

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: P89332

Luminaire Tested: **ENC-CXX-LED-E1-SLL-BBB**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P89332  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P21334)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ENC-CXX-LED-E1-SLL-BBB  
Description: ENTRI LED LUMINAIRE, EMERGENCY MODE  
LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1017.3 lumens  
Efficiency: N/A  
Efficacy: 185.0 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B0 - U0 - 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



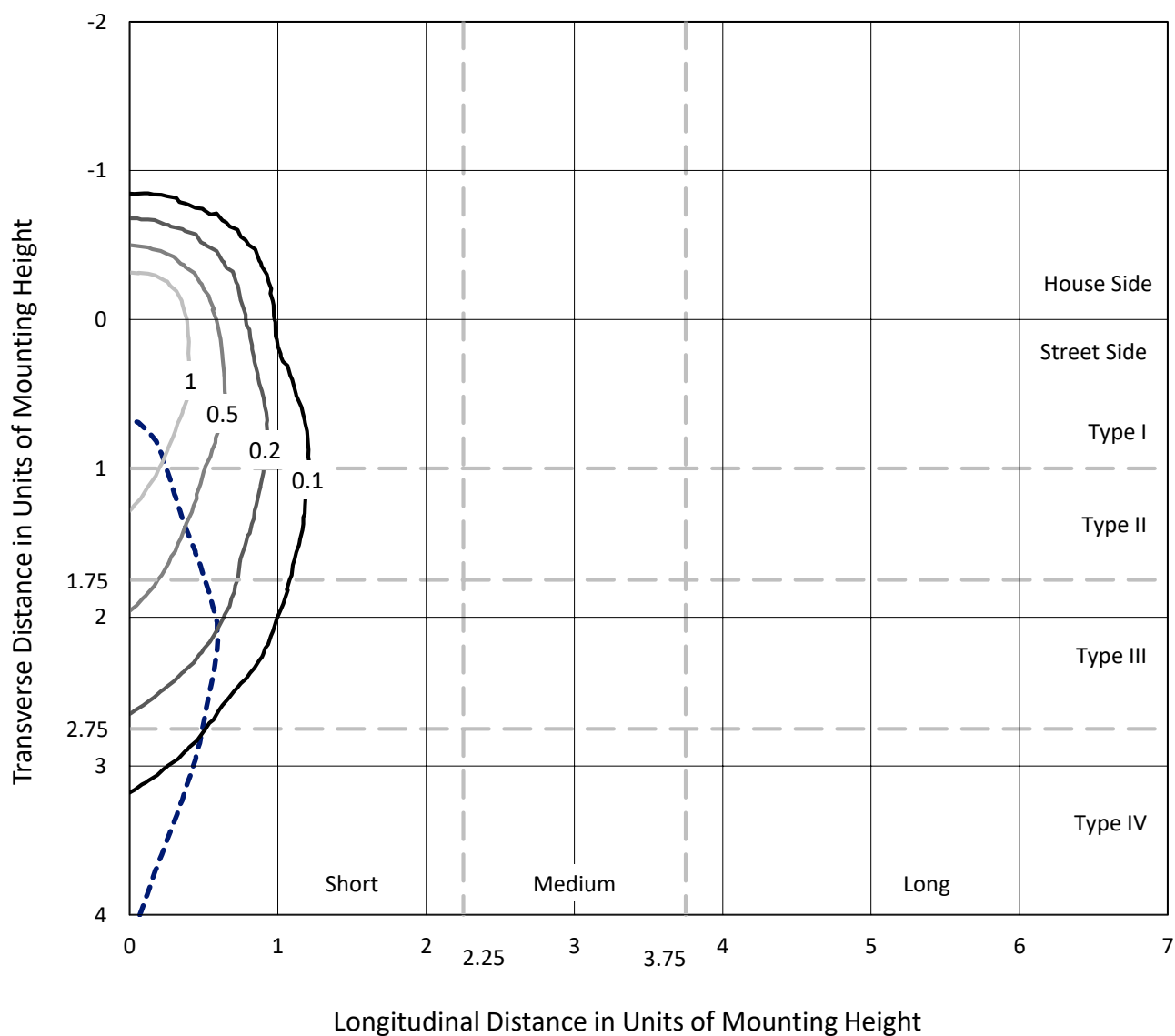
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CATALOG NUMBER: ENC-CXX-LED-E1-SLL-BBB

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

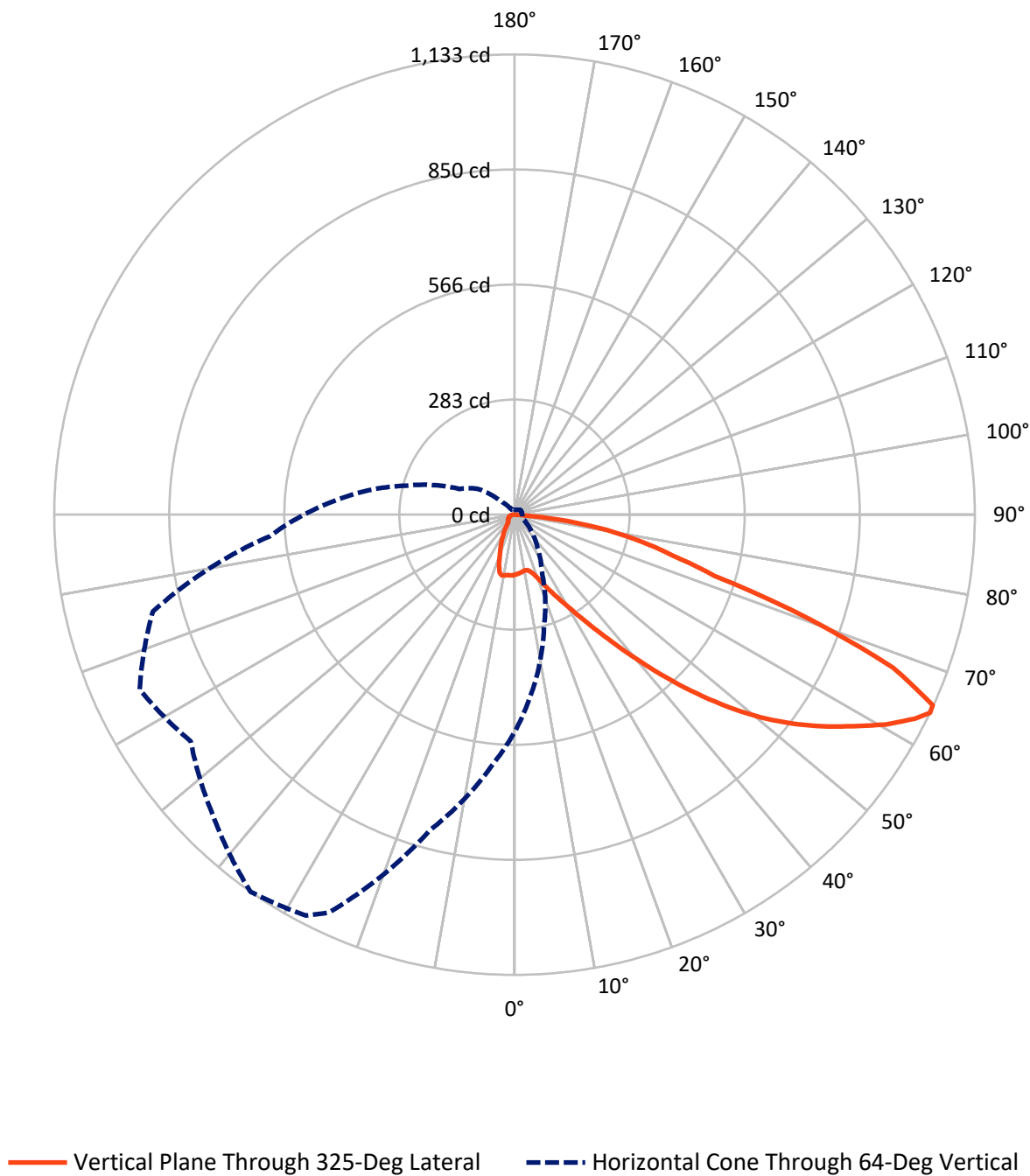


Based on 10 foot mounting height. Maximum calculated value = 1.6 fc  
Type IV - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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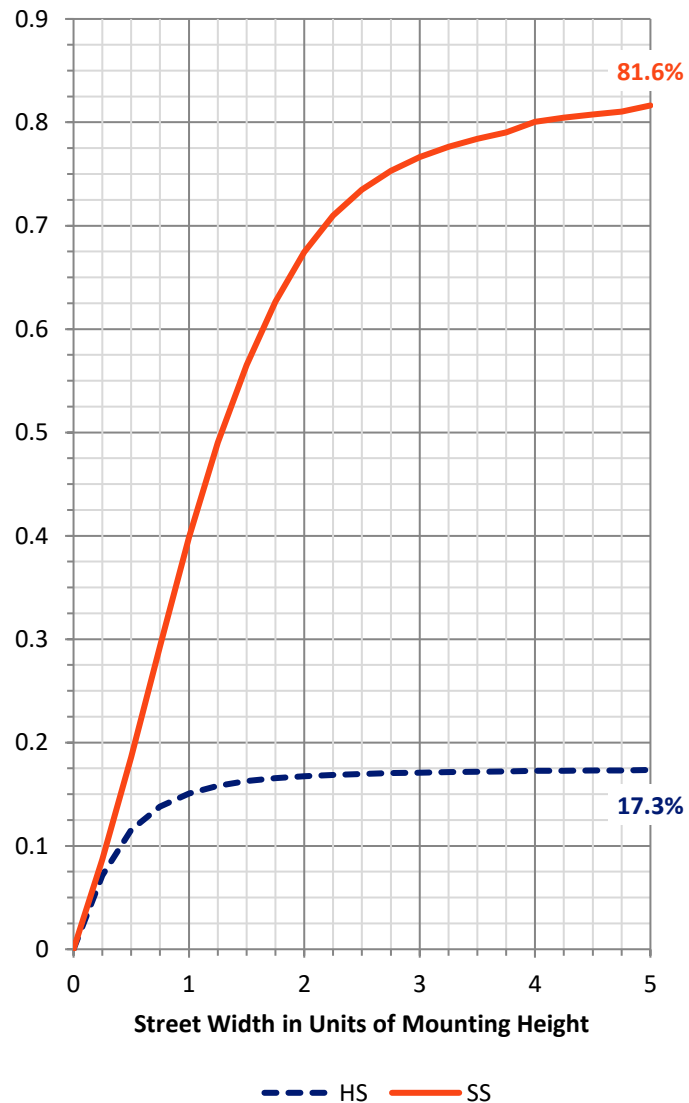
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 178.5    | 0.0    | 178.5  |
|                    | % Fixture | 17.5     | 0.0    | 17.5   |
| <b>Street Side</b> | Lumens    | 838.9    | 0.0    | 838.9  |
|                    | % Fixture | 82.5     | 0.0    | 82.5   |
| <b>Total</b>       | Lumens    | 1017.3   | 0.0    | 1017.3 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 13.9   | 1.4       |
| 10°-20°   | 40.0   | 3.9       |
| 20°-30°   | 64.6   | 6.3       |
| 30°-40°   | 99.1   | 9.7       |
| 40°-50°   | 153.1  | 15.1      |
| 50°-60°   | 218.7  | 21.5      |
| 60°-70°   | 269.5  | 26.5      |
| 70°-80°   | 136.5  | 13.4      |
| 80°-90°   | 21.8   | 2.1       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 1017.3 | 100.0     |
| 0°-180°   | 1017.3 | 100.0     |

**Coefficient of Utilization**



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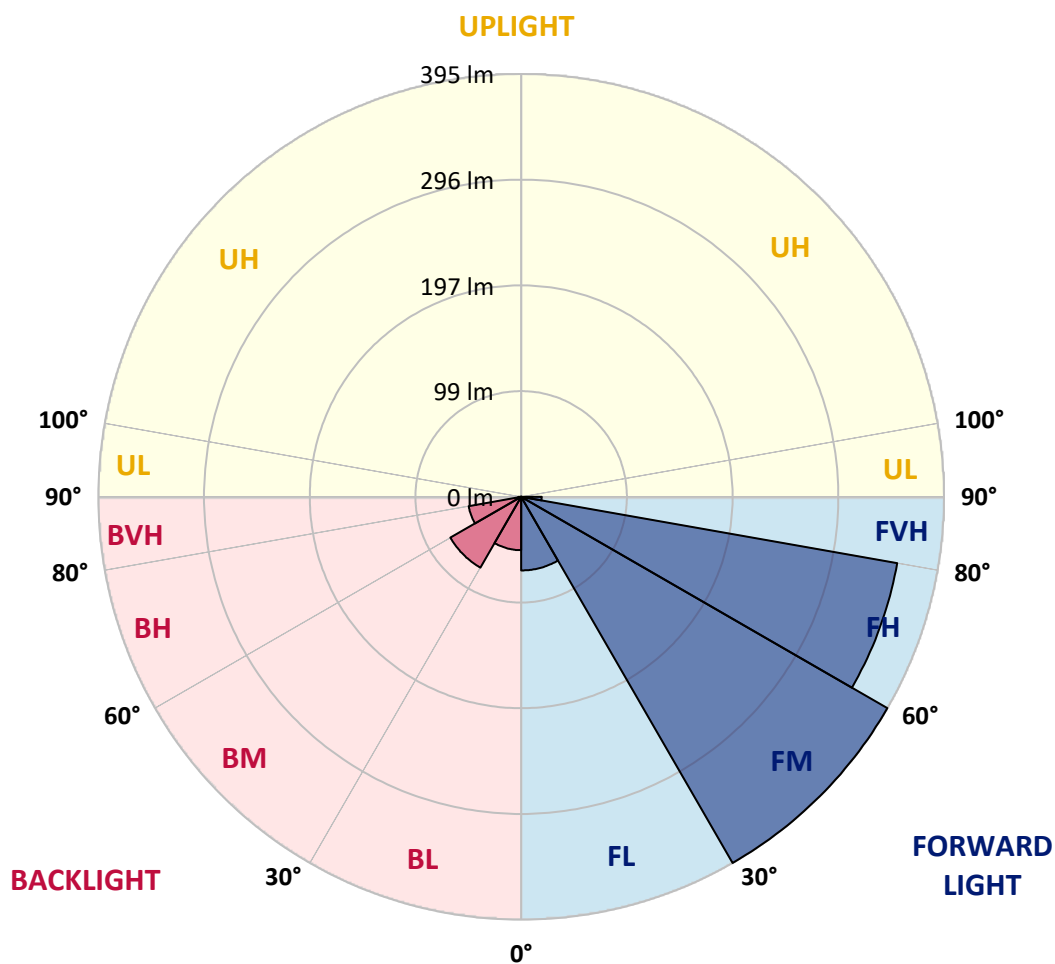
CATALOG NUMBER: ENC-CXX-LED-E1-SLL-BBB

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 68.7   | 6.8       |                         |      |        |
| FM   | (30°-60°)   | 394.6  | 38.8      |                         |      |        |
| FH   | (60°-80°)   | 356.3  | 35.0      |                         |      | G0/660 |
| FVH  | (80°-90°)   | 19.2   | 1.9       |                         |      | G1/100 |
| BL   | (0°-30°)    | 49.8   | 4.9       | B0/110                  |      |        |
| BM   | (30°-60°)   | 76.3   | 7.5       | B0/220                  |      |        |
| BH   | (60°-80°)   | 49.7   | 4.9       | B0/110                  |      | G0/110 |
| BVH  | (80°-90°)   | 2.6    | 0.3       |                         |      | G0/10  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |        |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |        |

**BUG Rating: B0-U0-G1**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 27.5° | 35°   | 45°   | 55°   | 65°   | 75°   | 85°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 148.0 | 148.0 | 148.0 | 148.0 | 148.0 | 148.0 | 148.0 | 148.0 | 148.0 | 148.0 | 148.0 |
| 2.5°  | 148.9 | 148.9 | 148.6 | 148.6 | 148.6 | 148.9 | 149.6 | 149.6 | 149.6 | 149.6 | 149.9 |
| 5°    | 148.6 | 149.3 | 148.6 | 149.3 | 149.6 | 149.3 | 149.9 | 150.2 | 149.9 | 149.9 | 150.2 |
| 7.5°  | 149.3 | 149.9 | 149.6 | 151.2 | 151.2 | 151.5 | 151.5 | 151.8 | 151.8 | 152.2 | 152.2 |
| 10°   | 146.7 | 147.6 | 148.3 | 151.2 | 151.8 | 152.8 | 154.1 | 155.4 | 155.1 | 155.4 | 155.4 |
| 12.5° | 143.1 | 143.1 | 144.4 | 147.0 | 148.0 | 150.5 | 155.1 | 157.7 | 158.0 | 158.3 | 156.7 |
| 15°   | 144.1 | 142.8 | 142.5 | 143.4 | 144.7 | 148.3 | 153.5 | 157.7 | 158.0 | 157.0 | 154.8 |
| 17.5° | 149.3 | 148.0 | 146.0 | 145.0 | 146.0 | 147.6 | 152.8 | 156.1 | 152.8 | 149.6 | 146.0 |
| 20°   | 159.0 | 157.0 | 153.5 | 152.2 | 152.5 | 152.5 | 152.2 | 150.5 | 143.4 | 137.9 | 131.4 |
| 22.5° | 170.3 | 167.7 | 164.8 | 162.5 | 161.9 | 160.9 | 155.1 | 144.7 | 132.7 | 123.7 | 116.2 |
| 25°   | 184.2 | 182.0 | 178.7 | 173.9 | 173.5 | 170.0 | 159.0 | 139.5 | 123.4 | 113.6 | 104.9 |
| 27.5° | 203.0 | 200.7 | 194.6 | 186.2 | 184.2 | 174.8 | 158.3 | 134.4 | 115.6 | 104.6 | 94.5  |
| 30°   | 225.7 | 222.1 | 210.1 | 194.9 | 191.0 | 176.1 | 155.7 | 128.5 | 108.1 | 95.2  | 83.2  |
| 32.5° | 252.9 | 245.1 | 224.7 | 199.8 | 193.9 | 176.8 | 151.8 | 122.4 | 99.4  | 83.9  | 70.6  |
| 35°   | 280.7 | 268.4 | 237.0 | 202.4 | 194.3 | 172.9 | 146.0 | 114.0 | 88.7  | 70.9  | 57.6  |
| 37.5° | 310.2 | 290.1 | 245.7 | 201.4 | 191.7 | 166.4 | 137.9 | 103.6 | 76.7  | 57.6  | 44.7  |
| 40°   | 338.7 | 310.2 | 251.6 | 197.8 | 187.1 | 158.3 | 127.6 | 92.3  | 65.1  | 45.3  | 34.3  |
| 42.5° | 365.5 | 328.0 | 256.4 | 192.3 | 180.7 | 150.2 | 115.6 | 80.9  | 55.7  | 37.2  | 28.5  |
| 45°   | 388.8 | 341.6 | 259.0 | 187.1 | 174.2 | 140.8 | 102.6 | 73.5  | 49.9  | 32.7  | 26.2  |
| 47.5° | 404.7 | 352.6 | 261.0 | 182.0 | 167.4 | 131.4 | 93.6  | 69.0  | 46.0  | 29.5  | 25.3  |
| 50°   | 418.3 | 361.6 | 262.2 | 176.8 | 161.9 | 123.7 | 88.7  | 65.7  | 42.4  | 26.9  | 24.0  |
| 52.5° | 433.2 | 373.6 | 263.9 | 171.9 | 156.7 | 119.5 | 85.5  | 61.5  | 38.5  | 24.6  | 22.7  |
| 55°   | 453.6 | 390.1 | 269.4 | 168.7 | 153.5 | 117.2 | 81.9  | 57.3  | 34.6  | 23.0  | 21.7  |
| 57.5° | 479.2 | 409.6 | 274.2 | 167.4 | 152.2 | 114.6 | 77.4  | 52.1  | 30.4  | 21.7  | 20.7  |
| 60°   | 509.6 | 430.3 | 280.4 | 167.4 | 151.5 | 111.4 | 71.6  | 46.6  | 26.9  | 21.0  | 20.4  |
| 62.5° | 530.3 | 447.4 | 285.6 | 167.7 | 148.9 | 106.2 | 65.1  | 41.1  | 24.0  | 20.4  | 20.1  |
| 64°   | 535.5 | 448.4 | 280.7 | 161.9 | 142.5 | 98.4  | 58.3  | 35.3  | 21.4  | 19.7  | 19.4  |
| 65°   | 539.7 | 453.6 | 283.9 | 163.8 | 143.8 | 99.1  | 58.6  | 35.3  | 21.4  | 19.7  | 19.4  |
| 67.5° | 484.0 | 402.1 | 250.9 | 148.0 | 130.2 | 88.1  | 49.9  | 29.1  | 19.7  | 19.1  | 18.8  |
| 70°   | 442.3 | 361.3 | 194.3 | 117.2 | 106.8 | 71.2  | 38.5  | 23.3  | 18.5  | 18.5  | 17.8  |
| 72.5° | 369.7 | 294.3 | 159.6 | 93.6  | 79.6  | 48.2  | 29.5  | 20.4  | 17.8  | 17.5  | 17.2  |
| 75°   | 305.0 | 234.7 | 134.7 | 68.3  | 55.7  | 33.7  | 24.6  | 19.4  | 17.2  | 16.8  | 16.2  |
| 77.5° | 248.0 | 182.3 | 101.0 | 46.0  | 39.2  | 28.8  | 22.0  | 18.5  | 16.5  | 16.5  | 15.9  |
| 80°   | 177.1 | 116.6 | 58.6  | 32.7  | 30.1  | 25.3  | 19.7  | 16.5  | 15.2  | 15.5  | 14.2  |
| 82.5° | 130.5 | 76.4  | 37.9  | 23.0  | 23.3  | 19.7  | 17.5  | 14.9  | 13.9  | 13.9  | 13.6  |
| 85°   | 76.4  | 44.0  | 21.4  | 16.5  | 16.8  | 15.2  | 13.3  | 13.3  | 12.3  | 12.0  | 11.7  |
| 87.5° | 1.6   | 13.3  | 9.1   | 9.4   | 10.0  | 11.7  | 11.3  | 10.7  | 9.7   | 9.4   | 9.1   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

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**CANDELA DISTRIBUTION (continued):**

|       | 90°   | 95°   | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 148.0 | 148.0 | 148.0 | 148.0 | 148.0 | 148.0 | 148.0 | 148.0 | 148.0 | 148.0 | 148.0 |
| 2.5°  | 149.9 | 149.9 | 149.9 | 148.9 | 148.9 | 148.6 | 149.6 | 149.6 | 148.6 | 148.6 | 146.7 |
| 5°    | 150.2 | 150.2 | 150.2 | 149.3 | 148.9 | 148.9 | 149.6 | 149.9 | 148.6 | 148.0 | 146.0 |
| 7.5°  | 151.8 | 151.8 | 151.5 | 150.5 | 149.9 | 149.6 | 149.9 | 150.5 | 149.6 | 148.9 | 147.3 |
| 10°   | 155.1 | 155.1 | 154.1 | 153.5 | 152.2 | 151.5 | 151.8 | 152.5 | 150.9 | 150.2 | 148.9 |
| 12.5° | 157.0 | 156.4 | 155.7 | 155.1 | 154.1 | 153.8 | 152.8 | 150.5 | 148.0 | 146.0 | 143.8 |
| 15°   | 155.1 | 154.4 | 154.8 | 152.8 | 152.2 | 150.5 | 146.7 | 140.5 | 134.0 | 131.1 | 129.5 |
| 17.5° | 145.7 | 143.8 | 144.1 | 144.1 | 142.8 | 137.3 | 129.5 | 121.4 | 114.6 | 112.7 | 111.4 |
| 20°   | 129.5 | 127.2 | 126.3 | 126.9 | 124.3 | 117.5 | 109.4 | 103.6 | 99.1  | 99.1  | 98.7  |
| 22.5° | 113.3 | 111.1 | 107.2 | 104.6 | 100.7 | 96.2  | 92.3  | 89.4  | 88.1  | 88.4  | 88.4  |
| 25°   | 102.0 | 98.7  | 92.9  | 88.7  | 84.5  | 80.9  | 79.0  | 77.4  | 76.4  | 77.4  | 77.7  |
| 27.5° | 90.3  | 86.8  | 80.6  | 76.1  | 71.9  | 68.6  | 66.7  | 65.7  | 64.8  | 65.1  | 65.4  |
| 30°   | 78.4  | 74.8  | 69.0  | 64.8  | 60.9  | 57.0  | 55.4  | 53.7  | 53.1  | 52.4  | 52.8  |
| 32.5° | 65.4  | 61.5  | 57.6  | 54.4  | 50.5  | 47.3  | 45.3  | 43.1  | 41.1  | 39.8  | 39.2  |
| 35°   | 52.4  | 49.9  | 46.9  | 44.4  | 41.4  | 38.5  | 36.3  | 33.0  | 30.8  | 29.5  | 28.8  |
| 37.5° | 41.4  | 39.5  | 37.9  | 36.6  | 34.3  | 31.7  | 29.1  | 26.2  | 24.6  | 24.0  | 23.3  |
| 40°   | 32.1  | 31.4  | 31.4  | 30.8  | 28.8  | 26.5  | 24.6  | 23.0  | 22.7  | 22.3  | 22.0  |
| 42.5° | 28.2  | 28.2  | 27.8  | 27.2  | 25.6  | 24.6  | 23.3  | 22.7  | 22.0  | 21.7  | 21.0  |
| 45°   | 26.5  | 26.2  | 26.2  | 26.2  | 24.9  | 23.6  | 23.0  | 21.7  | 21.0  | 20.7  | 20.1  |
| 47.5° | 25.3  | 24.9  | 24.9  | 24.9  | 24.0  | 22.7  | 21.7  | 20.7  | 20.1  | 19.4  | 19.1  |
| 50°   | 24.0  | 24.0  | 24.0  | 24.0  | 23.0  | 21.7  | 20.7  | 19.7  | 18.8  | 18.1  | 17.5  |
| 52.5° | 22.7  | 22.3  | 22.3  | 22.7  | 21.7  | 20.4  | 19.4  | 18.1  | 17.2  | 16.5  | 16.5  |
| 55°   | 21.4  | 21.0  | 21.0  | 21.4  | 20.7  | 19.1  | 18.5  | 16.8  | 16.2  | 15.9  | 15.5  |
| 57.5° | 20.7  | 20.4  | 19.7  | 20.1  | 19.7  | 18.1  | 17.5  | 15.9  | 15.2  | 14.9  | 14.9  |
| 60°   | 20.1  | 19.7  | 19.4  | 19.7  | 19.4  | 17.2  | 16.5  | 14.9  | 13.9  | 14.2  | 13.9  |
| 62.5° | 19.7  | 19.1  | 18.5  | 18.8  | 19.1  | 17.2  | 15.9  | 13.9  | 13.0  | 13.3  | 13.0  |
| 64°   | 19.1  | 18.8  | 18.1  | 18.5  | 18.8  | 16.8  | 14.9  | 13.0  | 12.3  | 12.3  | 12.0  |
| 65°   | 19.4  | 18.8  | 18.1  | 18.1  | 18.5  | 16.8  | 15.2  | 13.0  | 12.0  | 12.0  | 12.0  |
| 67.5° | 18.8  | 18.5  | 17.5  | 17.2  | 17.2  | 15.5  | 13.9  | 12.0  | 11.0  | 11.0  | 11.0  |
| 70°   | 17.5  | 17.5  | 16.2  | 15.2  | 15.2  | 13.9  | 12.6  | 10.7  | 10.4  | 10.4  | 10.7  |
| 72.5° | 16.8  | 16.2  | 15.2  | 14.2  | 13.6  | 12.3  | 11.3  | 10.0  | 9.7   | 10.0  | 9.7   |
| 75°   | 15.9  | 15.5  | 14.2  | 13.3  | 12.0  | 11.0  | 10.4  | 9.4   | 9.1   | 9.4   | 9.4   |
| 77.5° | 15.2  | 14.6  | 13.6  | 12.3  | 10.7  | 10.0  | 9.4   | 8.4   | 8.1   | 8.4   | 8.4   |
| 80°   | 13.6  | 13.0  | 11.7  | 10.7  | 9.4   | 8.7   | 8.1   | 6.5   | 6.8   | 7.1   | 7.1   |
| 82.5° | 13.0  | 12.0  | 10.7  | 9.4   | 8.4   | 7.4   | 6.8   | 5.8   | 5.8   | 6.2   | 5.8   |
| 85°   | 11.0  | 10.7  | 9.4   | 8.1   | 6.8   | 6.2   | 5.5   | 4.2   | 4.2   | 3.9   | 3.6   |
| 87.5° | 8.7   | 8.4   | 7.4   | 6.5   | 5.2   | 4.5   | 3.9   | 2.9   | 2.3   | 0.6   | 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   |

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**CANDELA DISTRIBUTION (continued):**

|       | 185°  | 195°  | 205°  | 215°  | 225°  | 235°  | 245°  | 255°  | 265°  | 270°  | 275°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 148.0 | 148.0 | 148.0 | 148.0 | 148.0 | 148.0 | 148.0 | 148.0 | 148.0 | 148.0 | 148.0 |
| 2.5°  | 146.0 | 146.3 | 145.7 | 145.0 | 144.7 | 143.4 | 144.1 | 144.1 | 144.1 | 143.8 | 143.4 |
| 5°    | 146.0 | 145.4 | 144.7 | 143.1 | 142.8 | 140.2 | 139.9 | 139.2 | 138.2 | 137.9 | 138.2 |
| 7.5°  | 147.3 | 146.0 | 144.4 | 141.8 | 138.9 | 136.0 | 134.0 | 132.7 | 132.1 | 131.8 | 132.1 |
| 10°   | 148.9 | 147.3 | 145.0 | 141.5 | 136.6 | 132.4 | 129.5 | 127.9 | 127.9 | 127.9 | 127.6 |
| 12.5° | 143.4 | 142.8 | 141.5 | 137.6 | 134.4 | 130.5 | 127.9 | 126.6 | 126.3 | 127.2 | 127.2 |
| 15°   | 129.5 | 130.2 | 131.1 | 131.4 | 131.1 | 131.4 | 131.4 | 131.1 | 130.5 | 131.4 | 131.8 |
| 17.5° | 112.3 | 114.6 | 117.5 | 121.1 | 126.6 | 131.4 | 136.6 | 139.9 | 140.5 | 141.8 | 141.8 |
| 20°   | 99.7  | 102.6 | 107.2 | 114.0 | 123.0 | 132.4 | 141.2 | 148.9 | 152.8 | 154.4 | 153.5 |
| 22.5° | 89.4  | 92.3  | 98.4  | 107.5 | 119.5 | 134.4 | 146.3 | 158.6 | 165.1 | 167.4 | 166.4 |
| 25°   | 78.4  | 82.2  | 89.4  | 100.0 | 116.2 | 136.3 | 151.8 | 168.4 | 180.0 | 184.9 | 184.2 |
| 27.5° | 66.7  | 70.9  | 79.0  | 91.6  | 112.0 | 136.3 | 155.7 | 177.4 | 196.2 | 203.6 | 206.2 |
| 30°   | 53.7  | 59.2  | 68.6  | 82.6  | 105.9 | 133.4 | 156.4 | 185.8 | 214.0 | 224.7 | 232.8 |
| 32.5° | 40.5  | 45.3  | 56.7  | 73.8  | 99.4  | 127.2 | 153.8 | 190.0 | 229.5 | 246.1 | 258.7 |
| 35°   | 29.5  | 34.0  | 44.4  | 63.1  | 91.0  | 120.4 | 148.9 | 193.3 | 243.1 | 266.8 | 285.9 |
| 37.5° | 23.6  | 26.5  | 36.3  | 54.1  | 81.3  | 112.3 | 144.7 | 194.6 | 255.4 | 284.9 | 311.8 |
| 40°   | 21.7  | 23.6  | 32.7  | 49.5  | 73.5  | 104.6 | 141.2 | 197.2 | 267.1 | 300.1 | 334.1 |
| 42.5° | 20.7  | 21.7  | 30.1  | 47.6  | 70.3  | 97.8  | 137.3 | 200.4 | 276.8 | 314.0 | 353.9 |
| 45°   | 20.1  | 20.4  | 26.9  | 45.0  | 69.6  | 94.5  | 135.0 | 203.6 | 287.8 | 328.3 | 373.3 |
| 47.5° | 18.8  | 19.1  | 24.0  | 42.1  | 67.3  | 94.9  | 134.7 | 206.9 | 296.6 | 340.3 | 390.5 |
| 50°   | 17.5  | 17.8  | 21.7  | 38.9  | 65.4  | 94.9  | 135.0 | 211.7 | 306.6 | 353.2 | 409.2 |
| 52.5° | 16.5  | 16.5  | 19.1  | 35.6  | 62.5  | 94.2  | 139.5 | 219.8 | 320.8 | 368.8 | 428.7 |
| 55°   | 15.5  | 15.5  | 17.5  | 33.0  | 59.9  | 93.2  | 142.8 | 234.7 | 347.4 | 394.7 | 452.9 |
| 57.5° | 14.9  | 14.9  | 16.2  | 29.8  | 57.3  | 91.9  | 145.7 | 249.0 | 380.4 | 437.4 | 497.9 |
| 60°   | 14.2  | 14.2  | 15.2  | 26.2  | 53.4  | 89.7  | 148.9 | 260.6 | 406.0 | 472.0 | 541.0 |
| 62.5° | 13.3  | 13.3  | 13.9  | 22.7  | 48.9  | 85.8  | 149.6 | 270.7 | 422.8 | 496.0 | 576.0 |
| 64°   | 12.3  | 12.6  | 13.3  | 19.7  | 45.0  | 110.7 | 149.6 | 276.2 | 434.5 | 518.3 | 603.5 |
| 65°   | 12.0  | 12.3  | 12.6  | 18.8  | 43.1  | 79.0  | 145.4 | 270.0 | 428.3 | 513.5 | 599.0 |
| 67.5° | 11.0  | 11.3  | 11.3  | 14.9  | 36.3  | 69.0  | 131.8 | 250.6 | 412.8 | 506.4 | 585.0 |
| 70°   | 10.7  | 10.7  | 10.0  | 10.7  | 29.8  | 56.0  | 108.8 | 210.1 | 366.8 | 459.7 | 510.2 |
| 72.5° | 10.0  | 10.4  | 9.4   | 9.4   | 21.7  | 44.4  | 84.2  | 167.1 | 313.4 | 382.4 | 418.0 |
| 75°   | 9.4   | 9.4   | 8.7   | 9.1   | 16.5  | 30.1  | 62.8  | 120.1 | 224.7 | 284.3 | 326.0 |
| 77.5° | 8.4   | 8.1   | 7.8   | 8.4   | 13.3  | 21.7  | 46.0  | 87.7  | 135.3 | 183.9 | 233.4 |
| 80°   | 7.1   | 6.8   | 6.5   | 6.5   | 8.7   | 11.0  | 19.1  | 41.8  | 71.6  | 101.7 | 127.6 |
| 82.5° | 6.2   | 5.2   | 4.9   | 4.2   | 3.9   | 2.9   | 3.6   | 2.9   | 0.3   | 0.6   | 2.3   |
| 85°   | 3.6   | 2.9   | 1.6   | 0.3   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

REPORT NUMBER: P89332

CATALOG NUMBER: ENC-CXX-LED-E1-SLL-BBB

**CANDELA DISTRIBUTION (continued):**

|       | 285°  | 295°   | 305°  | 315°   | 325°   | 332.5° | 335°   | 345°  | 355°  | 360°  |
|-------|-------|--------|-------|--------|--------|--------|--------|-------|-------|-------|
| 0°    | 148.0 | 148.0  | 148.0 | 148.0  | 148.0  | 148.0  | 148.0  | 148.0 | 148.0 | 148.0 |
| 2.5°  | 143.4 | 143.8  | 144.4 | 146.0  | 146.3  | 148.0  | 148.3  | 148.3 | 148.6 | 148.9 |
| 5°    | 137.9 | 139.2  | 140.2 | 142.8  | 143.8  | 147.0  | 147.0  | 147.6 | 148.0 | 148.6 |
| 7.5°  | 132.1 | 134.0  | 135.3 | 138.9  | 141.8  | 145.0  | 145.7  | 147.6 | 148.6 | 149.3 |
| 10°   | 128.2 | 130.8  | 133.4 | 136.3  | 139.5  | 142.1  | 142.8  | 145.7 | 146.7 | 146.7 |
| 12.5° | 128.2 | 130.5  | 134.0 | 137.3  | 140.2  | 141.8  | 141.8  | 142.8 | 143.4 | 143.1 |
| 15°   | 133.7 | 135.7  | 139.2 | 141.8  | 144.7  | 146.7  | 146.7  | 146.7 | 145.0 | 144.1 |
| 17.5° | 143.4 | 144.7  | 148.0 | 150.9  | 154.1  | 155.4  | 155.4  | 154.1 | 151.5 | 149.3 |
| 20°   | 155.1 | 157.0  | 161.2 | 165.8  | 168.7  | 169.7  | 169.0  | 167.1 | 161.6 | 159.0 |
| 22.5° | 168.0 | 172.2  | 177.1 | 183.9  | 187.5  | 188.1  | 186.5  | 182.6 | 174.2 | 170.3 |
| 25°   | 186.5 | 190.4  | 196.8 | 205.6  | 210.1  | 208.8  | 207.5  | 201.1 | 189.1 | 184.2 |
| 27.5° | 210.4 | 214.0  | 223.7 | 233.1  | 236.0  | 233.1  | 231.5  | 223.4 | 208.5 | 203.0 |
| 30°   | 242.2 | 244.1  | 257.1 | 266.5  | 265.8  | 261.9  | 259.3  | 248.6 | 232.5 | 225.7 |
| 32.5° | 280.7 | 284.9  | 296.2 | 307.6  | 304.0  | 296.2  | 292.7  | 279.7 | 261.9 | 252.9 |
| 35°   | 321.8 | 333.2  | 342.2 | 357.8  | 350.3  | 337.0  | 332.5  | 316.6 | 294.9 | 280.7 |
| 37.5° | 361.6 | 387.5  | 396.0 | 419.3  | 406.6  | 386.9  | 380.7  | 361.6 | 330.9 | 310.2 |
| 40°   | 398.2 | 444.5  | 458.4 | 495.4  | 473.0  | 445.8  | 439.0  | 415.1 | 367.8 | 338.7 |
| 42.5° | 431.3 | 495.4  | 521.6 | 577.3  | 548.5  | 513.2  | 505.1  | 470.1 | 402.8 | 365.5 |
| 45°   | 466.2 | 542.3  | 584.7 | 660.2  | 627.5  | 582.8  | 571.8  | 523.2 | 435.1 | 388.8 |
| 47.5° | 497.6 | 586.3  | 642.3 | 733.0  | 707.1  | 650.4  | 635.5  | 568.2 | 461.0 | 404.7 |
| 50°   | 528.1 | 630.4  | 697.7 | 790.3  | 784.2  | 714.5  | 698.4  | 610.3 | 484.3 | 418.3 |
| 52.5° | 558.2 | 671.5  | 751.1 | 838.2  | 854.1  | 779.9  | 756.0  | 648.8 | 505.1 | 433.2 |
| 55°   | 589.6 | 715.8  | 805.5 | 881.3  | 919.5  | 850.8  | 822.7  | 688.3 | 528.1 | 453.6 |
| 57.5° | 640.1 | 774.4  | 855.1 | 918.2  | 982.6  | 933.7  | 903.3  | 736.6 | 556.5 | 479.2 |
| 60°   | 700.3 | 883.2  | 918.2 | 970.6  | 1048.7 | 1033.8 | 1013.1 | 796.5 | 595.7 | 509.6 |
| 62.5° | 749.8 | 988.4  | 969.7 | 1014.0 | 1105.6 | 1109.2 | 1092.7 | 840.2 | 613.5 | 530.3 |
| 64°   | 921.4 | 1017.9 | 972.6 | 1048.7 | 1132.8 | 1112.4 | 1080.4 | 803.9 | 617.4 | 535.5 |
| 65°   | 776.1 | 1010.8 | 968.0 | 1043.2 | 1131.2 | 1105.0 | 1070.7 | 807.5 | 618.7 | 539.7 |
| 67.5° | 728.1 | 948.9  | 901.0 | 984.9  | 1005.0 | 987.2  | 951.5  | 706.4 | 551.0 | 484.0 |
| 70°   | 590.9 | 786.4  | 747.9 | 786.7  | 771.2  | 800.0  | 789.3  | 616.4 | 498.6 | 442.3 |
| 72.5° | 436.1 | 489.2  | 489.2 | 578.2  | 514.5  | 521.3  | 525.8  | 465.2 | 408.3 | 369.7 |
| 75°   | 311.5 | 314.7  | 351.9 | 443.9  | 401.5  | 355.5  | 357.4  | 355.8 | 342.2 | 305.0 |
| 77.5° | 232.5 | 243.5  | 294.0 | 359.4  | 319.9  | 275.8  | 268.7  | 269.7 | 284.6 | 248.0 |
| 80°   | 109.8 | 140.2  | 188.4 | 261.6  | 230.2  | 209.2  | 199.8  | 188.1 | 223.7 | 177.1 |
| 82.5° | 10.4  | 35.3   | 70.3  | 127.2  | 130.8  | 137.9  | 138.6  | 126.3 | 159.9 | 130.5 |
| 85°   | 0.0   | 0.0    | 0.0   | 8.1    | 23.3   | 58.9   | 59.2   | 74.8  | 84.8  | 76.4  |
| 87.5° | 0.0   | 0.0    | 0.0   | 0.0    | 0.0    | 0.3    | 0.3    | 0.6   | 1.0   | 1.6   |
| 90°   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   |

(END OF REPORT)