

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: P690965

Luminaire Tested: **CRTK2-C01-D-U-T3-7040-U0-HSS-CRTK2**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P690965  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C01-D-U-T3-7040-U0-HSS-CRTK2  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND U0 SHIELD WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7867 lumens  
Efficiency: N/A  
Efficacy: 129.0 lumens/watt  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 61  
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

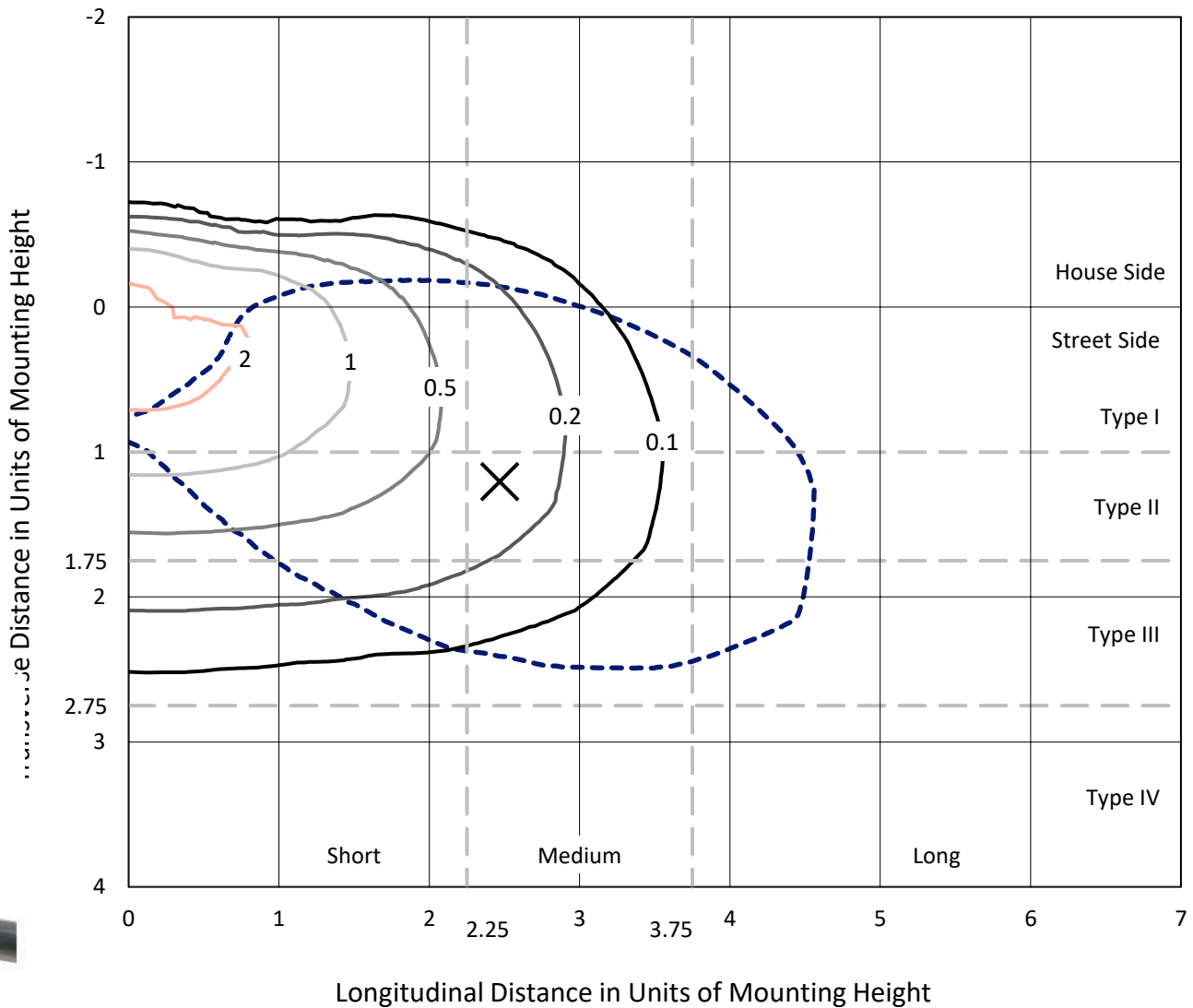


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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

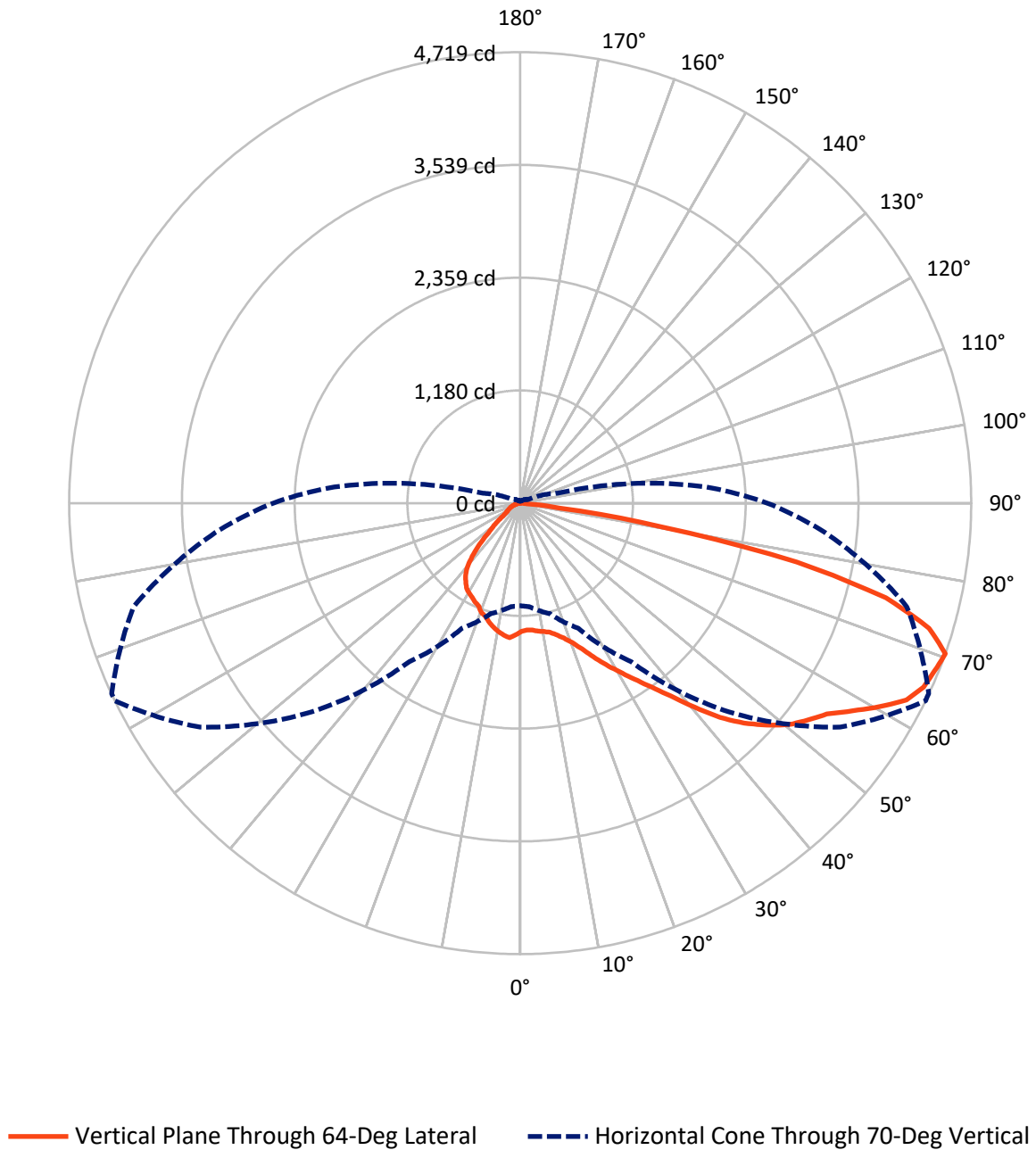


Based on 25 foot mounting height. Maximum calculated value = 2.3 fc  
 Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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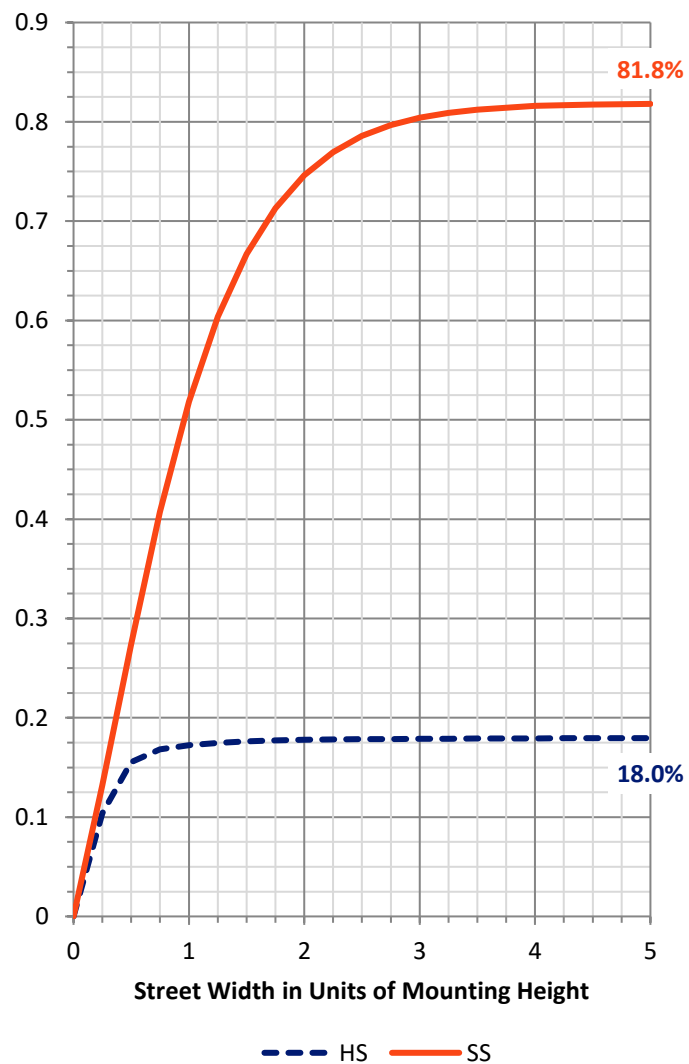
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1429.8   | 0.0    | 1429.8 |
|                    | % Fixture | 18.2     | 0.0    | 18.2   |
| <b>Street Side</b> | Lumens    | 6437.2   | 0.0    | 6437.2 |
|                    | % Fixture | 81.8     | 0.0    | 81.8   |
| <b>Total</b>       | Lumens    | 7867.0   | 0.0    | 7867.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 130.9  | 1.7       |
| 10°-20°   | 387.3  | 4.9       |
| 20°-30°   | 652.5  | 8.3       |
| 30°-40°   | 960.3  | 12.2      |
| 40°-50°   | 1316.9 | 16.7      |
| 50°-60°   | 1602.3 | 20.4      |
| 60°-70°   | 1701.2 | 21.6      |
| 70°-80°   | 1042.8 | 13.3      |
| 80°-90°   | 72.8   | 0.9       |
| 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°    | 7867.0 | 100.0     |
| 0°-180°   | 7867.0 | 100.0     |

**Coefficient of Utilization**



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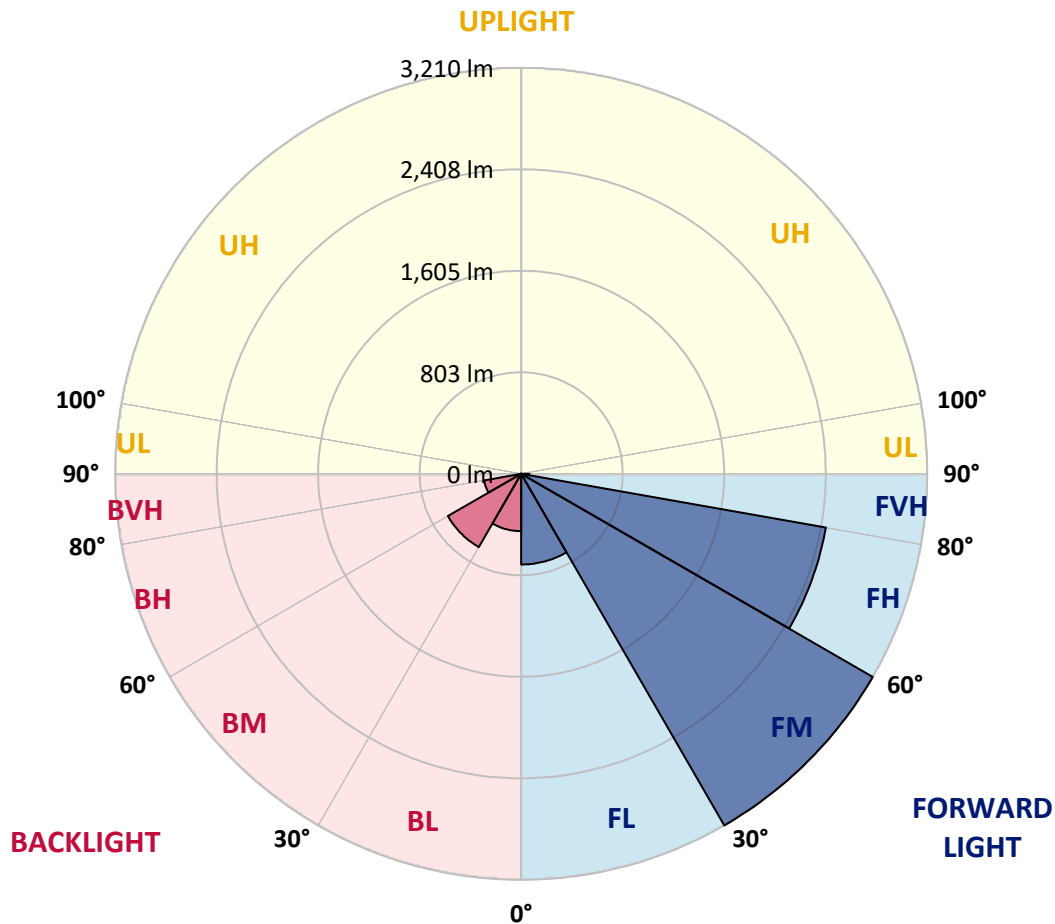
CATALOG NUMBER: CRTK2-C01-D-U-T3-7040-U0-HSS-CRTK2

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 717.1  | 9.1       |                         |      |         |
| FM   | (30°-60°)   | 3210.3 | 40.8      |                         |      |         |
| FH   | (60°-80°)   | 2446.4 | 31.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 63.4   | 0.8       |                         |      | G1/100  |
| BL   | (0°-30°)    | 453.6  | 5.8       | B1/500                  |      |         |
| BM   | (30°-60°)   | 669.2  | 8.5       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 297.7  | 3.8       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 9.3    | 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-G2**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 64°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1343.3 | 1343.3 | 1343.3 | 1343.3 | 1343.3 | 1343.3 | 1343.3 | 1343.3 | 1343.3 | 1343.3 | 1343.3 |
| 2.5°  | 1328.9 | 1328.9 | 1331.8 | 1328.9 | 1334.6 | 1326.0 | 1328.9 | 1328.9 | 1328.9 | 1331.8 | 1340.4 |
| 5°    | 1369.2 | 1369.2 | 1363.5 | 1354.8 | 1346.2 | 1334.6 | 1334.6 | 1334.6 | 1334.6 | 1340.4 | 1360.6 |
| 7.5°  | 1395.2 | 1392.3 | 1392.3 | 1392.3 | 1383.6 | 1360.6 | 1354.8 | 1351.9 | 1351.9 | 1351.9 | 1372.1 |
| 10°   | 1458.6 | 1449.9 | 1438.4 | 1421.1 | 1412.5 | 1392.3 | 1369.2 | 1366.4 | 1366.4 | 1369.2 | 1395.2 |
| 12.5° | 1519.1 | 1510.5 | 1510.5 | 1499.0 | 1464.4 | 1441.3 | 1400.9 | 1386.5 | 1386.5 | 1392.3 | 1406.7 |
| 15°   | 1620.0 | 1611.4 | 1588.3 | 1568.1 | 1536.4 | 1496.1 | 1455.7 | 1429.8 | 1426.9 | 1438.4 | 1418.2 |
| 17.5° | 1692.1 | 1677.7 | 1680.6 | 1648.8 | 1622.9 | 1565.3 | 1524.9 | 1484.5 | 1484.5 | 1496.1 | 1455.7 |
| 20°   | 1761.3 | 1761.3 | 1764.2 | 1761.3 | 1718.0 | 1671.9 | 1605.6 | 1556.6 | 1559.5 | 1562.4 | 1499.0 |
| 22.5° | 1865.0 | 1862.2 | 1862.2 | 1865.0 | 1836.2 | 1784.3 | 1712.3 | 1657.5 | 1654.6 | 1631.6 | 1553.7 |
| 25°   | 1986.1 | 1980.3 | 1968.8 | 1980.3 | 1965.9 | 1905.4 | 1836.2 | 1781.4 | 1772.8 | 1741.1 | 1634.4 |
| 27.5° | 2087.0 | 2087.0 | 2087.0 | 2092.8 | 2092.8 | 2049.5 | 1971.7 | 1914.0 | 1919.8 | 1876.6 | 1729.6 |
| 30°   | 2159.1 | 2159.1 | 2185.0 | 2196.5 | 2205.2 | 2190.8 | 2107.2 | 2046.6 | 2058.2 | 2006.3 | 1847.7 |
| 32.5° | 2236.9 | 2234.0 | 2268.6 | 2294.6 | 2306.1 | 2311.8 | 2242.7 | 2193.7 | 2196.5 | 2150.4 | 1983.2 |
| 35°   | 2309.0 | 2303.2 | 2349.3 | 2404.1 | 2432.9 | 2427.2 | 2378.1 | 2360.9 | 2366.6 | 2352.2 | 2167.7 |
| 37.5° | 2360.9 | 2369.5 | 2430.0 | 2502.1 | 2548.2 | 2559.8 | 2528.0 | 2559.8 | 2591.5 | 2611.6 | 2407.0 |
| 40°   | 2418.5 | 2418.5 | 2476.2 | 2554.0 | 2626.1 | 2669.3 | 2692.4 | 2807.7 | 2833.6 | 2848.0 | 2548.2 |
| 42.5° | 2360.9 | 2381.0 | 2502.1 | 2614.5 | 2709.6 | 2775.9 | 2871.1 | 3064.2 | 3093.0 | 3003.7 | 2735.6 |
| 45°   | 2311.8 | 2329.1 | 2450.2 | 2640.5 | 2778.8 | 2908.5 | 3081.5 | 3283.3 | 3312.1 | 3159.3 | 2842.2 |
| 47.5° | 2262.8 | 2283.0 | 2409.9 | 2620.3 | 2842.2 | 3055.6 | 3251.6 | 3470.7 | 3485.1 | 3294.8 | 2983.5 |
| 50°   | 2208.1 | 2228.3 | 2360.9 | 2594.3 | 2879.7 | 3214.1 | 3418.8 | 3643.6 | 3646.5 | 3413.0 | 3055.6 |
| 52.5° | 2138.9 | 2164.8 | 2297.4 | 2556.9 | 2911.4 | 3320.8 | 3568.7 | 3770.4 | 3753.1 | 3557.1 | 3142.0 |
| 55°   | 2052.4 | 2081.2 | 2228.3 | 2507.9 | 2928.7 | 3389.9 | 3666.7 | 3894.4 | 3882.9 | 3724.3 | 3254.5 |
| 57.5° | 1954.4 | 1986.1 | 2138.9 | 2432.9 | 2923.0 | 3424.5 | 3767.6 | 4099.1 | 4104.8 | 3862.7 | 3338.1 |
| 60°   | 1842.0 | 1870.8 | 2014.9 | 2334.9 | 2848.0 | 3487.9 | 3983.8 | 4323.9 | 4344.1 | 4015.5 | 3372.6 |
| 62.5° | 1695.0 | 1720.9 | 1859.3 | 2190.8 | 2752.9 | 3534.1 | 4148.1 | 4537.2 | 4528.6 | 4119.2 | 3384.2 |
| 65°   | 1510.5 | 1539.3 | 1669.0 | 2000.5 | 2603.0 | 3505.2 | 4200.0 | 4638.1 | 4638.1 | 4194.2 | 3375.5 |
| 67.5° | 1323.1 | 1349.1 | 1458.6 | 1758.4 | 2360.9 | 3361.1 | 4168.2 | 4678.5 | 4704.4 | 4243.2 | 3297.7 |
| 70°   | 1072.3 | 1086.7 | 1196.3 | 1444.2 | 2023.6 | 3090.1 | 4087.5 | 4718.8 | 4715.9 | 4188.4 | 3150.7 |
| 72.5° | 787.0  | 804.2  | 893.6  | 1083.9 | 1565.3 | 2675.1 | 3833.9 | 4473.8 | 4427.7 | 3894.4 | 2865.3 |
| 75°   | 406.4  | 423.7  | 492.9  | 680.3  | 997.4  | 1888.1 | 3268.9 | 3952.0 | 3943.4 | 3447.6 | 2372.4 |
| 77.5° | 54.8   | 54.8   | 63.4   | 112.4  | 230.6  | 752.4  | 2141.8 | 2960.4 | 2943.1 | 2628.9 | 1723.8 |
| 80°   | 37.5   | 37.5   | 43.2   | 51.9   | 66.3   | 164.3  | 755.2  | 1501.8 | 1527.8 | 1354.8 | 772.5  |
| 82.5° | 28.8   | 25.9   | 31.7   | 37.5   | 40.4   | 74.9   | 230.6  | 415.1  | 420.9  | 377.6  | 236.4  |
| 85°   | 17.3   | 17.3   | 17.3   | 17.3   | 14.4   | 20.2   | 51.9   | 69.2   | 77.8   | 74.9   | 60.5   |
| 87.5° | 8.6    | 8.6    | 8.6    | 5.8    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    |
| 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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**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1343.3 | 1343.3 | 1343.3 | 1343.3 | 1343.3 | 1343.3 | 1343.3 | 1343.3 | 1343.3 | 1343.3 | 1343.3 |
| 2.5°  | 1343.3 | 1351.9 | 1363.5 | 1377.9 | 1392.3 | 1403.8 | 1415.4 | 1421.1 | 1426.9 | 1429.8 | 1432.7 |
| 5°    | 1366.4 | 1377.9 | 1392.3 | 1412.5 | 1412.5 | 1403.8 | 1398.1 | 1398.1 | 1403.8 | 1412.5 | 1415.4 |
| 7.5°  | 1389.4 | 1400.9 | 1395.2 | 1392.3 | 1395.2 | 1383.6 | 1369.2 | 1360.6 | 1354.8 | 1354.8 | 1360.6 |
| 10°   | 1398.1 | 1386.5 | 1380.8 | 1366.4 | 1337.5 | 1331.8 | 1320.2 | 1297.2 | 1291.4 | 1297.2 | 1277.0 |
| 12.5° | 1392.3 | 1383.6 | 1354.8 | 1331.8 | 1302.9 | 1253.9 | 1225.1 | 1225.1 | 1210.7 | 1207.8 | 1210.7 |
| 15°   | 1406.7 | 1377.9 | 1343.3 | 1294.3 | 1242.4 | 1202.0 | 1155.9 | 1115.6 | 1104.0 | 1106.9 | 1106.9 |
| 17.5° | 1418.2 | 1389.4 | 1320.2 | 1245.3 | 1199.2 | 1127.1 | 1075.2 | 1052.1 | 1032.0 | 1029.1 | 1029.1 |
| 20°   | 1444.2 | 1403.8 | 1305.8 | 1225.1 | 1109.8 | 1055.0 | 997.4  | 968.6  | 936.8  | 893.6  | 879.2  |
| 22.5° | 1484.5 | 1429.8 | 1297.2 | 1170.3 | 1069.4 | 983.0  | 899.4  | 812.9  | 761.0  | 726.4  | 735.1  |
| 25°   | 1539.3 | 1478.8 | 1305.8 | 1150.2 | 1008.9 | 899.4  | 789.8  | 671.6  | 593.8  | 570.8  | 585.2  |
| 27.5° | 1637.3 | 1533.5 | 1331.8 | 1121.3 | 965.7  | 801.4  | 637.1  | 533.3  | 461.2  | 438.2  | 446.8  |
| 30°   | 1726.7 | 1617.1 | 1334.6 | 1104.0 | 896.5  | 686.1  | 501.6  | 386.3  | 328.6  | 294.0  | 285.4  |
| 32.5° | 1888.1 | 1706.5 | 1406.7 | 1081.0 | 824.4  | 559.2  | 369.0  | 256.6  | 204.7  | 184.5  | 178.7  |
| 35°   | 2046.6 | 1865.0 | 1426.9 | 1037.7 | 691.8  | 415.1  | 227.7  | 152.8  | 124.0  | 109.5  | 106.7  |
| 37.5° | 2265.7 | 2058.2 | 1510.5 | 991.6  | 559.2  | 253.7  | 138.4  | 92.2   | 86.5   | 83.6   | 83.6   |
| 40°   | 2375.3 | 2159.1 | 1579.7 | 925.3  | 392.0  | 144.1  | 89.4   | 80.7   | 77.8   | 74.9   | 74.9   |
| 42.5° | 2530.9 | 2274.4 | 1637.3 | 807.1  | 230.6  | 95.1   | 80.7   | 74.9   | 72.1   | 69.2   | 69.2   |
| 45°   | 2617.4 | 2334.9 | 1622.9 | 663.0  | 115.3  | 89.4   | 77.8   | 72.1   | 66.3   | 66.3   | 66.3   |
| 47.5° | 2732.7 | 2424.3 | 1585.4 | 490.0  | 103.8  | 86.5   | 74.9   | 69.2   | 66.3   | 69.2   | 66.3   |
| 50°   | 2842.2 | 2510.7 | 1481.7 | 389.2  | 100.9  | 83.6   | 74.9   | 66.3   | 66.3   | 66.3   | 66.3   |
| 52.5° | 2902.8 | 2591.5 | 1351.9 | 285.4  | 103.8  | 83.6   | 72.1   | 66.3   | 66.3   | 63.4   | 66.3   |
| 55°   | 2960.4 | 2603.0 | 1248.2 | 207.5  | 103.8  | 80.7   | 69.2   | 63.4   | 60.5   | 57.7   | 57.7   |
| 57.5° | 3000.8 | 2577.0 | 1164.6 | 173.0  | 103.8  | 80.7   | 66.3   | 60.5   | 51.9   | 49.0   | 49.0   |
| 60°   | 2989.3 | 2513.6 | 1095.4 | 158.5  | 98.0   | 74.9   | 60.5   | 51.9   | 46.1   | 40.4   | 40.4   |
| 62.5° | 2957.5 | 2476.2 | 968.6  | 138.4  | 89.4   | 69.2   | 54.8   | 43.2   | 37.5   | 34.6   | 34.6   |
| 65°   | 2928.7 | 2358.0 | 821.5  | 124.0  | 83.6   | 60.5   | 46.1   | 37.5   | 31.7   | 28.8   | 28.8   |
| 67.5° | 2790.4 | 2202.3 | 611.1  | 106.7  | 74.9   | 54.8   | 40.4   | 34.6   | 28.8   | 25.9   | 23.1   |
| 70°   | 2585.7 | 1951.5 | 400.7  | 92.2   | 66.3   | 46.1   | 34.6   | 28.8   | 23.1   | 20.2   | 20.2   |
| 72.5° | 2236.9 | 1611.4 | 207.5  | 74.9   | 54.8   | 40.4   | 31.7   | 25.9   | 20.2   | 17.3   | 17.3   |
| 75°   | 1816.0 | 1184.7 | 124.0  | 57.7   | 43.2   | 34.6   | 25.9   | 20.2   | 17.3   | 14.4   | 14.4   |
| 77.5° | 1256.8 | 654.4  | 89.4   | 43.2   | 28.8   | 25.9   | 20.2   | 17.3   | 14.4   | 11.5   | 11.5   |
| 80°   | 423.7  | 178.7  | 63.4   | 31.7   | 20.2   | 20.2   | 14.4   | 11.5   | 11.5   | 8.6    | 8.6    |
| 82.5° | 167.2  | 109.5  | 43.2   | 23.1   | 17.3   | 14.4   | 11.5   | 8.6    | 8.6    | 8.6    | 8.6    |
| 85°   | 46.1   | 31.7   | 17.3   | 11.5   | 8.6    | 8.6    | 8.6    | 5.8    | 5.8    | 5.8    | 5.8    |
| 87.5° | 2.9    | 5.8    | 5.8    | 5.8    | 5.8    | 5.8    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    |
| 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)