

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: P141583

Luminaire Tested: **EMM-F01-LED-E1-SLR-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P141583  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33693)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: EMM-F01-LED-E1-SLR-8030  
Description: EPIC MODERN MEDIUM DECORATIVE LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (7) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1822.3 lumens  
Efficiency: N/A  
Efficacy: 70.4 lumens/watt  
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G1

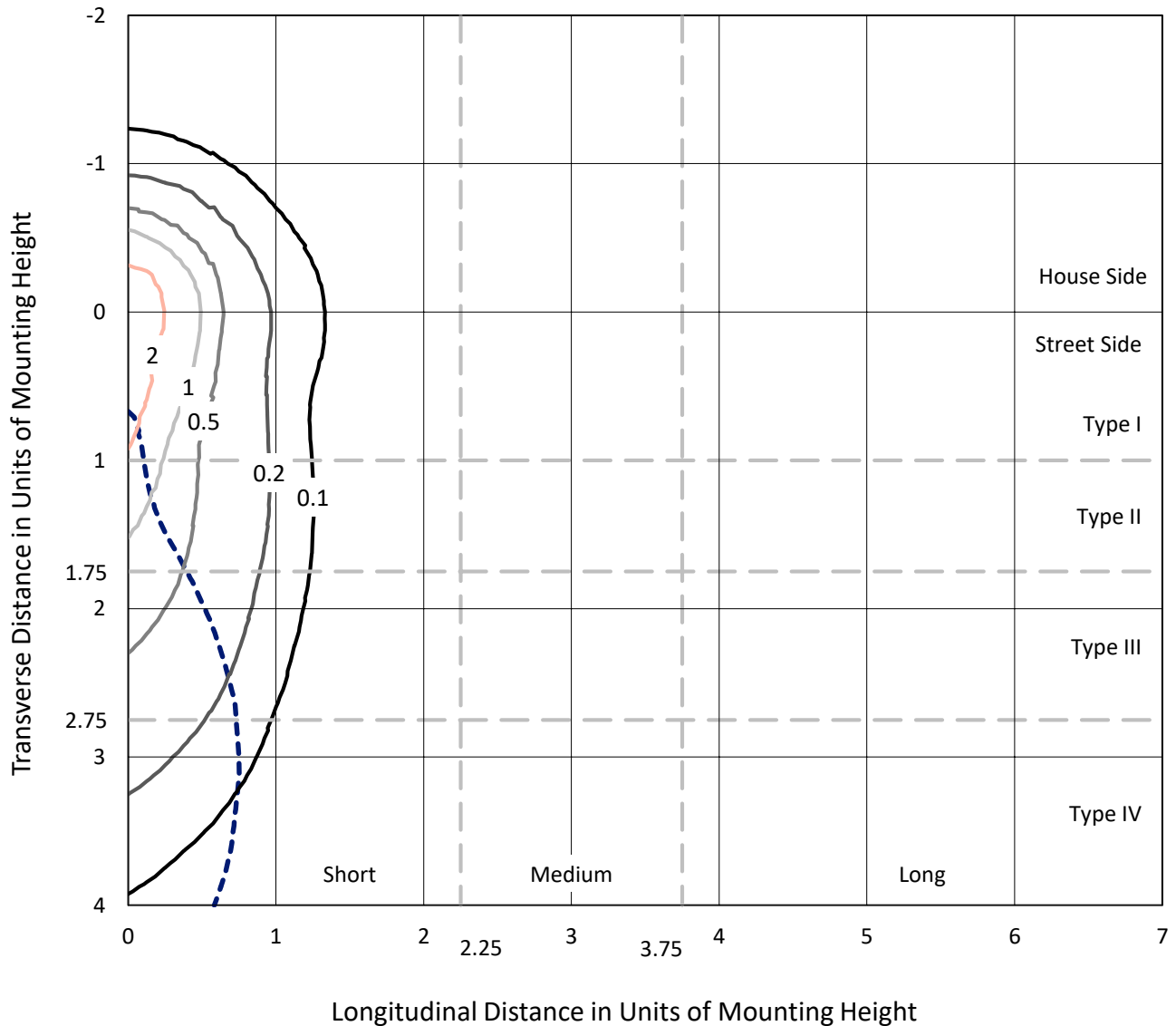
Input Watts (W): 25.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

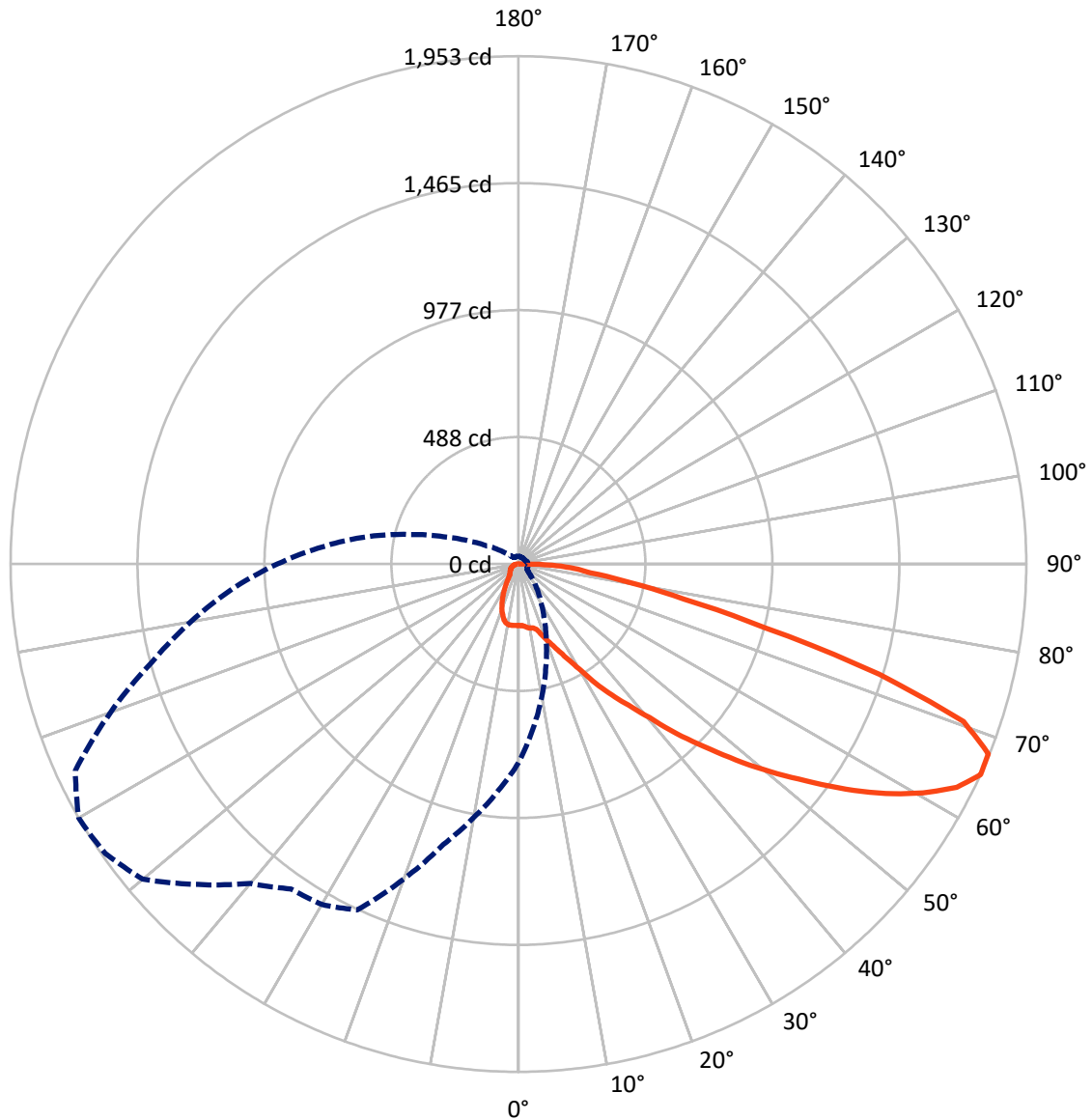
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.4 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 338.0    | 0.0    | 338.0  |
|                    | % Fixture | 18.5     | 0.0    | 18.5   |
| <b>Street Side</b> | Lumens    | 1484.3   | 0.0    | 1484.3 |
|                    | % Fixture | 81.5     | 0.0    | 81.5   |
| <b>Total</b>       | Lumens    | 1822.3   | 0.0    | 1822.3 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 22.9   | 1.3       |
| 10°-20°   | 68.8   | 3.8       |
| 20°-30°   | 114.4  | 6.3       |
| 30°-40°   | 167.2  | 9.2       |
| 40°-50°   | 254.3  | 14.0      |
| 50°-60°   | 365.5  | 20.1      |
| 60°-70°   | 449.4  | 24.7      |
| 70°-80°   | 300.7  | 16.5      |
| 80°-90°   | 79.1   | 4.3       |
| 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°    | 1822.3 | 100.0     |
| 0°-180°   | 1822.3 | 100.0     |

**Coefficient of Utilization**



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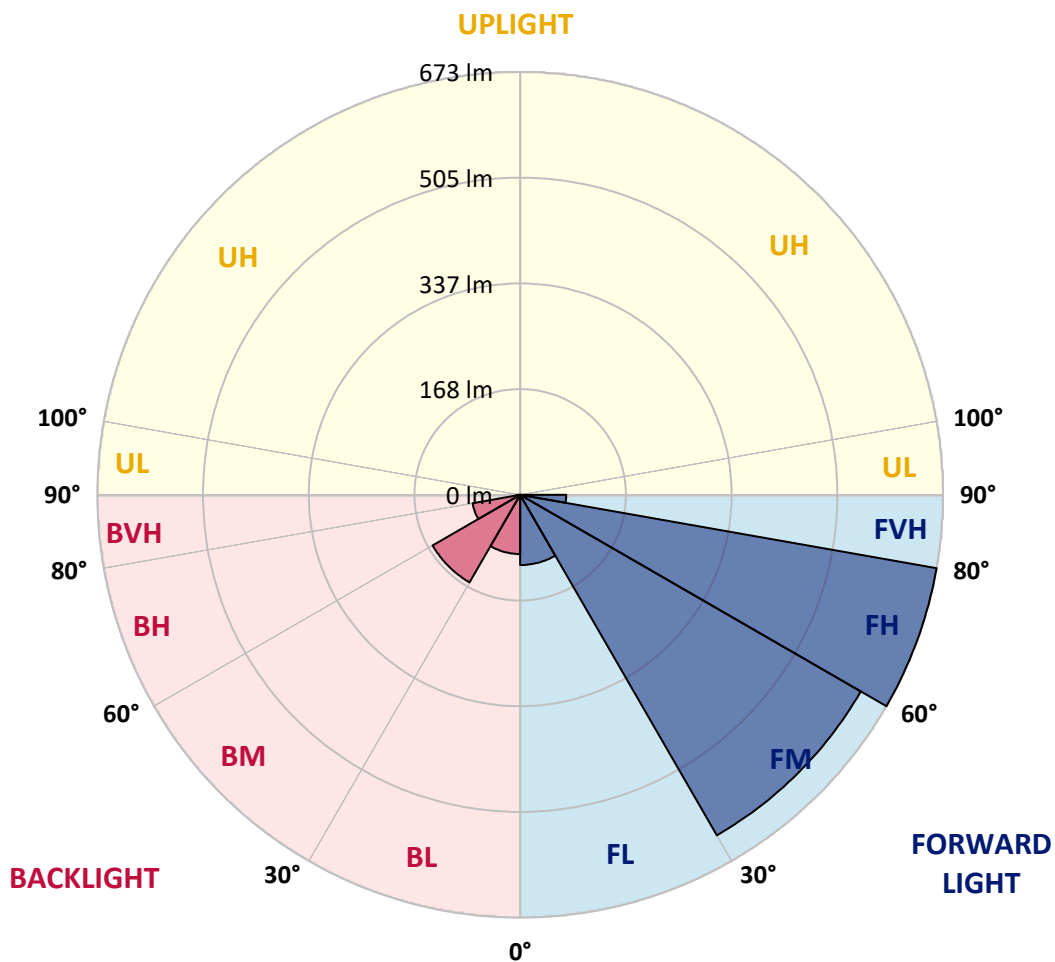
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 111.8  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 626.0  | 34.4      |                         |      |         |
| FH   | (60°-80°)   | 673.2  | 36.9      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 73.3   | 4.0       |                         |      | G1/100  |
| BL   | (0°-30°)    | 94.3   | 5.2       | B0/110                  |      |         |
| BM   | (30°-60°)   | 161.0  | 8.8       | B0/220                  |      |         |
| BH   | (60°-80°)   | 76.9   | 4.2       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 5.8    | 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°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 236.9 | 236.9 | 236.9 | 236.9 | 236.9 | 236.9 | 236.9 | 236.9 | 236.9 | 236.9 | 236.9 |
| 2.5°  | 237.1 | 237.8 | 237.8 | 237.4 | 237.1 | 237.4 | 237.6 | 237.4 | 237.6 | 238.1 | 237.8 |
| 5°    | 234.1 | 234.6 | 234.8 | 234.8 | 234.8 | 235.3 | 236.0 | 235.7 | 236.4 | 236.9 | 236.9 |
| 7.5°  | 226.9 | 227.8 | 227.8 | 228.1 | 228.5 | 229.2 | 230.4 | 230.9 | 232.0 | 233.6 | 234.1 |
| 10°   | 222.5 | 222.7 | 222.0 | 221.8 | 222.3 | 223.7 | 224.3 | 225.5 | 227.4 | 229.2 | 231.1 |
| 12.5° | 223.7 | 223.9 | 222.7 | 223.0 | 223.0 | 223.7 | 225.7 | 226.7 | 227.4 | 228.5 | 230.4 |
| 15°   | 233.2 | 233.2 | 231.8 | 232.2 | 232.5 | 233.4 | 233.4 | 231.8 | 231.3 | 230.2 | 229.2 |
| 17.5° | 245.9 | 244.1 | 243.9 | 243.6 | 244.6 | 243.6 | 241.5 | 237.8 | 233.4 | 228.8 | 225.0 |
| 20°   | 259.2 | 259.4 | 258.0 | 257.8 | 255.2 | 252.0 | 245.9 | 238.5 | 230.6 | 223.4 | 216.0 |
| 22.5° | 278.9 | 279.4 | 276.8 | 271.7 | 266.2 | 257.6 | 246.6 | 235.3 | 223.9 | 213.9 | 205.3 |
| 25°   | 308.9 | 304.0 | 298.2 | 287.5 | 273.4 | 258.3 | 243.2 | 229.0 | 214.1 | 200.9 | 190.0 |
| 27.5° | 338.6 | 328.9 | 313.3 | 295.9 | 275.9 | 256.4 | 238.5 | 219.5 | 201.8 | 185.8 | 173.3 |
| 30°   | 366.3 | 348.1 | 325.8 | 301.0 | 275.4 | 250.4 | 227.6 | 206.0 | 185.1 | 167.9 | 153.0 |
| 32.5° | 394.4 | 367.9 | 337.0 | 302.2 | 268.5 | 238.5 | 212.3 | 187.4 | 166.8 | 145.8 | 129.8 |
| 35°   | 429.7 | 389.7 | 343.7 | 297.7 | 256.4 | 219.9 | 191.8 | 168.1 | 145.8 | 124.7 | 108.0 |
| 37.5° | 461.9 | 407.1 | 347.2 | 290.3 | 240.6 | 200.7 | 169.8 | 145.6 | 124.7 | 106.8 | 92.4  |
| 40°   | 485.6 | 418.5 | 346.7 | 280.8 | 224.6 | 180.9 | 150.5 | 128.7 | 109.9 | 95.7  | 84.5  |
| 42.5° | 504.2 | 425.0 | 344.4 | 271.7 | 210.6 | 166.5 | 138.0 | 118.0 | 103.1 | 91.7  | 83.1  |
| 45°   | 517.0 | 429.7 | 343.0 | 264.5 | 201.4 | 159.6 | 133.8 | 117.1 | 104.5 | 94.3  | 84.5  |
| 47.5° | 528.1 | 435.0 | 342.6 | 261.3 | 199.3 | 161.6 | 139.3 | 124.3 | 110.5 | 97.3  | 84.3  |
| 50°   | 539.3 | 440.3 | 346.7 | 266.6 | 207.2 | 173.3 | 152.4 | 133.1 | 114.3 | 96.4  | 80.4  |
| 52.5° | 554.6 | 455.9 | 362.3 | 281.9 | 224.3 | 189.5 | 164.7 | 140.3 | 115.0 | 94.1  | 76.6  |
| 55°   | 577.6 | 480.1 | 384.6 | 302.2 | 242.9 | 207.2 | 174.6 | 143.1 | 114.3 | 91.5  | 73.2  |
| 57.5° | 615.2 | 515.6 | 415.0 | 330.3 | 267.1 | 220.9 | 180.2 | 144.2 | 112.6 | 88.7  | 70.4  |
| 60°   | 662.8 | 556.2 | 453.3 | 359.7 | 287.8 | 230.4 | 182.5 | 143.8 | 110.3 | 85.5  | 66.4  |
| 62.5° | 716.9 | 600.8 | 487.9 | 386.7 | 302.6 | 234.8 | 181.6 | 140.0 | 105.0 | 78.7  | 60.8  |
| 65°   | 764.6 | 636.4 | 517.0 | 408.3 | 311.9 | 234.8 | 175.8 | 131.5 | 95.5  | 69.2  | 53.6  |
| 67.5° | 803.6 | 666.3 | 539.3 | 420.8 | 312.8 | 226.7 | 161.9 | 115.9 | 80.4  | 57.4  | 45.3  |
| 70°   | 824.0 | 675.8 | 546.2 | 419.4 | 297.3 | 203.2 | 136.3 | 90.1  | 59.0  | 44.6  | 36.5  |
| 72.5° | 801.5 | 653.3 | 516.5 | 379.0 | 248.0 | 151.7 | 95.5  | 61.3  | 42.3  | 34.6  | 30.2  |
| 75°   | 713.2 | 554.4 | 429.9 | 293.1 | 177.7 | 94.5  | 59.2  | 43.0  | 33.4  | 28.8  | 26.5  |
| 77.5° | 532.5 | 413.2 | 295.9 | 185.6 | 101.7 | 57.4  | 41.6  | 32.7  | 28.1  | 25.3  | 23.2  |
| 80°   | 334.9 | 254.5 | 177.9 | 102.2 | 58.1  | 42.3  | 34.6  | 29.3  | 25.5  | 22.1  | 20.0  |
| 82.5° | 186.5 | 135.6 | 90.6  | 58.3  | 40.4  | 34.1  | 30.0  | 26.9  | 22.8  | 19.3  | 17.2  |
| 85°   | 127.5 | 83.8  | 57.1  | 38.3  | 27.9  | 24.9  | 22.3  | 20.4  | 17.4  | 14.6  | 13.5  |
| 87.5° | 51.8  | 48.3  | 35.1  | 15.3  | 11.4  | 10.2  | 9.1   | 11.1  | 9.3   | 7.2   | 6.7   |
| 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):**

|       | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 236.9 | 236.9 | 236.9 | 236.9 | 236.9 | 236.9 | 236.9 | 236.9 | 236.9 | 236.9 | 236.9 |
| 2.5°  | 238.3 | 237.8 | 238.1 | 237.8 | 237.6 | 237.4 | 237.1 | 237.4 | 236.9 | 237.1 | 237.1 |
| 5°    | 237.6 | 237.1 | 237.8 | 237.6 | 237.1 | 237.1 | 236.9 | 236.9 | 236.9 | 236.9 | 237.1 |
| 7.5°  | 235.5 | 235.5 | 236.2 | 236.2 | 235.7 | 235.7 | 235.3 | 235.0 | 235.0 | 235.3 | 235.7 |
| 10°   | 232.7 | 233.4 | 234.6 | 234.1 | 233.2 | 232.7 | 232.0 | 231.5 | 231.3 | 231.8 | 232.2 |
| 12.5° | 230.6 | 231.1 | 230.4 | 229.7 | 228.3 | 226.7 | 226.4 | 225.3 | 224.6 | 225.7 | 225.7 |
| 15°   | 227.1 | 225.3 | 222.7 | 220.4 | 217.1 | 215.5 | 213.7 | 213.2 | 211.6 | 211.8 | 213.0 |
| 17.5° | 219.7 | 214.8 | 210.9 | 208.6 | 205.8 | 204.6 | 202.5 | 201.4 | 200.2 | 199.0 | 199.7 |
| 20°   | 209.3 | 203.9 | 198.8 | 195.8 | 191.4 | 190.4 | 187.0 | 187.0 | 185.6 | 185.8 | 187.2 |
| 22.5° | 196.0 | 187.9 | 181.4 | 177.7 | 173.0 | 171.2 | 169.5 | 168.4 | 167.7 | 169.1 | 167.4 |
| 25°   | 178.6 | 168.8 | 162.8 | 157.5 | 152.4 | 150.5 | 148.4 | 147.7 | 147.9 | 147.0 | 148.6 |
| 27.5° | 160.7 | 148.6 | 142.1 | 136.1 | 132.4 | 129.1 | 127.5 | 127.0 | 126.1 | 128.7 | 127.3 |
| 30°   | 138.2 | 127.3 | 119.6 | 113.3 | 108.9 | 107.3 | 105.7 | 105.2 | 106.6 | 104.7 | 103.8 |
| 32.5° | 115.4 | 103.6 | 97.1  | 91.7  | 88.5  | 85.2  | 84.8  | 83.8  | 82.2  | 84.3  | 83.8  |
| 35°   | 94.8  | 84.8  | 78.0  | 74.8  | 70.4  | 69.0  | 66.2  | 65.5  | 65.7  | 66.2  | 66.0  |
| 37.5° | 82.2  | 75.2  | 69.2  | 64.8  | 61.5  | 59.7  | 58.8  | 57.8  | 57.8  | 57.4  | 57.1  |
| 40°   | 76.4  | 70.6  | 65.0  | 60.8  | 58.3  | 56.9  | 56.0  | 55.0  | 54.3  | 53.6  | 53.0  |
| 42.5° | 75.5  | 68.5  | 62.2  | 58.1  | 55.7  | 55.3  | 55.0  | 54.3  | 53.4  | 52.3  | 51.3  |
| 45°   | 74.8  | 66.0  | 59.5  | 55.7  | 54.1  | 53.9  | 53.9  | 53.2  | 52.5  | 51.3  | 49.9  |
| 47.5° | 72.5  | 62.7  | 56.4  | 53.6  | 53.0  | 53.2  | 53.0  | 52.3  | 51.8  | 50.6  | 49.0  |
| 50°   | 67.4  | 57.8  | 51.8  | 49.7  | 49.5  | 49.2  | 49.2  | 49.0  | 48.5  | 47.6  | 46.0  |
| 52.5° | 62.9  | 53.4  | 48.5  | 47.1  | 46.7  | 46.7  | 46.2  | 46.0  | 45.1  | 44.4  | 43.2  |
| 55°   | 60.2  | 51.1  | 46.9  | 46.0  | 46.0  | 45.8  | 45.3  | 44.6  | 43.9  | 43.0  | 41.6  |
| 57.5° | 57.6  | 49.2  | 45.8  | 45.1  | 45.3  | 45.1  | 44.6  | 44.1  | 43.2  | 42.0  | 40.4  |
| 60°   | 53.9  | 46.4  | 43.4  | 43.2  | 43.7  | 44.1  | 43.9  | 43.7  | 43.0  | 41.3  | 39.0  |
| 62.5° | 48.5  | 41.8  | 39.5  | 39.9  | 40.4  | 40.9  | 40.6  | 40.4  | 39.7  | 38.3  | 36.2  |
| 65°   | 43.2  | 38.3  | 36.9  | 37.4  | 37.9  | 37.9  | 37.9  | 37.4  | 36.9  | 35.3  | 33.7  |
| 67.5° | 38.1  | 35.1  | 34.6  | 35.1  | 35.3  | 35.3  | 35.5  | 35.1  | 34.4  | 33.2  | 31.6  |
| 70°   | 32.5  | 31.1  | 31.1  | 31.6  | 31.8  | 31.6  | 31.8  | 31.1  | 30.4  | 29.7  | 28.1  |
| 72.5° | 29.0  | 29.0  | 28.8  | 28.8  | 28.8  | 28.3  | 28.1  | 27.6  | 26.9  | 26.2  | 24.9  |
| 75°   | 25.8  | 25.8  | 25.5  | 26.0  | 25.1  | 24.4  | 24.2  | 23.7  | 23.0  | 22.1  | 21.1  |
| 77.5° | 22.1  | 21.6  | 21.6  | 22.3  | 22.1  | 21.1  | 20.4  | 20.2  | 19.3  | 18.3  | 17.9  |
| 80°   | 19.0  | 18.6  | 18.6  | 18.3  | 17.9  | 17.7  | 16.7  | 15.8  | 15.6  | 15.6  | 14.9  |
| 82.5° | 16.7  | 16.5  | 15.8  | 15.3  | 14.6  | 13.9  | 13.2  | 12.8  | 12.1  | 11.8  | 12.1  |
| 85°   | 13.2  | 13.5  | 12.8  | 12.3  | 11.6  | 10.7  | 10.0  | 9.5   | 9.1   | 9.1   | 10.0  |
| 87.5° | 7.7   | 7.2   | 7.2   | 7.0   | 6.7   | 6.0   | 6.0   | 5.3   | 5.1   | 6.5   | 6.7   |
| 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):**

|       | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 236.9 | 236.9 | 236.9 | 236.9 | 236.9 | 236.9 | 236.9 | 236.9 | 236.9 | 236.9 | 236.9 |
| 2.5°  | 237.4 | 237.4 | 236.7 | 237.1 | 236.9 | 237.1 | 238.1 | 237.1 | 236.9 | 237.6 | 238.3 |
| 5°    | 237.4 | 237.8 | 237.1 | 237.6 | 237.6 | 238.3 | 239.4 | 238.7 | 239.2 | 240.1 | 241.1 |
| 7.5°  | 236.4 | 237.1 | 237.1 | 238.1 | 238.7 | 239.9 | 241.5 | 241.1 | 242.0 | 243.4 | 244.6 |
| 10°   | 233.9 | 235.0 | 236.2 | 237.6 | 239.2 | 241.1 | 243.4 | 243.4 | 244.3 | 246.2 | 247.3 |
| 12.5° | 227.6 | 230.6 | 232.0 | 235.3 | 237.8 | 240.6 | 243.2 | 244.8 | 245.5 | 247.1 | 248.5 |
| 15°   | 215.1 | 218.8 | 221.6 | 225.5 | 229.7 | 233.6 | 238.1 | 239.7 | 241.1 | 241.8 | 242.5 |
| 17.5° | 200.7 | 203.2 | 205.1 | 210.2 | 214.8 | 218.5 | 222.7 | 224.8 | 226.4 | 226.4 | 226.9 |
| 20°   | 188.8 | 190.0 | 190.4 | 190.4 | 193.2 | 196.7 | 202.1 | 201.4 | 202.8 | 201.4 | 202.8 |
| 22.5° | 170.5 | 168.6 | 169.5 | 169.5 | 171.4 | 170.7 | 172.8 | 176.3 | 175.8 | 176.7 | 180.7 |
| 25°   | 148.2 | 148.4 | 146.8 | 146.8 | 147.0 | 147.5 | 148.4 | 149.3 | 152.6 | 156.1 | 158.6 |
| 27.5° | 127.0 | 126.6 | 125.4 | 124.5 | 123.6 | 125.2 | 126.3 | 126.1 | 130.8 | 133.5 | 138.2 |
| 30°   | 103.8 | 103.8 | 104.0 | 103.6 | 104.5 | 103.3 | 105.2 | 105.7 | 109.6 | 112.6 | 116.8 |
| 32.5° | 84.5  | 85.0  | 85.0  | 84.8  | 86.4  | 85.2  | 86.2  | 87.3  | 89.9  | 92.4  | 94.5  |
| 35°   | 67.1  | 67.8  | 69.7  | 70.4  | 71.1  | 70.1  | 71.3  | 72.7  | 72.9  | 75.2  | 76.9  |
| 37.5° | 56.9  | 58.1  | 58.3  | 58.8  | 58.8  | 59.5  | 59.7  | 60.6  | 60.6  | 61.3  | 61.8  |
| 40°   | 52.5  | 52.0  | 51.8  | 51.6  | 51.1  | 51.3  | 51.6  | 52.3  | 52.5  | 53.0  | 53.0  |
| 42.5° | 50.4  | 49.7  | 48.5  | 47.8  | 46.9  | 46.9  | 46.9  | 46.9  | 47.6  | 48.1  | 48.1  |
| 45°   | 48.5  | 47.4  | 46.2  | 45.1  | 44.4  | 43.9  | 44.1  | 44.4  | 44.8  | 45.1  | 45.3  |
| 47.5° | 47.4  | 45.8  | 43.9  | 42.7  | 42.0  | 41.6  | 41.8  | 42.0  | 42.0  | 42.3  | 42.5  |
| 50°   | 44.1  | 42.5  | 40.9  | 39.7  | 39.0  | 38.8  | 38.8  | 38.6  | 38.8  | 39.0  | 39.0  |
| 52.5° | 41.6  | 39.9  | 38.6  | 37.4  | 36.7  | 36.7  | 36.5  | 36.0  | 36.2  | 36.0  | 36.2  |
| 55°   | 40.2  | 38.1  | 36.5  | 35.3  | 34.6  | 34.6  | 34.1  | 34.4  | 34.4  | 33.9  | 34.1  |
| 57.5° | 38.6  | 36.5  | 35.1  | 33.7  | 32.7  | 32.7  | 32.5  | 32.7  | 33.0  | 32.3  | 32.3  |
| 60°   | 36.9  | 35.1  | 33.4  | 32.3  | 31.1  | 31.4  | 31.1  | 31.6  | 31.6  | 30.9  | 30.9  |
| 62.5° | 33.9  | 32.3  | 31.4  | 30.7  | 29.7  | 30.0  | 30.0  | 30.7  | 30.0  | 29.5  | 29.3  |
| 65°   | 31.6  | 30.4  | 29.0  | 29.0  | 28.1  | 28.6  | 28.6  | 28.6  | 27.9  | 27.6  | 27.9  |
| 67.5° | 30.0  | 28.6  | 27.6  | 26.7  | 26.0  | 26.2  | 25.8  | 25.8  | 25.5  | 25.3  | 25.8  |
| 70°   | 26.9  | 25.8  | 25.3  | 24.4  | 23.9  | 23.2  | 23.0  | 23.0  | 23.0  | 22.8  | 23.0  |
| 72.5° | 23.9  | 23.0  | 22.5  | 21.6  | 21.1  | 20.7  | 20.4  | 20.2  | 20.0  | 20.2  | 20.2  |
| 75°   | 20.2  | 19.7  | 19.3  | 18.8  | 18.3  | 18.1  | 17.9  | 17.9  | 17.7  | 17.4  | 17.7  |
| 77.5° | 17.4  | 16.7  | 16.5  | 16.0  | 16.3  | 15.6  | 15.3  | 15.6  | 15.6  | 15.6  | 15.8  |
| 80°   | 14.9  | 14.4  | 14.4  | 13.9  | 13.7  | 13.2  | 13.5  | 13.5  | 13.5  | 13.5  | 13.7  |
| 82.5° | 13.0  | 12.5  | 12.5  | 12.3  | 11.6  | 11.1  | 11.4  | 11.8  | 11.8  | 11.6  | 12.1  |
| 85°   | 10.7  | 10.2  | 10.2  | 10.0  | 9.1   | 8.8   | 8.6   | 9.1   | 9.3   | 8.8   | 9.3   |
| 87.5° | 7.0   | 6.5   | 6.3   | 6.3   | 5.3   | 3.7   | 4.9   | 5.3   | 5.3   | 4.4   | 5.1   |
| 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):**

|       | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  | 200°  | 205°  | 210°  | 215°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 236.9 | 236.9 | 236.9 | 236.9 | 236.9 | 236.9 | 236.9 | 236.9 | 236.9 | 236.9 | 236.9 |
| 2.5°  | 238.1 | 238.5 | 238.5 | 239.0 | 239.9 | 239.0 | 238.5 | 239.2 | 239.2 | 239.0 | 239.0 |
| 5°    | 241.1 | 242.0 | 242.2 | 243.6 | 244.3 | 243.9 | 244.3 | 244.8 | 245.0 | 244.6 | 245.0 |
| 7.5°  | 245.0 | 246.2 | 247.3 | 249.0 | 250.4 | 250.1 | 250.8 | 251.8 | 252.0 | 252.0 | 252.5 |
| 10°   | 248.3 | 249.9 | 251.1 | 253.1 | 254.8 | 255.2 | 255.9 | 257.1 | 258.3 | 258.3 | 259.2 |
| 12.5° | 249.0 | 250.8 | 252.0 | 253.8 | 256.6 | 257.6 | 259.2 | 262.0 | 263.1 | 264.1 | 264.8 |
| 15°   | 242.9 | 244.6 | 246.2 | 248.7 | 252.0 | 254.8 | 258.5 | 262.4 | 265.9 | 268.5 | 269.4 |
| 17.5° | 227.1 | 227.4 | 229.0 | 232.7 | 239.4 | 242.5 | 247.1 | 255.2 | 260.1 | 264.8 | 269.2 |
| 20°   | 203.9 | 208.3 | 209.9 | 214.8 | 221.3 | 226.0 | 231.3 | 238.7 | 246.2 | 254.5 | 262.0 |
| 22.5° | 183.5 | 189.3 | 193.9 | 199.7 | 205.1 | 210.4 | 217.1 | 223.7 | 231.8 | 239.9 | 248.7 |
| 25°   | 162.6 | 167.9 | 174.4 | 180.7 | 187.0 | 193.7 | 202.1 | 209.0 | 217.1 | 226.7 | 237.8 |
| 27.5° | 142.4 | 147.9 | 155.1 | 162.6 | 167.7 | 176.7 | 183.7 | 193.9 | 203.2 | 213.7 | 226.2 |
| 30°   | 121.2 | 126.6 | 130.1 | 138.2 | 145.4 | 154.4 | 165.1 | 175.1 | 186.3 | 197.9 | 212.5 |
| 32.5° | 98.2  | 101.5 | 106.4 | 111.9 | 120.3 | 129.8 | 141.0 | 151.7 | 167.0 | 181.4 | 195.3 |
| 35°   | 78.7  | 80.4  | 80.1  | 86.4  | 90.1  | 101.5 | 115.4 | 125.6 | 141.0 | 158.6 | 177.0 |
| 37.5° | 62.0  | 61.8  | 63.2  | 64.1  | 68.7  | 76.2  | 87.1  | 100.3 | 118.0 | 137.0 | 155.4 |
| 40°   | 53.0  | 53.2  | 53.4  | 53.4  | 54.3  | 59.2  | 69.0  | 82.7  | 99.6  | 116.6 | 136.8 |
| 42.5° | 48.8  | 49.2  | 49.5  | 49.9  | 50.4  | 52.0  | 59.0  | 71.8  | 86.2  | 104.3 | 122.4 |
| 45°   | 45.8  | 46.4  | 47.1  | 47.1  | 47.6  | 48.1  | 52.0  | 61.8  | 76.2  | 93.4  | 112.4 |
| 47.5° | 43.2  | 43.9  | 44.4  | 44.6  | 45.1  | 45.5  | 47.6  | 54.3  | 68.3  | 83.8  | 103.6 |
| 50°   | 39.5  | 40.2  | 40.6  | 41.3  | 41.3  | 41.3  | 42.7  | 47.6  | 58.3  | 73.6  | 92.9  |
| 52.5° | 36.5  | 36.9  | 37.6  | 38.1  | 38.3  | 38.6  | 39.2  | 42.0  | 50.2  | 64.6  | 82.7  |
| 55°   | 34.8  | 35.3  | 36.0  | 36.5  | 36.9  | 37.2  | 37.6  | 38.8  | 44.6  | 56.9  | 73.9  |
| 57.5° | 32.7  | 33.4  | 34.4  | 34.8  | 35.3  | 35.5  | 35.8  | 36.2  | 40.2  | 49.5  | 63.4  |
| 60°   | 31.4  | 32.5  | 33.7  | 34.4  | 34.6  | 34.8  | 35.1  | 34.6  | 36.2  | 42.0  | 53.0  |
| 62.5° | 29.7  | 30.9  | 31.8  | 32.7  | 33.0  | 33.2  | 33.4  | 32.7  | 32.5  | 35.3  | 41.3  |
| 65°   | 28.3  | 29.0  | 29.7  | 30.4  | 30.4  | 30.7  | 30.4  | 29.5  | 28.8  | 28.8  | 31.6  |
| 67.5° | 26.5  | 26.9  | 27.6  | 27.9  | 27.9  | 27.9  | 27.6  | 27.4  | 26.2  | 25.8  | 26.2  |
| 70°   | 23.7  | 24.4  | 25.1  | 25.5  | 25.5  | 25.3  | 25.1  | 24.4  | 23.9  | 23.5  | 23.9  |
| 72.5° | 21.1  | 22.1  | 22.3  | 22.5  | 22.3  | 22.3  | 22.3  | 21.8  | 22.1  | 22.1  | 22.3  |
| 75°   | 18.6  | 19.0  | 19.0  | 19.5  | 19.5  | 19.5  | 19.5  | 19.5  | 20.0  | 19.7  | 20.0  |
| 77.5° | 15.8  | 16.0  | 16.5  | 16.5  | 16.5  | 16.7  | 17.2  | 17.2  | 17.7  | 17.9  | 17.9  |
| 80°   | 13.7  | 13.2  | 13.2  | 13.0  | 13.2  | 13.7  | 14.2  | 15.1  | 15.1  | 15.3  | 15.6  |
| 82.5° | 10.9  | 10.0  | 9.5   | 10.0  | 10.0  | 10.2  | 11.1  | 12.1  | 12.1  | 12.8  | 13.0  |
| 85°   | 8.4   | 7.2   | 6.3   | 6.7   | 6.7   | 7.2   | 8.1   | 8.6   | 9.3   | 9.5   | 9.3   |
| 87.5° | 4.9   | 4.2   | 2.8   | 2.3   | 2.8   | 3.5   | 3.7   | 4.2   | 3.5   | 3.9   | 4.2   |
| 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):**

|       | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 236.9 | 236.9 | 236.9 | 236.9 | 236.9 | 236.9 | 236.9 | 236.9 | 236.9 | 236.9 | 236.9 |
| 2.5°  | 239.4 | 239.4 | 238.3 | 238.3 | 238.5 | 239.0 | 237.8 | 237.6 | 237.8 | 237.6 | 237.4 |
| 5°    | 245.7 | 245.0 | 244.8 | 244.3 | 244.1 | 244.6 | 243.4 | 243.4 | 243.2 | 242.7 | 242.0 |
| 7.5°  | 252.7 | 252.2 | 251.8 | 251.3 | 250.8 | 251.1 | 249.9 | 249.7 | 249.4 | 249.2 | 248.5 |
| 10°   | 259.2 | 258.5 | 258.0 | 256.9 | 255.9 | 255.0 | 252.7 | 252.0 | 251.3 | 250.8 | 250.6 |
| 12.5° | 264.5 | 263.8 | 262.2 | 260.1 | 258.7 | 256.4 | 254.5 | 252.9 | 252.2 | 251.5 | 251.8 |
| 15°   | 269.6 | 268.2 | 266.2 | 263.6 | 262.2 | 259.9 | 258.5 | 257.8 | 257.3 | 256.9 | 257.3 |
| 17.5° | 271.3 | 271.7 | 270.6 | 269.9 | 268.9 | 268.0 | 268.2 | 268.9 | 270.3 | 270.3 | 270.3 |
| 20°   | 268.2 | 273.4 | 276.6 | 279.2 | 281.2 | 282.6 | 282.9 | 283.6 | 285.2 | 285.9 | 289.4 |
| 22.5° | 261.0 | 274.3 | 285.2 | 294.0 | 299.6 | 301.5 | 303.5 | 305.9 | 306.1 | 306.8 | 310.0 |
| 25°   | 254.3 | 273.6 | 289.8 | 303.8 | 316.8 | 325.8 | 330.9 | 335.6 | 336.8 | 337.7 | 337.7 |
| 27.5° | 242.5 | 263.8 | 284.7 | 303.3 | 321.2 | 336.3 | 348.1 | 360.2 | 368.6 | 371.6 | 376.0 |
| 30°   | 229.9 | 252.5 | 274.0 | 297.5 | 320.3 | 341.4 | 362.8 | 382.3 | 396.0 | 406.2 | 414.3 |
| 32.5° | 214.1 | 238.5 | 263.1 | 288.7 | 315.9 | 342.3 | 370.9 | 399.2 | 425.2 | 445.7 | 458.2 |
| 35°   | 197.6 | 223.2 | 248.7 | 276.8 | 307.5 | 339.5 | 376.0 | 413.6 | 448.5 | 481.7 | 510.2 |
| 37.5° | 179.5 | 203.7 | 231.5 | 263.6 | 296.6 | 334.9 | 377.4 | 424.1 | 472.4 | 520.0 | 556.9 |
| 40°   | 158.9 | 182.3 | 209.3 | 242.9 | 282.9 | 326.1 | 376.7 | 432.2 | 492.8 | 552.0 | 611.5 |
| 42.5° | 144.7 | 166.3 | 192.1 | 226.0 | 266.6 | 316.1 | 373.9 | 439.6 | 511.4 | 584.8 | 659.6 |
| 45°   | 134.0 | 155.1 | 180.5 | 213.0 | 254.3 | 306.3 | 373.0 | 448.0 | 530.9 | 615.0 | 702.3 |
| 47.5° | 124.7 | 146.5 | 170.9 | 203.0 | 242.9 | 297.5 | 370.9 | 455.0 | 547.2 | 638.2 | 739.5 |
| 50°   | 115.7 | 138.0 | 163.0 | 195.3 | 234.6 | 288.0 | 366.3 | 461.2 | 562.5 | 662.4 | 770.1 |
| 52.5° | 105.7 | 127.7 | 154.7 | 187.7 | 229.2 | 281.9 | 361.4 | 466.3 | 577.4 | 688.1 | 801.9 |
| 55°   | 95.0  | 117.3 | 143.8 | 178.6 | 222.0 | 277.3 | 356.5 | 469.6 | 592.9 | 711.4 | 830.5 |
| 57.5° | 83.4  | 105.7 | 131.5 | 167.0 | 213.2 | 271.0 | 351.2 | 469.4 | 604.3 | 733.2 | 861.4 |
| 60°   | 69.2  | 89.4  | 115.0 | 150.7 | 197.9 | 262.2 | 346.7 | 467.5 | 612.4 | 752.5 | 895.8 |
| 62.5° | 52.7  | 69.9  | 93.4  | 126.8 | 175.8 | 245.3 | 335.1 | 459.6 | 613.4 | 766.4 | 924.3 |
| 65°   | 37.6  | 46.9  | 65.5  | 98.9  | 139.6 | 207.4 | 307.0 | 438.7 | 598.0 | 756.4 | 926.9 |
| 67.5° | 28.8  | 33.9  | 43.0  | 62.9  | 98.9  | 157.9 | 258.7 | 391.8 | 550.4 | 703.2 | 884.2 |
| 70°   | 24.9  | 27.4  | 32.3  | 41.1  | 62.0  | 102.4 | 183.2 | 309.6 | 453.3 | 605.0 | 759.4 |
| 72.5° | 23.0  | 24.6  | 27.6  | 32.0  | 39.5  | 60.4  | 112.9 | 208.1 | 333.0 | 461.2 | 596.4 |
| 75°   | 21.1  | 22.8  | 25.1  | 27.9  | 31.6  | 40.4  | 61.5  | 122.4 | 205.5 | 304.7 | 400.9 |
| 77.5° | 18.8  | 20.2  | 23.2  | 25.8  | 28.1  | 31.6  | 39.2  | 68.0  | 113.1 | 182.3 | 239.9 |
| 80°   | 15.8  | 17.2  | 19.5  | 23.5  | 25.8  | 28.1  | 30.7  | 41.8  | 62.5  | 94.3  | 123.1 |
| 82.5° | 13.0  | 13.7  | 15.6  | 19.0  | 21.1  | 22.3  | 23.0  | 27.2  | 35.5  | 46.4  | 67.8  |
| 85°   | 9.1   | 9.1   | 10.5  | 12.3  | 13.9  | 13.0  | 13.2  | 13.9  | 18.3  | 25.8  | 52.0  |
| 87.5° | 3.5   | 2.6   | 3.3   | 3.9   | 3.9   | 3.7   | 4.4   | 4.2   | 5.8   | 10.9  | 14.9  |
| 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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REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

|       | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |       |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0°    | 236.9  | 236.9  | 236.9  | 236.9  | 236.9  | 236.9  | 236.9  | 236.9  | 236.9  | 236.9  | 236.9  | 0°    |
| 2.5°  | 237.4  | 237.4  | 237.1  | 236.9  | 236.7  | 236.7  | 236.2  | 236.9  | 236.7  | 236.9  | 237.1  | 2.5°  |
| 5°    | 242.2  | 241.8  | 241.3  | 240.8  | 240.8  | 240.4  | 239.7  | 239.4  | 238.5  | 238.3  | 237.6  | 5°    |
| 7.5°  | 249.2  | 249.2  | 249.2  | 248.7  | 247.8  | 246.6  | 245.3  | 244.3  | 241.8  | 239.9  | 237.8  | 7.5°  |
| 10°   | 251.1  | 251.5  | 251.8  | 252.0  | 251.1  | 250.8  | 249.2  | 247.3  | 244.3  | 241.5  | 238.7  | 10°   |
| 12.5° | 251.8  | 252.7  | 252.9  | 253.1  | 252.5  | 252.0  | 250.4  | 249.2  | 246.6  | 243.9  | 242.5  | 12.5° |
| 15°   | 258.3  | 259.9  | 261.7  | 261.5  | 263.6  | 261.3  | 259.9  | 260.1  | 257.3  | 254.3  | 253.4  | 15°   |
| 17.5° | 275.0  | 275.7  | 279.6  | 279.9  | 283.1  | 284.0  | 281.7  | 279.2  | 277.5  | 275.7  | 271.7  | 17.5° |
| 20°   | 293.1  | 298.2  | 299.6  | 306.6  | 309.8  | 311.4  | 311.7  | 311.7  | 308.7  | 300.5  | 297.3  | 20°   |
| 22.5° | 312.8  | 320.5  | 328.9  | 333.3  | 340.0  | 340.9  | 344.4  | 342.3  | 340.0  | 333.7  | 326.3  | 22.5° |
| 25°   | 344.7  | 349.1  | 356.5  | 367.6  | 370.9  | 377.6  | 376.2  | 379.3  | 374.1  | 363.2  | 358.8  | 25°   |
| 27.5° | 380.2  | 387.8  | 398.3  | 408.8  | 413.4  | 420.8  | 416.2  | 420.8  | 412.5  | 409.4  | 398.8  | 27.5° |
| 30°   | 419.0  | 429.4  | 448.0  | 461.0  | 470.5  | 475.6  | 472.6  | 470.1  | 467.7  | 462.2  | 461.5  | 30°   |
| 32.5° | 466.6  | 479.1  | 496.8  | 513.7  | 530.4  | 547.9  | 552.0  | 555.8  | 564.4  | 547.4  | 530.9  | 32.5° |
| 35°   | 525.3  | 534.9  | 554.6  | 574.1  | 597.1  | 618.9  | 654.9  | 664.0  | 652.4  | 632.2  | 605.7  | 35°   |
| 37.5° | 582.7  | 604.3  | 624.0  | 647.3  | 664.5  | 689.5  | 705.6  | 723.4  | 713.7  | 694.9  | 664.5  | 37.5° |
| 40°   | 653.1  | 682.3  | 709.3  | 737.8  | 757.4  | 776.9  | 807.1  | 826.6  | 824.7  | 801.2  | 760.1  | 40°   |
| 42.5° | 717.6  | 764.1  | 808.7  | 830.0  | 856.1  | 891.4  | 913.7  | 944.8  | 946.9  | 919.7  | 867.4  | 42.5° |
| 45°   | 785.2  | 839.3  | 893.7  | 935.7  | 957.8  | 1001.4 | 1052.5 | 1086.4 | 1096.9 | 1045.1 | 991.7  | 45°   |
| 47.5° | 838.2  | 922.5  | 995.4  | 1040.2 | 1081.3 | 1126.4 | 1192.1 | 1241.1 | 1236.9 | 1167.0 | 1096.4 | 47.5° |
| 50°   | 884.6  | 991.9  | 1080.2 | 1154.0 | 1203.3 | 1255.3 | 1341.9 | 1400.4 | 1380.0 | 1291.1 | 1202.8 | 50°   |
| 52.5° | 926.7  | 1052.5 | 1161.7 | 1253.2 | 1310.6 | 1384.9 | 1494.3 | 1545.4 | 1487.3 | 1401.4 | 1292.2 | 52.5° |
| 55°   | 965.2  | 1107.3 | 1234.2 | 1344.2 | 1432.7 | 1528.6 | 1631.3 | 1666.4 | 1583.7 | 1477.5 | 1377.2 | 55°   |
| 57.5° | 1000.7 | 1158.2 | 1300.8 | 1433.0 | 1551.6 | 1666.1 | 1755.5 | 1757.9 | 1654.1 | 1536.3 | 1440.6 | 57.5° |
| 60°   | 1043.5 | 1204.9 | 1370.5 | 1524.9 | 1669.6 | 1788.5 | 1840.8 | 1824.3 | 1699.3 | 1580.2 | 1484.3 | 60°   |
| 62.5° | 1084.8 | 1246.9 | 1427.4 | 1613.4 | 1787.8 | 1891.6 | 1902.1 | 1867.3 | 1730.5 | 1600.6 | 1517.0 | 62.5° |
| 65°   | 1105.3 | 1279.0 | 1459.2 | 1669.6 | 1880.3 | 1953.2 | 1940.4 | 1885.8 | 1743.0 | 1603.7 | 1525.4 | 65°   |
| 67.5° | 1075.3 | 1249.0 | 1428.8 | 1645.2 | 1879.8 | 1949.2 | 1916.3 | 1850.3 | 1712.6 | 1562.5 | 1486.6 | 67.5° |
| 70°   | 965.0  | 1133.4 | 1279.9 | 1483.6 | 1747.4 | 1815.9 | 1766.5 | 1701.2 | 1586.0 | 1439.2 | 1404.6 | 70°   |
| 72.5° | 811.9  | 936.9  | 1059.5 | 1210.0 | 1390.9 | 1450.8 | 1385.6 | 1418.1 | 1388.4 | 1246.2 | 1214.6 | 72.5° |
| 75°   | 609.4  | 726.2  | 774.1  | 820.3  | 945.2  | 981.0  | 955.9  | 1067.4 | 1097.8 | 1038.6 | 958.0  | 75°   |
| 77.5° | 398.8  | 521.4  | 530.2  | 531.1  | 582.2  | 650.8  | 741.6  | 857.4  | 915.0  | 888.3  | 790.6  | 77.5° |
| 80°   | 232.5  | 367.4  | 328.6  | 316.1  | 361.4  | 437.8  | 557.6  | 702.8  | 779.0  | 784.5  | 691.2  | 80°   |
| 82.5° | 116.8  | 230.4  | 199.5  | 197.4  | 223.0  | 279.4  | 366.9  | 448.0  | 547.2  | 551.8  | 564.1  | 82.5° |
| 85°   | 90.8   | 158.4  | 162.1  | 175.8  | 193.7  | 217.1  | 223.7  | 238.1  | 293.3  | 344.4  | 357.7  | 85°   |
| 87.5° | 47.1   | 116.6  | 137.5  | 160.0  | 157.9  | 129.4  | 109.2  | 117.7  | 137.0  | 144.5  | 187.7  | 87.5° |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 90°   |



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**DISTRIBUTION (continued):**

| 330°   | 335°   | 340°   | 345°   | 350°   | 355°  | 360°  |
|--------|--------|--------|--------|--------|-------|-------|
| 236.9  | 236.9  | 236.9  | 236.9  | 236.9  | 236.9 | 236.9 |
| 236.7  | 237.1  | 236.9  | 237.1  | 237.4  | 237.4 | 237.1 |
| 236.4  | 236.2  | 235.3  | 234.8  | 234.8  | 234.3 | 234.1 |
| 235.0  | 233.4  | 231.1  | 229.7  | 228.8  | 228.1 | 226.9 |
| 235.3  | 232.5  | 229.5  | 227.4  | 225.3  | 223.9 | 222.5 |
| 238.3  | 234.8  | 232.0  | 228.8  | 227.1  | 225.3 | 223.7 |
| 248.7  | 244.1  | 240.8  | 237.8  | 236.0  | 234.6 | 233.2 |
| 265.5  | 259.9  | 254.5  | 251.8  | 248.5  | 246.2 | 245.9 |
| 288.0  | 279.9  | 272.9  | 266.6  | 263.6  | 259.9 | 259.2 |
| 313.5  | 301.7  | 294.3  | 287.3  | 283.1  | 278.7 | 278.9 |
| 346.0  | 334.2  | 322.1  | 314.9  | 308.9  | 309.6 | 308.9 |
| 385.1  | 375.8  | 361.8  | 353.0  | 351.2  | 344.0 | 338.6 |
| 445.9  | 432.0  | 415.0  | 399.2  | 389.2  | 377.4 | 366.3 |
| 505.6  | 479.8  | 457.3  | 442.0  | 429.2  | 411.8 | 394.4 |
| 564.6  | 534.9  | 514.0  | 501.0  | 481.2  | 456.8 | 429.7 |
| 634.7  | 615.2  | 600.4  | 568.5  | 540.4  | 503.0 | 461.9 |
| 736.0  | 711.4  | 675.8  | 635.4  | 594.8  | 541.8 | 485.6 |
| 836.8  | 807.1  | 757.4  | 697.9  | 639.6  | 575.7 | 504.2 |
| 946.2  | 888.8  | 824.0  | 752.0  | 680.2  | 601.1 | 517.0 |
| 1032.3 | 960.8  | 880.0  | 793.6  | 712.5  | 622.0 | 528.1 |
| 1120.4 | 1034.0 | 932.5  | 835.2  | 741.8  | 638.9 | 539.3 |
| 1189.6 | 1093.2 | 986.1  | 873.0  | 769.0  | 658.0 | 554.6 |
| 1258.8 | 1152.2 | 1034.2 | 910.9  | 802.6  | 684.4 | 577.6 |
| 1316.4 | 1205.6 | 1080.6 | 952.2  | 841.7  | 719.7 | 615.2 |
| 1392.3 | 1280.6 | 1135.2 | 1001.2 | 885.8  | 767.8 | 662.8 |
| 1464.5 | 1368.6 | 1211.2 | 1058.8 | 939.7  | 822.1 | 716.9 |
| 1512.1 | 1468.0 | 1289.0 | 1116.6 | 990.3  | 873.0 | 764.6 |
| 1513.1 | 1531.2 | 1370.9 | 1163.5 | 1037.7 | 928.3 | 803.6 |
| 1476.6 | 1540.0 | 1388.4 | 1167.7 | 1060.2 | 952.9 | 824.0 |
| 1350.5 | 1431.3 | 1284.1 | 1085.3 | 1018.4 | 933.6 | 801.5 |
| 1044.6 | 1103.2 | 1027.0 | 919.9  | 922.2  | 872.8 | 713.2 |
| 723.2  | 778.5  | 714.4  | 691.6  | 742.5  | 714.9 | 532.5 |
| 547.9  | 476.6  | 451.5  | 463.6  | 527.0  | 523.9 | 334.9 |
| 487.9  | 360.7  | 299.1  | 314.0  | 372.1  | 339.8 | 186.5 |
| 400.2  | 359.7  | 300.8  | 272.0  | 283.6  | 232.0 | 127.5 |
| 230.4  | 263.1  | 214.4  | 202.1  | 175.8  | 104.5 | 51.8  |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   |

(END OF REPORT)