

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: P415933

Luminaire Tested: **LXF.LXT-PA1-60-740-U-T2U-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415933  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-60-740-U-T2U-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5514 lumens  
Efficiency: N/A  
Efficacy: 86.2 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type II - Short - Full Cutoff  
BUG Rating: B1 - U0 - G1

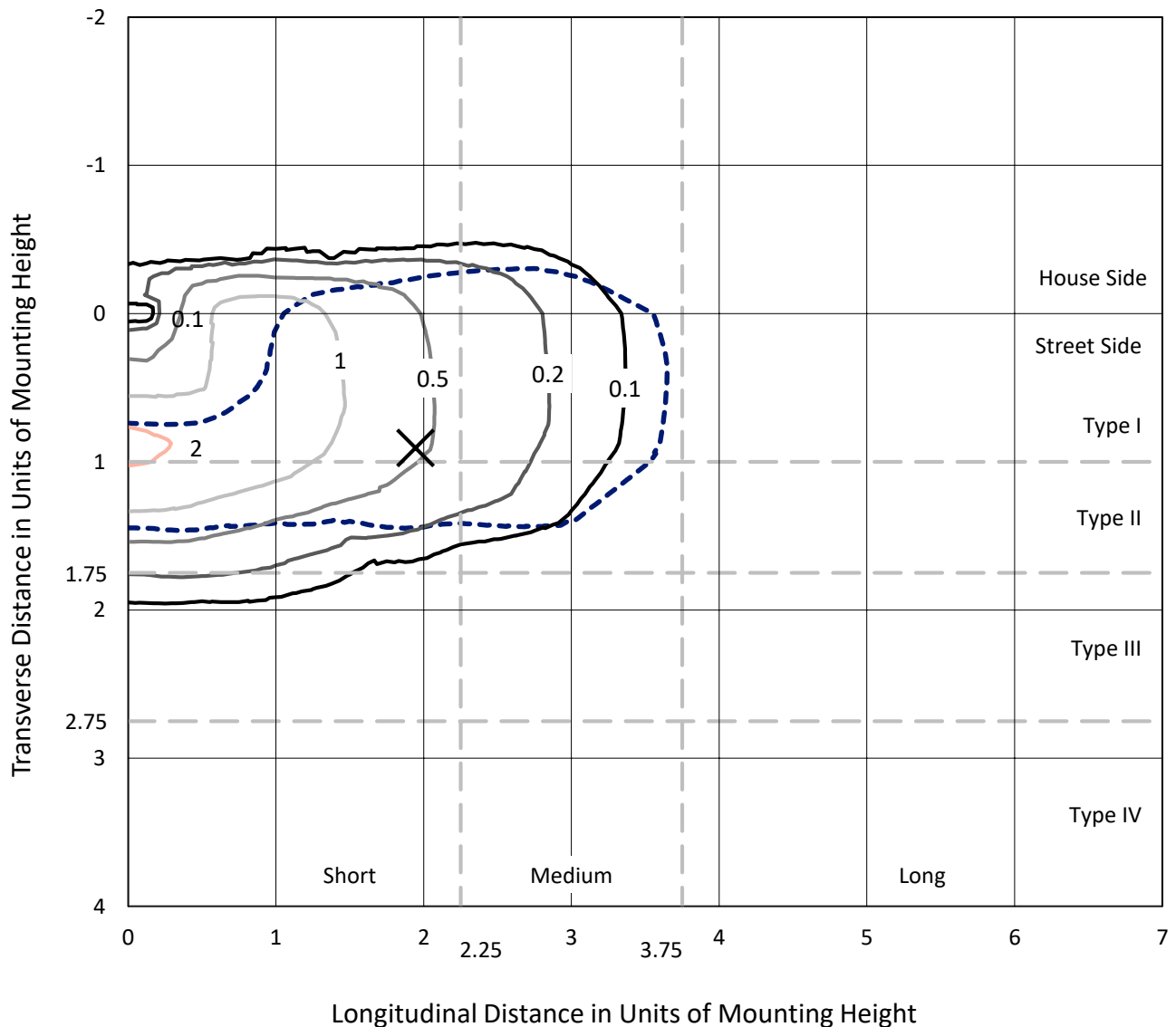
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

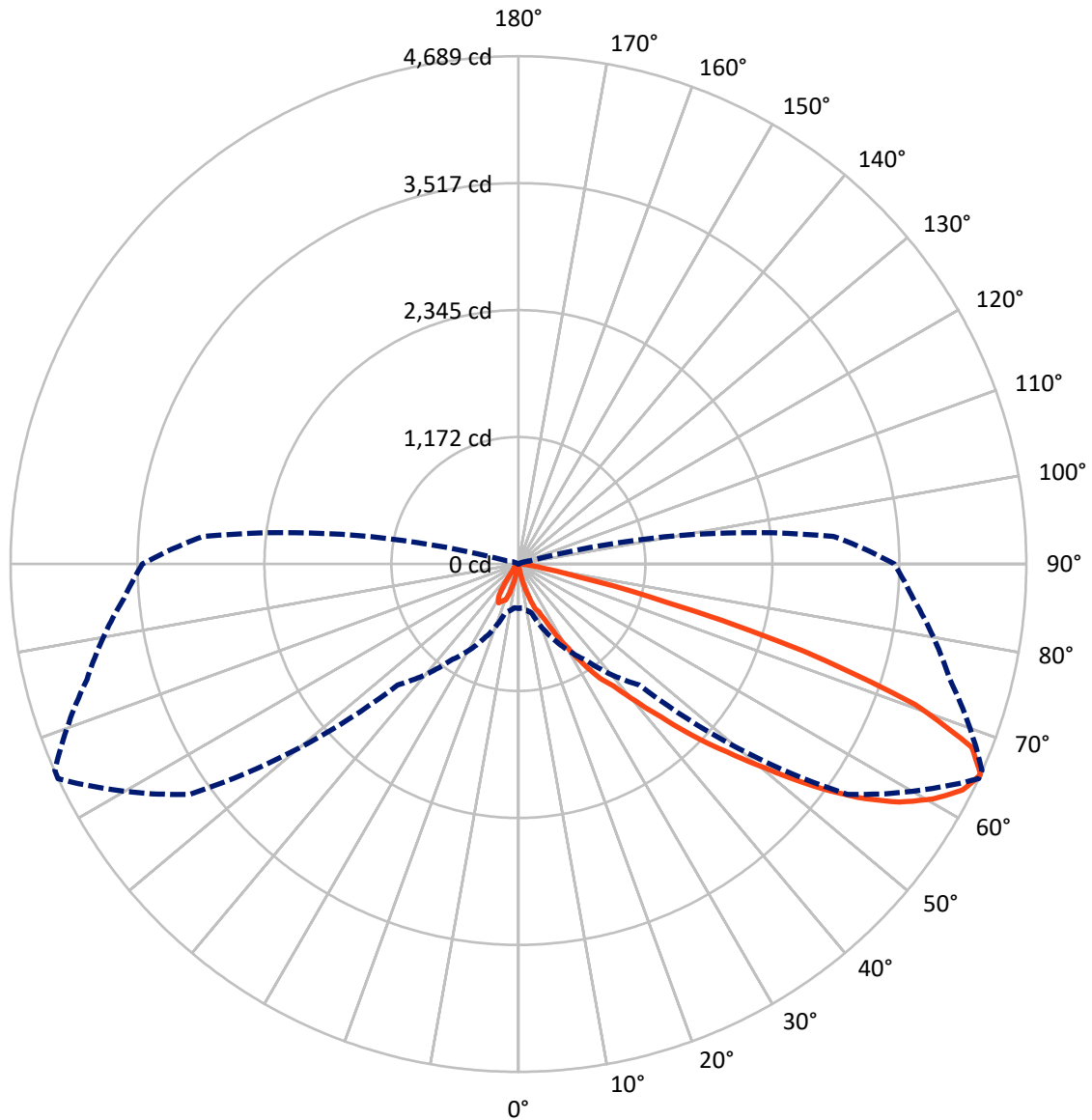
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc  
 Type II - Short - Full Cutoff

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### Luminous Intensity Polar Plot



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

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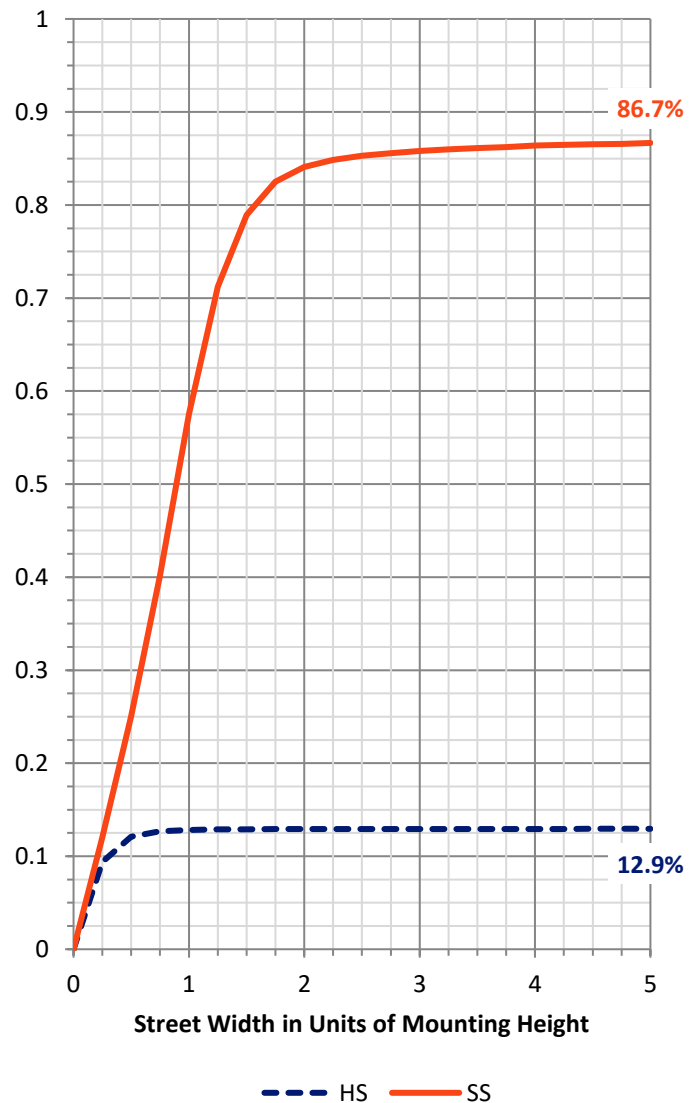
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 723.5    | 0.0    | 723.5  |
|                    | % Fixture | 13.1     | 0.0    | 13.1   |
| <b>Street Side</b> | Lumens    | 4790.5   | 0.0    | 4790.5 |
|                    | % Fixture | 86.9     | 0.0    | 86.9   |
| <b>Total</b>       | Lumens    | 5514.0   | 0.0    | 5514.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 4.3    | 0.1       |
| 10°-20°   | 57.3   | 1.0       |
| 20°-30°   | 194.5  | 3.5       |
| 30°-40°   | 547.1  | 9.9       |
| 40°-50°   | 1213.9 | 22.0      |
| 50°-60°   | 1627.7 | 29.5      |
| 60°-70°   | 1296.7 | 23.5      |
| 70°-80°   | 534.2  | 9.7       |
| 80°-90°   | 38.3   | 0.7       |
| 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°    | 5514.0 | 100.0     |
| 0°-180°   | 5514.0 | 100.0     |



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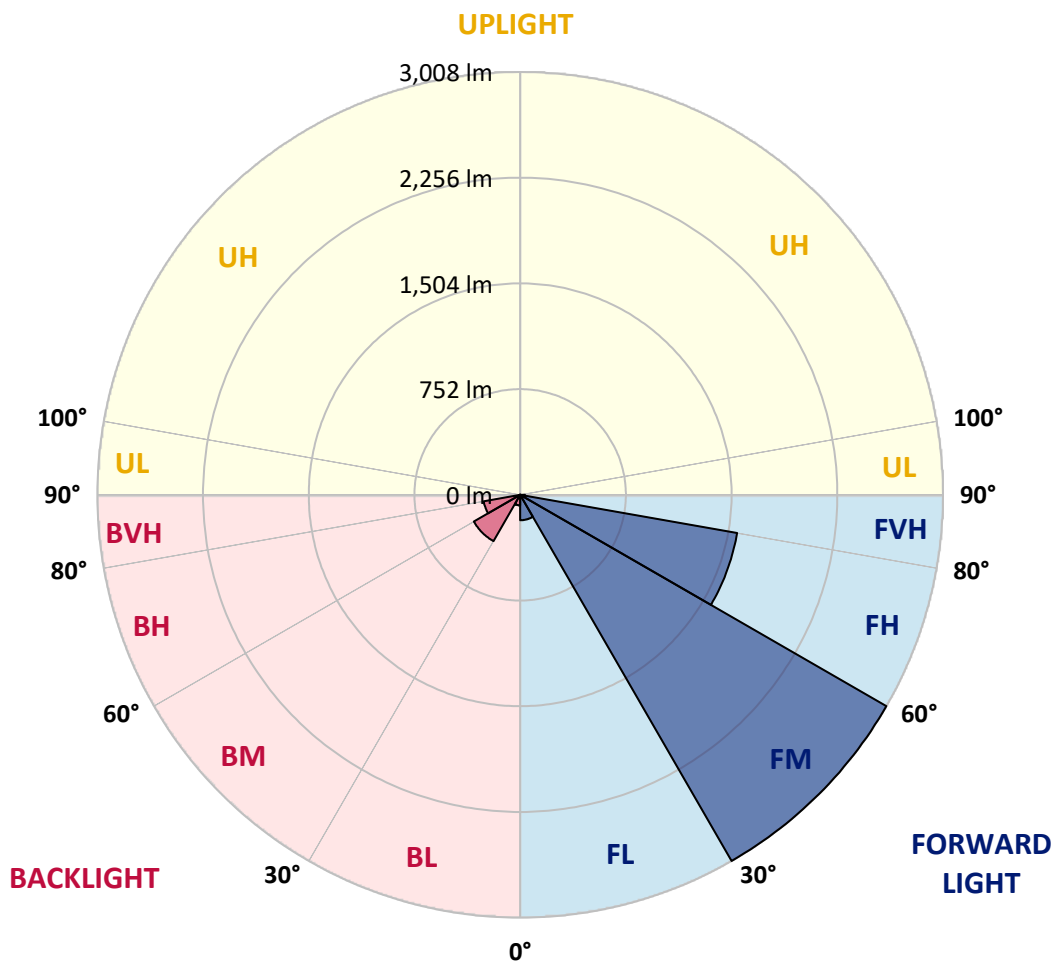
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 180.9  | 3.3       |                         |      |         |
| FM   | (30°-60°)   | 3008.2 | 54.6      |                         |      |         |
| FH   | (60°-80°)   | 1567.4 | 28.4      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 34.0   | 0.6       |                         |      | G1/100  |
| BL   | (0°-30°)    | 75.3   | 1.4       | B0/110                  |      |         |
| BM   | (30°-60°)   | 380.5  | 6.9       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 263.5  | 4.8       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 4.2    | 0.1       |                         |      | 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 II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 66°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    |
| 2.5°  | 0.8    | 0.8    | 0.8    | 2.4    | 2.4    | 2.4    | 2.4    | 1.6    | 1.6    | 1.6    | 1.6    |
| 5°    | 23.7   | 22.0   | 16.3   | 9.0    | 4.9    | 3.3    | 2.4    | 1.6    | 1.6    | 1.6    | 1.6    |
| 7.5°  | 164.8  | 163.9  | 163.9  | 165.6  | 166.4  | 59.5   | 5.7    | 2.4    | 2.4    | 1.6    | 1.6    |
| 10°   | 158.2  | 157.4  | 157.4  | 159.9  | 162.3  | 163.1  | 156.6  | 4.1    | 3.3    | 1.6    | 1.6    |
| 12.5° | 295.3  | 290.4  | 185.1  | 162.3  | 158.2  | 159.9  | 160.7  | 138.7  | 64.4   | 99.5   | 123.2  |
| 15°   | 296.1  | 293.6  | 296.1  | 300.2  | 239.8  | 167.2  | 243.9  | 238.2  | 238.2  | 175.4  | 240.6  |
| 17.5° | 299.3  | 296.1  | 297.7  | 303.4  | 294.4  | 345.8  | 326.3  | 337.7  | 337.7  | 249.6  | 265.9  |
| 20°   | 442.1  | 441.3  | 447.8  | 327.9  | 366.2  | 429.0  | 355.6  | 436.4  | 444.5  | 371.1  | 384.2  |
| 22.5° | 451.0  | 450.2  | 460.8  | 459.2  | 449.4  | 460.8  | 520.4  | 478.0  | 480.4  | 561.2  | 507.3  |
| 25°   | 628.0  | 613.4  | 497.5  | 488.6  | 590.5  | 547.3  | 624.0  | 575.8  | 570.9  | 678.6  | 643.5  |
| 27.5° | 718.6  | 712.0  | 719.4  | 697.4  | 625.6  | 671.3  | 675.3  | 741.4  | 708.0  | 777.3  | 792.8  |
| 30°   | 873.5  | 877.6  | 840.9  | 804.2  | 819.7  | 778.9  | 812.4  | 901.3  | 897.2  | 880.9  | 1000.0 |
| 32.5° | 1394.7 | 1352.3 | 1280.5 | 996.7  | 933.9  | 904.5  | 997.5  | 1097.8 | 1057.1 | 1117.4 | 1236.5 |
| 35°   | 1845.8 | 1751.2 | 1632.1 | 1429.8 | 1159.8 | 1081.5 | 1194.9 | 1293.6 | 1268.3 | 1389.8 | 1382.5 |
| 37.5° | 2597.8 | 2553.8 | 2347.4 | 1831.1 | 1561.9 | 1349.1 | 1403.7 | 1427.4 | 1456.7 | 1595.4 | 1592.1 |
| 40°   | 3042.3 | 2991.7 | 2845.8 | 2437.1 | 1971.4 | 1673.7 | 1650.0 | 1662.3 | 1672.1 | 1811.5 | 1821.3 |
| 42.5° | 3415.9 | 3393.0 | 3251.1 | 2859.6 | 2478.7 | 2199.8 | 1978.7 | 1930.6 | 1948.6 | 2089.7 | 2070.9 |
| 45°   | 3669.5 | 3642.6 | 3514.6 | 3241.3 | 2925.7 | 2782.1 | 2360.4 | 2266.7 | 2271.5 | 2349.8 | 2335.2 |
| 47.5° | 3725.0 | 3693.2 | 3636.1 | 3484.4 | 3377.5 | 3260.9 | 2838.4 | 2591.3 | 2646.7 | 2650.8 | 2601.1 |
| 50°   | 3527.6 | 3488.5 | 3536.6 | 3500.7 | 3663.8 | 3722.6 | 3322.1 | 2969.7 | 3065.2 | 2977.9 | 2840.0 |
| 52.5° | 3039.1 | 3051.3 | 3199.7 | 3308.2 | 3674.4 | 4045.6 | 3841.6 | 3403.6 | 3468.1 | 3247.9 | 3066.0 |
| 55°   | 2413.5 | 2443.6 | 2689.1 | 2888.2 | 3424.9 | 4136.1 | 4217.6 | 3805.8 | 3831.0 | 3535.0 | 3248.7 |
| 57.5° | 1777.3 | 1818.1 | 2119.8 | 2341.7 | 2941.2 | 3941.1 | 4402.0 | 4147.5 | 4197.3 | 3742.1 | 3375.9 |
| 60°   | 1093.8 | 1131.3 | 1473.0 | 1810.7 | 2257.7 | 3380.8 | 4426.5 | 4403.6 | 4460.7 | 3888.1 | 3504.0 |
| 62.5° | 666.4  | 698.2  | 847.4  | 1257.7 | 1622.3 | 2555.4 | 4222.5 | 4600.2 | 4628.7 | 4035.8 | 3596.1 |
| 65°   | 410.3  | 404.6  | 464.9  | 764.3  | 1082.3 | 1579.9 | 3707.1 | 4689.1 | 4685.8 | 4124.7 | 3658.1 |
| 67.5° | 271.6  | 276.5  | 299.3  | 420.1  | 737.3  | 854.0  | 2658.2 | 4514.5 | 4498.2 | 4167.9 | 3633.7 |
| 70°   | 240.6  | 242.2  | 265.1  | 297.7  | 531.0  | 497.5  | 1341.7 | 3886.5 | 3863.7 | 4051.3 | 3481.1 |
| 72.5° | 188.4  | 194.1  | 231.6  | 270.0  | 383.3  | 364.6  | 505.7  | 2752.8 | 2782.1 | 3443.6 | 3063.5 |
| 75°   | 133.8  | 137.8  | 175.4  | 235.7  | 286.3  | 278.9  | 285.5  | 1419.2 | 1505.7 | 2286.2 | 2244.6 |
| 77.5° | 84.0   | 87.3   | 113.4  | 174.5  | 243.1  | 205.5  | 199.8  | 557.1  | 624.0  | 1118.2 | 1123.1 |
| 80°   | 57.9   | 58.7   | 70.1   | 117.5  | 174.5  | 168.8  | 135.4  | 222.7  | 225.1  | 405.4  | 389.1  |
| 82.5° | 34.3   | 34.3   | 46.5   | 72.6   | 106.8  | 137.8  | 87.3   | 111.7  | 115.8  | 150.1  | 85.6   |
| 85°   | 12.2   | 13.1   | 25.3   | 41.6   | 59.5   | 72.6   | 52.2   | 61.2   | 63.6   | 77.5   | 40.8   |
| 87.5° | 0.8    | 1.6    | 8.2    | 13.1   | 16.3   | 14.7   | 17.1   | 18.8   | 21.2   | 25.3   | 14.7   |
| 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):**

|       | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 1.6    | 1.6    | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   |
| 2.5°  | 1.6    | 1.6    | 2.4   | 2.4   | 2.4   | 1.6   | 0.8   | 0.8   | 0.8   | 0.8   | 0.8   |
| 5°    | 1.6    | 1.6    | 2.4   | 2.4   | 2.4   | 1.6   | 0.8   | 0.8   | 0.8   | 0.8   | 0.8   |
| 7.5°  | 1.6    | 1.6    | 2.4   | 2.4   | 2.4   | 1.6   | 22.8  | 127.2 | 132.9 | 137.0 | 137.8 |
| 10°   | 4.9    | 3.3    | 2.4   | 2.4   | 2.4   | 132.1 | 137.0 | 133.8 | 131.3 | 128.9 | 129.7 |
| 12.5° | 124.8  | 124.8  | 113.4 | 73.4  | 123.2 | 135.4 | 128.1 | 119.9 | 113.4 | 106.0 | 106.8 |
| 15°   | 239.8  | 238.2  | 210.4 | 181.1 | 207.2 | 132.9 | 110.1 | 146.0 | 124.8 | 110.1 | 107.7 |
| 17.5° | 266.7  | 258.6  | 225.9 | 288.7 | 256.9 | 151.7 | 127.2 | 86.5  | 62.0  | 56.3  | 55.5  |
| 20°   | 384.2  | 373.6  | 329.5 | 349.9 | 234.9 | 175.4 | 76.7  | 48.9  | 44.0  | 53.0  | 54.6  |
| 22.5° | 494.3  | 479.6  | 411.9 | 362.1 | 264.3 | 107.7 | 53.8  | 53.8  | 53.0  | 51.4  | 50.6  |
| 25°   | 635.4  | 609.3  | 552.2 | 379.3 | 209.6 | 71.0  | 58.7  | 48.1  | 43.2  | 40.0  | 40.0  |
| 27.5° | 780.6  | 745.5  | 632.9 | 403.7 | 137.8 | 66.1  | 52.2  | 40.8  | 43.2  | 41.6  | 41.6  |
| 30°   | 992.6  | 944.5  | 737.3 | 377.6 | 89.7  | 61.2  | 44.0  | 40.0  | 35.1  | 33.4  | 32.6  |
| 32.5° | 1212.0 | 1123.9 | 840.1 | 328.7 | 71.0  | 52.2  | 40.8  | 32.6  | 31.8  | 32.6  | 32.6  |
| 35°   | 1352.3 | 1269.9 | 951.0 | 239.0 | 62.0  | 45.7  | 33.4  | 30.2  | 27.7  | 26.9  | 26.9  |
| 37.5° | 1520.3 | 1418.4 | 960.8 | 155.0 | 53.8  | 37.5  | 28.5  | 25.3  | 25.3  | 26.1  | 26.1  |
| 40°   | 1721.8 | 1610.1 | 921.7 | 95.4  | 46.5  | 31.0  | 24.5  | 22.8  | 22.0  | 22.0  | 22.0  |
| 42.5° | 1947.7 | 1806.6 | 867.0 | 71.8  | 39.2  | 26.1  | 20.4  | 19.6  | 18.8  | 18.8  | 18.8  |
| 45°   | 2189.2 | 2004.8 | 792.0 | 59.5  | 32.6  | 22.0  | 17.1  | 16.3  | 16.3  | 15.5  | 15.5  |
| 47.5° | 2439.6 | 2216.9 | 678.6 | 52.2  | 26.9  | 17.9  | 14.7  | 13.9  | 13.1  | 13.1  | 13.1  |
| 50°   | 2654.1 | 2411.0 | 540.0 | 44.9  | 22.8  | 15.5  | 11.4  | 10.6  | 10.6  | 9.8   | 9.8   |
| 52.5° | 2849.0 | 2575.8 | 428.2 | 38.3  | 18.8  | 12.2  | 9.0   | 8.2   | 8.2   | 7.3   | 7.3   |
| 55°   | 2999.1 | 2698.1 | 319.7 | 31.8  | 15.5  | 9.8   | 6.5   | 5.7   | 5.7   | 4.9   | 5.7   |
| 57.5° | 3125.5 | 2773.2 | 242.2 | 26.1  | 13.1  | 7.3   | 4.9   | 4.1   | 3.3   | 3.3   | 3.3   |
| 60°   | 3245.4 | 2833.5 | 178.6 | 20.4  | 10.6  | 5.7   | 3.3   | 2.4   | 1.6   | 1.6   | 1.6   |
| 62.5° | 3374.3 | 2887.3 | 141.1 | 16.3  | 9.0   | 4.1   | 1.6   | 1.6   | 0.0   | 0.0   | 0.0   |
| 65°   | 3471.3 | 2920.8 | 109.3 | 13.1  | 7.3   | 2.4   | 1.6   | 0.8   | 0.0   | 0.0   | 0.0   |
| 67.5° | 3474.6 | 2878.4 | 85.6  | 10.6  | 6.5   | 2.4   | 0.8   | 0.0   | 0.0   | 0.0   | 0.0   |
| 70°   | 3349.8 | 2698.1 | 63.6  | 9.8   | 5.7   | 2.4   | 1.6   | 0.8   | 0.0   | 0.0   | 0.0   |
| 72.5° | 2902.8 | 2118.2 | 45.7  | 8.2   | 4.9   | 2.4   | 1.6   | 0.8   | 0.8   | 0.0   | 0.0   |
| 75°   | 2099.4 | 1252.0 | 31.8  | 7.3   | 4.9   | 2.4   | 2.4   | 1.6   | 1.6   | 1.6   | 0.0   |
| 77.5° | 1076.6 | 520.4  | 21.2  | 6.5   | 4.1   | 1.6   | 3.3   | 2.4   | 2.4   | 2.4   | 0.8   |
| 80°   | 315.7  | 179.4  | 13.1  | 5.7   | 4.1   | 1.6   | 3.3   | 3.3   | 3.3   | 3.3   | 0.8   |
| 82.5° | 60.4   | 35.1   | 8.2   | 5.7   | 4.1   | 1.6   | 3.3   | 3.3   | 3.3   | 4.1   | 0.0   |
| 85°   | 23.7   | 13.9   | 5.7   | 4.9   | 4.1   | 1.6   | 3.3   | 3.3   | 4.1   | 4.1   | 0.0   |
| 87.5° | 8.2    | 6.5    | 4.9   | 4.1   | 4.1   | 1.6   | 3.3   | 3.3   | 3.3   | 4.1   | 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   |

(END OF REPORT)