

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: P692020

Luminaire Tested: **CRTK2-C01HO-D-U-T5R-8027-SR-CARETAKER**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P692020  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C01HO-D-U-T5R-8027-SR-CARETAKER  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 2700K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10395 lumens  
Efficiency: N/A  
Efficacy: 131.6 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')  
IES Classification: Type V - Short  
BUG Rating: B4 - U3 - G3

Input Watts (W): 79  
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: 24 FT

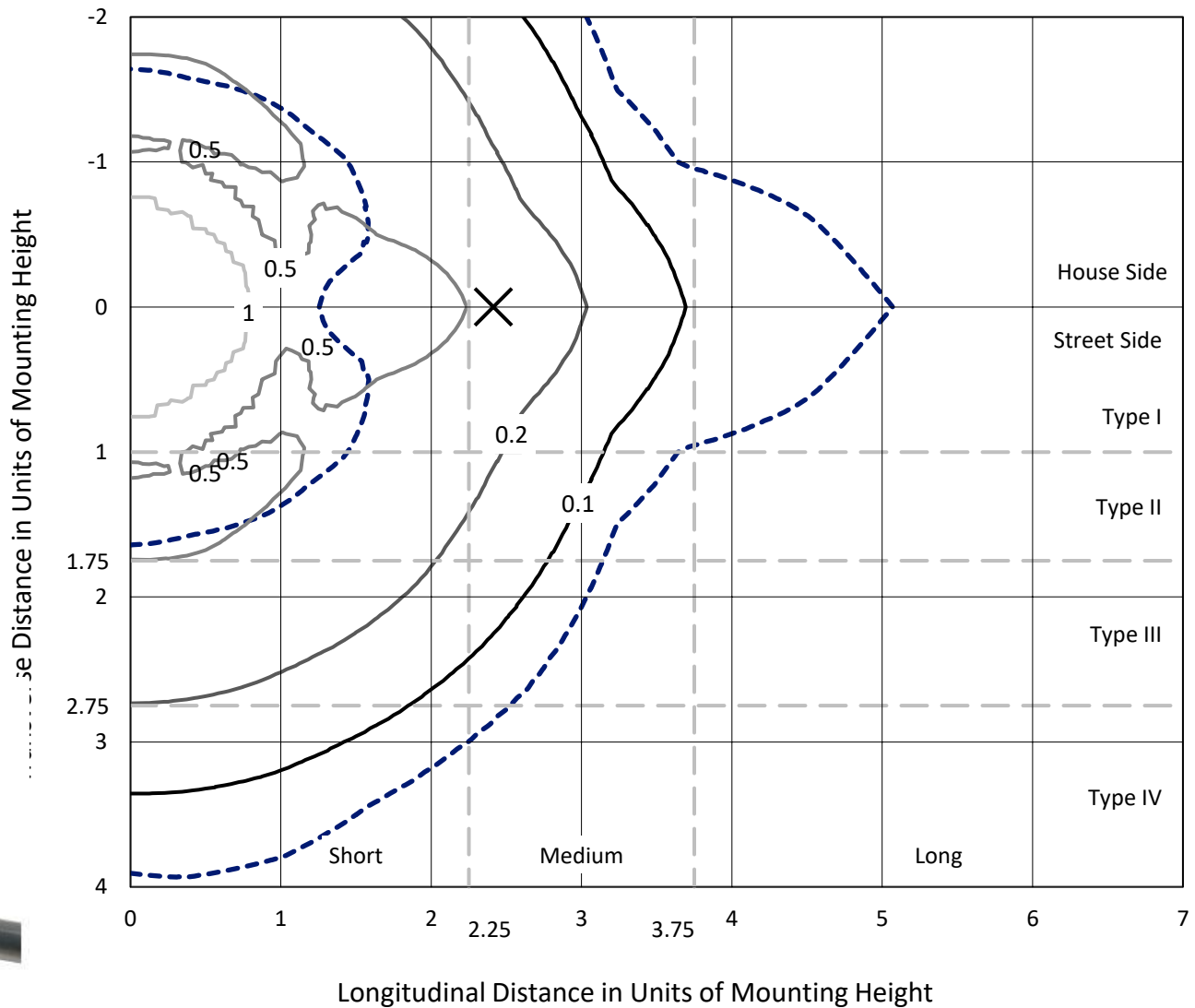


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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 --- 1/2 Max cd

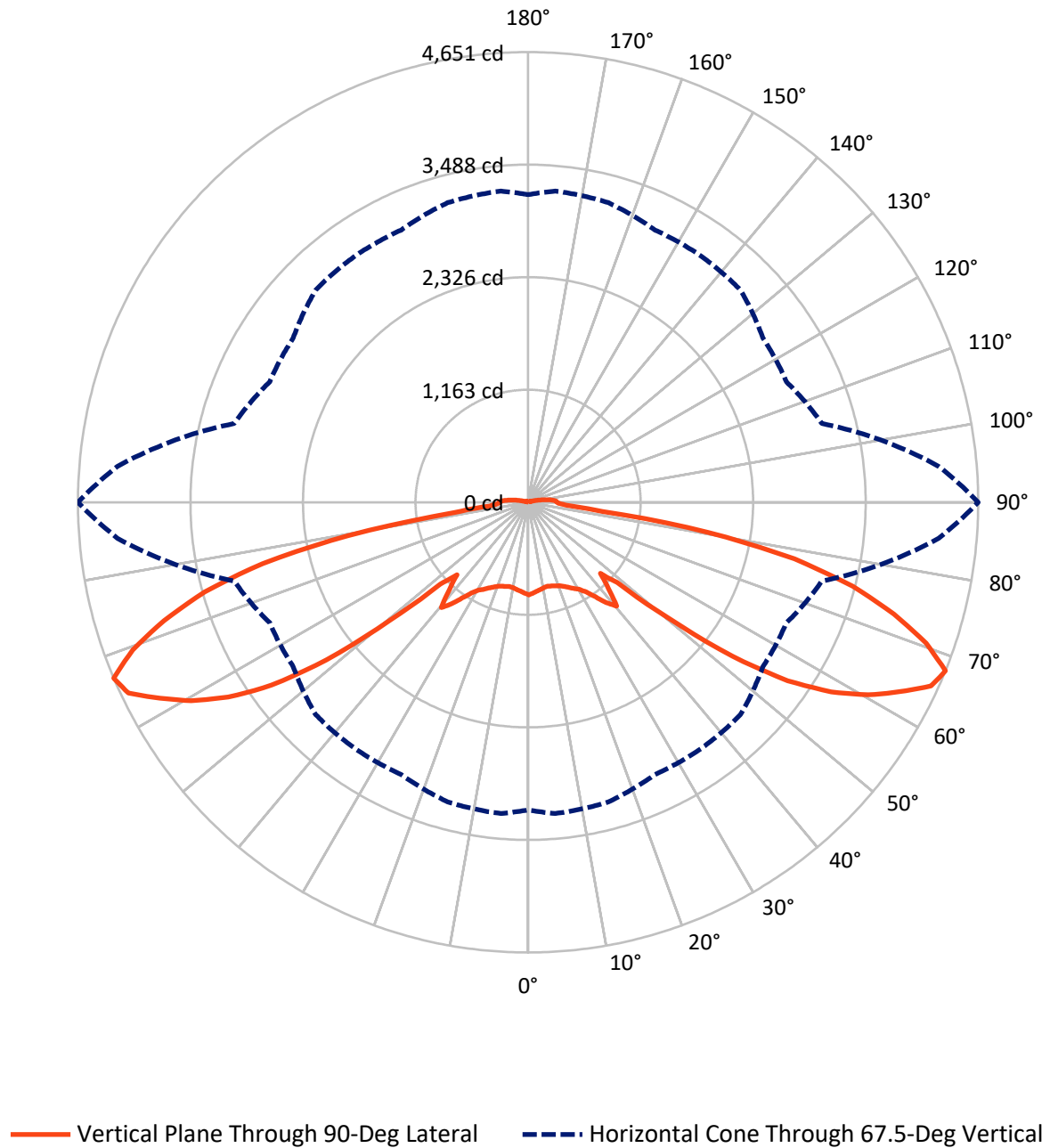


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc  
 Type V - Short - N/A

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## Luminous Intensity Polar Plot



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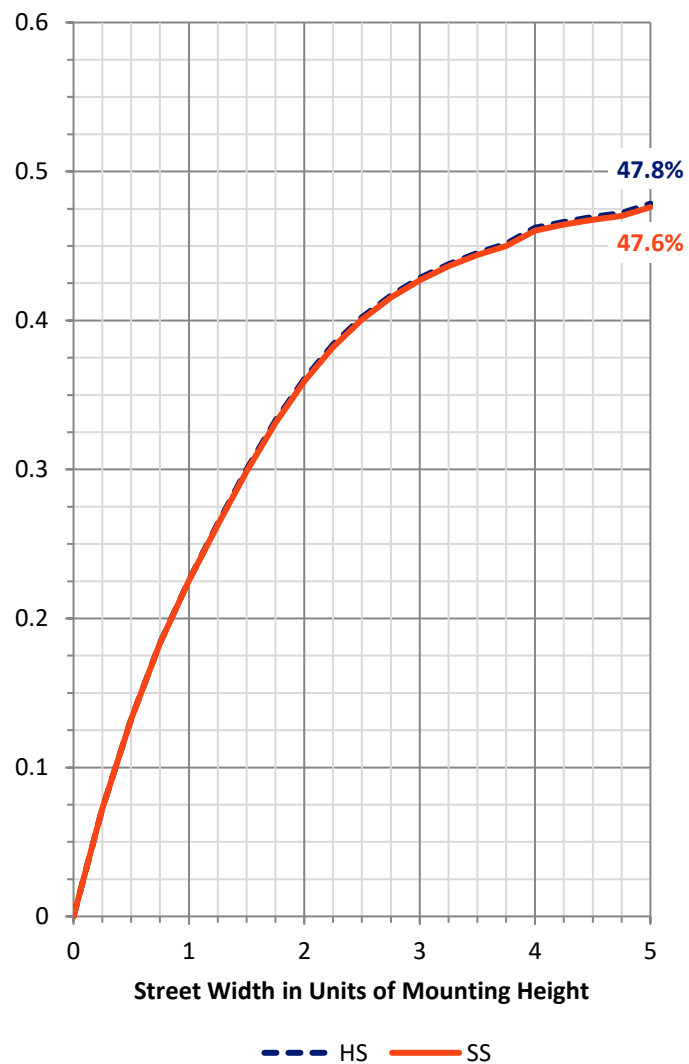
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5047.0   | 150.6  | 5197.5  |
|                    | % Fixture | 48.6     | 1.4    | 50.0    |
| <b>Street Side</b> | Lumens    | 5047.0   | 150.6  | 5197.5  |
|                    | % Fixture | 48.6     | 1.4    | 50.0    |
| <b>Total</b>       | Lumens    | 10093.9  | 301.1  | 10395.0 |
|                    | % Fixture | 97.1     | 2.9    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 86.5    | 0.8       |
| 10°-20°   | 246.7   | 2.4       |
| 20°-30°   | 436.7   | 4.2       |
| 30°-40°   | 736.6   | 7.1       |
| 40°-50°   | 825.6   | 7.9       |
| 50°-60°   | 1709.3  | 16.4      |
| 60°-70°   | 3008.5  | 28.9      |
| 70°-80°   | 2486.2  | 23.9      |
| 80°-90°   | 557.8   | 5.4       |
| 90°-100°  | 213.2   | 2.1       |
| 100°-110° | 60.3    | 0.6       |
| 110°-120° | 18.4    | 0.2       |
| 120°-130° | 8.5     | 0.1       |
| 130°-140° | 0.7     | 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°    | 10093.9 | 97.1      |
| 0°-180°   | 10395.0 | 100.0     |

**Coefficient of Utilization**



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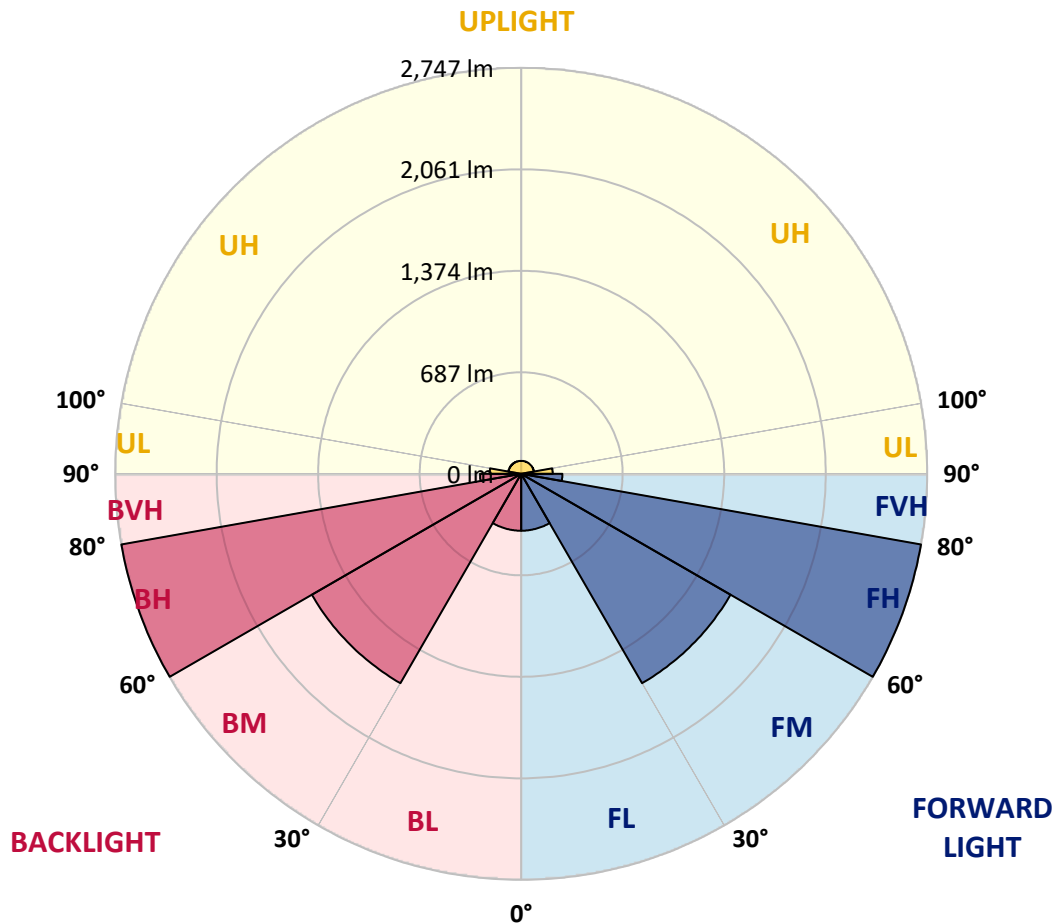
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |        |         |
|------|-------------|--------|-----------|-------------------------|--------|---------|
|      |             |        |           | B                       | U      | G       |
| FL   | (0°-30°)    | 384.9  | 3.7       |                         |        |         |
| FM   | (30°-60°)   | 1635.8 | 15.7      |                         |        |         |
| FH   | (60°-80°)   | 2747.4 | 26.4      |                         |        | G2/5000 |
| FVH  | (80°-90°)   | 278.9  | 2.7       |                         |        | G3/500  |
| BL   | (0°-30°)    | 384.9  | 3.7       | B1/500                  |        |         |
| BM   | (30°-60°)   | 1635.8 | 15.7      | B2/2500                 |        |         |
| BH   | (60°-80°)   | 2747.4 | 26.4      | B4/5000                 |        | G2/5000 |
| BVH  | (80°-90°)   | 278.9  | 2.7       |                         |        | G3/500  |
| UL   | (90°-100°)  | 213.2  | 2.1       |                         | U3/500 |         |
| UH   | (100°-180°) | 87.9   | 0.8       |                         | U3/500 |         |

**BUG Rating: B4-U3-G3**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 956.5  | 956.5  | 956.5  | 956.5  | 956.5  | 956.5  | 956.5  | 956.5  | 956.5  | 956.5  | 956.5  |
| 2.5°   | 946.7  | 946.7  | 940.1  | 936.8  | 940.1  | 943.4  | 946.7  | 946.7  | 943.4  | 940.1  | 940.1  |
| 5°     | 930.2  | 927.0  | 923.7  | 920.4  | 920.4  | 927.0  | 927.0  | 930.2  | 927.0  | 923.7  | 923.7  |
| 7.5°   | 887.5  | 887.5  | 884.2  | 880.9  | 887.5  | 894.1  | 903.9  | 907.2  | 910.5  | 910.5  | 910.5  |
| 10°    | 857.9  | 857.9  | 854.6  | 854.6  | 861.2  | 871.1  | 880.9  | 890.8  | 894.1  | 897.4  | 897.4  |
| 12.5°  | 841.5  | 841.5  | 841.5  | 838.2  | 848.1  | 857.9  | 874.4  | 880.9  | 887.5  | 890.8  | 890.8  |
| 15°    | 841.5  | 838.2  | 838.2  | 841.5  | 848.1  | 861.2  | 874.4  | 887.5  | 894.1  | 897.4  | 897.4  |
| 17.5°  | 848.1  | 844.8  | 844.8  | 844.8  | 854.6  | 867.8  | 884.2  | 894.1  | 903.9  | 907.2  | 907.2  |
| 20°    | 857.9  | 857.9  | 857.9  | 857.9  | 864.5  | 880.9  | 897.4  | 907.2  | 917.1  | 920.4  | 920.4  |
| 22.5°  | 884.2  | 884.2  | 880.9  | 877.7  | 884.2  | 897.4  | 917.1  | 927.0  | 936.8  | 943.4  | 943.4  |
| 25°    | 917.1  | 913.8  | 913.8  | 910.5  | 910.5  | 923.7  | 940.1  | 953.3  | 966.4  | 973.0  | 973.0  |
| 27.5°  | 956.5  | 953.3  | 953.3  | 946.7  | 946.7  | 963.1  | 976.3  | 989.4  | 1002.6 | 1009.1 | 1009.1 |
| 30°    | 999.3  | 1002.6 | 996.0  | 992.7  | 989.4  | 1002.6 | 1015.7 | 1025.6 | 1035.4 | 1042.0 | 1042.0 |
| 32.5°  | 1068.3 | 1068.3 | 1061.7 | 1058.4 | 1055.2 | 1065.0 | 1071.6 | 1078.2 | 1088.0 | 1101.2 | 1104.5 |
| 35°    | 1153.8 | 1150.5 | 1150.5 | 1150.5 | 1150.5 | 1157.1 | 1163.6 | 1160.3 | 1180.1 | 1193.2 | 1199.8 |
| 37.5°  | 1265.5 | 1268.8 | 1262.2 | 1255.7 | 1252.4 | 1259.0 | 1265.5 | 1275.4 | 1295.1 | 1311.5 | 1314.8 |
| 40°    | 1245.8 | 1239.2 | 1245.8 | 1259.0 | 1262.2 | 1291.8 | 1321.4 | 1344.4 | 1377.3 | 1406.9 | 1410.2 |
| 42.5°  | 1117.6 | 1127.5 | 1137.3 | 1137.3 | 1134.0 | 1134.0 | 1137.3 | 1140.6 | 1173.5 | 1216.2 | 1216.2 |
| 45°    | 917.1  | 923.7  | 936.8  | 930.2  | 900.7  | 887.5  | 894.1  | 903.9  | 940.1  | 1045.3 | 1048.6 |
| 47.5°  | 973.0  | 986.1  | 999.3  | 959.8  | 923.7  | 867.8  | 861.2  | 854.6  | 897.4  | 1189.9 | 1239.2 |
| 50°    | 1147.2 | 1147.2 | 1163.6 | 1130.8 | 1117.6 | 1084.7 | 1065.0 | 1071.6 | 1163.6 | 1771.7 | 1880.2 |
| 52.5°  | 1492.3 | 1485.8 | 1525.2 | 1485.8 | 1472.6 | 1403.6 | 1328.0 | 1367.4 | 1462.8 | 2422.6 | 2646.1 |
| 55°    | 1811.2 | 1817.8 | 1857.2 | 1817.8 | 1781.6 | 1719.1 | 1617.2 | 1686.3 | 1814.5 | 2935.4 | 3254.2 |
| 57.5°  | 2156.3 | 2166.2 | 2212.2 | 2136.6 | 2064.3 | 2031.4 | 1936.1 | 2008.4 | 2149.8 | 3267.4 | 3694.7 |
| 60°    | 2514.6 | 2524.5 | 2547.5 | 2452.2 | 2386.4 | 2370.0 | 2261.5 | 2340.4 | 2511.3 | 3559.9 | 4039.8 |
| 62.5°  | 2856.5 | 2866.3 | 2853.2 | 2761.2 | 2721.7 | 2725.0 | 2619.8 | 2675.7 | 2859.8 | 3901.8 | 4309.4 |
| 65°    | 3073.4 | 3116.2 | 3106.3 | 3004.4 | 2991.2 | 3004.4 | 2892.6 | 2899.2 | 3089.9 | 4168.0 | 4575.6 |
| 67.5°  | 3178.6 | 3227.9 | 3204.9 | 3103.0 | 3109.6 | 3103.0 | 2961.7 | 2945.2 | 3142.5 | 4260.1 | 4651.2 |
| 70°    | 3073.4 | 3073.4 | 3057.0 | 2968.2 | 2964.9 | 2938.7 | 2833.5 | 2807.2 | 2961.7 | 4007.0 | 4362.0 |
| 72.5°  | 2817.0 | 2817.0 | 2803.9 | 2702.0 | 2682.3 | 2662.5 | 2600.1 | 2554.1 | 2688.8 | 3599.4 | 3954.4 |
| 75°    | 2445.6 | 2475.2 | 2458.7 | 2356.8 | 2333.8 | 2320.7 | 2277.9 | 2231.9 | 2353.6 | 3165.5 | 3464.6 |
| 77.5°  | 1955.8 | 1988.7 | 1969.0 | 1893.4 | 1873.6 | 1880.2 | 1850.6 | 1824.3 | 1913.1 | 2537.6 | 2813.7 |
| 80°    | 1311.5 | 1341.1 | 1305.0 | 1268.8 | 1239.2 | 1268.8 | 1255.7 | 1242.5 | 1291.8 | 1617.2 | 1893.4 |
| 82.5°  | 591.7  | 598.2  | 598.2  | 562.1  | 539.1  | 585.1  | 591.7  | 601.5  | 631.1  | 703.4  | 772.5  |
| 85°    | 361.6  | 364.9  | 358.3  | 348.4  | 335.3  | 345.1  | 341.9  | 348.4  | 361.6  | 384.6  | 397.7  |
| 87.5°  | 309.0  | 309.0  | 309.0  | 299.1  | 289.3  | 289.3  | 286.0  | 289.3  | 292.6  | 312.3  | 318.8  |
| 90°    | 272.8  | 272.8  | 272.8  | 266.3  | 259.7  | 259.7  | 263.0  | 259.7  | 266.3  | 286.0  | 295.8  |
| 92.5°  | 230.1  | 233.4  | 240.0  | 240.0  | 240.0  | 243.2  | 243.2  | 243.2  | 246.5  | 276.1  | 286.0  |
| 95°    | 170.9  | 167.6  | 180.8  | 190.7  | 193.9  | 200.5  | 200.5  | 200.5  | 207.1  | 233.4  | 243.2  |
| 97.5°  | 124.9  | 124.9  | 131.5  | 138.1  | 144.6  | 151.2  | 154.5  | 154.5  | 161.1  | 180.8  | 184.1  |
| 100°   | 88.8   | 88.8   | 95.3   | 101.9  | 105.2  | 115.0  | 118.3  | 118.3  | 118.3  | 131.5  | 131.5  |
| 102.5° | 65.7   | 62.5   | 69.0   | 72.3   | 75.6   | 78.9   | 82.2   | 82.2   | 82.2   | 85.5   | 85.5   |
| 105°   | 39.4   | 39.4   | 42.7   | 46.0   | 49.3   | 49.3   | 52.6   | 52.6   | 49.3   | 49.3   | 49.3   |
| 107.5° | 26.3   | 26.3   | 29.6   | 32.9   | 32.9   | 36.2   | 36.2   | 36.2   | 36.2   | 36.2   | 36.2   |
| 110°   | 19.7   | 19.7   | 23.0   | 26.3   | 26.3   | 29.6   | 29.6   | 29.6   | 29.6   | 26.3   | 26.3   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°   | 5°   | 15°  | 25°  | 35°  | 45°  | 55°  | 65°  | 75°  | 85°  | 90°  |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 16.4 | 16.4 | 19.7 | 19.7 | 23.0 | 23.0 | 23.0 | 23.0 | 23.0 | 23.0 | 23.0 |
| 115°   | 13.1 | 13.1 | 16.4 | 16.4 | 16.4 | 19.7 | 19.7 | 19.7 | 19.7 | 19.7 | 19.7 |
| 117.5° | 9.9  | 9.9  | 13.1 | 13.1 | 16.4 | 16.4 | 16.4 | 16.4 | 16.4 | 16.4 | 16.4 |
| 120°   | 9.9  | 9.9  | 9.9  | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 |
| 122.5° | 6.6  | 6.6  | 9.9  | 9.9  | 9.9  | 9.9  | 9.9  | 9.9  | 9.9  | 13.1 | 13.1 |
| 125°   | 6.6  | 6.6  | 6.6  | 9.9  | 9.9  | 9.9  | 9.9  | 9.9  | 9.9  | 9.9  | 9.9  |
| 127.5° | 6.6  | 6.6  | 6.6  | 6.6  | 9.9  | 9.9  | 9.9  | 9.9  | 9.9  | 9.9  | 9.9  |
| 130°   | 6.6  | 6.6  | 6.6  | 6.6  | 6.6  | 6.6  | 6.6  | 6.6  | 6.6  | 9.9  | 9.9  |
| 132.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 135°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 137.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 140°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 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)