

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: P173883

Luminaire Tested: **ENV-FXX-LED-E1-GZW-7060-CWB**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P173883  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33649)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ENV-FXX-LED-E1-GZW-7060-CWB  
Description: ENTRI LED LUMINAIRE, EMERGENCY MODE  
LIGHTBARS WITH AccuLED OPTICS - WALL GRAZER WIDE  
Light Source: (14) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1527.5 lumens  
Efficiency: N/A  
Efficacy: 277.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.33' x H: 0')  
IES Classification: Type I - Short - Full Cutoff  
BUG Rating: B1 - 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



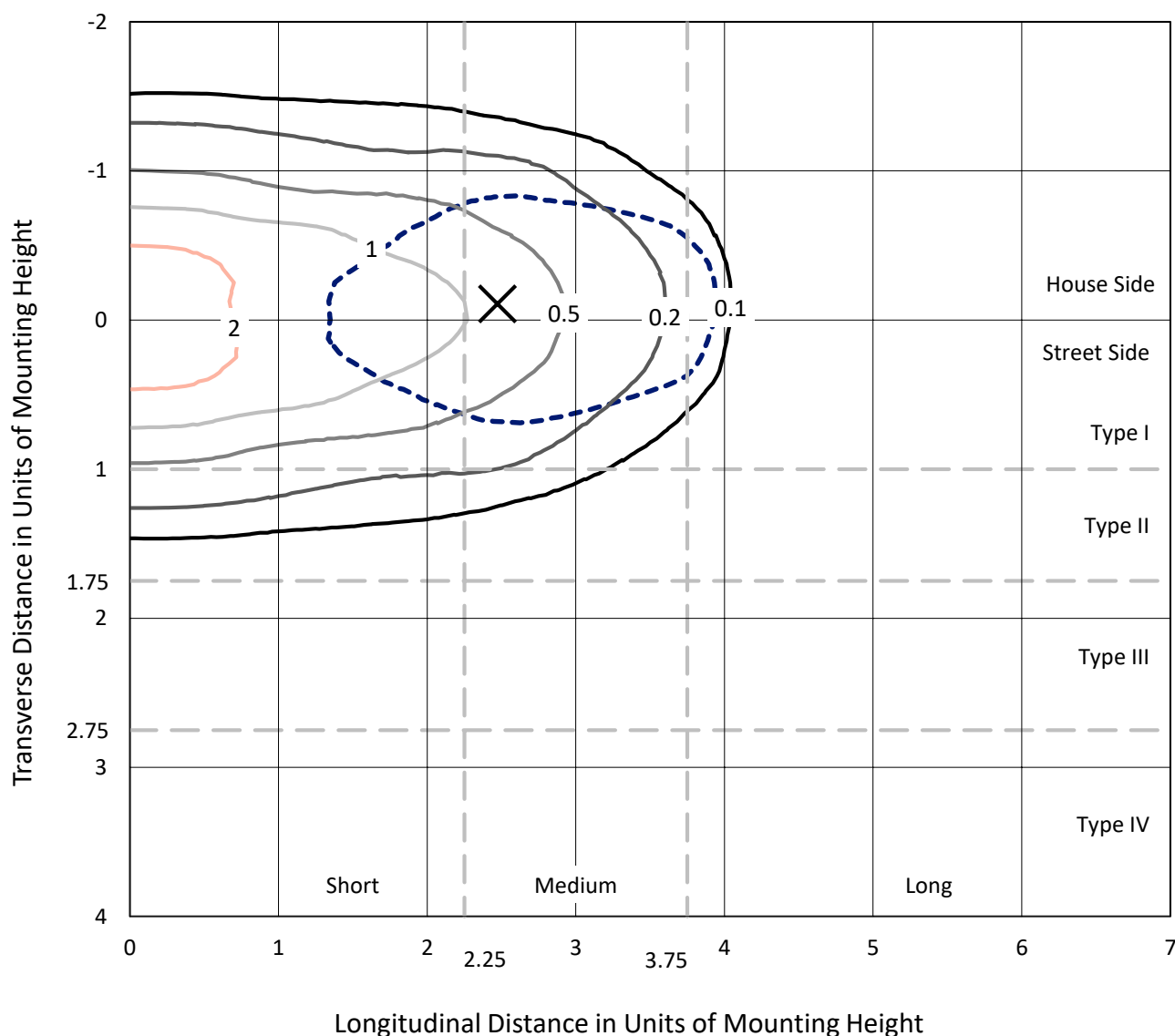
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CATALOG NUMBER: ENV-FXX-LED-E1-GZW-7060-CWB

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

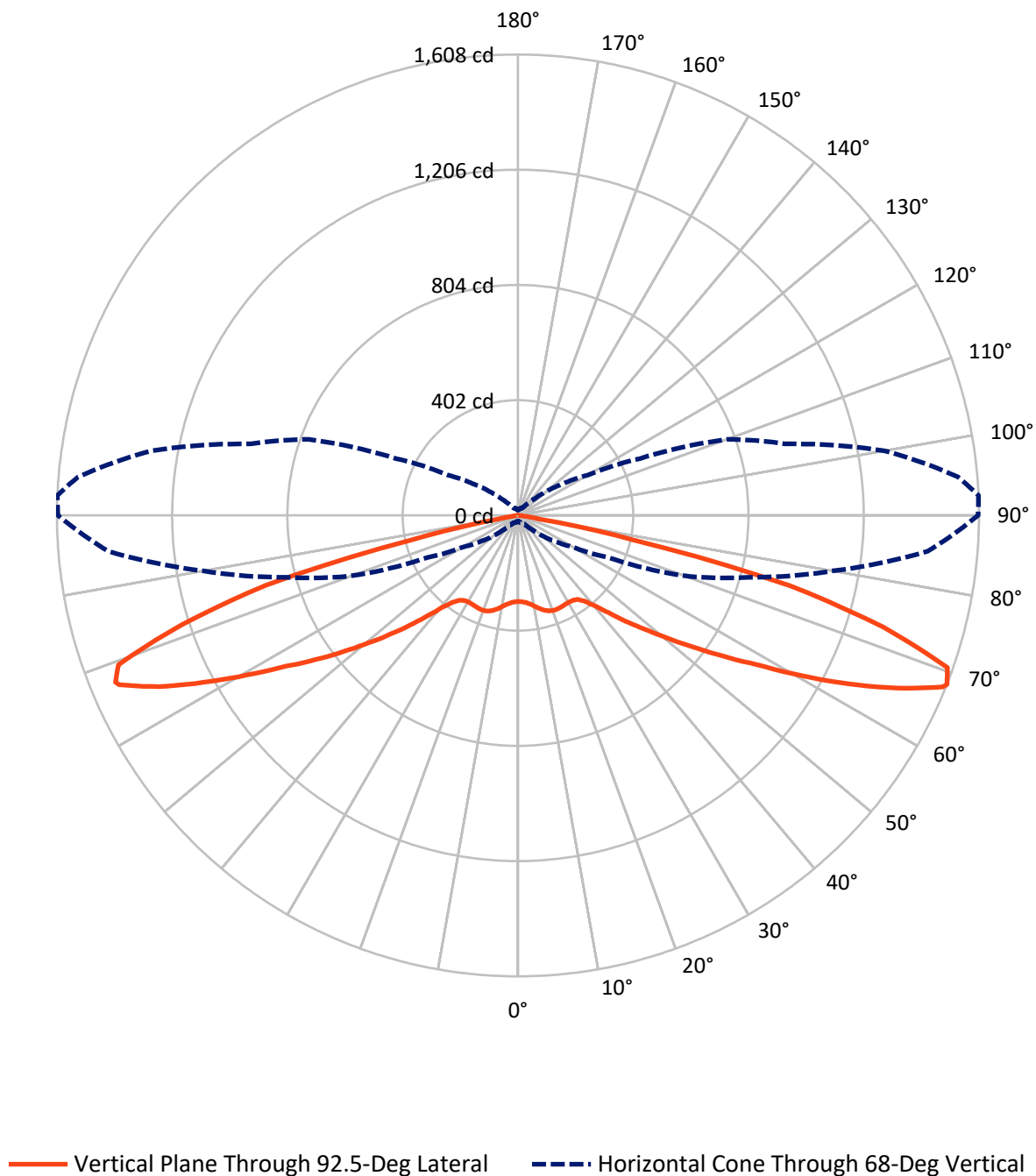


Based on 10 foot mounting height. Maximum calculated value = 3.1 fc  
 Type I - Short - Full Cutoff

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## Luminous Intensity Polar Plot



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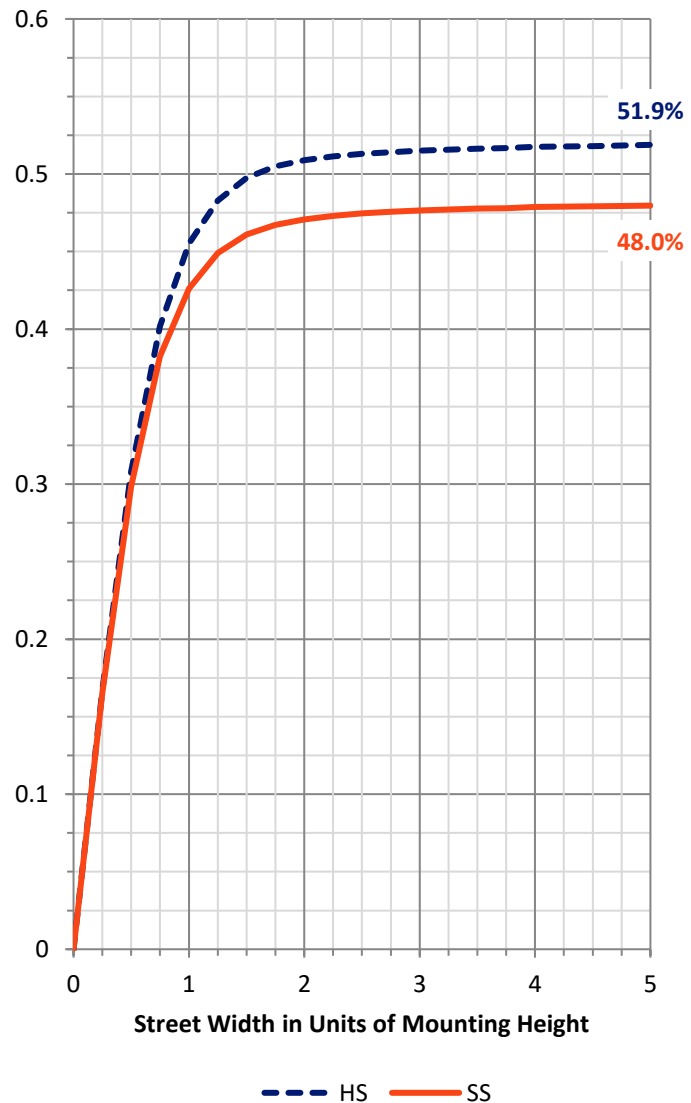
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 798.0    | 0.0    | 798.0  |
|                    | % Fixture | 52.2     | 0.0    | 52.2   |
| <b>Street Side</b> | Lumens    | 729.5    | 0.0    | 729.5  |
|                    | % Fixture | 47.8     | 0.0    | 47.8   |
| <b>Total</b>       | Lumens    | 1527.5   | 0.0    | 1527.5 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 29.5   | 1.9       |
| 10°-20°   | 93.4   | 6.1       |
| 20°-30°   | 151.5  | 9.9       |
| 30°-40°   | 188.3  | 12.3      |
| 40°-50°   | 234.1  | 15.3      |
| 50°-60°   | 288.0  | 18.9      |
| 60°-70°   | 340.5  | 22.3      |
| 70°-80°   | 190.7  | 12.5      |
| 80°-90°   | 11.6   | 0.8       |
| 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°    | 1527.5 | 100.0     |
| 0°-180°   | 1527.5 | 100.0     |

**Coefficient of Utilization**



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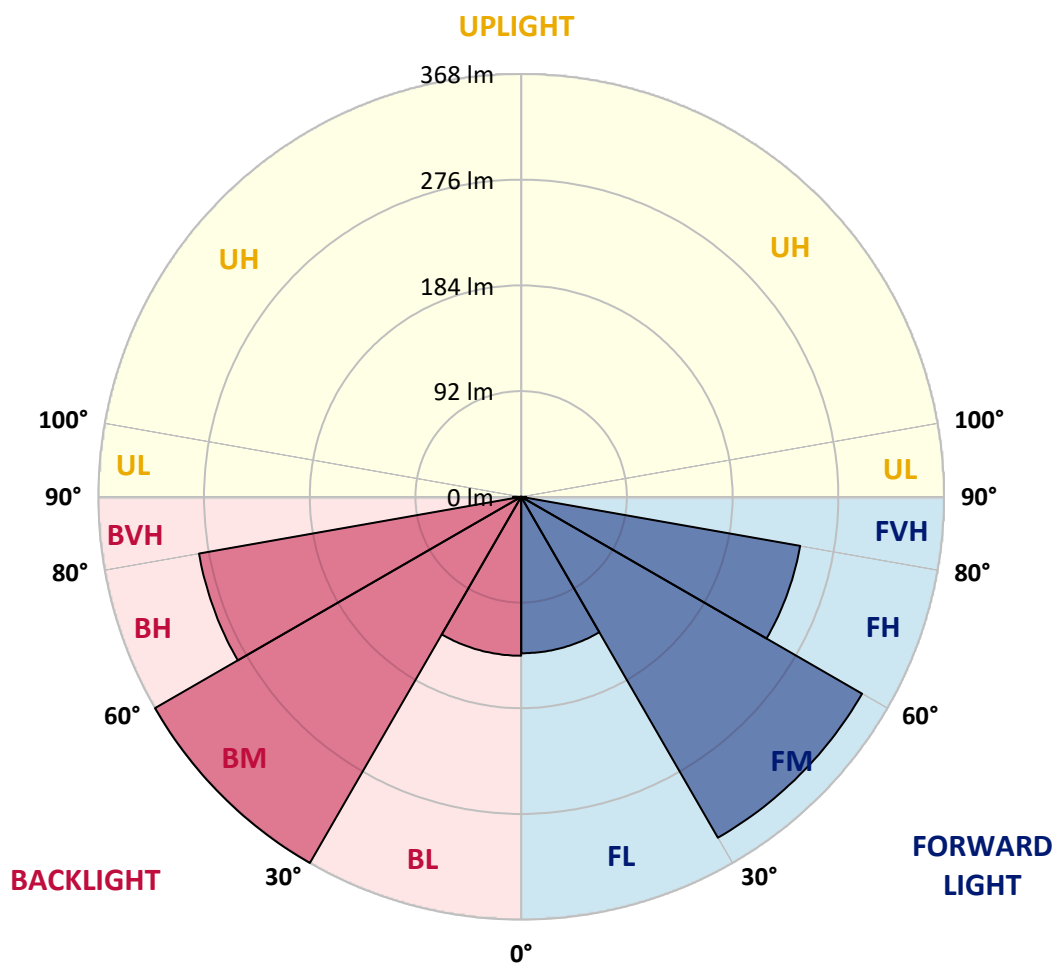
CATALOG NUMBER: ENV-FXX-LED-E1-GZW-7060-CWB

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 136.1  | 8.9       |                         |      |        |
| FM   | (30°-60°)   | 342.5  | 22.4      |                         |      |        |
| FH   | (60°-80°)   | 246.5  | 16.1      |                         |      | G0/660 |
| FVH  | (80°-90°)   | 4.4    | 0.3       |                         |      | G0/10  |
| BL   | (0°-30°)    | 138.3  | 9.1       | B1/500                  |      |        |
| BM   | (30°-60°)   | 367.9  | 24.1      | B1/1000                 |      |        |
| BH   | (60°-80°)   | 284.6  | 18.6      | B1/500                  |      | G1/500 |
| BVH  | (80°-90°)   | 7.2    | 0.5       |                         |      | G0/10  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |        |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |        |

**BUG Rating: B1-U0-G1**

Type I Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 300.3 | 300.3 | 300.3 | 300.3 | 300.3 | 300.3 | 300.3 | 300.3 | 300.3 | 300.3 | 300.3 |
| 2.5°  | 301.7 | 301.7 | 301.7 | 301.9 | 302.2 | 302.8 | 302.5 | 303.0 | 302.2 | 303.3 | 303.3 |
| 5°    | 305.2 | 305.5 | 305.8 | 305.8 | 306.3 | 306.6 | 306.3 | 307.2 | 306.3 | 307.4 | 307.7 |
| 7.5°  | 308.5 | 308.5 | 308.8 | 309.1 | 309.6 | 310.2 | 310.5 | 311.3 | 311.0 | 312.1 | 313.2 |
| 10°   | 311.0 | 310.7 | 311.0 | 311.6 | 312.9 | 313.8 | 314.8 | 315.9 | 316.5 | 317.6 | 319.2 |
| 12.5° | 312.1 | 311.8 | 312.7 | 314.0 | 315.4 | 317.0 | 318.7 | 321.1 | 322.8 | 324.4 | 326.9 |
| 15°   | 311.6 | 311.6 | 312.7 | 314.3 | 317.0 | 320.0 | 323.1 | 326.4 | 329.4 | 332.9 | 335.4 |
| 17.5° | 306.3 | 306.9 | 308.5 | 311.3 | 315.4 | 320.0 | 325.0 | 330.5 | 335.4 | 340.3 | 343.6 |
| 20°   | 297.0 | 297.6 | 300.6 | 303.9 | 309.4 | 316.2 | 323.9 | 331.9 | 339.5 | 346.1 | 350.8 |
| 22.5° | 285.5 | 284.9 | 287.7 | 292.1 | 299.5 | 307.7 | 317.6 | 329.4 | 339.8 | 349.1 | 355.7 |
| 25°   | 267.7 | 267.7 | 270.7 | 276.2 | 284.1 | 294.3 | 306.3 | 321.4 | 335.4 | 347.5 | 356.8 |
| 27.5° | 248.7 | 249.0 | 252.9 | 257.5 | 266.6 | 276.2 | 290.2 | 307.7 | 324.7 | 340.6 | 354.3 |
| 30°   | 229.8 | 230.6 | 234.0 | 238.6 | 248.2 | 258.3 | 272.6 | 289.9 | 308.3 | 328.0 | 346.7 |
| 32.5° | 210.3 | 211.4 | 214.2 | 219.7 | 230.1 | 241.3 | 255.9 | 271.2 | 288.8 | 310.5 | 334.6 |
| 35°   | 192.0 | 192.8 | 195.0 | 201.6 | 212.3 | 224.3 | 240.5 | 255.3 | 273.2 | 293.2 | 319.8 |
| 37.5° | 174.7 | 175.5 | 178.0 | 184.8 | 195.6 | 207.6 | 223.5 | 240.2 | 258.6 | 278.4 | 304.7 |
| 40°   | 156.1 | 158.0 | 161.3 | 167.8 | 177.7 | 191.4 | 207.6 | 225.1 | 244.6 | 267.1 | 294.0 |
| 42.5° | 139.1 | 140.7 | 143.7 | 149.5 | 159.4 | 173.9 | 190.9 | 209.0 | 230.1 | 255.6 | 286.0 |
| 45°   | 123.4 | 124.8 | 127.8 | 133.0 | 143.4 | 155.0 | 170.3 | 189.2 | 211.2 | 240.5 | 277.5 |
| 47.5° | 108.3 | 109.7 | 113.0 | 119.3 | 127.8 | 139.1 | 152.8 | 169.5 | 189.8 | 219.7 | 261.4 |
| 50°   | 93.2  | 94.6  | 97.9  | 104.2 | 112.4 | 123.4 | 136.0 | 151.1 | 171.1 | 196.9 | 237.8 |
| 52.5° | 76.8  | 78.2  | 81.5  | 87.8  | 95.7  | 106.1 | 119.0 | 134.7 | 153.3 | 177.7 | 211.4 |
| 55°   | 59.0  | 60.9  | 63.9  | 69.1  | 77.6  | 88.0  | 100.9 | 117.9 | 136.9 | 160.7 | 192.0 |
| 57.5° | 42.5  | 43.9  | 47.4  | 51.6  | 58.7  | 69.7  | 81.2  | 98.7  | 119.9 | 144.3 | 175.3 |
| 60°   | 31.0  | 32.4  | 34.8  | 38.1  | 43.1  | 51.0  | 61.2  | 77.6  | 100.9 | 128.3 | 160.2 |
| 62.5° | 25.8  | 26.9  | 29.3  | 32.6  | 35.4  | 39.2  | 45.3  | 57.9  | 80.6  | 111.1 | 144.5 |
| 65°   | 22.8  | 23.6  | 25.8  | 29.1  | 31.3  | 32.9  | 35.4  | 43.9  | 62.5  | 92.4  | 129.2 |
| 67.5° | 20.3  | 21.1  | 22.8  | 25.5  | 28.0  | 28.8  | 30.2  | 35.9  | 49.1  | 75.1  | 113.0 |
| 68°   | 20.0  | 20.9  | 22.2  | 24.7  | 27.2  | 28.0  | 29.3  | 35.1  | 47.7  | 71.6  | 108.6 |
| 70°   | 18.6  | 19.2  | 20.6  | 22.5  | 24.4  | 25.0  | 26.6  | 32.4  | 44.7  | 62.5  | 88.0  |
| 72.5° | 17.0  | 17.3  | 18.1  | 19.7  | 21.7  | 22.0  | 23.6  | 28.2  | 35.1  | 46.1  | 65.6  |
| 75°   | 14.2  | 14.5  | 15.6  | 17.0  | 18.1  | 18.6  | 19.2  | 21.4  | 23.9  | 28.5  | 38.7  |
| 77.5° | 11.0  | 11.5  | 12.3  | 13.2  | 14.8  | 15.3  | 14.8  | 16.4  | 17.5  | 19.5  | 23.6  |
| 80°   | 6.6   | 6.6   | 7.4   | 8.2   | 9.1   | 10.4  | 9.9   | 11.5  | 12.3  | 13.4  | 15.9  |
| 82.5° | 1.1   | 1.4   | 1.4   | 1.9   | 2.5   | 3.0   | 3.3   | 4.1   | 5.2   | 6.3   | 8.5   |
| 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.3   | 0.3   | 0.8   |
| 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   |

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**CANDELA DISTRIBUTION (continued):**

|       | 55°   | 60°   | 65°   | 70°   | 75°   | 80°    | 85°    | 90°    | 92.5°  | 95°    | 100°   |
|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 0°    | 300.3 | 300.3 | 300.3 | 300.3 | 300.3 | 300.3  | 300.3  | 300.3  | 300.3  | 300.3  | 300.3  |
| 2.5°  | 301.7 | 302.5 | 302.5 | 302.2 | 302.2 | 302.2  | 301.4  | 301.7  | 301.9  | 302.8  | 301.7  |
| 5°    | 306.1 | 306.9 | 306.6 | 306.3 | 306.3 | 306.3  | 305.2  | 305.5  | 305.8  | 306.3  | 305.2  |
| 7.5°  | 311.8 | 312.7 | 312.9 | 312.9 | 312.9 | 313.5  | 311.8  | 311.8  | 312.4  | 312.9  | 311.3  |
| 10°   | 320.3 | 320.3 | 321.1 | 321.7 | 322.2 | 322.8  | 321.7  | 321.1  | 322.2  | 322.2  | 320.3  |
| 12.5° | 328.3 | 328.8 | 330.2 | 331.3 | 331.6 | 332.7  | 332.7  | 332.4  | 333.2  | 332.9  | 330.8  |
| 15°   | 337.3 | 337.9 | 339.0 | 340.3 | 340.6 | 341.7  | 341.7  | 342.0  | 342.8  | 343.3  | 340.1  |
| 17.5° | 345.8 | 346.7 | 346.7 | 346.9 | 347.5 | 348.3  | 348.9  | 349.1  | 350.0  | 350.5  | 347.2  |
| 20°   | 353.0 | 353.8 | 352.4 | 351.3 | 350.2 | 350.8  | 351.9  | 353.0  | 353.5  | 353.8  | 349.7  |
| 22.5° | 358.4 | 358.7 | 356.5 | 353.5 | 350.5 | 350.2  | 351.6  | 353.5  | 354.1  | 353.8  | 348.0  |
| 25°   | 361.4 | 362.3 | 360.1 | 355.4 | 350.0 | 348.0  | 349.4  | 351.9  | 353.0  | 351.9  | 345.0  |
| 27.5° | 361.4 | 364.5 | 363.4 | 358.4 | 351.1 | 345.8  | 346.7  | 350.5  | 351.3  | 350.0  | 342.0  |
| 30°   | 358.7 | 365.0 | 366.4 | 363.4 | 355.7 | 346.7  | 345.6  | 350.0  | 351.1  | 348.6  | 340.6  |
| 32.5° | 353.2 | 364.8 | 370.3 | 370.5 | 364.5 | 353.2  | 347.8  | 352.1  | 353.0  | 350.0  | 343.3  |
| 35°   | 345.6 | 364.5 | 375.2 | 380.4 | 378.5 | 367.2  | 357.6  | 360.4  | 359.8  | 356.5  | 354.1  |
| 37.5° | 337.1 | 364.5 | 382.3 | 394.4 | 398.7 | 393.0  | 380.4  | 379.0  | 380.4  | 375.4  | 374.1  |
| 40°   | 327.7 | 365.3 | 392.5 | 413.8 | 427.0 | 428.9  | 417.7  | 413.8  | 415.5  | 410.8  | 412.7  |
| 42.5° | 322.2 | 366.4 | 405.9 | 436.6 | 462.1 | 481.6  | 476.6  | 465.1  | 464.3  | 464.9  | 469.0  |
| 45°   | 319.5 | 369.2 | 419.3 | 462.4 | 498.0 | 541.4  | 546.0  | 525.5  | 526.6  | 529.6  | 535.9  |
| 47.5° | 316.5 | 374.4 | 435.0 | 489.3 | 537.3 | 598.2  | 620.9  | 593.2  | 591.0  | 602.3  | 604.2  |
| 50°   | 305.5 | 380.6 | 452.8 | 519.4 | 578.4 | 662.0  | 698.0  | 669.7  | 670.3  | 680.7  | 676.9  |
| 52.5° | 280.3 | 380.9 | 471.7 | 549.6 | 619.5 | 725.1  | 779.7  | 761.0  | 759.7  | 769.8  | 749.5  |
| 55°   | 245.4 | 363.6 | 487.1 | 579.2 | 658.5 | 783.8  | 864.2  | 868.3  | 865.5  | 867.2  | 823.3  |
| 57.5° | 217.5 | 321.1 | 488.7 | 604.2 | 691.4 | 839.5  | 950.8  | 980.4  | 980.7  | 973.6  | 895.7  |
| 60°   | 199.4 | 273.4 | 467.3 | 624.7 | 729.8 | 910.5  | 1063.8 | 1130.2 | 1134.0 | 1105.0 | 992.5  |
| 62.5° | 184.3 | 249.3 | 423.2 | 645.9 | 773.9 | 982.4  | 1185.6 | 1294.7 | 1295.0 | 1246.5 | 1099.2 |
| 65°   | 172.5 | 236.1 | 374.6 | 637.9 | 807.9 | 1052.0 | 1314.5 | 1460.4 | 1453.3 | 1399.8 | 1200.4 |
| 67.5° | 159.4 | 224.3 | 352.1 | 625.6 | 837.0 | 1116.5 | 1428.0 | 1595.6 | 1597.5 | 1531.7 | 1294.2 |
| 68°   | 156.6 | 220.0 | 346.4 | 615.1 | 833.7 | 1114.3 | 1434.1 | 1604.6 | 1607.9 | 1540.2 | 1298.3 |
| 70°   | 134.9 | 192.0 | 301.4 | 537.3 | 774.5 | 1054.8 | 1395.7 | 1579.2 | 1589.3 | 1513.6 | 1252.5 |
| 72.5° | 89.9  | 132.7 | 201.3 | 379.6 | 596.8 | 838.1  | 1142.5 | 1322.7 | 1331.2 | 1280.2 | 1040.2 |
| 75°   | 57.0  | 80.6  | 107.0 | 218.9 | 400.9 | 601.4  | 861.4  | 966.5  | 980.4  | 963.7  | 778.9  |
| 77.5° | 34.5  | 56.5  | 65.8  | 106.1 | 211.2 | 281.4  | 389.2  | 396.0  | 411.9  | 402.0  | 403.7  |
| 80°   | 22.8  | 39.2  | 48.0  | 72.1  | 73.2  | 60.6   | 68.8   | 69.4   | 73.5   | 78.2   | 81.5   |
| 82.5° | 12.9  | 23.9  | 33.4  | 49.4  | 43.6  | 22.5   | 19.2   | 20.0   | 20.6   | 21.1   | 25.0   |
| 85°   | 1.9   | 4.4   | 9.3   | 15.3  | 15.6  | 7.4    | 6.9    | 6.3    | 6.6    | 7.1    | 9.1    |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.3   | 0.6    | 0.8    | 0.8    | 0.8    | 1.7    | 1.7    |
| 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):**

|       | 105°  | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 300.3 | 300.3 | 300.3 | 300.3 | 300.3 | 300.3 | 300.3 | 300.3 | 300.3 | 300.3 | 300.3 |
| 2.5°  | 301.4 | 301.1 | 301.4 | 300.6 | 301.4 | 301.1 | 301.1 | 301.1 | 300.8 | 301.1 | 301.1 |
| 5°    | 304.7 | 304.7 | 304.7 | 304.1 | 304.7 | 304.7 | 304.7 | 304.7 | 304.4 | 304.7 | 305.0 |
| 7.5°  | 311.0 | 311.0 | 310.7 | 309.9 | 310.5 | 310.5 | 310.2 | 309.6 | 309.1 | 309.4 | 309.1 |
| 10°   | 319.5 | 320.0 | 318.4 | 318.4 | 317.6 | 316.5 | 315.7 | 314.8 | 314.6 | 314.0 | 312.9 |
| 12.5° | 329.9 | 329.7 | 327.5 | 326.6 | 326.1 | 323.9 | 322.2 | 321.4 | 320.3 | 318.9 | 317.3 |
| 15°   | 339.2 | 338.1 | 336.5 | 335.7 | 334.9 | 332.4 | 330.2 | 328.3 | 326.9 | 325.0 | 322.5 |
| 17.5° | 345.6 | 344.5 | 343.6 | 343.3 | 343.3 | 341.2 | 339.2 | 336.8 | 333.8 | 330.2 | 326.1 |
| 20°   | 346.9 | 346.9 | 347.2 | 348.9 | 350.5 | 349.7 | 347.5 | 344.5 | 340.1 | 334.3 | 328.0 |
| 22.5° | 345.0 | 346.1 | 348.6 | 352.7 | 356.3 | 356.5 | 354.3 | 350.0 | 342.5 | 334.3 | 325.0 |
| 25°   | 341.7 | 344.7 | 350.0 | 355.7 | 360.6 | 360.6 | 356.8 | 350.5 | 340.3 | 328.6 | 316.2 |
| 27.5° | 340.1 | 346.1 | 353.5 | 359.5 | 362.8 | 360.9 | 354.1 | 345.0 | 331.0 | 315.9 | 301.7 |
| 30°   | 342.0 | 351.3 | 359.3 | 363.4 | 363.9 | 357.6 | 345.8 | 332.4 | 315.9 | 297.8 | 283.3 |
| 32.5° | 349.1 | 360.4 | 366.4 | 367.2 | 363.4 | 351.6 | 333.2 | 314.6 | 296.2 | 279.5 | 264.6 |
| 35°   | 363.6 | 373.3 | 375.4 | 372.2 | 362.5 | 342.8 | 316.5 | 294.6 | 278.1 | 262.2 | 246.8 |
| 37.5° | 387.3 | 391.6 | 387.5 | 377.9 | 359.8 | 332.1 | 301.1 | 279.7 | 262.2 | 246.5 | 229.5 |
| 40°   | 420.7 | 415.8 | 404.0 | 385.1 | 356.8 | 320.3 | 289.1 | 267.7 | 248.2 | 230.9 | 213.9 |
| 42.5° | 462.4 | 445.1 | 420.7 | 393.3 | 353.5 | 312.7 | 280.3 | 255.6 | 234.2 | 215.0 | 197.2 |
| 45°   | 509.0 | 476.9 | 443.7 | 402.6 | 352.4 | 308.0 | 269.9 | 240.8 | 215.8 | 196.7 | 179.1 |
| 47.5° | 556.5 | 510.7 | 467.1 | 412.7 | 353.8 | 299.8 | 254.0 | 221.3 | 195.3 | 176.6 | 160.2 |
| 50°   | 604.5 | 548.5 | 494.2 | 425.9 | 353.0 | 283.0 | 232.3 | 199.1 | 175.0 | 158.3 | 143.4 |
| 52.5° | 652.7 | 588.8 | 522.2 | 437.7 | 342.0 | 256.7 | 208.4 | 180.2 | 156.9 | 140.7 | 126.2 |
| 55°   | 700.2 | 628.0 | 549.6 | 441.3 | 310.2 | 229.0 | 188.4 | 161.3 | 138.2 | 121.8 | 105.9 |
| 57.5° | 745.1 | 663.4 | 568.8 | 420.4 | 271.0 | 207.3 | 170.6 | 144.0 | 119.6 | 100.7 | 85.0  |
| 60°   | 801.1 | 697.2 | 574.3 | 370.0 | 239.7 | 189.2 | 154.4 | 124.0 | 96.5  | 76.5  | 62.3  |
| 62.5° | 862.2 | 742.9 | 565.8 | 321.7 | 221.3 | 173.3 | 134.4 | 100.4 | 73.8  | 54.3  | 43.6  |
| 65°   | 907.2 | 761.9 | 522.7 | 295.9 | 209.8 | 157.7 | 113.0 | 77.9  | 51.0  | 37.3  | 33.2  |
| 67.5° | 967.0 | 780.5 | 478.3 | 283.3 | 197.2 | 137.4 | 87.2  | 56.2  | 39.5  | 31.0  | 28.5  |
| 68°   | 962.9 | 775.3 | 469.0 | 280.0 | 193.4 | 130.3 | 82.3  | 55.1  | 38.4  | 30.2  | 27.7  |
| 70°   | 907.2 | 711.4 | 407.3 | 248.2 | 160.2 | 101.5 | 70.7  | 50.2  | 35.4  | 27.4  | 25.2  |
| 72.5° | 744.3 | 551.8 | 292.1 | 163.5 | 104.2 | 74.3  | 52.4  | 37.8  | 29.3  | 24.1  | 22.5  |
| 75°   | 526.8 | 345.0 | 146.4 | 94.1  | 65.6  | 43.1  | 29.6  | 24.4  | 21.7  | 19.2  | 19.2  |
| 77.5° | 296.2 | 180.5 | 77.3  | 64.5  | 37.0  | 25.0  | 19.7  | 18.4  | 17.0  | 15.6  | 17.3  |
| 80°   | 96.5  | 94.1  | 57.0  | 44.2  | 25.8  | 18.4  | 15.3  | 14.5  | 13.7  | 12.3  | 15.3  |
| 82.5° | 52.1  | 64.5  | 41.2  | 31.5  | 18.9  | 13.2  | 11.5  | 11.8  | 10.7  | 9.6   | 11.5  |
| 85°   | 23.3  | 30.7  | 27.4  | 22.0  | 11.8  | 7.4   | 6.0   | 7.1   | 6.3   | 5.8   | 5.5   |
| 87.5° | 9.1   | 15.1  | 11.0  | 6.3   | 2.8   | 1.7   | 1.7   | 1.4   | 1.1   | 1.1   | 0.8   |
| 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):**

|       | 160°  | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|
| 0°    | 300.3 | 300.3 | 300.3 | 300.3 | 300.3 |
| 2.5°  | 300.3 | 300.3 | 300.0 | 299.8 | 299.2 |
| 5°    | 304.1 | 304.1 | 303.9 | 303.6 | 303.0 |
| 7.5°  | 308.3 | 308.0 | 307.7 | 307.4 | 306.9 |
| 10°   | 312.7 | 312.1 | 312.1 | 312.4 | 312.1 |
| 12.5° | 317.0 | 316.2 | 315.4 | 315.1 | 315.9 |
| 15°   | 321.4 | 319.8 | 318.4 | 318.1 | 318.1 |
| 17.5° | 323.9 | 321.1 | 318.7 | 317.9 | 317.9 |
| 20°   | 323.3 | 318.4 | 315.1 | 313.5 | 313.8 |
| 22.5° | 318.1 | 311.3 | 306.9 | 304.7 | 303.9 |
| 25°   | 307.2 | 298.9 | 293.5 | 290.4 | 290.7 |
| 27.5° | 290.7 | 281.9 | 275.9 | 274.3 | 272.6 |
| 30°   | 271.2 | 262.5 | 256.4 | 252.9 | 253.1 |
| 32.5° | 252.0 | 242.4 | 237.0 | 232.8 | 232.3 |
| 35°   | 233.7 | 223.2 | 216.7 | 213.7 | 213.1 |
| 37.5° | 215.6 | 204.6 | 198.6 | 195.8 | 193.9 |
| 40°   | 198.8 | 188.9 | 181.8 | 177.7 | 176.9 |
| 42.5° | 182.4 | 171.1 | 164.0 | 161.0 | 160.2 |
| 45°   | 163.7 | 153.0 | 146.7 | 144.3 | 143.7 |
| 47.5° | 147.0 | 136.9 | 131.6 | 128.3 | 127.2 |
| 50°   | 130.8 | 121.2 | 115.2 | 112.2 | 111.6 |
| 52.5° | 113.8 | 104.2 | 97.9  | 95.4  | 93.2  |
| 55°   | 95.2  | 85.0  | 78.7  | 74.3  | 72.7  |
| 57.5° | 73.5  | 64.5  | 57.9  | 54.8  | 51.8  |
| 60°   | 52.6  | 44.7  | 39.5  | 37.0  | 34.8  |
| 62.5° | 37.3  | 32.1  | 28.8  | 26.3  | 25.0  |
| 65°   | 30.7  | 28.2  | 24.7  | 22.5  | 21.4  |
| 67.5° | 27.2  | 24.7  | 22.0  | 20.0  | 19.2  |
| 68°   | 26.6  | 24.1  | 21.4  | 19.5  | 18.9  |
| 70°   | 24.4  | 22.0  | 19.5  | 18.1  | 17.5  |
| 72.5° | 21.7  | 19.7  | 17.5  | 16.2  | 15.6  |
| 75°   | 18.6  | 16.7  | 15.3  | 14.2  | 13.4  |
| 77.5° | 16.4  | 13.7  | 13.2  | 12.1  | 11.5  |
| 80°   | 13.7  | 12.3  | 11.2  | 10.4  | 9.9   |
| 82.5° | 11.2  | 9.3   | 8.0   | 7.1   | 6.9   |
| 85°   | 6.3   | 5.8   | 4.7   | 3.6   | 3.3   |
| 87.5° | 0.6   | 0.3   | 0.3   | 0.0   | 0.0   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)