

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: P690957

Luminaire Tested: **CRTK2-C01-D-U-T3-7030-U0-HSS-CRTK2**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P690957  
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-T3-7030-U0-HSS-CRTK2  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K 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: 7641 lumens  
Efficiency: N/A  
Efficacy: 125.3 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

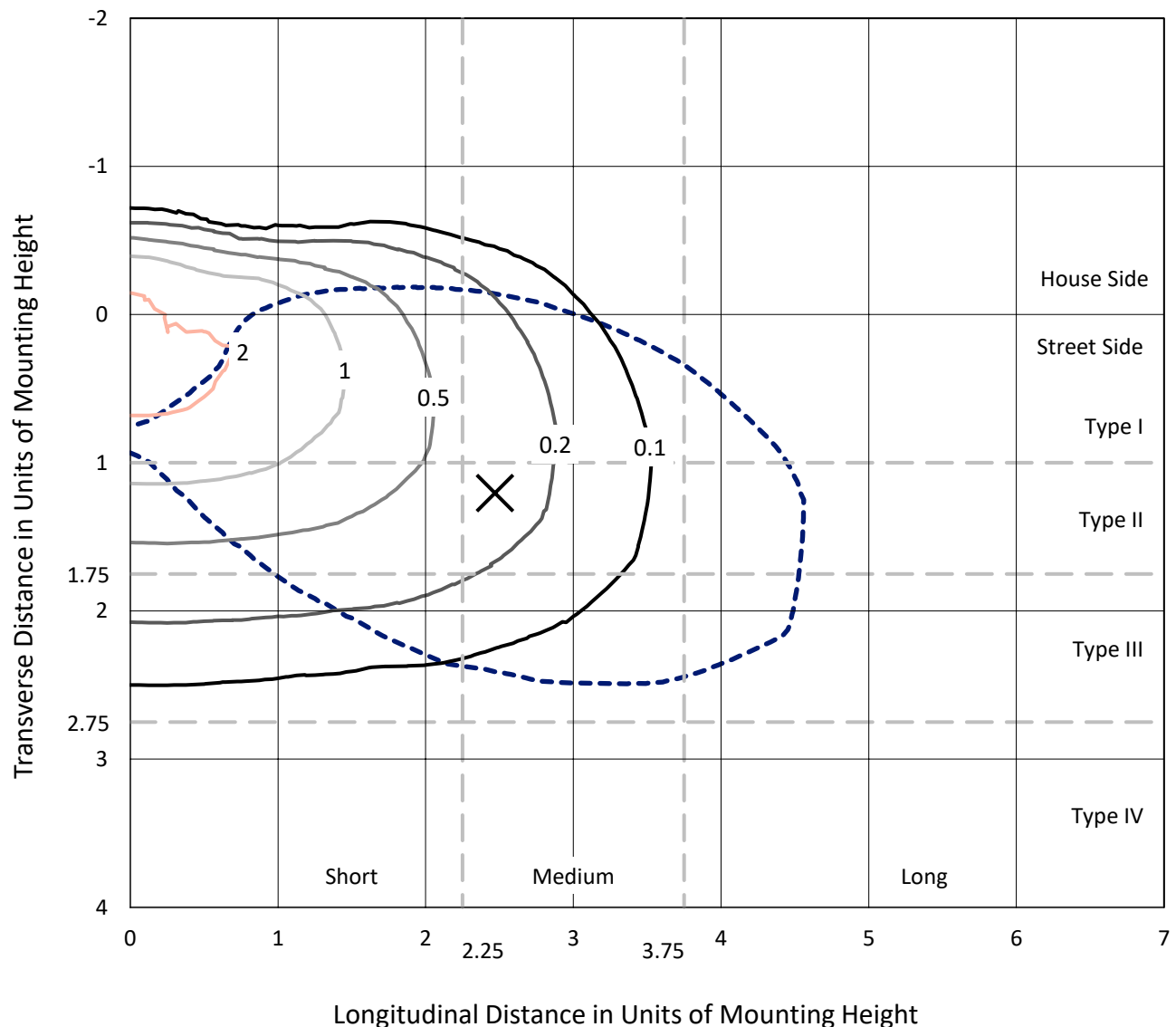


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## Iso-Footcandle Lines of Horizontal Illumination

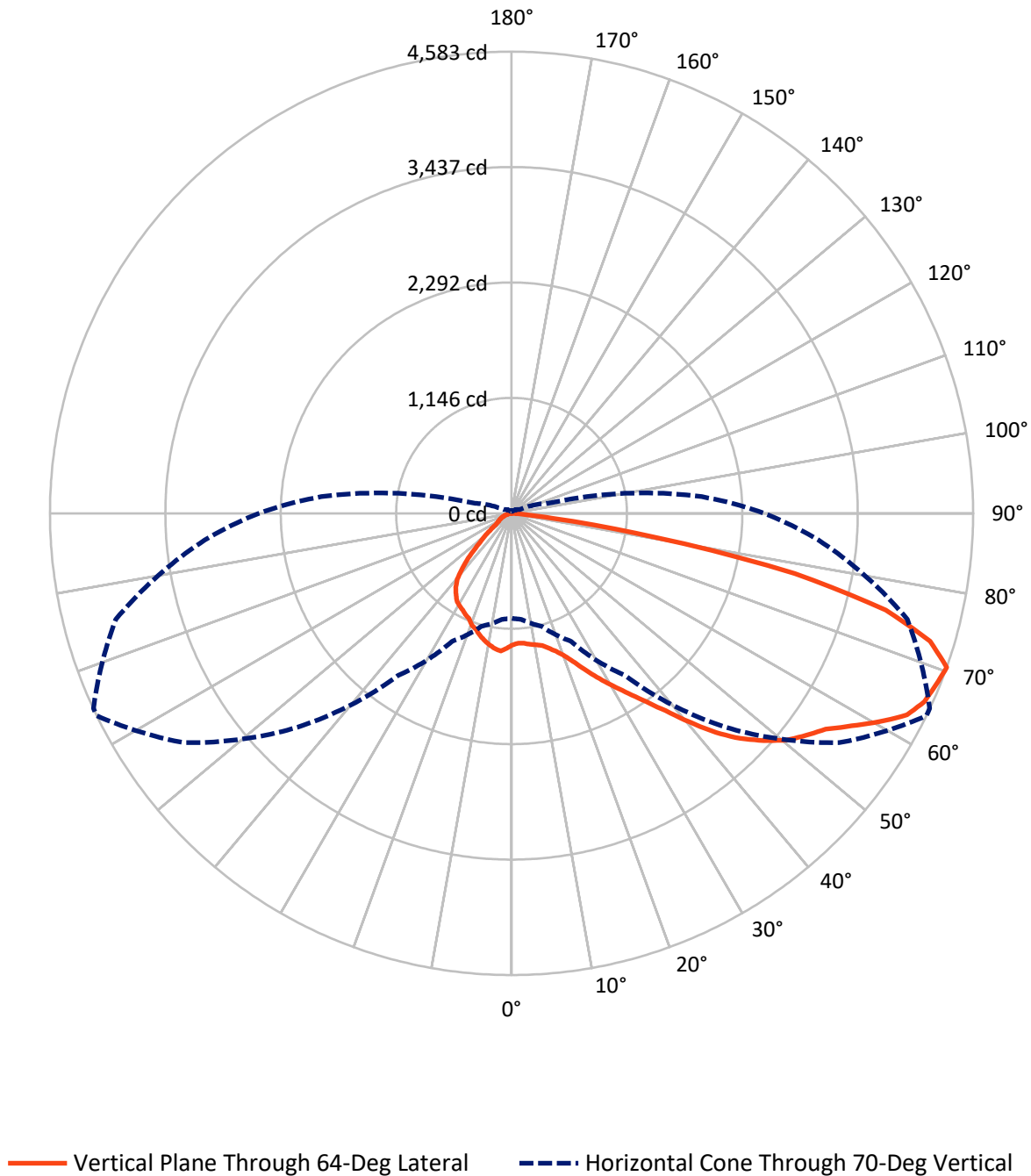
✕ Max cd  
 - - - 1/2 Max cd



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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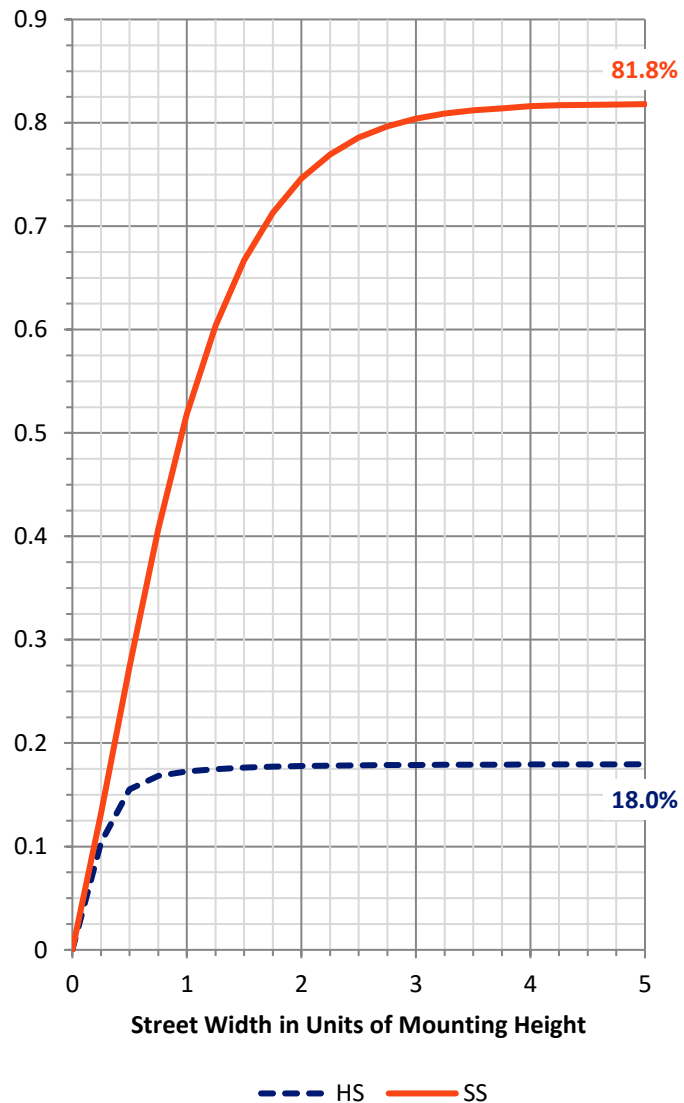
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1388.7   | 0.0    | 1388.7 |
|                    | % Fixture | 18.2     | 0.0    | 18.2   |
| <b>Street Side</b> | Lumens    | 6252.3   | 0.0    | 6252.3 |
|                    | % Fixture | 81.8     | 0.0    | 81.8   |
| <b>Total</b>       | Lumens    | 7641.0   | 0.0    | 7641.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 127.1  | 1.7       |
| 10°-20°   | 376.2  | 4.9       |
| 20°-30°   | 633.8  | 8.3       |
| 30°-40°   | 932.7  | 12.2      |
| 40°-50°   | 1279.1 | 16.7      |
| 50°-60°   | 1556.3 | 20.4      |
| 60°-70°   | 1652.3 | 21.6      |
| 70°-80°   | 1012.9 | 13.3      |
| 80°-90°   | 70.7   | 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°    | 7641.0 | 100.0     |
| 0°-180°   | 7641.0 | 100.0     |

**Coefficient of Utilization**



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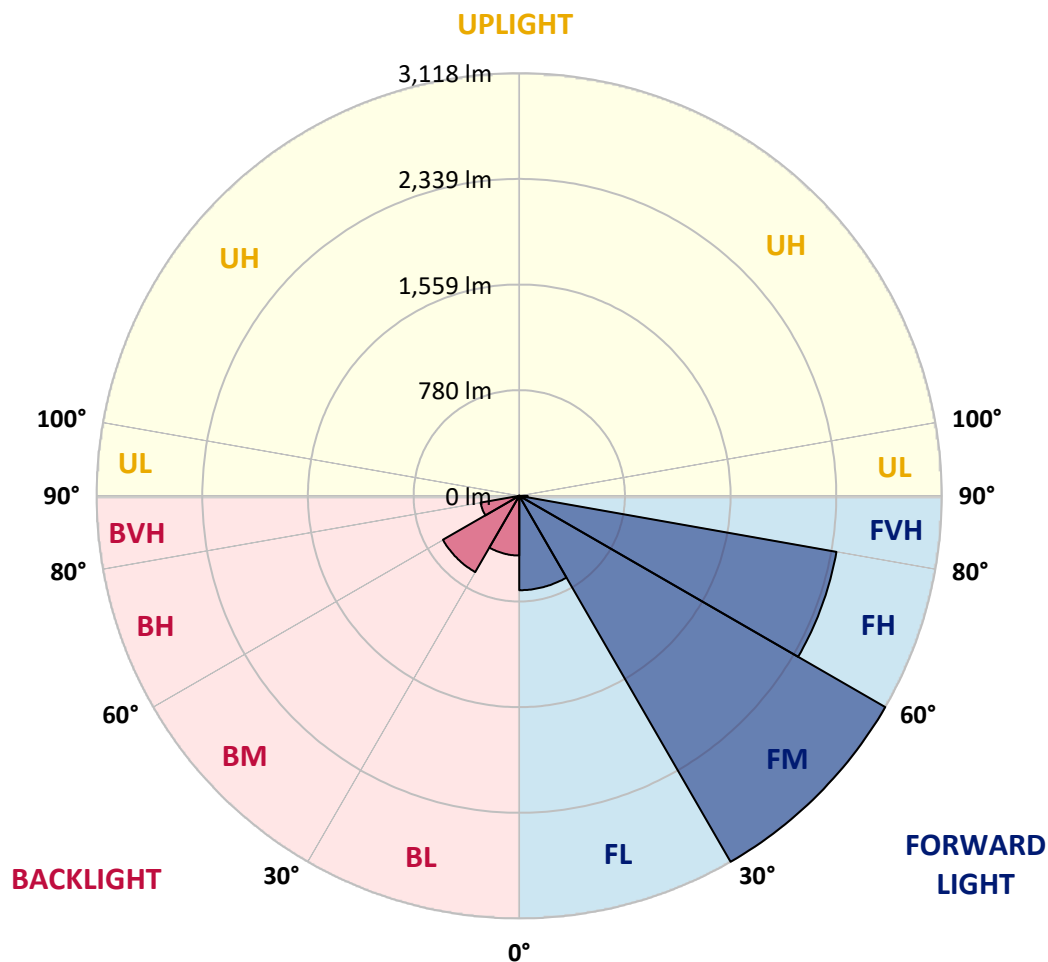
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 696.5  | 9.1       |                         |      |         |
| FM   | (30°-60°)   | 3118.1 | 40.8      |                         |      |         |
| FH   | (60°-80°)   | 2376.1 | 31.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 61.6   | 0.8       |                         |      | G1/100  |
| BL   | (0°-30°)    | 440.5  | 5.8       | B1/500                  |      |         |
| BM   | (30°-60°)   | 650.0  | 8.5       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 289.1  | 3.8       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 9.1    | 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°    | 1304.7 | 1304.7 | 1304.7 | 1304.7 | 1304.7 | 1304.7 | 1304.7 | 1304.7 | 1304.7 | 1304.7 | 1304.7 |
| 2.5°  | 1290.7 | 1290.7 | 1293.5 | 1290.7 | 1296.3 | 1287.9 | 1290.7 | 1290.7 | 1290.7 | 1293.5 | 1301.9 |
| 5°    | 1329.9 | 1329.9 | 1324.3 | 1315.9 | 1307.5 | 1296.3 | 1296.3 | 1296.3 | 1296.3 | 1301.9 | 1321.5 |
| 7.5°  | 1355.1 | 1352.3 | 1352.3 | 1352.3 | 1343.9 | 1321.5 | 1315.9 | 1313.1 | 1313.1 | 1313.1 | 1332.7 |
| 10°   | 1416.7 | 1408.3 | 1397.1 | 1380.3 | 1371.9 | 1352.3 | 1329.9 | 1327.1 | 1327.1 | 1329.9 | 1355.1 |
| 12.5° | 1475.5 | 1467.1 | 1467.1 | 1455.9 | 1422.3 | 1399.9 | 1360.7 | 1346.7 | 1346.7 | 1352.3 | 1366.3 |
| 15°   | 1573.5 | 1565.1 | 1542.7 | 1523.1 | 1492.3 | 1453.1 | 1413.9 | 1388.7 | 1385.9 | 1397.1 | 1377.5 |
| 17.5° | 1643.5 | 1629.5 | 1632.3 | 1601.5 | 1576.3 | 1520.3 | 1481.1 | 1441.9 | 1441.9 | 1453.1 | 1413.9 |
| 20°   | 1710.7 | 1710.7 | 1713.5 | 1710.7 | 1668.7 | 1623.9 | 1559.5 | 1511.9 | 1514.7 | 1517.5 | 1455.9 |
| 22.5° | 1811.5 | 1808.7 | 1808.7 | 1811.5 | 1783.5 | 1733.1 | 1663.1 | 1609.9 | 1607.1 | 1584.7 | 1509.1 |
| 25°   | 1929.1 | 1923.5 | 1912.3 | 1923.5 | 1909.5 | 1850.7 | 1783.5 | 1730.3 | 1721.9 | 1691.1 | 1587.5 |
| 27.5° | 2027.0 | 2027.0 | 2027.0 | 2032.6 | 2032.6 | 1990.7 | 1915.1 | 1859.1 | 1864.7 | 1822.7 | 1679.9 |
| 30°   | 2097.0 | 2097.0 | 2122.2 | 2133.4 | 2141.8 | 2127.8 | 2046.6 | 1987.9 | 1999.1 | 1948.7 | 1794.7 |
| 32.5° | 2172.6 | 2169.8 | 2203.4 | 2228.6 | 2239.8 | 2245.4 | 2178.2 | 2130.6 | 2133.4 | 2088.6 | 1926.3 |
| 35°   | 2242.6 | 2237.0 | 2281.8 | 2335.0 | 2363.0 | 2357.4 | 2309.8 | 2293.0 | 2298.6 | 2284.6 | 2105.4 |
| 37.5° | 2293.0 | 2301.4 | 2360.2 | 2430.2 | 2475.0 | 2486.2 | 2455.4 | 2486.2 | 2517.0 | 2536.6 | 2337.8 |
| 40°   | 2349.0 | 2349.0 | 2405.0 | 2480.6 | 2550.6 | 2592.6 | 2615.0 | 2727.0 | 2752.2 | 2766.2 | 2475.0 |
| 42.5° | 2293.0 | 2312.6 | 2430.2 | 2539.4 | 2631.8 | 2696.2 | 2788.6 | 2976.2 | 3004.2 | 2917.4 | 2657.0 |
| 45°   | 2245.4 | 2262.2 | 2379.8 | 2564.6 | 2699.0 | 2825.0 | 2993.0 | 3189.0 | 3217.0 | 3068.6 | 2760.6 |
| 47.5° | 2197.8 | 2217.4 | 2340.6 | 2545.0 | 2760.6 | 2967.8 | 3158.2 | 3370.9 | 3384.9 | 3200.2 | 2897.8 |
| 50°   | 2144.6 | 2164.2 | 2293.0 | 2519.8 | 2797.0 | 3121.8 | 3320.6 | 3538.9 | 3541.7 | 3315.0 | 2967.8 |
| 52.5° | 2077.4 | 2102.6 | 2231.4 | 2483.4 | 2827.8 | 3225.4 | 3466.1 | 3662.1 | 3645.3 | 3454.9 | 3051.8 |
| 55°   | 1993.5 | 2021.4 | 2164.2 | 2435.8 | 2844.6 | 3292.6 | 3561.3 | 3782.5 | 3771.3 | 3617.3 | 3161.0 |
| 57.5° | 1898.3 | 1929.1 | 2077.4 | 2363.0 | 2839.0 | 3326.2 | 3659.3 | 3981.3 | 3986.9 | 3751.7 | 3242.2 |
| 60°   | 1789.1 | 1817.1 | 1957.1 | 2267.8 | 2766.2 | 3387.7 | 3869.3 | 4199.7 | 4219.3 | 3900.1 | 3275.8 |
| 62.5° | 1646.3 | 1671.5 | 1805.9 | 2127.8 | 2673.8 | 3432.5 | 4028.9 | 4406.9 | 4398.5 | 4000.9 | 3287.0 |
| 65°   | 1467.1 | 1495.1 | 1621.1 | 1943.1 | 2528.2 | 3404.5 | 4079.3 | 4504.9 | 4504.9 | 4073.7 | 3278.6 |
| 67.5° | 1285.1 | 1310.3 | 1416.7 | 1707.9 | 2293.0 | 3264.6 | 4048.5 | 4544.1 | 4569.3 | 4121.3 | 3203.0 |
| 70°   | 1041.5 | 1055.5 | 1161.9 | 1402.7 | 1965.5 | 3001.4 | 3970.1 | 4583.3 | 4580.5 | 4068.1 | 3060.2 |
| 72.5° | 764.3  | 781.1  | 867.9  | 1052.7 | 1520.3 | 2598.2 | 3723.7 | 4345.3 | 4300.5 | 3782.5 | 2783.0 |
| 75°   | 394.8  | 411.6  | 478.8  | 660.8  | 968.7  | 1833.9 | 3175.0 | 3838.5 | 3830.1 | 3348.6 | 2304.2 |
| 77.5° | 53.2   | 53.2   | 61.6   | 109.2  | 224.0  | 730.7  | 2080.2 | 2875.4 | 2858.6 | 2553.4 | 1674.3 |
| 80°   | 36.4   | 36.4   | 42.0   | 50.4   | 64.4   | 159.6  | 733.5  | 1458.7 | 1483.9 | 1315.9 | 750.3  |
| 82.5° | 28.0   | 25.2   | 30.8   | 36.4   | 39.2   | 72.8   | 224.0  | 403.2  | 408.8  | 366.8  | 229.6  |
| 85°   | 16.8   | 16.8   | 16.8   | 16.8   | 14.0   | 19.6   | 50.4   | 67.2   | 75.6   | 72.8   | 58.8   |
| 87.5° | 8.4    | 8.4    | 8.4    | 5.6    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    |
| 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°    | 1304.7 | 1304.7 | 1304.7 | 1304.7 | 1304.7 | 1304.7 | 1304.7 | 1304.7 | 1304.7 | 1304.7 | 1304.7 |
| 2.5°  | 1304.7 | 1313.1 | 1324.3 | 1338.3 | 1352.3 | 1363.5 | 1374.7 | 1380.3 | 1385.9 | 1388.7 | 1391.5 |
| 5°    | 1327.1 | 1338.3 | 1352.3 | 1371.9 | 1371.9 | 1363.5 | 1357.9 | 1357.9 | 1363.5 | 1371.9 | 1374.7 |
| 7.5°  | 1349.5 | 1360.7 | 1355.1 | 1352.3 | 1355.1 | 1343.9 | 1329.9 | 1321.5 | 1315.9 | 1315.9 | 1321.5 |
| 10°   | 1357.9 | 1346.7 | 1341.1 | 1327.1 | 1299.1 | 1293.5 | 1282.3 | 1259.9 | 1254.3 | 1259.9 | 1240.3 |
| 12.5° | 1352.3 | 1343.9 | 1315.9 | 1293.5 | 1265.5 | 1217.9 | 1189.9 | 1189.9 | 1175.9 | 1173.1 | 1175.9 |
| 15°   | 1366.3 | 1338.3 | 1304.7 | 1257.1 | 1206.7 | 1167.5 | 1122.7 | 1083.5 | 1072.3 | 1075.1 | 1075.1 |
| 17.5° | 1377.5 | 1349.5 | 1282.3 | 1209.5 | 1164.7 | 1094.7 | 1044.3 | 1021.9 | 1002.3 | 999.5  | 999.5  |
| 20°   | 1402.7 | 1363.5 | 1268.3 | 1189.9 | 1077.9 | 1024.7 | 968.7  | 940.7  | 909.9  | 867.9  | 853.9  |
| 22.5° | 1441.9 | 1388.7 | 1259.9 | 1136.7 | 1038.7 | 954.7  | 873.5  | 789.5  | 739.1  | 705.5  | 713.9  |
| 25°   | 1495.1 | 1436.3 | 1268.3 | 1117.1 | 979.9  | 873.5  | 767.1  | 652.4  | 576.8  | 554.4  | 568.4  |
| 27.5° | 1590.3 | 1489.5 | 1293.5 | 1089.1 | 937.9  | 778.3  | 618.8  | 518.0  | 448.0  | 425.6  | 434.0  |
| 30°   | 1677.1 | 1570.7 | 1296.3 | 1072.3 | 870.7  | 666.4  | 487.2  | 375.2  | 319.2  | 285.6  | 277.2  |
| 32.5° | 1833.9 | 1657.5 | 1366.3 | 1049.9 | 800.7  | 543.2  | 358.4  | 249.2  | 198.8  | 179.2  | 173.6  |
| 35°   | 1987.9 | 1811.5 | 1385.9 | 1007.9 | 671.9  | 403.2  | 221.2  | 148.4  | 120.4  | 106.4  | 103.6  |
| 37.5° | 2200.6 | 1999.1 | 1467.1 | 963.1  | 543.2  | 246.4  | 134.4  | 89.6   | 84.0   | 81.2   | 81.2   |
| 40°   | 2307.0 | 2097.0 | 1534.3 | 898.7  | 380.8  | 140.0  | 86.8   | 78.4   | 75.6   | 72.8   | 72.8   |
| 42.5° | 2458.2 | 2209.0 | 1590.3 | 783.9  | 224.0  | 92.4   | 78.4   | 72.8   | 70.0   | 67.2   | 67.2   |
| 45°   | 2542.2 | 2267.8 | 1576.3 | 644.0  | 112.0  | 86.8   | 75.6   | 70.0   | 64.4   | 64.4   | 64.4   |
| 47.5° | 2654.2 | 2354.6 | 1539.9 | 476.0  | 100.8  | 84.0   | 72.8   | 67.2   | 64.4   | 67.2   | 64.4   |
| 50°   | 2760.6 | 2438.6 | 1439.1 | 378.0  | 98.0   | 81.2   | 72.8   | 64.4   | 64.4   | 64.4   | 64.4   |
| 52.5° | 2819.4 | 2517.0 | 1313.1 | 277.2  | 100.8  | 81.2   | 70.0   | 64.4   | 64.4   | 61.6   | 64.4   |
| 55°   | 2875.4 | 2528.2 | 1212.3 | 201.6  | 100.8  | 78.4   | 67.2   | 61.6   | 58.8   | 56.0   | 56.0   |
| 57.5° | 2914.6 | 2503.0 | 1131.1 | 168.0  | 100.8  | 78.4   | 64.4   | 58.8   | 50.4   | 47.6   | 47.6   |
| 60°   | 2903.4 | 2441.4 | 1063.9 | 154.0  | 95.2   | 72.8   | 58.8   | 50.4   | 44.8   | 39.2   | 39.2   |
| 62.5° | 2872.6 | 2405.0 | 940.7  | 134.4  | 86.8   | 67.2   | 53.2   | 42.0   | 36.4   | 33.6   | 33.6   |
| 65°   | 2844.6 | 2290.2 | 797.9  | 120.4  | 81.2   | 58.8   | 44.8   | 36.4   | 30.8   | 28.0   | 28.0   |
| 67.5° | 2710.2 | 2139.0 | 593.6  | 103.6  | 72.8   | 53.2   | 39.2   | 33.6   | 28.0   | 25.2   | 22.4   |
| 70°   | 2511.4 | 1895.5 | 389.2  | 89.6   | 64.4   | 44.8   | 33.6   | 28.0   | 22.4   | 19.6   | 19.6   |
| 72.5° | 2172.6 | 1565.1 | 201.6  | 72.8   | 53.2   | 39.2   | 30.8   | 25.2   | 19.6   | 16.8   | 16.8   |
| 75°   | 1763.9 | 1150.7 | 120.4  | 56.0   | 42.0   | 33.6   | 25.2   | 19.6   | 16.8   | 14.0   | 14.0   |
| 77.5° | 1220.7 | 635.6  | 86.8   | 42.0   | 28.0   | 25.2   | 19.6   | 16.8   | 14.0   | 11.2   | 11.2   |
| 80°   | 411.6  | 173.6  | 61.6   | 30.8   | 19.6   | 19.6   | 14.0   | 11.2   | 11.2   | 8.4    | 8.4    |
| 82.5° | 162.4  | 106.4  | 42.0   | 22.4   | 16.8   | 14.0   | 11.2   | 8.4    | 8.4    | 8.4    | 8.4    |
| 85°   | 44.8   | 30.8   | 16.8   | 11.2   | 8.4    | 8.4    | 8.4    | 5.6    | 5.6    | 5.6    | 5.6    |
| 87.5° | 2.8    | 5.6    | 5.6    | 5.6    | 5.6    | 5.6    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    |
| 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)