

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: P692006

Luminaire Tested: **CRTK2-C01HO-D-U-T5R-7040-SR-CARETAKER**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P692006  
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-7040-SR-CARETAKER  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12016.1 lumens  
Efficiency: N/A  
Efficacy: 152.1 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

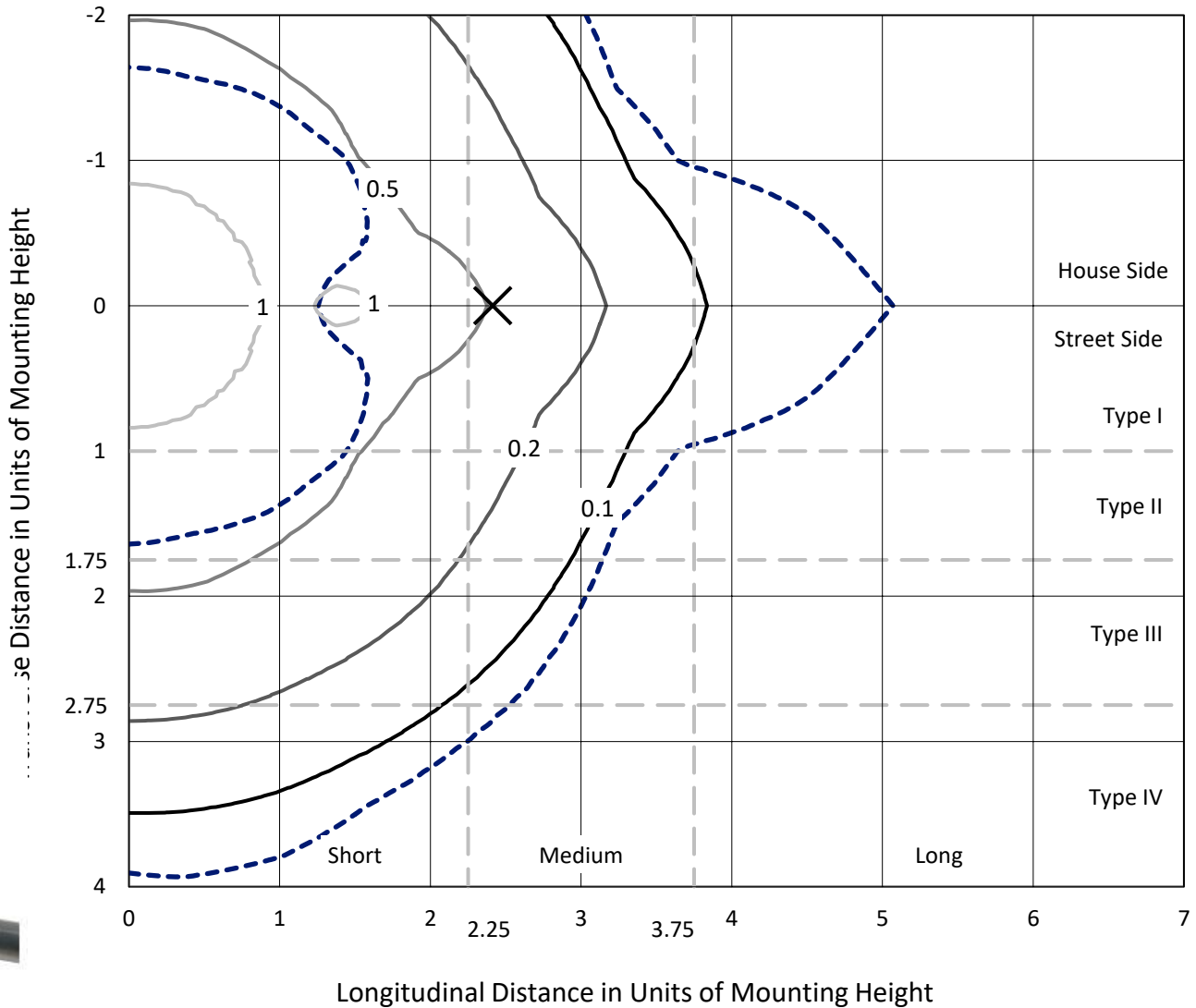


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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

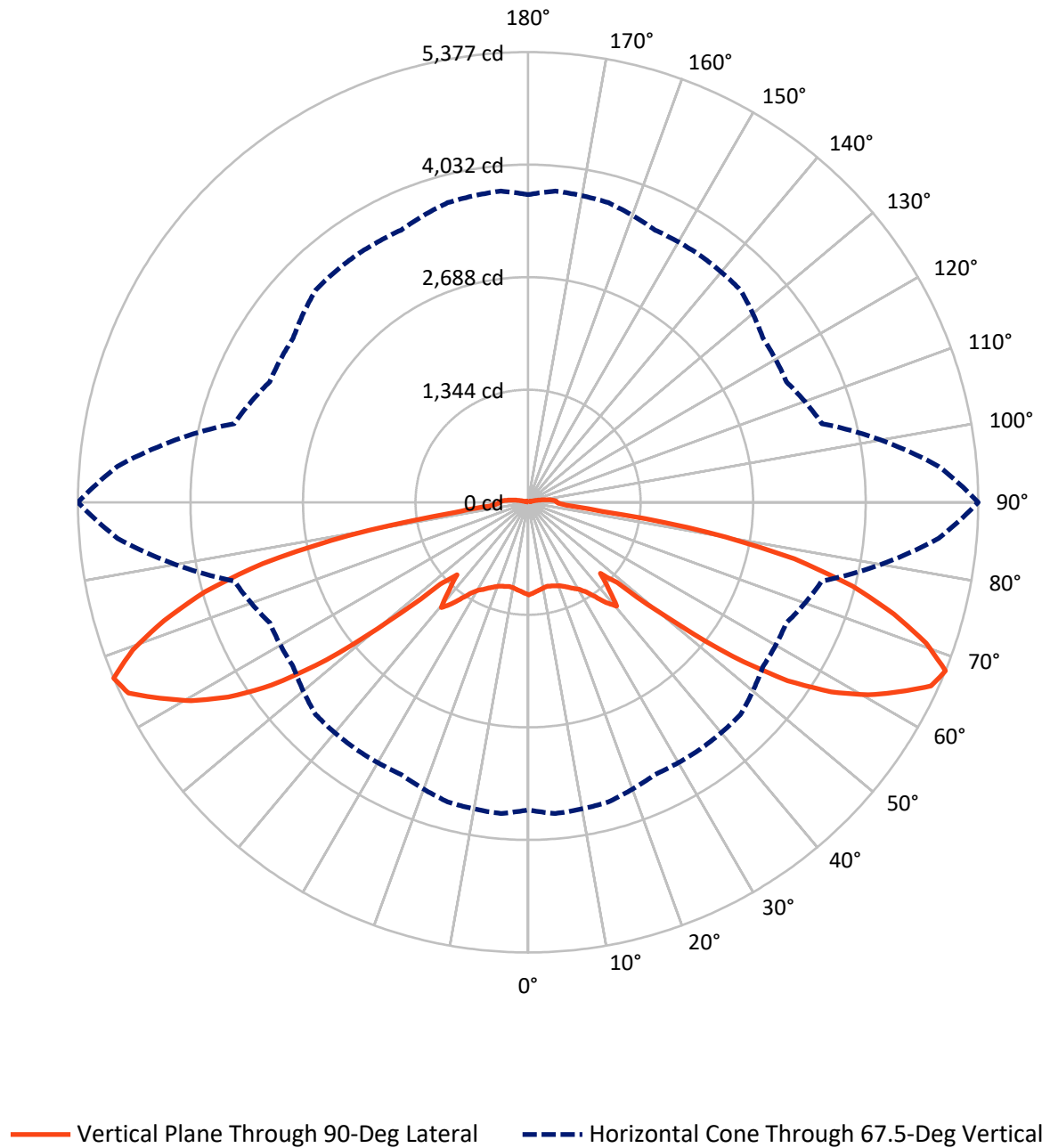


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc  
 Type V - Short - N/A

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## Luminous Intensity Polar Plot



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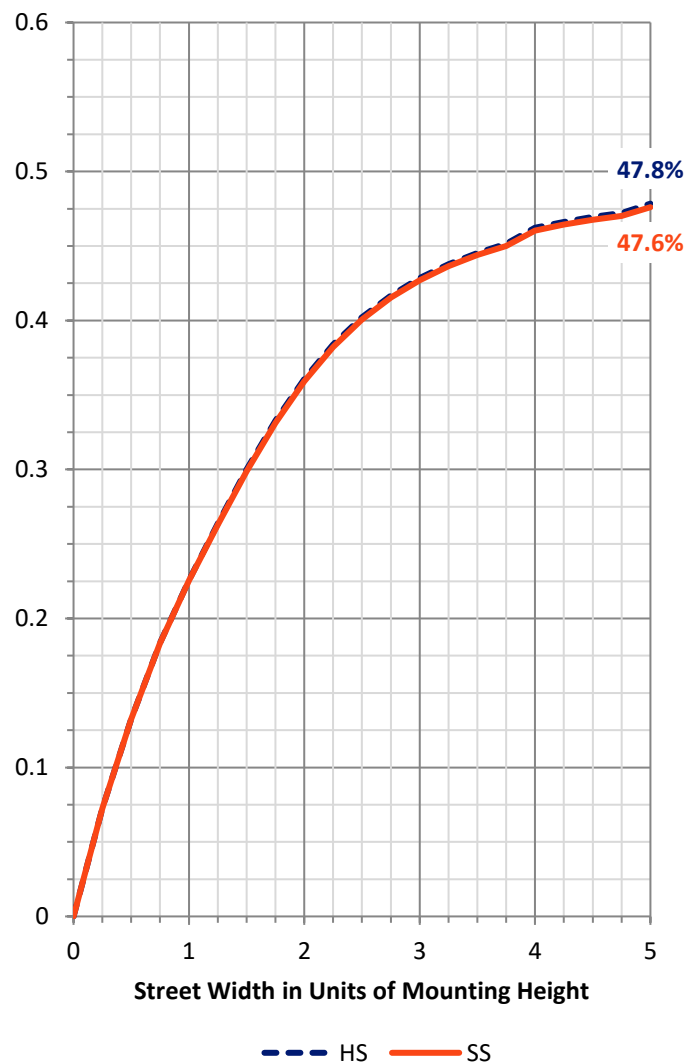
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5834.0   | 174.0  | 6008.0  |
|                    | % Fixture | 48.6     | 1.4    | 50.0    |
| <b>Street Side</b> | Lumens    | 5834.0   | 174.0  | 6008.0  |
|                    | % Fixture | 48.6     | 1.4    | 50.0    |
| <b>Total</b>       | Lumens    | 11668.0  | 348.1  | 12016.1 |
|                    | % Fixture | 97.1     | 2.9    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 100.0   | 0.8       |
| 10°-20°   | 285.1   | 2.4       |
| 20°-30°   | 504.8   | 4.2       |
| 30°-40°   | 851.5   | 7.1       |
| 40°-50°   | 954.4   | 7.9       |
| 50°-60°   | 1975.8  | 16.4      |
| 60°-70°   | 3477.7  | 28.9      |
| 70°-80°   | 2873.9  | 23.9      |
| 80°-90°   | 644.7   | 5.4       |
| 90°-100°  | 246.5   | 2.1       |
| 100°-110° | 69.7    | 0.6       |
| 110°-120° | 21.3    | 0.2       |
| 120°-130° | 9.7     | 0.1       |
| 130°-140° | 0.8     | 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°    | 11668.0 | 97.1      |
| 0°-180°   | 12016.1 | 100.0     |

**Coefficient of Utilization**



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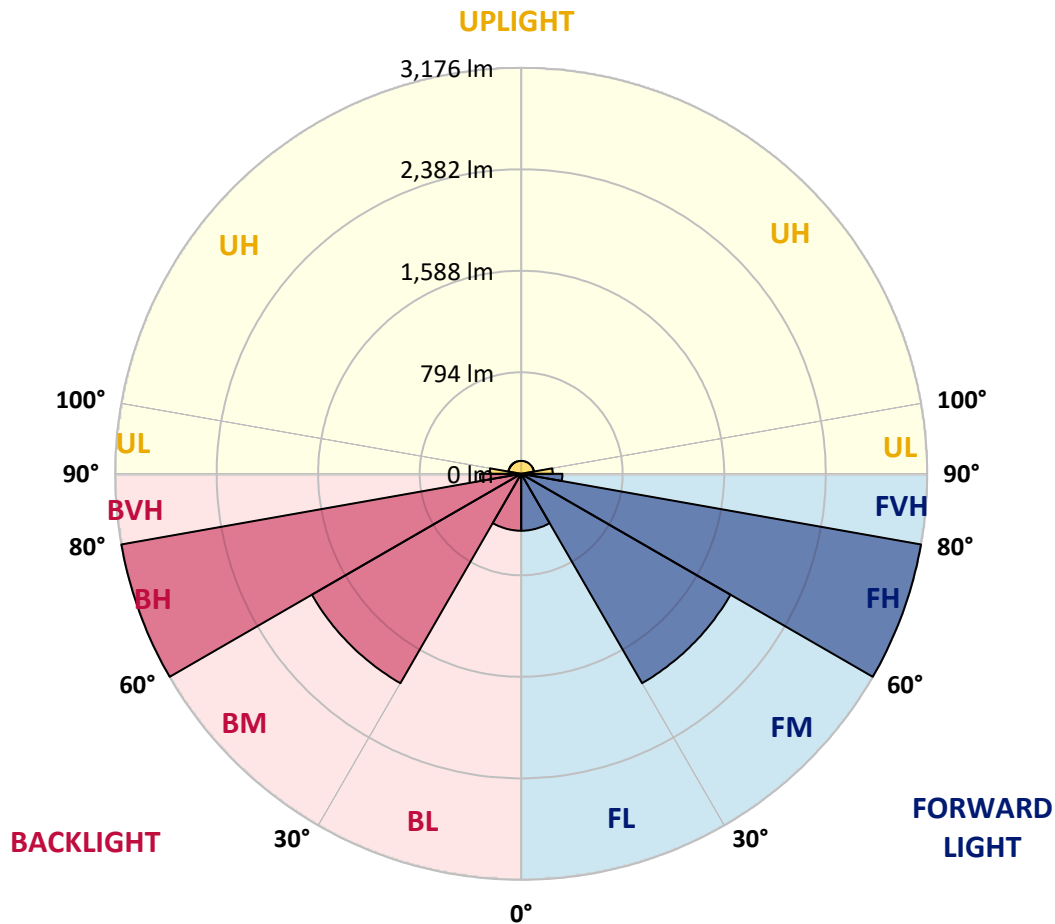
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |        |         |
|------|-------------|--------|-----------|-------------------------|--------|---------|
|      |             |        |           | B                       | U      | G       |
| FL   | (0°-30°)    | 444.9  | 3.7       |                         |        |         |
| FM   | (30°-60°)   | 1890.9 | 15.7      |                         |        |         |
| FH   | (60°-80°)   | 3175.8 | 26.4      |                         |        | G2/5000 |
| FVH  | (80°-90°)   | 322.4  | 2.7       |                         |        | G3/500  |
| BL   | (0°-30°)    | 444.9  | 3.7       | B1/500                  |        |         |
| BM   | (30°-60°)   | 1890.9 | 15.7      | B2/2500                 |        |         |
| BH   | (60°-80°)   | 3175.8 | 26.4      | B4/5000                 |        | G2/5000 |
| BVH  | (80°-90°)   | 322.4  | 2.7       |                         |        | G3/500  |
| UL   | (90°-100°)  | 246.5  | 2.1       |                         | U3/500 |         |
| UH   | (100°-180°) | 101.6  | 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°     | 1105.7 | 1105.7 | 1105.7 | 1105.7 | 1105.7 | 1105.7 | 1105.7 | 1105.7 | 1105.7 | 1105.7 | 1105.7 |
| 2.5°   | 1094.3 | 1094.3 | 1086.7 | 1082.9 | 1086.7 | 1090.5 | 1094.3 | 1094.3 | 1090.5 | 1086.7 | 1086.7 |
| 5°     | 1075.3 | 1071.5 | 1067.7 | 1063.9 | 1063.9 | 1071.5 | 1071.5 | 1075.3 | 1071.5 | 1067.7 | 1067.7 |
| 7.5°   | 1025.9 | 1025.9 | 1022.1 | 1018.3 | 1025.9 | 1033.5 | 1044.9 | 1048.7 | 1052.5 | 1052.5 | 1052.5 |
| 10°    | 991.7  | 991.7  | 987.9  | 987.9  | 995.5  | 1006.9 | 1018.3 | 1029.7 | 1033.5 | 1037.3 | 1037.3 |
| 12.5°  | 972.7  | 972.7  | 972.7  | 968.9  | 980.3  | 991.7  | 1010.7 | 1018.3 | 1025.9 | 1029.7 | 1029.7 |
| 15°    | 972.7  | 968.9  | 968.9  | 972.7  | 980.3  | 995.5  | 1010.7 | 1025.9 | 1033.5 | 1037.3 | 1037.3 |
| 17.5°  | 980.3  | 976.5  | 976.5  | 976.5  | 987.9  | 1003.1 | 1022.1 | 1033.5 | 1044.9 | 1048.7 | 1048.7 |
| 20°    | 991.7  | 991.7  | 991.7  | 991.7  | 999.3  | 1018.3 | 1037.3 | 1048.7 | 1060.1 | 1063.9 | 1063.9 |
| 22.5°  | 1022.1 | 1022.1 | 1018.3 | 1014.5 | 1022.1 | 1037.3 | 1060.1 | 1071.5 | 1082.9 | 1090.5 | 1090.5 |
| 25°    | 1060.1 | 1056.3 | 1056.3 | 1052.5 | 1052.5 | 1067.7 | 1086.7 | 1101.9 | 1117.1 | 1124.7 | 1124.7 |
| 27.5°  | 1105.7 | 1101.9 | 1101.9 | 1094.3 | 1094.3 | 1113.3 | 1128.5 | 1143.7 | 1158.9 | 1166.5 | 1166.5 |
| 30°    | 1155.1 | 1158.9 | 1151.3 | 1147.5 | 1143.7 | 1158.9 | 1174.1 | 1185.5 | 1196.9 | 1204.5 | 1204.5 |
| 32.5°  | 1234.9 | 1234.9 | 1227.3 | 1223.5 | 1219.7 | 1231.1 | 1238.7 | 1246.3 | 1257.7 | 1272.9 | 1276.7 |
| 35°    | 1333.7 | 1329.9 | 1329.9 | 1329.9 | 1329.9 | 1337.5 | 1345.1 | 1341.3 | 1364.1 | 1379.3 | 1386.9 |
| 37.5°  | 1462.9 | 1466.7 | 1459.1 | 1451.5 | 1447.7 | 1455.3 | 1462.9 | 1474.3 | 1497.1 | 1516.1 | 1519.9 |
| 40°    | 1440.1 | 1432.5 | 1440.1 | 1455.3 | 1459.1 | 1493.3 | 1527.5 | 1554.1 | 1592.1 | 1626.3 | 1630.1 |
| 42.5°  | 1291.9 | 1303.3 | 1314.7 | 1314.7 | 1310.9 | 1310.9 | 1314.7 | 1318.5 | 1356.5 | 1405.9 | 1405.9 |
| 45°    | 1060.1 | 1067.7 | 1082.9 | 1075.3 | 1041.1 | 1025.9 | 1033.5 | 1044.9 | 1086.7 | 1208.3 | 1212.1 |
| 47.5°  | 1124.7 | 1139.9 | 1155.1 | 1109.5 | 1067.7 | 1003.1 | 995.5  | 987.9  | 1037.3 | 1375.5 | 1432.5 |
| 50°    | 1326.1 | 1326.1 | 1345.1 | 1307.1 | 1291.9 | 1253.9 | 1231.1 | 1238.7 | 1345.1 | 2048.0 | 2173.4 |
| 52.5°  | 1725.1 | 1717.5 | 1763.0 | 1717.5 | 1702.3 | 1622.5 | 1535.1 | 1580.7 | 1690.9 | 2800.4 | 3058.7 |
| 55°    | 2093.6 | 2101.2 | 2146.8 | 2101.2 | 2059.4 | 1987.2 | 1869.4 | 1949.2 | 2097.4 | 3393.1 | 3761.7 |
| 57.5°  | 2492.6 | 2504.0 | 2557.2 | 2469.8 | 2386.2 | 2348.2 | 2238.0 | 2321.6 | 2485.0 | 3776.9 | 4270.8 |
| 60°    | 2906.8 | 2918.1 | 2944.7 | 2834.6 | 2758.6 | 2739.6 | 2614.2 | 2705.4 | 2903.0 | 4115.0 | 4669.8 |
| 62.5°  | 3301.9 | 3313.3 | 3298.1 | 3191.7 | 3146.1 | 3149.9 | 3028.3 | 3092.9 | 3305.7 | 4510.2 | 4981.4 |
| 65°    | 3552.7 | 3602.1 | 3590.7 | 3472.9 | 3457.7 | 3472.9 | 3343.7 | 3351.3 | 3571.7 | 4818.0 | 5289.1 |
| 67.5°  | 3674.3 | 3731.3 | 3704.7 | 3586.9 | 3594.5 | 3586.9 | 3423.5 | 3404.5 | 3632.5 | 4924.4 | 5376.5 |
| 70°    | 3552.7 | 3552.7 | 3533.7 | 3431.1 | 3427.3 | 3396.9 | 3275.3 | 3244.9 | 3423.5 | 4631.8 | 5042.2 |
| 72.5°  | 3256.3 | 3256.3 | 3241.1 | 3123.3 | 3100.5 | 3077.7 | 3005.5 | 2952.3 | 3108.1 | 4160.6 | 4571.0 |
| 75°    | 2827.0 | 2861.2 | 2842.2 | 2724.4 | 2697.8 | 2682.6 | 2633.2 | 2580.0 | 2720.6 | 3659.1 | 4004.9 |
| 77.5°  | 2260.8 | 2298.8 | 2276.0 | 2188.6 | 2165.8 | 2173.4 | 2139.2 | 2108.8 | 2211.4 | 2933.3 | 3252.5 |
| 80°    | 1516.1 | 1550.3 | 1508.5 | 1466.7 | 1432.5 | 1466.7 | 1451.5 | 1436.3 | 1493.3 | 1869.4 | 2188.6 |
| 82.5°  | 683.9  | 691.5  | 691.5  | 649.7  | 623.1  | 676.3  | 683.9  | 695.3  | 729.5  | 813.1  | 892.9  |
| 85°    | 418.0  | 421.8  | 414.2  | 402.8  | 387.6  | 399.0  | 395.2  | 402.8  | 418.0  | 444.6  | 459.8  |
| 87.5°  | 357.2  | 357.2  | 357.2  | 345.8  | 334.4  | 334.4  | 330.6  | 334.4  | 338.2  | 361.0  | 368.6  |
| 90°    | 315.4  | 315.4  | 315.4  | 307.8  | 300.2  | 300.2  | 304.0  | 300.2  | 307.8  | 330.6  | 342.0  |
| 92.5°  | 266.0  | 269.8  | 277.4  | 277.4  | 277.4  | 281.2  | 281.2  | 281.2  | 285.0  | 319.2  | 330.6  |
| 95°    | 197.6  | 193.8  | 209.0  | 220.4  | 224.2  | 231.8  | 231.8  | 231.8  | 239.4  | 269.8  | 281.2  |
| 97.5°  | 144.4  | 144.4  | 152.0  | 159.6  | 167.2  | 174.8  | 178.6  | 178.6  | 186.2  | 209.0  | 212.8  |
| 100°   | 102.6  | 102.6  | 110.2  | 117.8  | 121.6  | 133.0  | 136.8  | 136.8  | 136.8  | 152.0  | 152.0  |
| 102.5° | 76.0   | 72.2   | 79.8   | 83.6   | 87.4   | 91.2   | 95.0   | 95.0   | 95.0   | 98.8   | 98.8   |
| 105°   | 45.6   | 45.6   | 49.4   | 53.2   | 57.0   | 57.0   | 60.8   | 60.8   | 57.0   | 57.0   | 57.0   |
| 107.5° | 30.4   | 30.4   | 34.2   | 38.0   | 38.0   | 41.8   | 41.8   | 41.8   | 41.8   | 41.8   | 41.8   |
| 110°   | 22.8   | 22.8   | 26.6   | 30.4   | 30.4   | 34.2   | 34.2   | 34.2   | 34.2   | 30.4   | 30.4   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°   | 5°   | 15°  | 25°  | 35°  | 45°  | 55°  | 65°  | 75°  | 85°  | 90°  |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 19.0 | 19.0 | 22.8 | 22.8 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 |
| 115°   | 15.2 | 15.2 | 19.0 | 19.0 | 19.0 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 |
| 117.5° | 11.4 | 11.4 | 15.2 | 15.2 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 |
| 120°   | 11.4 | 11.4 | 11.4 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 |
| 122.5° | 7.6  | 7.6  | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 15.2 | 15.2 |
| 125°   | 7.6  | 7.6  | 7.6  | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 |
| 127.5° | 7.6  | 7.6  | 7.6  | 7.6  | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 |
| 130°   | 7.6  | 7.6  | 7.6  | 7.6  | 7.6  | 7.6  | 7.6  | 7.6  | 7.6  | 11.4 | 11.4 |
| 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)