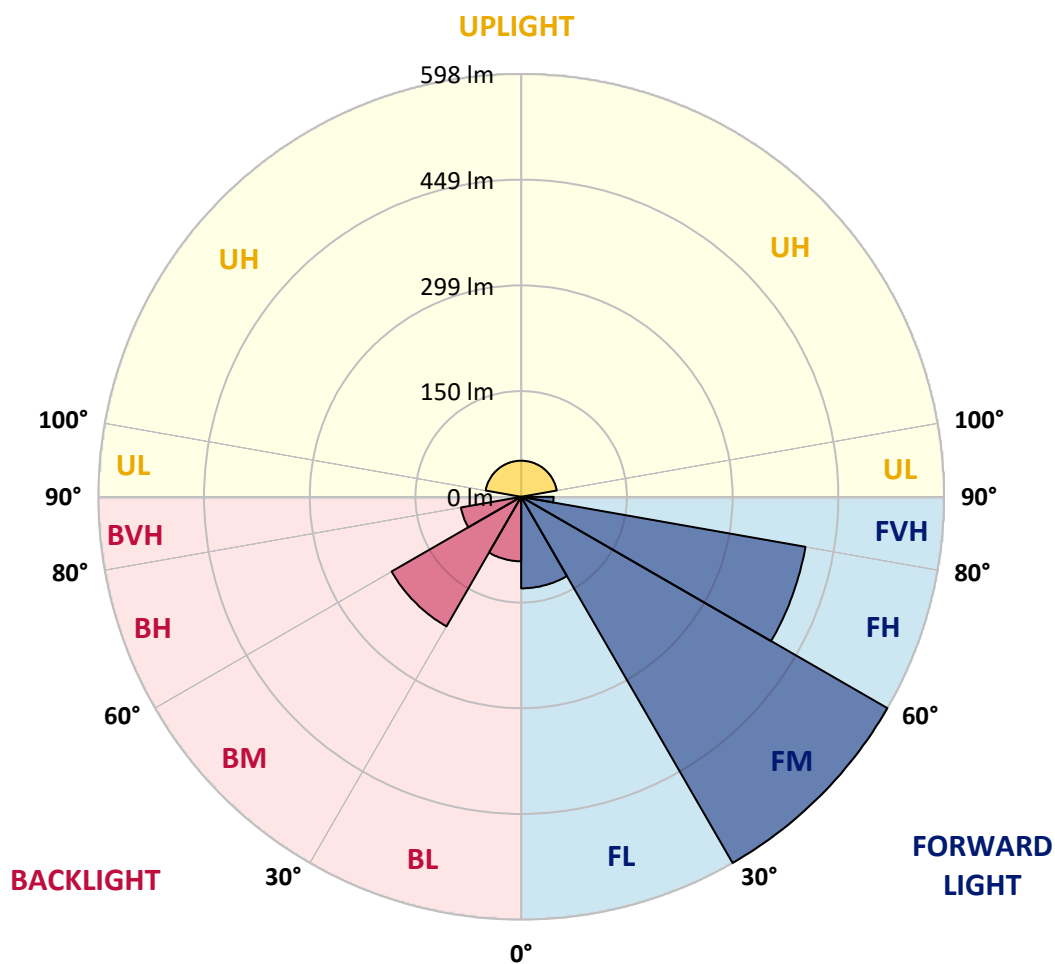
CATALOG NUMBER: ENV-EXX-LED-E1-SLR-ULG-BBB

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |        |        |
|------|-------------|--------|-----------|-------------------------|--------|--------|
|      |             |        |           | B                       | U      | G      |
| FL   | (0°-30°)    | 129.6  | 7.7       |                         |        |        |
| FM   | (30°-60°)   | 598.4  | 35.7      |                         |        |        |
| FH   | (60°-80°)   | 408.5  | 24.3      |                         |        | G0/660 |
| FVH  | (80°-90°)   | 45.9   | 2.7       |                         |        | G1/100 |
| BL   | (0°-30°)    | 91.2   | 5.4       | B0/110                  |        |        |
| BM   | (30°-60°)   | 211.8  | 12.6      | B0/220                  |        |        |
| BH   | (60°-80°)   | 86.5   | 5.2       | B0/110                  |        | G0/110 |
| BVH  | (80°-90°)   | 4.6    | 0.3       |                         |        | G0/10  |
| UL   | (90°-100°)  | 0.4    | 0.0       |                         | U1/10  |        |
| UH   | (100°-180°) | 51.1   | 3.0       |                         | U3/500 |        |

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

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 210.1 | 210.1 | 210.1 | 210.1 | 210.1 | 210.1 | 210.1 | 210.1 | 210.1 | 210.1 | 210.1 |
| 2.5°   | 214.7 | 216.3 | 214.3 | 214.7 | 214.0 | 213.4 | 213.7 | 213.4 | 212.7 | 212.7 | 212.1 |
| 5°     | 219.8 | 220.2 | 218.9 | 218.5 | 217.9 | 216.9 | 217.2 | 216.3 | 215.6 | 215.0 | 213.7 |
| 7.5°   | 226.0 | 225.7 | 224.0 | 223.1 | 222.7 | 221.1 | 220.8 | 219.5 | 218.5 | 217.6 | 215.9 |
| 10°    | 235.4 | 232.8 | 230.8 | 229.2 | 228.6 | 226.6 | 225.0 | 224.4 | 222.7 | 220.5 | 219.2 |
| 12.5°  | 249.0 | 247.4 | 243.5 | 240.2 | 238.3 | 235.7 | 233.4 | 231.8 | 229.2 | 226.0 | 224.4 |
| 15°    | 273.3 | 268.1 | 263.5 | 258.7 | 254.8 | 250.6 | 245.1 | 240.9 | 236.3 | 230.8 | 226.6 |
| 17.5°  | 304.7 | 298.2 | 291.1 | 283.3 | 275.2 | 266.1 | 255.4 | 247.4 | 238.3 | 228.9 | 222.4 |
| 20°    | 343.2 | 331.2 | 321.2 | 306.3 | 291.4 | 277.1 | 260.3 | 246.1 | 233.1 | 220.8 | 211.4 |
| 22.5°  | 386.6 | 368.4 | 348.0 | 325.4 | 301.4 | 279.4 | 255.8 | 236.3 | 217.6 | 202.4 | 191.7 |
| 25°    | 436.1 | 407.6 | 376.5 | 342.2 | 307.9 | 275.2 | 246.1 | 221.8 | 201.7 | 183.6 | 171.6 |
| 27.5°  | 466.5 | 427.7 | 390.5 | 349.7 | 310.5 | 272.6 | 237.0 | 208.8 | 185.8 | 166.4 | 152.5 |
| 30°    | 473.0 | 433.8 | 390.1 | 345.8 | 305.3 | 263.9 | 225.0 | 193.6 | 168.0 | 147.6 | 133.7 |
| 32.5°  | 477.5 | 432.2 | 383.7 | 334.4 | 290.4 | 246.7 | 207.2 | 176.1 | 148.9 | 128.9 | 112.7 |
| 35°    | 478.8 | 426.1 | 371.4 | 316.6 | 270.3 | 225.7 | 186.2 | 153.5 | 129.8 | 110.1 | 95.5  |
| 37.5°  | 476.9 | 416.0 | 354.8 | 298.2 | 248.6 | 202.0 | 163.2 | 134.7 | 114.6 | 95.5  | 82.6  |
| 40°    | 469.1 | 403.4 | 340.0 | 280.4 | 226.6 | 178.4 | 143.8 | 119.1 | 102.0 | 87.4  | 77.4  |
| 42.5°  | 459.1 | 388.8 | 323.4 | 259.7 | 205.3 | 159.6 | 128.2 | 108.5 | 93.9  | 83.5  | 75.1  |
| 45°    | 446.5 | 373.6 | 306.3 | 241.2 | 187.1 | 145.4 | 119.1 | 102.6 | 91.3  | 82.2  | 74.5  |
| 47.5°  | 430.9 | 357.4 | 289.8 | 227.3 | 174.8 | 138.2 | 117.2 | 102.6 | 91.3  | 81.6  | 73.2  |
| 50°    | 416.4 | 342.9 | 277.1 | 218.5 | 169.3 | 138.6 | 119.1 | 103.9 | 91.0  | 80.3  | 70.9  |
| 52.5°  | 405.0 | 334.1 | 272.0 | 215.3 | 170.0 | 141.8 | 123.0 | 105.9 | 91.9  | 80.3  | 70.3  |
| 55°    | 397.9 | 330.6 | 271.3 | 218.2 | 176.8 | 150.5 | 129.2 | 111.7 | 96.5  | 82.9  | 71.2  |
| 57.5°  | 398.9 | 334.4 | 279.1 | 230.2 | 192.3 | 165.8 | 141.5 | 122.1 | 103.0 | 86.1  | 71.6  |
| 60°    | 408.9 | 347.4 | 297.9 | 258.4 | 218.2 | 186.2 | 157.0 | 131.1 | 105.9 | 85.1  | 69.3  |
| 62.5°  | 434.2 | 377.8 | 337.4 | 296.9 | 250.3 | 206.2 | 166.4 | 132.7 | 102.6 | 80.3  | 63.8  |
| 65°    | 482.1 | 432.5 | 393.7 | 343.2 | 276.8 | 214.7 | 165.4 | 127.9 | 96.5  | 72.5  | 56.3  |
| 67.5°  | 529.0 | 476.6 | 421.9 | 345.8 | 270.3 | 208.5 | 154.8 | 115.9 | 85.5  | 62.2  | 49.9  |
| 70°    | 574.4 | 506.4 | 436.1 | 342.5 | 251.6 | 179.4 | 129.2 | 96.8  | 68.0  | 51.8  | 42.7  |
| 72.5°  | 544.6 | 466.2 | 394.3 | 302.1 | 216.3 | 147.3 | 103.0 | 70.3  | 52.1  | 42.7  | 36.9  |
| 75°    | 415.7 | 361.3 | 298.8 | 231.8 | 159.6 | 103.9 | 68.6  | 49.9  | 40.1  | 33.7  | 30.1  |
| 77.5°  | 299.2 | 258.7 | 207.5 | 152.2 | 99.7  | 65.7  | 46.6  | 35.6  | 29.8  | 25.3  | 23.3  |
| 80°    | 173.5 | 148.9 | 116.2 | 83.9  | 57.0  | 41.1  | 31.1  | 25.3  | 21.7  | 18.5  | 17.8  |
| 82.5°  | 108.5 | 86.8  | 61.5  | 41.4  | 29.1  | 22.7  | 18.1  | 15.5  | 13.0  | 11.3  | 9.7   |
| 85°    | 46.9  | 33.7  | 19.1  | 10.7  | 8.1   | 6.2   | 4.9   | 4.2   | 3.6   | 3.2   | 2.6   |
| 87.5°  | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 1.9   | 1.9   | 1.9   | 1.9   | 1.6   |
| 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   |
| 110°   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°   | 5°   | 10°  | 15°  | 20°  | 25°  | 30°  | 35°  | 40°  | 45°  | 50°  |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 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°   | 95°   | 100°  | 105°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 210.1 | 210.1 | 210.1 | 210.1 | 210.1 | 210.1 | 210.1 | 210.1 | 210.1 | 210.1 | 210.1 |
| 2.5°   | 212.1 | 211.4 | 211.1 | 211.1 | 210.4 | 210.4 | 209.8 | 210.1 | 209.8 | 209.2 | 208.8 |
| 5°     | 213.4 | 212.4 | 211.7 | 211.1 | 210.1 | 209.8 | 209.2 | 209.2 | 208.2 | 207.2 | 206.9 |
| 7.5°   | 215.0 | 213.7 | 212.7 | 211.4 | 210.1 | 209.5 | 208.2 | 207.5 | 206.6 | 205.6 | 205.3 |
| 10°    | 218.2 | 215.9 | 214.3 | 212.7 | 210.4 | 209.2 | 207.2 | 206.2 | 205.3 | 204.0 | 203.3 |
| 12.5°  | 221.8 | 218.9 | 216.6 | 212.7 | 210.4 | 208.2 | 206.2 | 204.3 | 202.4 | 201.1 | 200.7 |
| 15°    | 221.8 | 218.2 | 213.4 | 209.8 | 206.6 | 203.3 | 201.4 | 199.4 | 197.2 | 196.2 | 195.9 |
| 17.5°  | 216.3 | 210.1 | 205.6 | 201.7 | 198.8 | 196.2 | 194.3 | 193.3 | 191.3 | 189.4 | 188.8 |
| 20°    | 203.6 | 196.5 | 191.3 | 187.1 | 183.9 | 181.3 | 180.7 | 179.7 | 178.7 | 178.7 | 179.0 |
| 22.5°  | 182.9 | 175.2 | 170.6 | 166.1 | 162.5 | 161.2 | 161.6 | 162.5 | 162.9 | 162.5 | 164.8 |
| 25°    | 162.2 | 154.8 | 148.6 | 144.4 | 140.2 | 141.2 | 139.9 | 142.1 | 143.1 | 143.4 | 146.0 |
| 27.5°  | 142.1 | 134.0 | 127.6 | 124.0 | 122.1 | 120.8 | 119.8 | 122.7 | 123.4 | 125.6 | 127.9 |
| 30°    | 120.8 | 113.3 | 105.9 | 103.0 | 101.3 | 100.4 | 100.7 | 103.3 | 104.9 | 108.1 | 110.1 |
| 32.5°  | 101.0 | 91.9  | 86.4  | 82.6  | 80.9  | 80.6  | 80.9  | 82.9  | 84.8  | 89.0  | 91.9  |
| 35°    | 84.2  | 75.4  | 70.9  | 68.6  | 66.4  | 65.4  | 66.4  | 67.0  | 67.7  | 71.2  | 74.8  |
| 37.5°  | 74.5  | 68.3  | 64.8  | 62.5  | 60.9  | 59.9  | 59.9  | 59.6  | 59.9  | 60.5  | 62.2  |
| 40°    | 70.3  | 65.7  | 62.5  | 60.2  | 58.9  | 58.3  | 58.0  | 57.6  | 57.3  | 57.3  | 57.3  |
| 42.5°  | 68.6  | 63.5  | 60.2  | 58.3  | 57.6  | 57.6  | 57.6  | 57.3  | 56.7  | 56.0  | 55.7  |
| 45°    | 67.3  | 61.8  | 58.3  | 56.7  | 56.7  | 56.7  | 57.0  | 56.7  | 56.0  | 55.0  | 54.1  |
| 47.5°  | 65.1  | 59.6  | 56.3  | 55.0  | 55.0  | 55.0  | 55.4  | 55.0  | 54.4  | 53.7  | 52.8  |
| 50°    | 62.5  | 56.7  | 53.4  | 52.4  | 52.1  | 52.1  | 51.8  | 51.5  | 51.2  | 50.5  | 49.5  |
| 52.5°  | 60.9  | 54.7  | 51.8  | 51.2  | 50.5  | 50.2  | 49.5  | 49.2  | 48.6  | 48.2  | 47.3  |
| 55°    | 60.5  | 53.4  | 50.8  | 50.2  | 49.5  | 48.6  | 47.3  | 46.6  | 45.3  | 45.0  | 44.4  |
| 57.5°  | 59.6  | 52.1  | 49.2  | 47.6  | 46.0  | 45.0  | 43.7  | 43.1  | 42.4  | 41.8  | 41.1  |
| 60°    | 56.3  | 48.2  | 44.7  | 43.7  | 42.7  | 42.4  | 41.8  | 41.1  | 40.1  | 39.2  | 37.9  |
| 62.5°  | 50.2  | 43.4  | 41.1  | 40.8  | 40.5  | 39.8  | 39.2  | 38.2  | 37.6  | 36.3  | 35.0  |
| 65°    | 45.3  | 40.8  | 39.5  | 38.9  | 38.5  | 37.6  | 36.9  | 36.3  | 35.3  | 34.3  | 33.0  |
| 67.5°  | 41.1  | 37.9  | 37.2  | 36.3  | 35.9  | 35.3  | 34.3  | 33.7  | 32.7  | 31.7  | 30.4  |
| 70°    | 37.2  | 34.6  | 34.3  | 33.7  | 33.0  | 32.7  | 31.4  | 30.4  | 30.1  | 28.8  | 27.8  |
| 72.5°  | 33.0  | 31.4  | 30.8  | 30.1  | 29.5  | 29.1  | 28.5  | 27.8  | 27.2  | 25.9  | 24.6  |
| 75°    | 27.5  | 26.9  | 26.5  | 25.9  | 25.6  | 24.9  | 24.0  | 23.0  | 22.7  | 21.7  | 20.7  |
| 77.5°  | 22.0  | 21.4  | 21.4  | 20.7  | 19.7  | 18.8  | 17.8  | 16.5  | 16.5  | 16.5  | 15.9  |
| 80°    | 15.5  | 14.9  | 13.9  | 13.6  | 13.0  | 12.3  | 11.3  | 10.7  | 10.0  | 10.0  | 10.0  |
| 82.5°  | 9.1   | 8.7   | 8.1   | 7.1   | 6.5   | 6.2   | 5.2   | 4.5   | 4.2   | 3.6   | 3.6   |
| 85°    | 1.9   | 1.9   | 1.3   | 1.3   | 1.0   | 1.0   | 1.0   | 0.6   | 0.6   | 0.3   | 0.3   |
| 87.5°  | 1.6   | 1.6   | 1.6   | 1.3   | 1.3   | 1.3   | 1.0   | 1.0   | 1.0   | 0.6   | 0.6   |
| 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   |
| 110°   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   |

REPORT NUMBER: P173812

CATALOG NUMBER: ENV-EXX-LED-E1-SLR-ULG-BBB

**CANDELA DISTRIBUTION (continued):**

|        | 55°  | 60°  | 65°  | 70°  | 75°  | 80°  | 85°  | 90°  | 95°  | 100° | 105° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 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: P173812

CATALOG NUMBER: ENV-EXX-LED-E1-SLR-ULG-BBB

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 210.1 | 210.1 | 210.1 | 210.1 | 210.1 | 210.1 | 210.1 | 210.1 | 210.1 | 210.1 | 210.1 |
| 2.5°   | 208.8 | 208.5 | 207.9 | 206.6 | 206.2 | 205.9 | 206.2 | 206.2 | 205.9 | 206.2 | 206.6 |
| 5°     | 206.9 | 206.6 | 205.6 | 204.9 | 204.3 | 204.3 | 206.2 | 206.2 | 205.3 | 205.6 | 206.9 |
| 7.5°   | 205.3 | 205.3 | 204.6 | 204.3 | 204.6 | 205.6 | 207.2 | 208.5 | 208.2 | 210.1 | 210.8 |
| 10°    | 203.3 | 203.6 | 204.0 | 205.3 | 207.2 | 208.8 | 211.4 | 213.7 | 214.3 | 215.9 | 216.9 |
| 12.5°  | 201.4 | 202.7 | 204.3 | 206.9 | 209.5 | 212.1 | 215.0 | 217.6 | 217.9 | 219.5 | 220.8 |
| 15°    | 196.5 | 198.5 | 200.7 | 203.6 | 207.5 | 210.4 | 214.7 | 216.6 | 217.2 | 218.2 | 219.8 |
| 17.5°  | 189.1 | 190.0 | 191.7 | 194.9 | 199.1 | 203.0 | 207.9 | 211.1 | 213.0 | 214.3 | 215.0 |
| 20°    | 179.0 | 181.0 | 182.0 | 184.9 | 187.1 | 190.0 | 196.5 | 200.7 | 204.6 | 206.6 | 208.5 |
| 22.5°  | 165.1 | 167.4 | 169.7 | 172.6 | 173.9 | 175.8 | 182.0 | 188.4 | 194.3 | 198.1 | 200.4 |
| 25°    | 147.6 | 150.2 | 153.5 | 157.0 | 158.6 | 160.6 | 167.7 | 174.2 | 181.3 | 188.1 | 191.3 |
| 27.5°  | 130.2 | 133.4 | 136.6 | 140.8 | 143.4 | 145.7 | 151.8 | 158.0 | 165.4 | 171.9 | 175.2 |
| 30°    | 113.3 | 117.8 | 120.8 | 125.6 | 127.9 | 130.2 | 135.7 | 142.5 | 147.6 | 155.1 | 159.3 |
| 32.5°  | 95.8  | 99.1  | 104.6 | 110.1 | 112.7 | 114.9 | 120.1 | 125.9 | 130.5 | 137.9 | 144.1 |
| 35°    | 80.0  | 82.9  | 88.7  | 94.2  | 95.8  | 99.4  | 104.6 | 109.8 | 114.0 | 120.8 | 126.6 |
| 37.5°  | 65.1  | 69.9  | 74.5  | 78.7  | 82.2  | 84.8  | 89.7  | 94.2  | 96.5  | 103.0 | 109.1 |
| 40°    | 58.0  | 60.2  | 63.5  | 67.3  | 69.6  | 72.2  | 75.8  | 79.6  | 82.2  | 86.8  | 91.9  |
| 42.5°  | 55.4  | 55.4  | 56.3  | 58.3  | 61.2  | 62.5  | 65.7  | 67.7  | 71.2  | 73.2  | 77.7  |
| 45°    | 53.4  | 52.8  | 53.1  | 53.1  | 54.1  | 55.0  | 57.6  | 59.6  | 61.8  | 63.5  | 66.4  |
| 47.5°  | 51.8  | 50.5  | 50.2  | 49.5  | 49.2  | 49.9  | 51.8  | 53.4  | 54.4  | 55.7  | 56.7  |
| 50°    | 48.2  | 47.3  | 46.3  | 45.7  | 45.3  | 46.0  | 47.6  | 48.9  | 49.2  | 49.9  | 50.5  |
| 52.5°  | 46.3  | 45.0  | 44.0  | 43.1  | 43.1  | 43.7  | 45.0  | 46.0  | 46.3  | 46.6  | 47.3  |
| 55°    | 43.7  | 43.1  | 42.4  | 41.4  | 41.1  | 42.1  | 43.1  | 44.0  | 44.7  | 44.7  | 45.3  |
| 57.5°  | 40.5  | 39.8  | 40.5  | 40.1  | 39.8  | 40.5  | 41.8  | 42.7  | 43.1  | 43.1  | 43.4  |
| 60°    | 37.2  | 36.9  | 36.9  | 37.6  | 38.2  | 39.2  | 40.1  | 41.4  | 41.1  | 40.5  | 40.8  |
| 62.5°  | 34.3  | 34.0  | 34.3  | 35.3  | 36.3  | 37.2  | 38.5  | 39.5  | 38.5  | 37.9  | 37.9  |
| 65°    | 32.4  | 32.1  | 32.4  | 32.7  | 33.0  | 34.0  | 35.6  | 35.9  | 35.3  | 35.3  | 35.3  |
| 67.5°  | 29.8  | 29.5  | 29.1  | 29.5  | 29.8  | 30.1  | 31.4  | 31.7  | 31.7  | 31.7  | 31.7  |
| 70°    | 26.5  | 26.2  | 25.9  | 25.9  | 25.9  | 26.2  | 26.5  | 27.2  | 27.8  | 28.5  | 28.8  |
| 72.5°  | 23.0  | 22.3  | 22.3  | 22.3  | 21.7  | 22.0  | 22.3  | 23.6  | 24.3  | 24.9  | 25.6  |
| 75°    | 19.4  | 18.8  | 18.8  | 18.1  | 18.5  | 18.8  | 18.8  | 19.4  | 20.1  | 21.0  | 21.7  |
| 77.5°  | 15.2  | 15.2  | 15.2  | 14.9  | 14.9  | 15.2  | 15.5  | 15.5  | 16.2  | 17.2  | 18.1  |
| 80°    | 9.7   | 9.7   | 10.4  | 10.7  | 11.0  | 11.3  | 12.0  | 12.3  | 12.6  | 13.6  | 13.9  |
| 82.5°  | 3.6   | 3.9   | 4.2   | 4.2   | 5.2   | 6.5   | 6.8   | 7.8   | 8.4   | 9.4   | 9.4   |
| 85°    | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 0.6   | 1.0   | 1.3   | 1.9   | 2.9   | 3.6   |
| 87.5°  | 0.6   | 0.3   | 0.3   | 0.3   | 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   |
| 110°   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   |

REPORT NUMBER: P173812

REPORT N

CATALOG NUMBER: ENV-EXX-LED-E1-SLR-ULG-BBB

CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

|        | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |        |
|--------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 112.5° | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 0°     |
| 115°   | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 2.5°   |
| 117.5° | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 5°     |
| 120°   | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 7.5°   |
| 122.5° | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 10°    |
| 125°   | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 12.5°  |
| 127.5° | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 15°    |
| 130°   | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 17.5°  |
| 132.5° | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 20°    |
| 135°   | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 22.5°  |
| 137.5° | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 25°    |
| 140°   | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 27.5°  |
| 142.5° | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 30°    |
| 145°   | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 32.5°  |
| 147.5° | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35°    |
| 150°   | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.5°  |
| 152.5° | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 40°    |
| 155°   | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 42.5°  |
| 157.5° | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 45°    |
| 160°   | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 47.5°  |
| 162.5° | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 50°    |
| 165°   | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 52.5°  |
| 167.5° | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 55°    |
| 170°   | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 57.5°  |
| 172.5° | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 60°    |
| 175°   | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 62.5°  |
| 177.5° | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 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° |
|        |      |      |      |      |      |      |      |      |      |      |      | 110°   |

NUMBER: P173812  
NUMBER: ENV-EXX-LED-E1-SLR-ULG-BBB

REPORT NUMBER: P  
CATALOG NUMBER:

**DISTRIBUTION (continued):**

**CANDELA DISTRIBUTION**

| 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  | 200°  | 205°  | 210°  | 215°  | 165°        |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|
| 210.1 | 210.1 | 210.1 | 210.1 | 210.1 | 210.1 | 210.1 | 210.1 | 210.1 | 210.1 | 210.1 | 112.5° 6.9  |
| 206.9 | 207.9 | 207.5 | 207.2 | 207.5 | 208.2 | 207.9 | 208.2 | 208.5 | 209.2 | 208.8 | 115° 8.1    |
| 207.2 | 208.2 | 208.5 | 208.5 | 209.2 | 210.1 | 210.1 | 210.4 | 210.8 | 211.4 | 211.4 | 117.5° 9.6  |
| 211.7 | 214.0 | 214.0 | 214.3 | 215.3 | 216.3 | 216.6 | 216.9 | 216.6 | 216.6 | 216.6 | 120° 11.3   |
| 218.5 | 221.1 | 221.5 | 223.1 | 224.4 | 224.0 | 224.0 | 224.4 | 223.7 | 223.1 | 222.1 | 122.5° 13.2 |
| 222.1 | 224.4 | 225.0 | 226.6 | 228.6 | 228.9 | 229.9 | 230.5 | 229.9 | 228.3 | 226.6 | 125° 15.5   |
| 221.1 | 223.1 | 224.4 | 226.3 | 228.6 | 229.9 | 231.8 | 232.5 | 232.1 | 230.2 | 228.3 | 127.5° 17.9 |
| 216.9 | 219.2 | 220.8 | 223.4 | 226.0 | 227.9 | 229.9 | 230.8 | 230.8 | 229.2 | 227.9 | 130° 20.4   |
| 210.1 | 212.7 | 215.0 | 217.9 | 221.1 | 223.4 | 225.7 | 226.3 | 226.3 | 225.7 | 226.6 | 132.5° 22.8 |
| 203.0 | 205.9 | 208.5 | 211.4 | 215.6 | 217.9 | 220.5 | 222.4 | 223.4 | 224.7 | 228.9 | 135° 25.2   |
| 193.9 | 195.2 | 198.5 | 201.7 | 207.5 | 211.4 | 216.9 | 222.1 | 227.3 | 233.1 | 241.5 | 137.5° 27.6 |
| 178.1 | 180.3 | 184.2 | 188.8 | 194.6 | 201.7 | 211.7 | 221.8 | 231.2 | 239.9 | 250.3 | 140° 29.9   |
| 164.8 | 169.0 | 173.2 | 178.4 | 184.5 | 191.3 | 203.0 | 215.9 | 227.3 | 237.6 | 249.0 | 142.5° 32.1 |
| 150.5 | 155.7 | 161.2 | 168.0 | 173.9 | 180.0 | 189.7 | 204.0 | 217.6 | 229.2 | 241.2 | 145° 34.0   |
| 134.0 | 139.5 | 145.0 | 152.2 | 158.3 | 166.1 | 174.8 | 188.8 | 204.3 | 217.6 | 231.8 | 147.5° 35.6 |
| 116.2 | 121.1 | 127.2 | 133.7 | 140.8 | 149.9 | 159.3 | 172.2 | 188.4 | 202.7 | 218.9 | 150° 37.3   |
| 99.4  | 104.6 | 110.7 | 117.8 | 125.0 | 134.7 | 145.4 | 157.7 | 172.6 | 187.8 | 204.9 | 152.5° 38.8 |
| 83.5  | 90.3  | 96.8  | 103.9 | 111.4 | 120.4 | 131.8 | 145.0 | 159.9 | 176.1 | 194.3 | 155° 40.0   |
| 70.3  | 75.4  | 82.2  | 88.1  | 96.2  | 104.9 | 116.6 | 131.4 | 148.6 | 165.8 | 184.9 | 157.5° 41.1 |
| 58.6  | 61.8  | 67.7  | 74.8  | 82.2  | 91.3  | 101.0 | 115.9 | 133.4 | 152.2 | 173.5 | 160° 42.2   |
| 51.5  | 53.1  | 57.3  | 63.8  | 70.9  | 80.0  | 88.4  | 101.3 | 118.8 | 137.3 | 159.3 | 162.5° 43.2 |
| 47.9  | 48.6  | 50.8  | 55.7  | 62.5  | 70.6  | 79.6  | 90.7  | 106.2 | 124.3 | 145.4 | 165° 44.0   |
| 46.0  | 46.3  | 46.9  | 50.5  | 56.3  | 63.8  | 72.8  | 81.6  | 95.5  | 112.7 | 133.1 | 167.5° 44.4 |
| 43.7  | 44.0  | 44.4  | 46.3  | 50.5  | 57.0  | 64.8  | 71.9  | 84.5  | 99.7  | 119.1 | 170° 44.5   |
| 41.4  | 42.1  | 42.7  | 43.4  | 46.3  | 50.5  | 56.3  | 62.5  | 71.2  | 84.5  | 100.4 | 172.5° 44.9 |
| 38.5  | 39.2  | 40.1  | 40.8  | 41.8  | 44.4  | 47.9  | 51.8  | 56.3  | 65.7  | 78.7  | 175° 45.5   |
| 35.9  | 36.6  | 36.9  | 37.2  | 37.9  | 38.5  | 39.8  | 40.8  | 43.1  | 48.6  | 57.6  | 177.5° 45.7 |
| 32.4  | 33.0  | 33.0  | 33.3  | 33.7  | 33.7  | 34.3  | 34.6  | 35.3  | 36.9  | 40.8  | 180° 45.6   |
| 29.5  | 29.8  | 30.1  | 30.4  | 30.4  | 30.4  | 30.1  | 30.4  | 30.1  | 30.1  | 31.7  |             |
| 25.9  | 26.2  | 26.5  | 26.9  | 27.2  | 27.5  | 27.8  | 27.8  | 27.5  | 26.9  | 26.9  |             |
| 22.0  | 22.0  | 22.7  | 23.0  | 23.3  | 24.3  | 24.9  | 24.3  | 24.3  | 24.0  | 24.0  |             |
| 18.5  | 19.1  | 19.4  | 19.4  | 20.1  | 21.0  | 21.7  | 21.4  | 20.4  | 20.4  | 20.7  |             |
| 14.2  | 14.6  | 14.9  | 15.2  | 15.5  | 16.5  | 17.5  | 17.8  | 17.2  | 17.5  | 17.5  |             |
| 9.4   | 9.7   | 10.4  | 10.7  | 11.0  | 12.0  | 13.0  | 13.9  | 13.6  | 14.2  | 13.6  |             |
| 4.2   | 4.9   | 5.2   | 5.2   | 6.2   | 7.1   | 8.4   | 9.4   | 10.7  | 11.0  | 10.0  |             |
| 0.0   | 0.3   | 0.3   | 0.3   | 1.3   | 2.3   | 4.2   | 6.5   | 8.7   | 6.8   | 5.2   |             |
| 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |             |
| 0.0   | 0.0   | 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   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |             |
| 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   |             |
| 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   |             |
| 2.8   | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   |             |
| 3.8   | 3.8   | 3.8   | 3.8   | 3.8   | 3.8   | 3.8   | 3.8   | 3.8   | 3.8   | 3.8   |             |
| 4.8   | 4.8   | 4.8   | 4.8   | 4.8   | 4.8   | 4.8   | 4.8   | 4.8   | 4.8   | 4.8   |             |
| 5.8   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   |             |

'173812  
ENV-EXX-LED-E1-SLR-ULG-BBB

REPORT NUMBER: P173812  
CATALOG NUMBER: ENV-EXX-

| TIAN (continued): |      |      |      |      |      |      |      |      |      | CANDELA DISTRIBUTION (con |       |       |
|-------------------|------|------|------|------|------|------|------|------|------|---------------------------|-------|-------|
| 170°              | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |                           | 220°  | 225°  |
| 6.9               | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 0°                        | 210.1 | 210.1 |
| 8.1               | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 2.5°                      | 208.8 | 209.2 |
| 9.6               | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 5°                        | 211.7 | 211.7 |
| 11.3              | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 7.5°                      | 215.9 | 215.9 |
| 13.2              | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 10°                       | 221.5 | 220.5 |
| 15.5              | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 12.5°                     | 224.7 | 223.1 |
| 17.9              | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 15°                       | 226.6 | 225.0 |
| 20.4              | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 17.5°                     | 227.3 | 227.3 |
| 22.8              | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 20°                       | 228.9 | 231.5 |
| 25.2              | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 22.5°                     | 234.4 | 240.9 |
| 27.6              | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 25°                       | 250.6 | 259.7 |
| 29.9              | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 27.5°                     | 263.2 | 275.2 |
| 32.1              | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 30°                       | 264.2 | 279.1 |
| 34.0              | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 32.5°                     | 258.4 | 274.6 |
| 35.6              | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35°                       | 249.6 | 268.1 |
| 37.3              | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.5°                     | 238.9 | 259.7 |
| 38.8              | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 40°                       | 226.6 | 248.0 |
| 40.0              | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 42.5°                     | 215.3 | 237.3 |
| 41.1              | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 45°                       | 207.2 | 230.5 |
| 42.2              | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 47.5°                     | 198.5 | 223.4 |
| 43.2              | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 50°                       | 184.5 | 214.0 |
| 44.0              | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 52.5°                     | 169.7 | 199.1 |
| 44.4              | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 55°                       | 156.1 | 184.2 |
| 44.5              | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 57.5°                     | 141.5 | 170.0 |
| 44.9              | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 60°                       | 122.4 | 150.9 |
| 45.5              | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 62.5°                     | 97.8  | 124.6 |
| 45.7              | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 65°                       | 70.3  | 92.9  |
| 45.6              | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 67.5°                     | 47.6  | 63.1  |
|                   |      |      |      |      |      |      |      |      |      | 70°                       | 34.6  | 43.1  |
|                   |      |      |      |      |      |      |      |      |      | 72.5°                     | 28.2  | 32.4  |
|                   |      |      |      |      |      |      |      |      |      | 75°                       | 24.9  | 27.2  |
|                   |      |      |      |      |      |      |      |      |      | 77.5°                     | 22.0  | 23.3  |
|                   |      |      |      |      |      |      |      |      |      | 80°                       | 17.5  | 18.8  |
|                   |      |      |      |      |      |      |      |      |      | 82.5°                     | 13.6  | 14.9  |
|                   |      |      |      |      |      |      |      |      |      | 85°                       | 10.0  | 11.0  |
|                   |      |      |      |      |      |      |      |      |      | 87.5°                     | 4.5   | 4.5   |
|                   |      |      |      |      |      |      |      |      |      | 90°                       | 0.0   | 0.0   |
|                   |      |      |      |      |      |      |      |      |      | 92.5°                     | 0.0   | 0.0   |
|                   |      |      |      |      |      |      |      |      |      | 95°                       | 0.2   | 0.2   |
|                   |      |      |      |      |      |      |      |      |      | 97.5°                     | 0.5   | 0.5   |
|                   |      |      |      |      |      |      |      |      |      | 100°                      | 1.6   | 1.6   |
|                   |      |      |      |      |      |      |      |      |      | 102.5°                    | 2.8   | 2.8   |
|                   |      |      |      |      |      |      |      |      |      | 105°                      | 3.8   | 3.8   |
|                   |      |      |      |      |      |      |      |      |      | 107.5°                    | 4.8   | 4.8   |
|                   |      |      |      |      |      |      |      |      |      | 110°                      | 5.8   | 5.8   |

LED-E1-SLR-ULG-BBB

REPORT NUMBER: P173812

CATALOG NUMBER: ENV-EXX-LED-E1-SLI

**tinued):**

**CANDELA DISTRIBUTION (continued):**

| 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |        | 220° | 225° | 230° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|------|------|
| 210.1 | 210.1 | 210.1 | 210.1 | 210.1 | 210.1 | 210.1 | 210.1 | 210.1 | 112.5° | 6.9  | 6.9  | 6.9  |
| 209.5 | 209.8 | 209.8 | 210.4 | 210.8 | 211.4 | 211.7 | 211.7 | 211.7 | 115°   | 8.1  | 8.1  | 8.1  |
| 212.4 | 212.7 | 213.0 | 214.0 | 214.3 | 215.3 | 216.3 | 216.6 | 217.6 | 117.5° | 9.6  | 9.6  | 9.6  |
| 215.9 | 216.9 | 217.2 | 217.9 | 218.5 | 220.2 | 221.5 | 222.1 | 223.1 | 120°   | 11.3 | 11.3 | 11.3 |
| 220.2 | 220.5 | 220.5 | 221.1 | 222.7 | 223.7 | 225.3 | 228.3 | 230.2 | 122.5° | 13.2 | 13.2 | 13.2 |
| 223.1 | 222.1 | 222.7 | 223.4 | 225.0 | 227.3 | 229.9 | 234.1 | 238.0 | 125°   | 15.5 | 15.5 | 15.5 |
| 225.0 | 225.0 | 226.6 | 227.9 | 230.8 | 234.4 | 239.3 | 245.1 | 250.9 | 127.5° | 17.9 | 17.9 | 17.9 |
| 228.6 | 229.5 | 233.1 | 235.7 | 240.9 | 246.1 | 252.2 | 260.3 | 269.0 | 130°   | 20.4 | 20.4 | 20.4 |
| 235.1 | 237.6 | 241.5 | 245.7 | 250.9 | 258.7 | 269.0 | 279.4 | 291.1 | 132.5° | 22.8 | 22.8 | 22.8 |
| 245.4 | 251.2 | 257.7 | 262.9 | 269.0 | 280.1 | 291.4 | 304.3 | 318.9 | 135°   | 25.2 | 25.2 | 25.2 |
| 268.1 | 274.6 | 284.3 | 293.0 | 301.7 | 317.6 | 332.2 | 347.1 | 366.8 | 137.5° | 27.6 | 27.6 | 27.6 |
| 287.8 | 298.2 | 313.4 | 326.0 | 338.0 | 357.1 | 373.3 | 397.9 | 418.9 | 140°   | 29.9 | 29.9 | 29.9 |
| 296.2 | 313.1 | 332.2 | 350.3 | 372.7 | 391.4 | 415.4 | 444.8 | 472.4 | 142.5° | 32.1 | 32.1 | 32.1 |
| 294.3 | 314.7 | 338.7 | 363.3 | 389.8 | 419.9 | 447.4 | 480.5 | 516.4 | 145°   | 34.0 | 34.0 | 34.0 |
| 289.8 | 312.8 | 340.6 | 370.1 | 401.8 | 439.3 | 474.0 | 515.1 | 559.8 | 147.5° | 35.6 | 35.6 | 35.6 |
| 284.3 | 311.1 | 342.2 | 376.9 | 416.7 | 461.4 | 506.0 | 559.8 | 615.5 | 150°   | 37.3 | 37.3 | 37.3 |
| 275.8 | 306.6 | 344.2 | 387.2 | 436.1 | 488.6 | 547.2 | 611.3 | 671.2 | 152.5° | 38.8 | 38.8 | 38.8 |
| 266.5 | 301.1 | 346.4 | 401.5 | 463.0 | 528.1 | 595.7 | 661.1 | 729.4 | 155°   | 40.0 | 40.0 | 40.0 |
| 260.3 | 299.5 | 352.3 | 418.0 | 489.5 | 565.0 | 640.4 | 712.0 | 786.4 | 157.5° | 41.1 | 41.1 | 41.1 |
| 256.7 | 300.5 | 358.4 | 430.3 | 509.3 | 592.5 | 672.5 | 754.7 | 832.7 | 160°   | 42.2 | 42.2 | 42.2 |
| 253.5 | 303.0 | 363.9 | 438.1 | 521.9 | 610.3 | 697.7 | 786.4 | 872.9 | 162.5° | 43.2 | 43.2 | 43.2 |
| 245.1 | 302.1 | 365.9 | 440.3 | 528.4 | 621.9 | 715.2 | 808.8 | 900.7 | 165°   | 44.0 | 44.0 | 44.0 |
| 230.5 | 293.0 | 361.6 | 438.1 | 530.3 | 628.7 | 726.5 | 825.3 | 916.6 | 167.5° | 44.4 | 44.4 | 44.4 |
| 211.1 | 274.6 | 346.7 | 428.3 | 523.5 | 625.5 | 730.4 | 836.0 | 925.6 | 170°   | 44.5 | 44.5 | 44.5 |
| 189.4 | 245.7 | 320.5 | 406.0 | 501.5 | 605.8 | 713.2 | 825.9 | 915.3 | 172.5° | 44.9 | 44.9 | 44.9 |
| 159.6 | 209.8 | 284.9 | 368.1 | 461.4 | 565.0 | 662.4 | 785.4 | 876.4 | 175°   | 45.5 | 45.5 | 45.5 |
| 122.1 | 166.7 | 231.5 | 316.3 | 411.2 | 501.8 | 590.2 | 713.2 | 814.3 | 177.5° | 45.7 | 45.7 | 45.7 |
| 84.2  | 118.8 | 173.2 | 247.4 | 336.1 | 419.6 | 507.7 | 622.6 | 740.4 | 180°   | 45.6 | 45.6 | 45.6 |
| 54.7  | 77.1  | 114.6 | 171.6 | 241.9 | 318.9 | 392.1 | 497.3 | 623.6 |        |      |      |      |
| 38.9  | 49.2  | 69.9  | 105.9 | 159.3 | 218.9 | 278.8 | 350.0 | 470.4 |        |      |      |      |
| 30.8  | 35.9  | 43.1  | 61.5  | 93.2  | 136.3 | 184.5 | 229.5 | 330.2 |        |      |      |      |
| 24.9  | 27.2  | 30.8  | 37.9  | 55.0  | 78.7  | 108.8 | 144.7 | 205.3 |        |      |      |      |
| 20.1  | 21.7  | 24.0  | 26.9  | 34.0  | 45.3  | 63.1  | 79.6  | 117.2 |        |      |      |      |
| 16.2  | 18.1  | 18.8  | 19.1  | 22.0  | 25.9  | 33.3  | 45.0  | 67.0  |        |      |      |      |
| 11.7  | 12.3  | 12.3  | 12.6  | 13.3  | 14.2  | 19.1  | 33.0  | 48.9  |        |      |      |      |
| 4.5   | 3.9   | 4.2   | 3.2   | 3.6   | 3.9   | 6.2   | 7.1   | 11.3  |        |      |      |      |
| 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |        |      |      |      |
| 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |        |      |      |      |
| 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |        |      |      |      |
| 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   |        |      |      |      |
| 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   |        |      |      |      |
| 2.8   | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   |        |      |      |      |
| 3.8   | 3.8   | 3.8   | 3.8   | 3.8   | 3.8   | 3.8   | 3.8   | 3.8   |        |      |      |      |
| 4.8   | 4.8   | 4.8   | 4.8   | 4.8   | 4.8   | 4.8   | 4.8   | 4.8   |        |      |      |      |
| 5.8   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   |        |      |      |      |

REPORT NUMBER: P173812

CATALOG NUMBER: ENV-EXX-LED-E1-SLR-ULG-BBE

R-ULG-BBB

**CANDELA DISTRIBUTION (continued):**

| 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |        | 275°   | 280°   | 285°   | 290°   |
|------|------|------|------|------|------|------|------|--------|--------|--------|--------|--------|
| 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 0°     | 210.1  | 210.1  | 210.1  | 210.1  |
| 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 2.5°   | 212.7  | 212.7  | 212.4  | 212.4  |
| 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 5°     | 218.2  | 219.2  | 218.5  | 219.5  |
| 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 7.5°   | 225.3  | 226.0  | 226.6  | 227.9  |
| 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 10°    | 232.8  | 235.1  | 237.3  | 238.3  |
| 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 12.5°  | 241.5  | 245.7  | 250.3  | 252.5  |
| 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 15°    | 256.7  | 263.2  | 268.4  | 272.0  |
| 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 17.5°  | 276.8  | 285.6  | 294.3  | 300.5  |
| 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 20°    | 302.4  | 315.0  | 327.3  | 335.1  |
| 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 22.5°  | 334.8  | 349.7  | 363.3  | 378.2  |
| 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 25°    | 379.4  | 400.2  | 424.1  | 437.1  |
| 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 27.5°  | 443.2  | 471.4  | 488.2  | 517.0  |
| 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 30°    | 504.1  | 538.7  | 579.5  | 619.4  |
| 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 32.5°  | 555.6  | 606.4  | 666.3  | 726.8  |
| 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35°    | 609.6  | 674.1  | 743.4  | 821.1  |
| 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.5°  | 674.4  | 741.1  | 815.9  | 901.0  |
| 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 40°    | 733.3  | 809.4  | 901.0  | 979.7  |
| 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 42.5°  | 798.4  | 879.3  | 982.6  | 1073.6 |
| 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 45°    | 861.5  | 946.0  | 1059.0 | 1158.7 |
| 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 47.5°  | 916.9  | 1001.7 | 1122.2 | 1226.1 |
| 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 50°    | 961.3  | 1055.8 | 1173.3 | 1273.0 |
| 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 52.5°  | 995.9  | 1095.9 | 1212.2 | 1305.4 |
| 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 55°    | 1014.0 | 1115.0 | 1224.1 | 1319.0 |
| 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 57.5°  | 1016.6 | 1113.7 | 1214.1 | 1306.7 |
| 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 60°    | 992.0  | 1078.1 | 1174.0 | 1270.8 |
| 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 62.5°  | 937.0  | 1004.3 | 1095.3 | 1191.1 |
| 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 65°    | 866.4  | 910.4  | 971.0  | 1064.9 |
| 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 67.5°  | 797.1  | 826.2  | 858.0  | 927.3  |
|      |      |      |      |      |      |      |      | 70°    | 690.6  | 714.9  | 746.6  | 789.7  |
|      |      |      |      |      |      |      |      | 72.5°  | 537.1  | 569.2  | 591.8  | 633.6  |
|      |      |      |      |      |      |      |      | 75°    | 403.7  | 422.2  | 454.9  | 493.4  |
|      |      |      |      |      |      |      |      | 77.5°  | 283.9  | 302.7  | 340.0  | 384.0  |
|      |      |      |      |      |      |      |      | 80°    | 190.7  | 203.6  | 226.6  | 264.5  |
|      |      |      |      |      |      |      |      | 82.5°  | 116.9  | 131.8  | 151.2  | 183.9  |
|      |      |      |      |      |      |      |      | 85°    | 78.4   | 101.7  | 126.6  | 151.2  |
|      |      |      |      |      |      |      |      | 87.5°  | 33.0   | 55.7   | 70.6   | 74.1   |
|      |      |      |      |      |      |      |      | 90°    | 0.0    | 0.0    | 0.0    | 0.0    |
|      |      |      |      |      |      |      |      | 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    |
|      |      |      |      |      |      |      |      | 95°    | 0.2    | 0.2    | 0.2    | 0.2    |
|      |      |      |      |      |      |      |      | 97.5°  | 0.5    | 0.5    | 0.5    | 0.5    |
|      |      |      |      |      |      |      |      | 100°   | 1.6    | 1.6    | 1.6    | 1.6    |
|      |      |      |      |      |      |      |      | 102.5° | 2.8    | 2.8    | 2.8    | 2.8    |
|      |      |      |      |      |      |      |      | 105°   | 3.8    | 3.8    | 3.8    | 3.8    |
|      |      |      |      |      |      |      |      | 107.5° | 4.8    | 4.8    | 4.8    | 4.8    |
|      |      |      |      |      |      |      |      | 110°   | 5.8    | 5.8    | 5.8    | 5.8    |

REPORT NUMBER: P173812

CATALOG NUMBER: ENV-EXX-LED-E1-SLR-ULG-BBB

**CANDELA DISTRIBUTION (continued):**

| 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°  |        | 275° | 280° | 285° | 290° | 295° |
|--------|--------|--------|--------|--------|--------|-------|--------|------|------|------|------|------|
| 210.1  | 210.1  | 210.1  | 210.1  | 210.1  | 210.1  | 210.1 | 112.5° | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  |
| 213.4  | 213.0  | 213.7  | 213.7  | 213.4  | 213.4  | 214.3 | 115°   | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  |
| 220.2  | 220.5  | 221.1  | 220.5  | 221.8  | 220.2  | 220.5 | 117.5° | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  |
| 229.5  | 229.9  | 230.8  | 230.5  | 231.5  | 230.5  | 229.2 | 120°   | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| 241.5  | 242.2  | 242.2  | 243.8  | 245.4  | 243.5  | 241.2 | 122.5° | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 |
| 255.4  | 257.7  | 256.7  | 260.0  | 261.6  | 260.3  | 258.7 | 125°   | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 |
| 274.6  | 279.1  | 278.4  | 284.6  | 286.9  | 285.9  | 286.2 | 127.5° | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 |
| 303.0  | 309.5  | 310.5  | 320.2  | 326.4  | 325.4  | 323.8 | 130°   | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 |
| 336.1  | 352.9  | 356.8  | 365.2  | 372.0  | 374.6  | 374.3 | 132.5° | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 |
| 392.1  | 404.4  | 413.1  | 428.3  | 434.5  | 440.3  | 438.7 | 135°   | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 |
| 455.9  | 467.2  | 486.6  | 506.0  | 512.2  | 517.7  | 524.8 | 137.5° | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| 537.4  | 554.0  | 584.7  | 610.9  | 625.8  | 621.3  | 619.0 | 140°   | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 |
| 647.8  | 689.3  | 712.0  | 733.3  | 743.0  | 728.8  | 710.7 | 142.5° | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 |
| 779.9  | 828.5  | 842.8  | 853.1  | 834.7  | 815.2  | 762.1 | 145°   | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 876.7  | 924.3  | 953.8  | 964.8  | 925.3  | 867.7  | 795.8 | 147.5° | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 |
| 964.2  | 1012.4 | 1025.4 | 1030.2 | 977.1  | 902.6  | 832.7 | 150°   | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 |
| 1057.1 | 1097.6 | 1105.0 | 1102.4 | 1031.8 | 943.8  | 878.4 | 152.5° | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 |
| 1141.6 | 1183.0 | 1176.2 | 1164.9 | 1084.6 | 995.6  | 923.4 | 155°   | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 1221.9 | 1252.3 | 1240.0 | 1211.8 | 1134.5 | 1035.4 | 958.7 | 157.5° | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| 1275.6 | 1301.2 | 1287.9 | 1252.3 | 1168.8 | 1062.3 | 978.1 | 160°   | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 1316.4 | 1335.8 | 1328.1 | 1276.6 | 1188.9 | 1078.8 | 986.8 | 162.5° | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 |
| 1336.8 | 1355.9 | 1351.4 | 1281.1 | 1191.4 | 1081.4 | 982.6 | 165°   | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 |
| 1344.3 | 1366.0 | 1350.1 | 1264.3 | 1174.3 | 1071.7 | 968.0 | 167.5° | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| 1338.1 | 1348.1 | 1324.8 | 1232.2 | 1139.3 | 1041.5 | 947.3 | 170°   | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 1315.4 | 1308.3 | 1276.3 | 1176.6 | 1089.8 | 999.8  | 924.3 | 172.5° | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| 1252.0 | 1233.5 | 1207.6 | 1112.1 | 1023.7 | 933.7  | 888.7 | 175°   | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 1121.2 | 1116.0 | 1104.0 | 1033.1 | 945.4  | 859.6  | 830.8 | 177.5° | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| 953.5  | 948.3  | 949.9  | 902.0  | 838.5  | 755.0  | 755.7 | 180°   | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| 817.5  | 789.0  | 755.3  | 703.9  | 667.0  | 655.6  | 692.2 |        |      |      |      |      |      |
| 657.9  | 642.3  | 614.8  | 569.8  | 528.1  | 542.6  | 624.5 |        |      |      |      |      |      |
| 508.6  | 499.2  | 519.3  | 524.5  | 508.3  | 498.6  | 526.4 |        |      |      |      |      |      |
| 416.7  | 437.1  | 469.1  | 509.9  | 513.8  | 499.6  | 446.8 |        |      |      |      |      |      |
| 317.3  | 370.4  | 414.7  | 469.8  | 464.0  | 433.2  | 375.6 |        |      |      |      |      |      |
| 222.1  | 273.6  | 315.3  | 361.6  | 360.0  | 331.9  | 303.4 |        |      |      |      |      |      |
| 170.0  | 186.2  | 202.0  | 250.6  | 269.4  | 247.7  | 216.6 |        |      |      |      |      |      |
| 80.3   | 80.9   | 97.5   | 120.1  | 128.9  | 147.0  | 145.0 |        |      |      |      |      |      |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   |        |      |      |      |      |      |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   |        |      |      |      |      |      |
| 0.2    | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    | 0.2   |        |      |      |      |      |      |
| 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5   |        |      |      |      |      |      |
| 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6   |        |      |      |      |      |      |
| 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8   |        |      |      |      |      |      |
| 3.8    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8   |        |      |      |      |      |      |
| 4.8    | 4.8    | 4.8    | 4.8    | 4.8    | 4.8    | 4.8   |        |      |      |      |      |      |
| 5.8    | 5.8    | 5.8    | 5.8    | 5.8    | 5.8    | 5.8   |        |      |      |      |      |      |

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CATALOG NUMBER: ENV-EXX-LED-E1-SLR-ULG-BBB

**CANDELA DISTRIBUTION (continued):**

| 300° | 305° | 310° | 315° | 320° | 325° |        | 330°  | 335°  | 340°  | 345°  | 350°  | 355°  |
|------|------|------|------|------|------|--------|-------|-------|-------|-------|-------|-------|
| 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 0°     | 210.1 | 210.1 | 210.1 | 210.1 | 210.1 | 210.1 |
| 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 2.5°   | 214.7 | 214.3 | 214.3 | 214.3 | 214.7 | 214.3 |
| 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 5°     | 221.1 | 220.5 | 220.2 | 220.2 | 219.8 | 219.8 |
| 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 7.5°   | 229.5 | 228.3 | 228.3 | 227.3 | 227.0 | 226.0 |
| 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 10°    | 240.9 | 239.6 | 239.3 | 236.7 | 236.7 | 234.4 |
| 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 12.5°  | 257.4 | 257.4 | 257.4 | 254.2 | 253.5 | 249.6 |
| 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 15°    | 285.9 | 283.3 | 285.6 | 280.1 | 279.7 | 274.6 |
| 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 17.5°  | 324.4 | 324.4 | 319.9 | 317.3 | 315.7 | 308.2 |
| 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 20°    | 375.6 | 375.9 | 368.1 | 361.0 | 357.8 | 349.3 |
| 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 22.5°  | 440.6 | 434.5 | 424.8 | 419.6 | 414.4 | 400.5 |
| 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 25°    | 526.1 | 523.5 | 506.4 | 487.6 | 479.8 | 458.8 |
| 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 27.5°  | 610.0 | 604.5 | 576.9 | 544.9 | 525.1 | 496.3 |
| 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 30°    | 683.8 | 647.5 | 614.8 | 576.3 | 546.2 | 510.2 |
| 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 32.5°  | 722.3 | 676.7 | 629.1 | 597.3 | 559.5 | 519.6 |
| 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35°    | 752.1 | 703.2 | 655.9 | 614.8 | 572.1 | 527.1 |
| 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.5°  | 790.0 | 738.5 | 686.4 | 637.5 | 585.4 | 532.6 |
| 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 40°    | 832.1 | 773.1 | 708.7 | 649.5 | 590.9 | 530.6 |
| 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 42.5°  | 867.0 | 795.8 | 720.0 | 653.4 | 588.9 | 522.6 |
| 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 45°    | 886.5 | 805.2 | 721.0 | 649.1 | 581.2 | 512.5 |
| 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 47.5°  | 895.5 | 805.5 | 714.5 | 639.8 | 570.8 | 498.3 |
| 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 50°    | 894.6 | 797.4 | 702.2 | 627.1 | 559.1 | 483.4 |
| 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 52.5°  | 884.8 | 784.2 | 688.0 | 617.1 | 549.1 | 470.8 |
| 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 55°    | 869.9 | 769.9 | 673.7 | 610.3 | 540.7 | 460.4 |
| 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 57.5°  | 853.1 | 757.6 | 663.4 | 609.0 | 535.8 | 458.4 |
| 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 60°    | 845.7 | 758.9 | 669.9 | 599.9 | 533.2 | 462.7 |
| 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 62.5°  | 840.8 | 771.2 | 683.1 | 606.1 | 537.4 | 480.5 |
| 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 65°    | 821.1 | 788.4 | 703.5 | 628.1 | 567.9 | 522.2 |
| 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 67.5°  | 797.4 | 793.2 | 711.6 | 641.0 | 602.5 | 576.6 |
|      |      |      |      |      |      | 70°    | 772.8 | 788.0 | 723.3 | 675.0 | 653.7 | 643.3 |
|      |      |      |      |      |      | 72.5°  | 733.3 | 750.8 | 690.6 | 661.8 | 655.3 | 647.8 |
|      |      |      |      |      |      | 75°    | 611.6 | 614.8 | 568.9 | 553.0 | 564.3 | 546.8 |
|      |      |      |      |      |      | 77.5°  | 439.7 | 448.1 | 418.3 | 422.5 | 459.4 | 421.5 |
|      |      |      |      |      |      | 80°    | 325.7 | 292.7 | 273.9 | 286.5 | 321.8 | 267.8 |
|      |      |      |      |      |      | 82.5°  | 268.4 | 217.2 | 184.2 | 201.4 | 215.0 | 158.0 |
|      |      |      |      |      |      | 85°    | 206.6 | 165.8 | 136.3 | 110.1 | 104.9 | 67.7  |
|      |      |      |      |      |      | 87.5°  | 162.2 | 119.8 | 66.7  | 37.6  | 25.3  | 1.6   |
|      |      |      |      |      |      | 90°    | 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   |
|      |      |      |      |      |      | 95°    | 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   |
|      |      |      |      |      |      | 100°   | 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   |
|      |      |      |      |      |      | 105°   | 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   |
|      |      |      |      |      |      | 110°   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   | 5.8   |

REPORT NUMBER: P173812

CATALOG NUMBER: ENV-EXX-LED-E1-SLR-ULG-BBB

**CANDELA DISTRIBUTION (continued):**

| 360°  |        | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|-------|--------|------|------|------|------|------|------|------|
| 210.1 | 112.5° | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  |
| 214.7 | 115°   | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  |
| 219.8 | 117.5° | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  | 9.6  |
| 226.0 | 120°   | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| 235.4 | 122.5° | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 |
| 249.0 | 125°   | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 |
| 273.3 | 127.5° | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 |
| 304.7 | 130°   | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 |
| 343.2 | 132.5° | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 |
| 386.6 | 135°   | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 |
| 436.1 | 137.5° | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| 466.5 | 140°   | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 |
| 473.0 | 142.5° | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 |
| 477.5 | 145°   | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 478.8 | 147.5° | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 |
| 476.9 | 150°   | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 |
| 469.1 | 152.5° | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 |
| 459.1 | 155°   | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 446.5 | 157.5° | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| 430.9 | 160°   | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 416.4 | 162.5° | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 |
| 405.0 | 165°   | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 |
| 397.9 | 167.5° | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| 398.9 | 170°   | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 408.9 | 172.5° | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| 434.2 | 175°   | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 482.1 | 177.5° | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| 529.0 | 180°   | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| 574.4 |        |      |      |      |      |      |      |      |
| 544.6 |        |      |      |      |      |      |      |      |
| 415.7 |        |      |      |      |      |      |      |      |
| 299.2 |        |      |      |      |      |      |      |      |
| 173.5 |        |      |      |      |      |      |      |      |
| 108.5 |        |      |      |      |      |      |      |      |
| 46.9  |        |      |      |      |      |      |      |      |
| 1.6   |        |      |      |      |      |      |      |      |
| 0.0   |        |      |      |      |      |      |      |      |
| 0.0   |        |      |      |      |      |      |      |      |
| 0.2   |        |      |      |      |      |      |      |      |
| 0.5   |        |      |      |      |      |      |      |      |
| 1.6   |        |      |      |      |      |      |      |      |
| 2.8   |        |      |      |      |      |      |      |      |
| 3.8   |        |      |      |      |      |      |      |      |
| 4.8   |        |      |      |      |      |      |      |      |
| 5.8   |        |      |      |      |      |      |      |      |

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