

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: P691877

Luminaire Tested: **CRTK2-C01H-D-U-T3-7030-U0-HSS-CRTK2**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691877  
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-C01H-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: 8562 lumens  
Efficiency: N/A  
Efficacy: 122.0 lumens/watt  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 70.2  
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

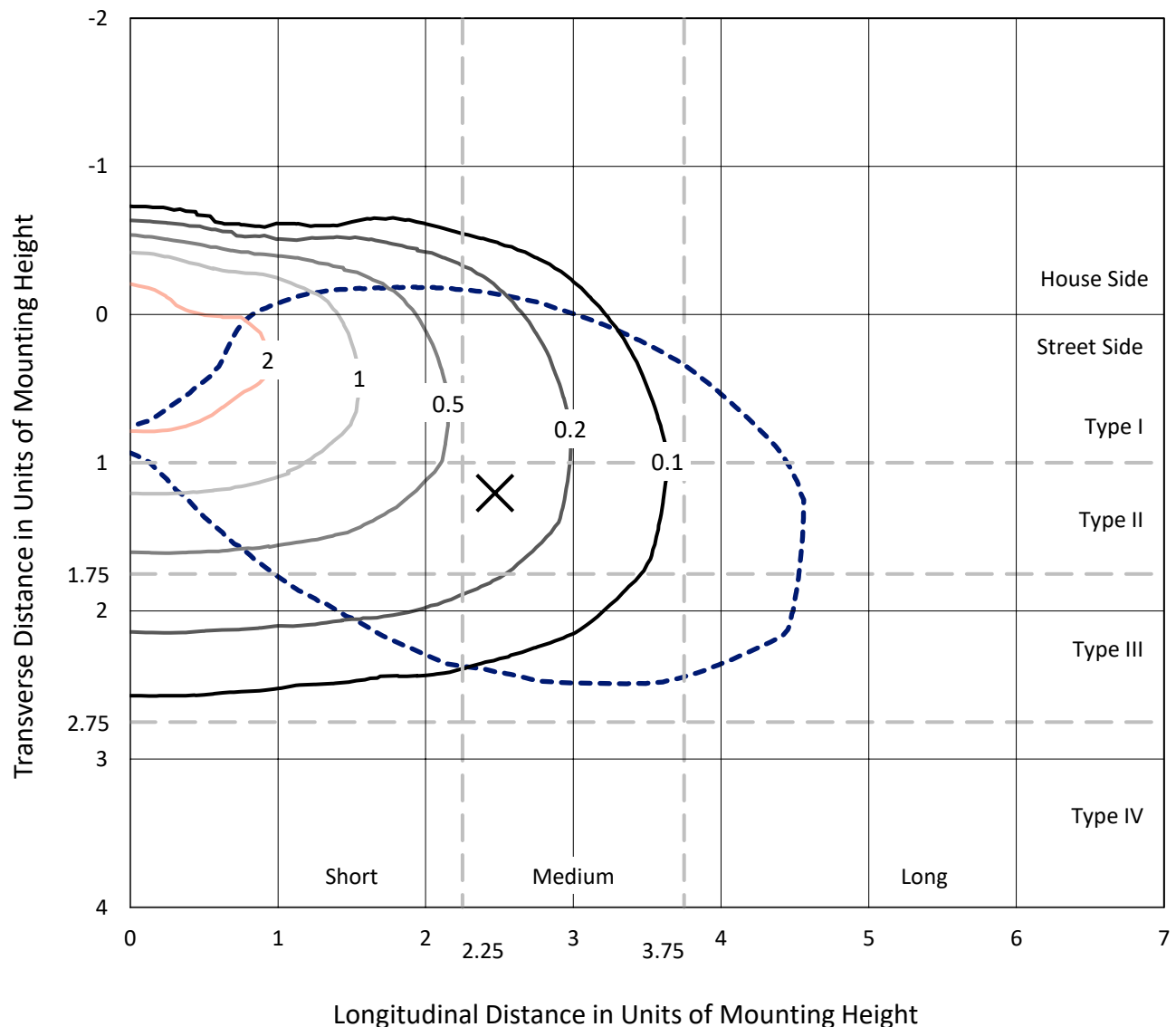


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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

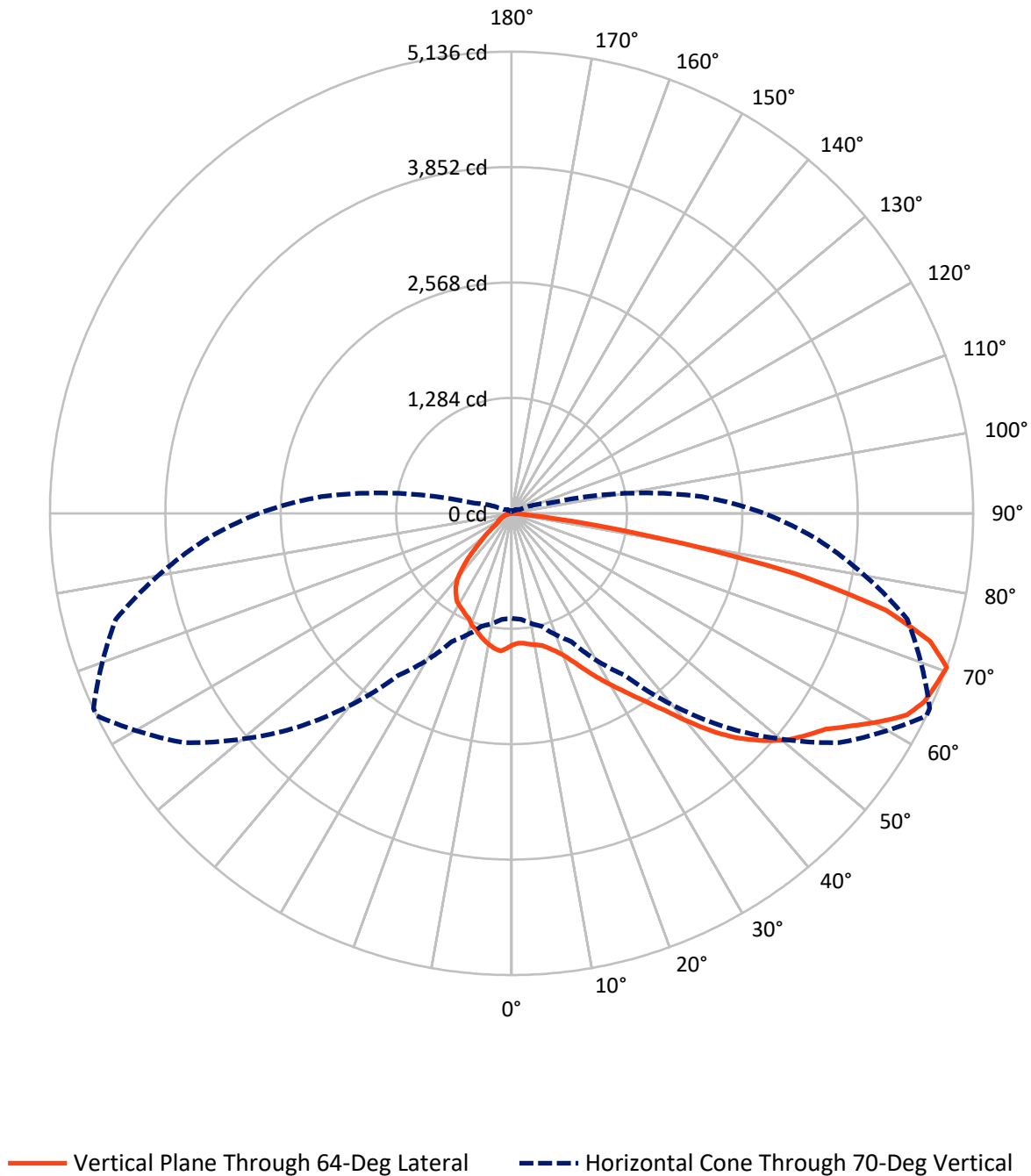


Based on 25 foot mounting height. Maximum calculated value = 2.6 fc  
 Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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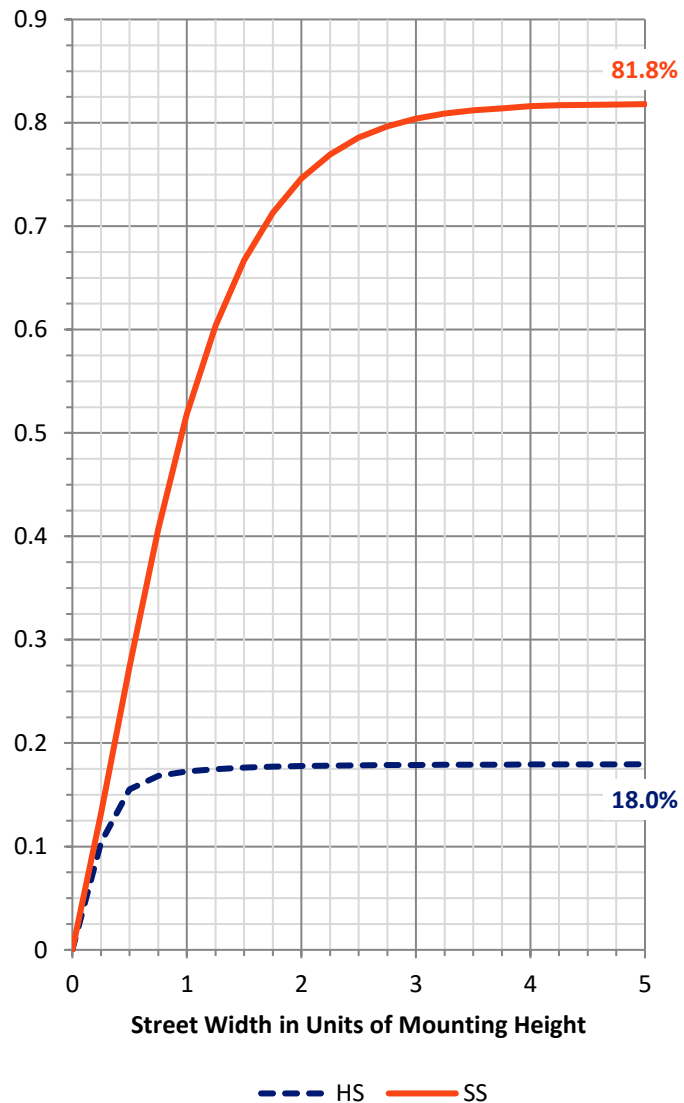
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1556.1   | 0.0    | 1556.1 |
|                    | % Fixture | 18.2     | 0.0    | 18.2   |
| <b>Street Side</b> | Lumens    | 7005.9   | 0.0    | 7005.9 |
|                    | % Fixture | 81.8     | 0.0    | 81.8   |
| <b>Total</b>       | Lumens    | 8562.0   | 0.0    | 8562.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 142.5  | 1.7       |
| 10°-20°   | 421.5  | 4.9       |
| 20°-30°   | 710.1  | 8.3       |
| 30°-40°   | 1045.1 | 12.2      |
| 40°-50°   | 1433.2 | 16.7      |
| 50°-60°   | 1743.9 | 20.4      |
| 60°-70°   | 1851.5 | 21.6      |
| 70°-80°   | 1135.0 | 13.3      |
| 80°-90°   | 79.2   | 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°    | 8562.0 | 100.0     |
| 0°-180°   | 8562.0 | 100.0     |

**Coefficient of Utilization**



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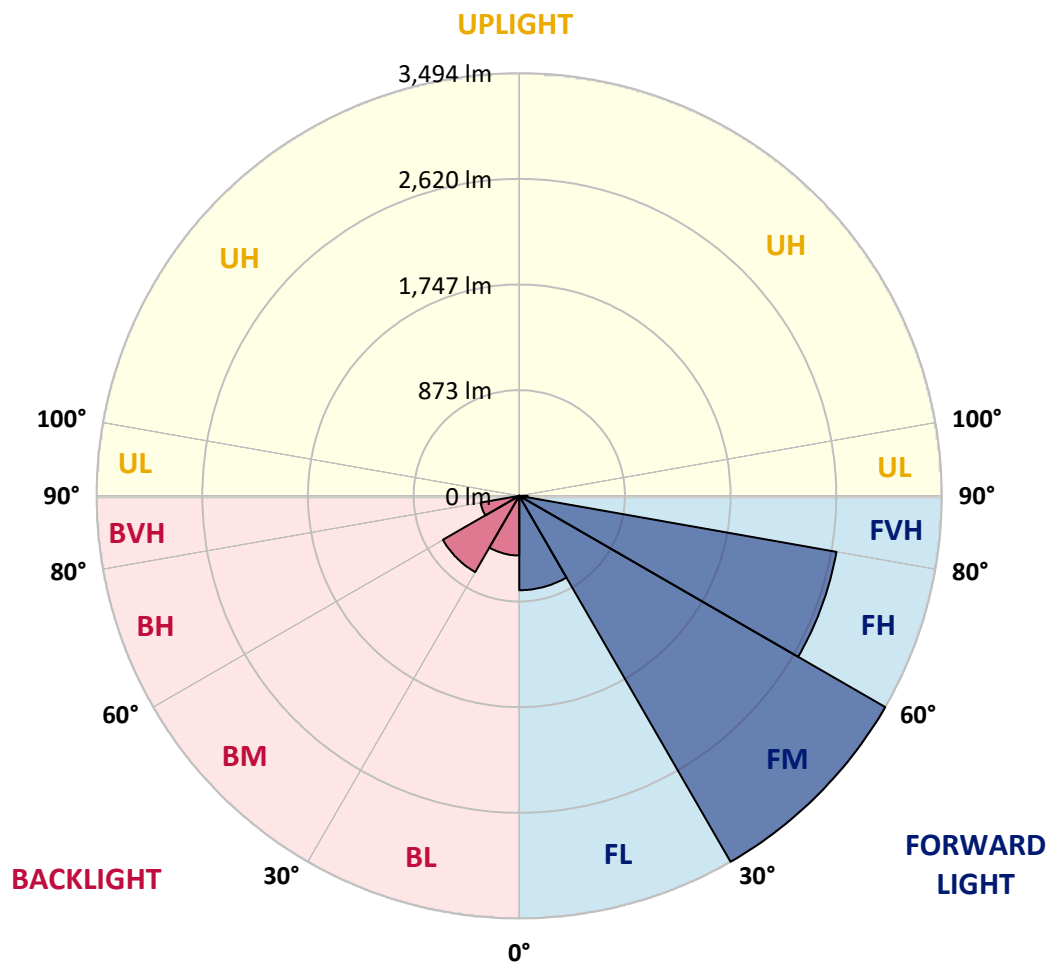
CATALOG NUMBER: CRTK2-C01H-D-U-T3-7030-U0-HSS-CRTK2

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 780.5  | 9.1       |                         |      |         |
| FM   | (30°-60°)   | 3493.9 | 40.8      |                         |      |         |
| FH   | (60°-80°)   | 2662.5 | 31.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 69.0   | 0.8       |                         |      | G1/100  |
| BL   | (0°-30°)    | 493.6  | 5.8       | B1/500                  |      |         |
| BM   | (30°-60°)   | 728.3  | 8.5       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 324.0  | 3.8       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 10.1   | 0.1       |                         |      | G1/100  |
| 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°    | 1462.0 | 1462.0 | 1462.0 | 1462.0 | 1462.0 | 1462.0 | 1462.0 | 1462.0 | 1462.0 | 1462.0 | 1462.0 |
| 2.5°  | 1446.3 | 1446.3 | 1449.4 | 1446.3 | 1452.6 | 1443.1 | 1446.3 | 1446.3 | 1446.3 | 1449.4 | 1458.8 |
| 5°    | 1490.2 | 1490.2 | 1483.9 | 1474.5 | 1465.1 | 1452.6 | 1452.6 | 1452.6 | 1452.6 | 1458.8 | 1480.8 |
| 7.5°  | 1518.4 | 1515.3 | 1515.3 | 1515.3 | 1505.9 | 1480.8 | 1474.5 | 1471.4 | 1471.4 | 1471.4 | 1493.3 |
| 10°   | 1587.5 | 1578.0 | 1565.5 | 1546.7 | 1537.3 | 1515.3 | 1490.2 | 1487.1 | 1487.1 | 1490.2 | 1518.4 |
| 12.5° | 1653.3 | 1643.9 | 1643.9 | 1631.4 | 1593.7 | 1568.6 | 1524.7 | 1509.0 | 1509.0 | 1515.3 | 1531.0 |
| 15°   | 1763.1 | 1753.7 | 1728.6 | 1706.7 | 1672.2 | 1628.2 | 1584.3 | 1556.1 | 1552.9 | 1565.5 | 1543.5 |
| 17.5° | 1841.6 | 1825.9 | 1829.0 | 1794.5 | 1766.3 | 1703.5 | 1659.6 | 1615.7 | 1615.7 | 1628.2 | 1584.3 |
| 20°   | 1916.9 | 1916.9 | 1920.0 | 1916.9 | 1869.8 | 1819.6 | 1747.5 | 1694.1 | 1697.3 | 1700.4 | 1631.4 |
| 22.5° | 2029.8 | 2026.7 | 2026.7 | 2029.8 | 1998.4 | 1942.0 | 1863.5 | 1803.9 | 1800.8 | 1775.7 | 1691.0 |
| 25°   | 2161.6 | 2155.3 | 2142.7 | 2155.3 | 2139.6 | 2073.7 | 1998.4 | 1938.8 | 1929.4 | 1894.9 | 1778.8 |
| 27.5° | 2271.4 | 2271.4 | 2271.4 | 2277.7 | 2277.7 | 2230.6 | 2145.9 | 2083.1 | 2089.4 | 2042.4 | 1882.4 |
| 30°   | 2349.8 | 2349.8 | 2378.0 | 2390.6 | 2400.0 | 2384.3 | 2293.3 | 2227.5 | 2240.0 | 2183.5 | 2011.0 |
| 32.5° | 2434.5 | 2431.4 | 2469.0 | 2497.3 | 2509.8 | 2516.1 | 2440.8 | 2387.5 | 2390.6 | 2340.4 | 2158.4 |
| 35°   | 2512.9 | 2506.7 | 2556.9 | 2616.5 | 2647.8 | 2641.6 | 2588.2 | 2569.4 | 2575.7 | 2560.0 | 2359.2 |
| 37.5° | 2569.4 | 2578.8 | 2644.7 | 2723.1 | 2773.3 | 2785.9 | 2751.4 | 2785.9 | 2820.4 | 2842.4 | 2619.6 |
| 40°   | 2632.2 | 2632.2 | 2694.9 | 2779.6 | 2858.0 | 2905.1 | 2930.2 | 3055.7 | 3083.9 | 3099.6 | 2773.3 |
| 42.5° | 2569.4 | 2591.4 | 2723.1 | 2845.5 | 2949.0 | 3021.2 | 3124.7 | 3334.9 | 3366.3 | 3269.0 | 2977.3 |
| 45°   | 2516.1 | 2534.9 | 2666.7 | 2873.7 | 3024.3 | 3165.5 | 3353.7 | 3573.3 | 3604.7 | 3438.4 | 3093.3 |
| 47.5° | 2462.8 | 2484.7 | 2622.8 | 2851.8 | 3093.3 | 3325.5 | 3538.8 | 3777.3 | 3792.9 | 3585.9 | 3247.1 |
| 50°   | 2403.1 | 2425.1 | 2569.4 | 2823.5 | 3134.1 | 3498.0 | 3720.8 | 3965.5 | 3968.6 | 3714.5 | 3325.5 |
| 52.5° | 2327.8 | 2356.1 | 2500.4 | 2782.8 | 3168.6 | 3614.1 | 3883.9 | 4103.5 | 4084.7 | 3871.4 | 3419.6 |
| 55°   | 2233.7 | 2265.1 | 2425.1 | 2729.4 | 3187.5 | 3689.4 | 3990.6 | 4238.4 | 4225.9 | 4053.3 | 3542.0 |
| 57.5° | 2127.1 | 2161.6 | 2327.8 | 2647.8 | 3181.2 | 3727.1 | 4100.4 | 4461.2 | 4467.5 | 4203.9 | 3632.9 |
| 60°   | 2004.7 | 2036.1 | 2192.9 | 2541.2 | 3099.6 | 3796.1 | 4335.7 | 4705.9 | 4727.9 | 4370.2 | 3670.6 |
| 62.5° | 1844.7 | 1872.9 | 2023.5 | 2384.3 | 2996.1 | 3846.3 | 4514.5 | 4938.0 | 4928.6 | 4483.1 | 3683.1 |
| 65°   | 1643.9 | 1675.3 | 1816.5 | 2177.3 | 2832.9 | 3814.9 | 4571.0 | 5047.9 | 5047.9 | 4564.7 | 3673.7 |
| 67.5° | 1440.0 | 1468.2 | 1587.5 | 1913.7 | 2569.4 | 3658.0 | 4536.5 | 5091.8 | 5120.0 | 4618.0 | 3589.0 |
| 70°   | 1167.1 | 1182.7 | 1302.0 | 1571.8 | 2202.4 | 3363.1 | 4448.6 | 5135.7 | 5132.6 | 4558.4 | 3429.0 |
| 72.5° | 856.5  | 875.3  | 972.6  | 1179.6 | 1703.5 | 2911.4 | 4172.6 | 4869.0 | 4818.8 | 4238.4 | 3118.4 |
| 75°   | 442.4  | 461.2  | 536.5  | 740.4  | 1085.5 | 2054.9 | 3557.7 | 4301.2 | 4291.8 | 3752.2 | 2582.0 |
| 77.5° | 59.6   | 59.6   | 69.0   | 122.4  | 251.0  | 818.8  | 2331.0 | 3222.0 | 3203.1 | 2861.2 | 1876.1 |
| 80°   | 40.8   | 40.8   | 47.1   | 56.5   | 72.2   | 178.8  | 822.0  | 1634.5 | 1662.7 | 1474.5 | 840.8  |
| 82.5° | 31.4   | 28.2   | 34.5   | 40.8   | 43.9   | 81.6   | 251.0  | 451.8  | 458.0  | 411.0  | 257.3  |
| 85°   | 18.8   | 18.8   | 18.8   | 18.8   | 15.7   | 22.0   | 56.5   | 75.3   | 84.7   | 81.6   | 65.9   |
| 87.5° | 9.4    | 9.4    | 9.4    | 6.3    | 3.1    | 3.1    | 3.1    | 3.1    | 3.1    | 3.1    | 3.1    |
| 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°    | 1462.0 | 1462.0 | 1462.0 | 1462.0 | 1462.0 | 1462.0 | 1462.0 | 1462.0 | 1462.0 | 1462.0 | 1462.0 |
| 2.5°  | 1462.0 | 1471.4 | 1483.9 | 1499.6 | 1515.3 | 1527.8 | 1540.4 | 1546.7 | 1552.9 | 1556.1 | 1559.2 |
| 5°    | 1487.1 | 1499.6 | 1515.3 | 1537.3 | 1537.3 | 1527.8 | 1521.6 | 1521.6 | 1527.8 | 1537.3 | 1540.4 |
| 7.5°  | 1512.2 | 1524.7 | 1518.4 | 1515.3 | 1518.4 | 1505.9 | 1490.2 | 1480.8 | 1474.5 | 1474.5 | 1480.8 |
| 10°   | 1521.6 | 1509.0 | 1502.7 | 1487.1 | 1455.7 | 1449.4 | 1436.9 | 1411.8 | 1405.5 | 1411.8 | 1389.8 |
| 12.5° | 1515.3 | 1505.9 | 1474.5 | 1449.4 | 1418.0 | 1364.7 | 1333.3 | 1333.3 | 1317.6 | 1314.5 | 1317.6 |
| 15°   | 1531.0 | 1499.6 | 1462.0 | 1408.6 | 1352.2 | 1308.2 | 1258.0 | 1214.1 | 1201.6 | 1204.7 | 1204.7 |
| 17.5° | 1543.5 | 1512.2 | 1436.9 | 1355.3 | 1305.1 | 1226.7 | 1170.2 | 1145.1 | 1123.1 | 1120.0 | 1120.0 |
| 20°   | 1571.8 | 1527.8 | 1421.2 | 1333.3 | 1207.8 | 1148.2 | 1085.5 | 1054.1 | 1019.6 | 972.6  | 956.9  |
| 22.5° | 1615.7 | 1556.1 | 1411.8 | 1273.7 | 1163.9 | 1069.8 | 978.8  | 884.7  | 828.2  | 790.6  | 800.0  |
| 25°   | 1675.3 | 1609.4 | 1421.2 | 1251.8 | 1098.0 | 978.8  | 859.6  | 731.0  | 646.3  | 621.2  | 636.9  |
| 27.5° | 1782.0 | 1669.0 | 1449.4 | 1220.4 | 1051.0 | 872.2  | 693.3  | 580.4  | 502.0  | 476.9  | 486.3  |
| 30°   | 1879.2 | 1760.0 | 1452.6 | 1201.6 | 975.7  | 746.7  | 545.9  | 420.4  | 357.6  | 320.0  | 310.6  |
| 32.5° | 2054.9 | 1857.3 | 1531.0 | 1176.5 | 897.3  | 608.6  | 401.6  | 279.2  | 222.7  | 200.8  | 194.5  |
| 35°   | 2227.5 | 2029.8 | 1552.9 | 1129.4 | 752.9  | 451.8  | 247.8  | 166.3  | 134.9  | 119.2  | 116.1  |
| 37.5° | 2465.9 | 2240.0 | 1643.9 | 1079.2 | 608.6  | 276.1  | 150.6  | 100.4  | 94.1   | 91.0   | 91.0   |
| 40°   | 2585.1 | 2349.8 | 1719.2 | 1007.1 | 426.7  | 156.9  | 97.3   | 87.8   | 84.7   | 81.6   | 81.6   |
| 42.5° | 2754.5 | 2475.3 | 1782.0 | 878.4  | 251.0  | 103.5  | 87.8   | 81.6   | 78.4   | 75.3   | 75.3   |
| 45°   | 2848.6 | 2541.2 | 1766.3 | 721.6  | 125.5  | 97.3   | 84.7   | 78.4   | 72.2   | 72.2   | 72.2   |
| 47.5° | 2974.1 | 2638.4 | 1725.5 | 533.3  | 112.9  | 94.1   | 81.6   | 75.3   | 72.2   | 75.3   | 72.2   |
| 50°   | 3093.3 | 2732.6 | 1612.6 | 423.5  | 109.8  | 91.0   | 81.6   | 72.2   | 72.2   | 72.2   | 72.2   |
| 52.5° | 3159.2 | 2820.4 | 1471.4 | 310.6  | 112.9  | 91.0   | 78.4   | 72.2   | 72.2   | 69.0   | 72.2   |
| 55°   | 3222.0 | 2832.9 | 1358.4 | 225.9  | 112.9  | 87.8   | 75.3   | 69.0   | 65.9   | 62.7   | 62.7   |
| 57.5° | 3265.9 | 2804.7 | 1267.5 | 188.2  | 112.9  | 87.8   | 72.2   | 65.9   | 56.5   | 53.3   | 53.3   |
| 60°   | 3253.3 | 2735.7 | 1192.2 | 172.5  | 106.7  | 81.6   | 65.9   | 56.5   | 50.2   | 43.9   | 43.9   |
| 62.5° | 3218.8 | 2694.9 | 1054.1 | 150.6  | 97.3   | 75.3   | 59.6   | 47.1   | 40.8   | 37.6   | 37.6   |
| 65°   | 3187.5 | 2566.3 | 894.1  | 134.9  | 91.0   | 65.9   | 50.2   | 40.8   | 34.5   | 31.4   | 31.4   |
| 67.5° | 3036.9 | 2396.9 | 665.1  | 116.1  | 81.6   | 59.6   | 43.9   | 37.6   | 31.4   | 28.2   | 25.1   |
| 70°   | 2814.1 | 2123.9 | 436.1  | 100.4  | 72.2   | 50.2   | 37.6   | 31.4   | 25.1   | 22.0   | 22.0   |
| 72.5° | 2434.5 | 1753.7 | 225.9  | 81.6   | 59.6   | 43.9   | 34.5   | 28.2   | 22.0   | 18.8   | 18.8   |
| 75°   | 1976.5 | 1289.4 | 134.9  | 62.7   | 47.1   | 37.6   | 28.2   | 22.0   | 18.8   | 15.7   | 15.7   |
| 77.5° | 1367.8 | 712.2  | 97.3   | 47.1   | 31.4   | 28.2   | 22.0   | 18.8   | 15.7   | 12.5   | 12.5   |
| 80°   | 461.2  | 194.5  | 69.0   | 34.5   | 22.0   | 22.0   | 15.7   | 12.5   | 12.5   | 9.4    | 9.4    |
| 82.5° | 182.0  | 119.2  | 47.1   | 25.1   | 18.8   | 15.7   | 12.5   | 9.4    | 9.4    | 9.4    | 9.4    |
| 85°   | 50.2   | 34.5   | 18.8   | 12.5   | 9.4    | 9.4    | 9.4    | 6.3    | 6.3    | 6.3    | 6.3    |
| 87.5° | 3.1    | 6.3    | 6.3    | 6.3    | 6.3    | 6.3    | 3.1    | 3.1    | 3.1    | 3.1    | 3.1    |
| 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)