

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: STREETWORKS

Report Number: P255058

Luminaire Tested: **LXF.LXT-AF24-30-D-U-5WQ-TL-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P255058  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-33)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-30-D-U-5WQ-TL-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3340 lumens  
Efficiency: N/A  
Efficacy: 107.7 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B2 - U3 - G2

Input Watts (W): 31  
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: 28.75 FT

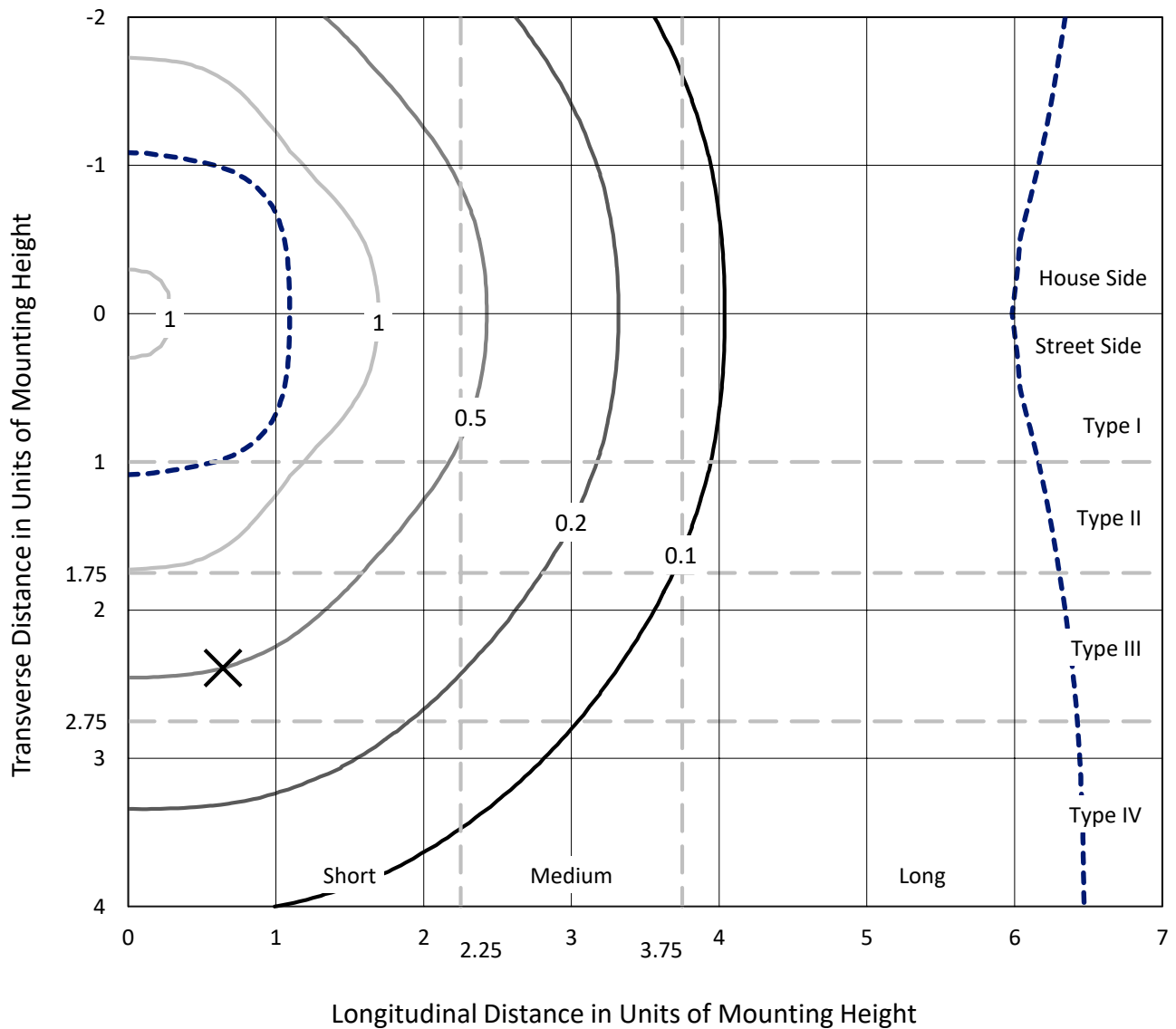


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### Iso-Footcandle Lines of Horizontal Illumination

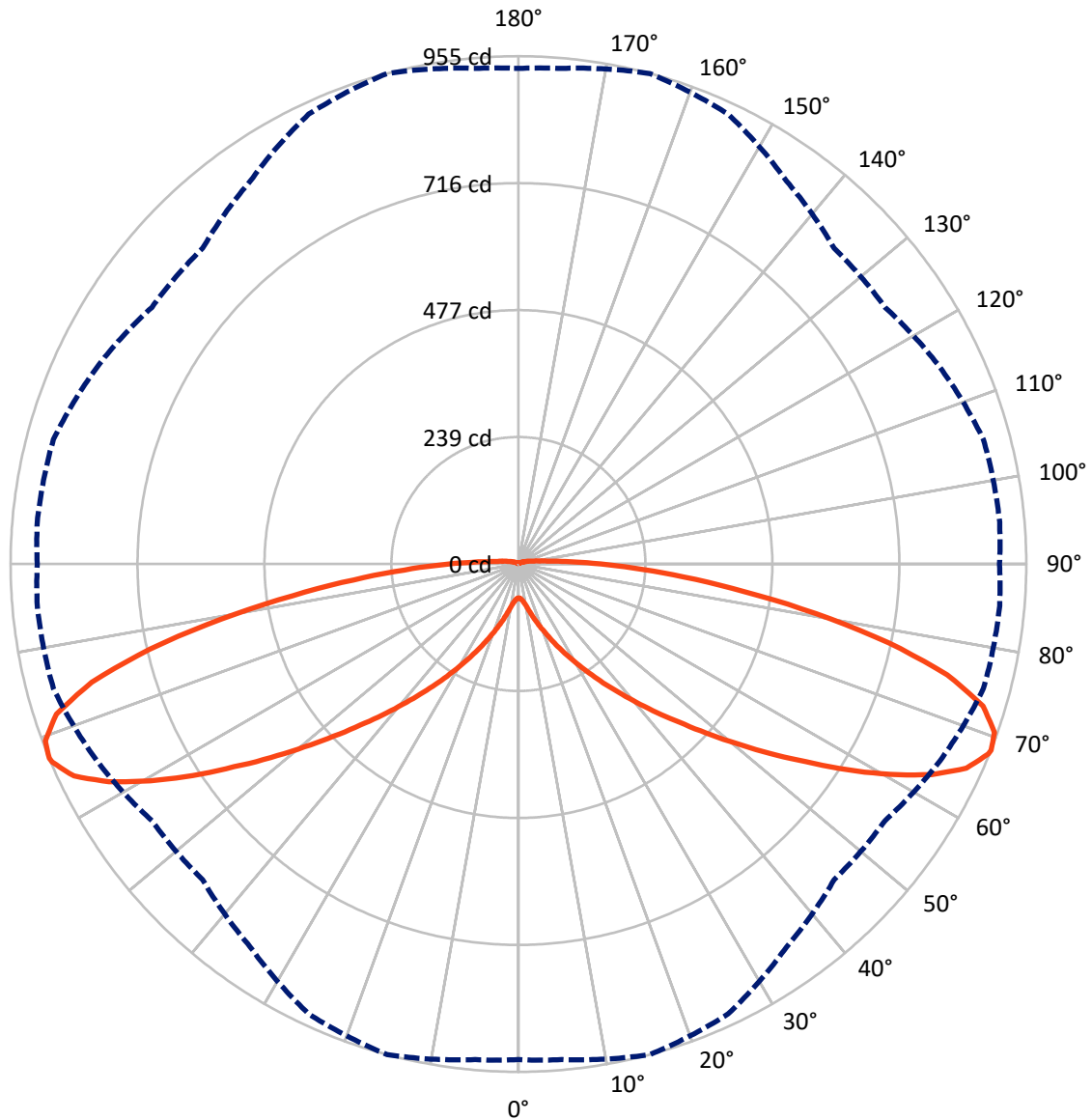
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical

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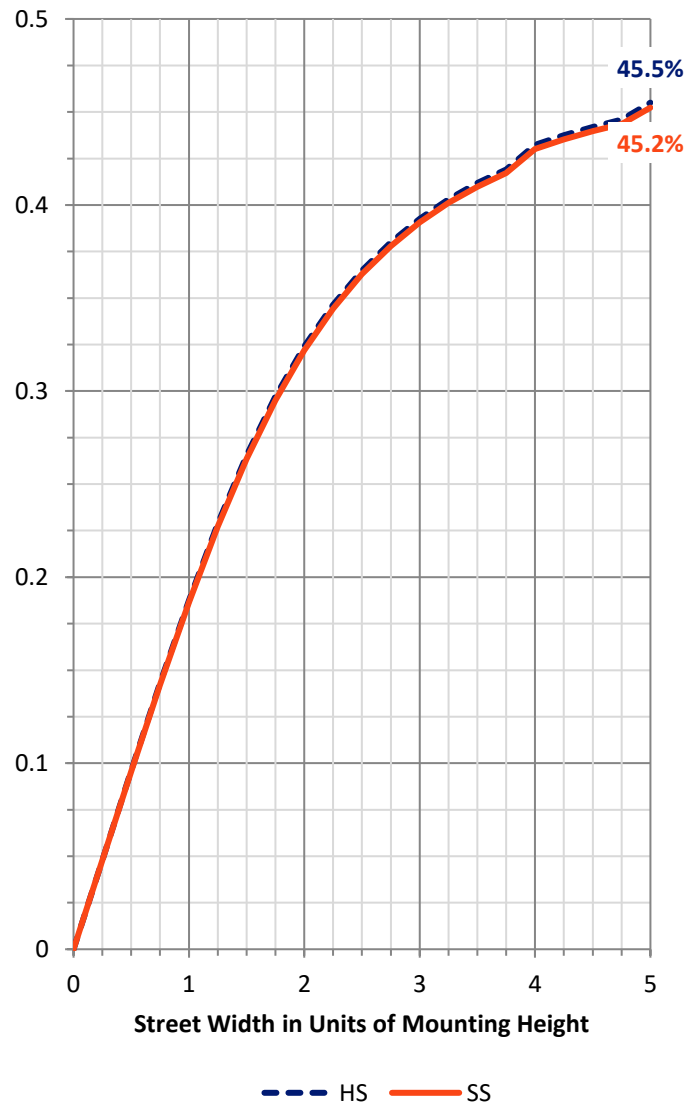
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1603.2   | 66.8   | 1670.0 |
|                    | % Fixture | 48.0     | 2.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 1603.2   | 66.8   | 1670.0 |
|                    | % Fixture | 48.0     | 2.0    | 50.0   |
| <b>Total</b>       | Lumens    | 3206.4   | 133.7  | 3340.0 |
|                    | % Fixture | 96.0     | 4.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 6.9    | 0.2       |
| 10°-20°   | 30.5   | 0.9       |
| 20°-30°   | 80.5   | 2.4       |
| 30°-40°   | 168.9  | 5.1       |
| 40°-50°   | 317.1  | 9.5       |
| 50°-60°   | 560.4  | 16.8      |
| 60°-70°   | 845.2  | 25.3      |
| 70°-80°   | 819.2  | 24.5      |
| 80°-90°   | 377.6  | 11.3      |
| 90°-100°  | 89.8   | 2.7       |
| 100°-110° | 25.1   | 0.8       |
| 110°-120° | 10.5   | 0.3       |
| 120°-130° | 4.7    | 0.1       |
| 130°-140° | 2.3    | 0.1       |
| 140°-150° | 0.9    | 0.0       |
| 150°-160° | 0.2    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 3206.4 | 96.0      |
| 0°-180°   | 3340.0 | 100.0     |



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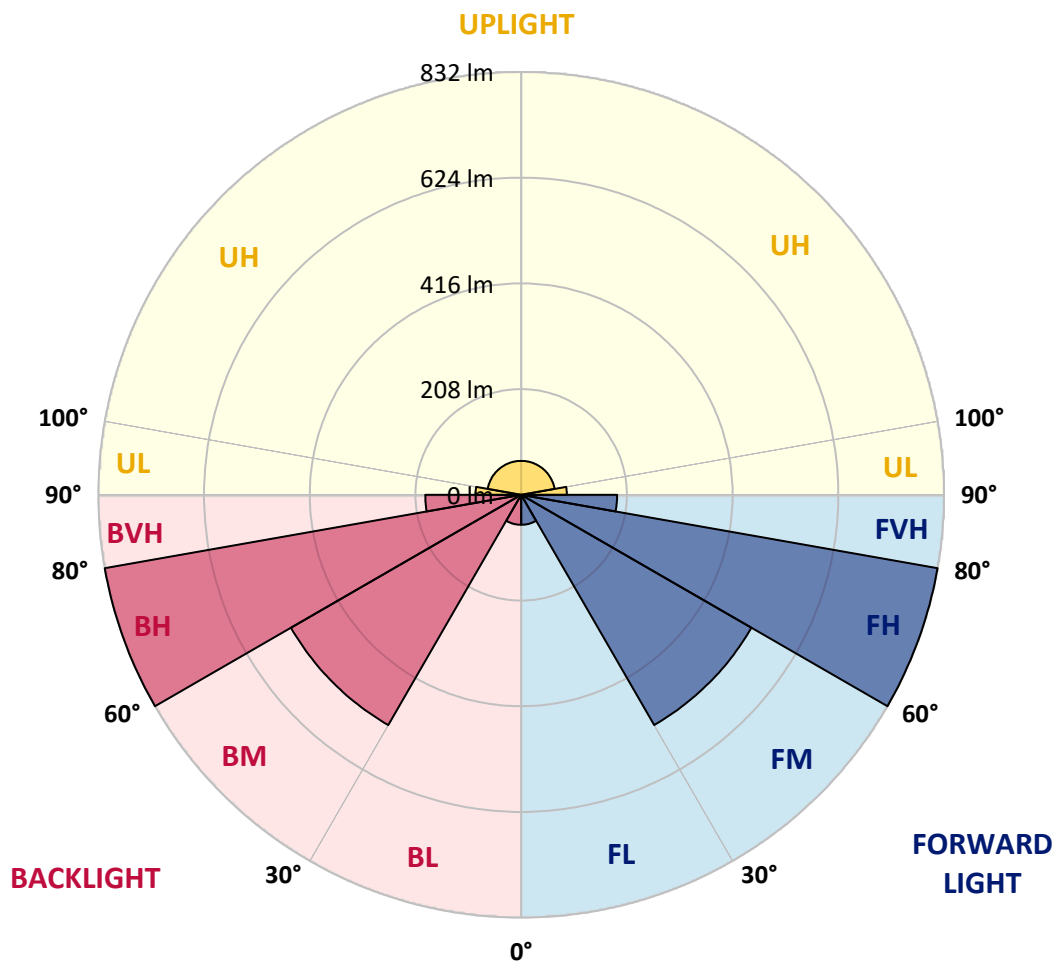
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |        |         |
|----------------|--------|-----------|-------------------------|--------|---------|
|                |        |           | B                       | U      | G       |
| FL (0°-30°)    | 58.9   | 1.8       |                         |        |         |
| FM (30°-60°)   | 523.2  | 15.7      |                         |        |         |
| FH (60°-80°)   | 832.2  | 24.9      |                         |        | G1/1800 |
| FVH (80°-90°)  | 188.8  | 5.7       |                         |        | G2/225  |
| BL (0°-30°)    | 58.9   | 1.8       | B0/110                  |        |         |
| BM (30°-60°)   | 523.2  | 15.7      | B1/1000                 |        |         |
| BH (60°-80°)   | 832.2  | 24.9      | B2/1000                 |        | G1/1800 |
| BVH (80°-90°)  | 188.8  | 5.7       |                         |        | G2/225  |
| UL (90°-100°)  | 89.8   | 2.7       |                         | U3/500 |         |
| UH (100°-180°) | 66.8   | 2.0       |                         | U3/500 |         |

**BUG Rating: B2-U3-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 75°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  |
| 2.5°   | 64.8  | 64.8  | 64.8  | 64.8  | 64.8  | 65.2  | 64.8  | 64.8  | 64.8  | 64.8  | 64.8  |
| 5°     | 67.4  | 67.4  | 67.4  | 67.8  | 67.8  | 67.8  | 67.8  | 67.8  | 67.8  | 68.2  | 67.8  |
| 7.5°   | 72.3  | 72.3  | 72.3  | 72.3  | 72.3  | 72.3  | 72.6  | 73.1  | 73.1  | 73.4  | 73.4  |
| 10°    | 79.8  | 79.8  | 79.4  | 79.4  | 79.4  | 79.8  | 79.8  | 80.6  | 81.0  | 82.1  | 81.6  |
| 12.5°  | 91.4  | 91.4  | 90.6  | 89.9  | 89.5  | 89.1  | 89.9  | 91.4  | 92.6  | 94.4  | 94.1  |
| 15°    | 104.6 | 104.6 | 103.8 | 102.6 | 102.2 | 101.9 | 102.2 | 104.2 | 106.0 | 107.8 | 107.5 |
| 17.5°  | 119.1 | 118.8 | 118.0 | 116.5 | 116.5 | 116.2 | 116.2 | 118.0 | 120.3 | 122.9 | 122.9 |
| 20°    | 135.3 | 134.5 | 133.4 | 131.4 | 131.4 | 131.1 | 131.4 | 133.0 | 136.3 | 139.3 | 139.3 |
| 22.5°  | 153.6 | 152.9 | 151.4 | 149.4 | 148.4 | 147.6 | 147.9 | 150.2 | 154.4 | 158.4 | 158.9 |
| 25°    | 174.2 | 173.0 | 171.5 | 169.4 | 166.3 | 164.9 | 165.5 | 169.4 | 174.6 | 179.8 | 178.6 |
| 27.5°  | 195.9 | 195.6 | 193.3 | 189.9 | 185.4 | 183.2 | 185.0 | 189.6 | 195.9 | 201.6 | 201.9 |
| 30°    | 221.4 | 220.2 | 217.3 | 212.1 | 207.1 | 202.6 | 204.6 | 210.6 | 219.2 | 226.6 | 227.0 |
| 32.5°  | 248.0 | 247.6 | 244.2 | 236.8 | 228.5 | 224.4 | 226.2 | 234.9 | 245.0 | 252.5 | 253.9 |
| 35°    | 278.7 | 277.9 | 274.2 | 264.4 | 253.9 | 248.3 | 250.2 | 260.7 | 273.0 | 282.4 | 283.2 |
| 37.5°  | 312.4 | 310.6 | 306.0 | 294.5 | 280.9 | 274.2 | 276.1 | 288.0 | 303.0 | 312.4 | 314.6 |
| 40°    | 347.2 | 346.9 | 341.7 | 328.1 | 311.6 | 302.3 | 305.3 | 318.8 | 336.0 | 346.5 | 348.0 |
| 42.5°  | 387.7 | 387.0 | 381.8 | 366.0 | 345.7 | 334.9 | 338.2 | 354.3 | 373.1 | 383.6 | 385.4 |
| 45°    | 430.4 | 431.1 | 424.0 | 408.6 | 385.0 | 372.7 | 375.0 | 393.4 | 413.9 | 426.9 | 428.6 |
| 47.5°  | 479.8 | 478.8 | 474.6 | 455.5 | 428.6 | 414.3 | 417.0 | 437.1 | 461.5 | 473.8 | 474.6 |
| 50°    | 531.9 | 530.8 | 529.3 | 509.4 | 478.3 | 463.7 | 465.2 | 487.3 | 512.1 | 524.8 | 528.2 |
| 52.5°  | 590.0 | 590.3 | 591.1 | 569.4 | 534.5 | 514.7 | 518.1 | 543.1 | 569.4 | 581.0 | 584.0 |
| 55°    | 654.5 | 654.8 | 656.3 | 634.1 | 594.8 | 572.7 | 576.9 | 604.6 | 632.7 | 644.3 | 645.4 |
| 57.5°  | 725.9 | 724.1 | 730.1 | 703.8 | 660.8 | 635.4 | 639.8 | 668.6 | 698.6 | 709.8 | 712.1 |
| 60°    | 797.5 | 794.9 | 803.2 | 777.0 | 727.4 | 699.7 | 702.0 | 735.7 | 767.9 | 774.9 | 779.9 |
| 62.5°  | 858.2 | 860.9 | 871.7 | 845.1 | 790.4 | 756.6 | 760.5 | 794.6 | 830.5 | 837.6 | 838.7 |
| 65°    | 905.8 | 909.5 | 925.7 | 897.9 | 843.6 | 803.2 | 808.4 | 843.6 | 880.6 | 884.0 | 883.3 |
| 67.5°  | 930.9 | 934.2 | 952.6 | 929.7 | 874.6 | 835.0 | 837.9 | 872.0 | 903.5 | 906.9 | 903.5 |
| 68°    | 931.7 | 935.4 | 954.8 | 933.1 | 878.8 | 839.4 | 841.3 | 874.6 | 905.0 | 908.1 | 904.6 |
| 70°    | 920.4 | 929.4 | 949.6 | 933.5 | 882.5 | 845.7 | 846.2 | 873.2 | 902.1 | 899.7 | 896.8 |
| 72.5°  | 877.0 | 884.8 | 913.3 | 906.6 | 863.8 | 832.3 | 827.8 | 846.5 | 863.4 | 857.0 | 855.2 |
| 75°    | 788.6 | 796.0 | 832.7 | 840.2 | 816.2 | 793.3 | 782.6 | 788.6 | 788.1 | 776.5 | 772.0 |
| 77.5°  | 660.4 | 670.9 | 711.4 | 739.0 | 731.2 | 721.8 | 703.5 | 694.5 | 677.6 | 654.0 | 646.6 |
| 80°    | 513.2 | 523.7 | 567.5 | 606.1 | 621.8 | 623.0 | 606.1 | 576.2 | 542.4 | 510.2 | 503.8 |
| 82.5°  | 380.6 | 391.4 | 428.2 | 476.2 | 496.7 | 508.7 | 489.9 | 451.4 | 413.5 | 377.9 | 371.6 |
| 85°    | 265.9 | 273.8 | 311.0 | 349.8 | 379.7 | 392.9 | 372.3 | 339.4 | 301.1 | 270.4 | 264.4 |
| 87.5°  | 181.3 | 185.8 | 215.0 | 253.9 | 282.1 | 294.8 | 277.2 | 245.0 | 209.8 | 181.7 | 175.4 |
| 90°    | 115.0 | 118.0 | 139.8 | 172.3 | 200.8 | 212.1 | 198.2 | 170.1 | 137.8 | 115.0 | 110.9 |
| 92.5°  | 70.5  | 71.9  | 88.1  | 114.2 | 138.2 | 151.0 | 138.6 | 113.5 | 87.3  | 70.8  | 68.5  |
| 95°    | 46.1  | 47.2  | 56.6  | 73.4  | 93.3  | 102.6 | 94.4  | 75.7  | 58.0  | 47.2  | 45.7  |
| 97.5°  | 34.1  | 34.9  | 40.4  | 49.5  | 61.4  | 68.5  | 63.0  | 51.7  | 41.6  | 34.9  | 33.8  |
| 100°   | 26.6  | 27.0  | 30.7  | 36.4  | 43.0  | 47.2  | 44.2  | 37.8  | 31.4  | 26.6  | 26.2  |
| 102.5° | 21.3  | 21.3  | 24.7  | 28.9  | 33.0  | 35.2  | 33.4  | 29.9  | 24.7  | 21.0  | 20.6  |
| 105°   | 16.8  | 17.3  | 19.8  | 23.6  | 26.6  | 28.1  | 27.0  | 24.4  | 19.8  | 16.5  | 16.1  |
| 107.5° | 13.4  | 13.4  | 16.1  | 19.4  | 22.5  | 23.6  | 22.5  | 20.2  | 15.8  | 13.1  | 12.8  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°   | 5°   | 15°  | 25°  | 35°  | 45°  | 55°  | 65°  | 75°  | 85°  | 90°  |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 110°   | 10.5 | 10.8 | 12.8 | 16.1 | 18.7 | 19.8 | 18.7 | 16.5 | 12.8 | 10.5 | 10.2 |
| 112.5° | 8.6  | 8.6  | 10.2 | 13.1 | 15.8 | 16.5 | 15.8 | 13.1 | 10.2 | 8.2  | 8.2  |
| 115°   | 7.1  | 7.1  | 8.2  | 10.8 | 13.1 | 13.8 | 13.1 | 10.8 | 8.2  | 6.8  | 6.8  |
| 117.5° | 6.0  | 6.3  | 7.1  | 9.0  | 10.8 | 11.3 | 10.8 | 9.0  | 6.8  | 6.0  | 5.6  |
| 120°   | 5.3  | 5.6  | 6.0  | 7.5  | 9.0  | 9.4  | 8.6  | 7.1  | 5.6  | 5.3  | 4.9  |
| 122.5° | 4.9  | 4.9  | 5.3  | 6.0  | 7.5  | 7.8  | 7.1  | 6.0  | 4.9  | 4.5  | 4.5  |
| 125°   | 4.5  | 4.5  | 4.5  | 5.3  | 6.0  | 6.3  | 6.0  | 4.9  | 4.2  | 4.2  | 4.2  |
| 127.5° | 4.2  | 4.2  | 4.2  | 4.5  | 5.3  | 5.3  | 4.9  | 4.2  | 3.8  | 3.8  | 3.8  |
| 130°   | 3.8  | 3.8  | 3.8  | 3.8  | 4.2  | 4.5  | 4.2  | 3.8  | 3.4  | 3.4  | 3.4  |
| 132.5° | 3.4  | 3.4  | 3.4  | 3.4  | 3.4  | 3.8  | 3.4  | 2.9  | 2.9  | 2.9  | 2.9  |
| 135°   | 2.9  | 2.9  | 2.9  | 2.9  | 2.9  | 2.9  | 2.9  | 2.6  | 2.6  | 2.6  | 2.6  |
| 137.5° | 2.6  | 2.6  | 2.6  | 2.6  | 2.6  | 2.6  | 2.3  | 2.3  | 2.3  | 2.6  | 2.6  |
| 140°   | 2.3  | 2.3  | 2.3  | 2.3  | 1.8  | 1.8  | 1.8  | 1.8  | 2.3  | 2.3  | 2.3  |
| 142.5° | 2.3  | 2.3  | 1.8  | 1.8  | 1.5  | 1.5  | 1.5  | 1.5  | 1.8  | 1.8  | 1.8  |
| 145°   | 1.8  | 1.8  | 1.5  | 1.5  | 1.5  | 1.1  | 1.1  | 1.5  | 1.5  | 1.5  | 1.5  |
| 147.5° | 1.5  | 1.5  | 1.5  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  |
| 150°   | 1.1  | 1.1  | 1.1  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 1.1  | 1.1  |
| 152.5° | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.3  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  |
| 155°   | 0.3  | 0.3  | 0.3  | 0.3  | 0.3  | 0.3  | 0.3  | 0.3  | 0.3  | 0.3  | 0.3  |
| 157.5° | 0.3  | 0.3  | 0.3  | 0.3  | 0.3  | 0.3  | 0.3  | 0.3  | 0.3  | 0.3  | 0.3  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.3  | 0.3  | 0.3  | 0.3  | 0.3  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.3  | 0.3  | 0.3  | 0.3  | 0.3  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |

(END OF REPORT)