

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: P691886

Luminaire Tested: **CRTK2-C01H-D-U-T3-7040-U0**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691886  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C01H-D-U-T3-7040-U0  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND U0 SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9500 lumens  
Efficiency: N/A  
Efficacy: 135.3 lumens/watt  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - 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

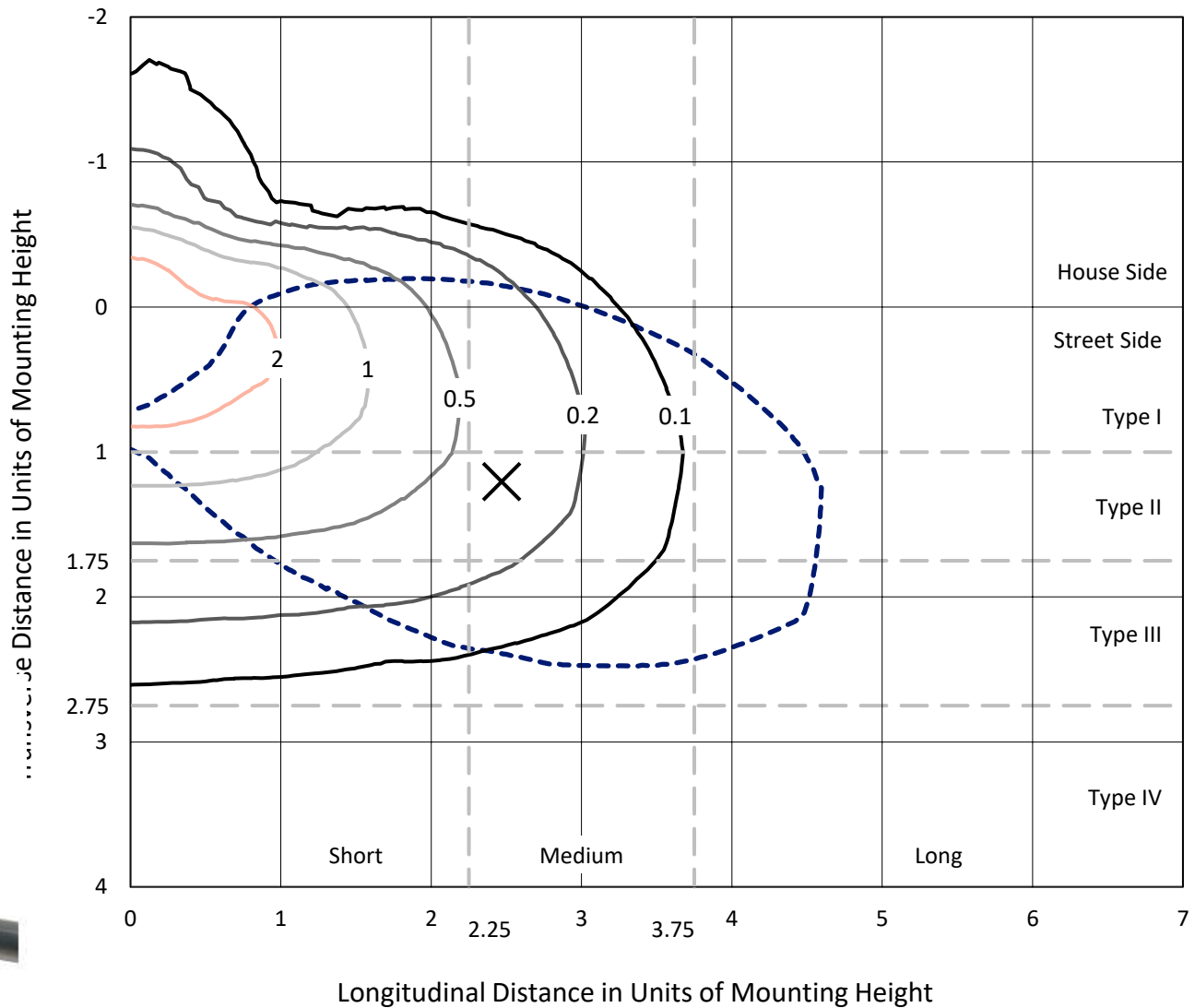


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## Iso-Footcandle Lines of Horizontal Illumination

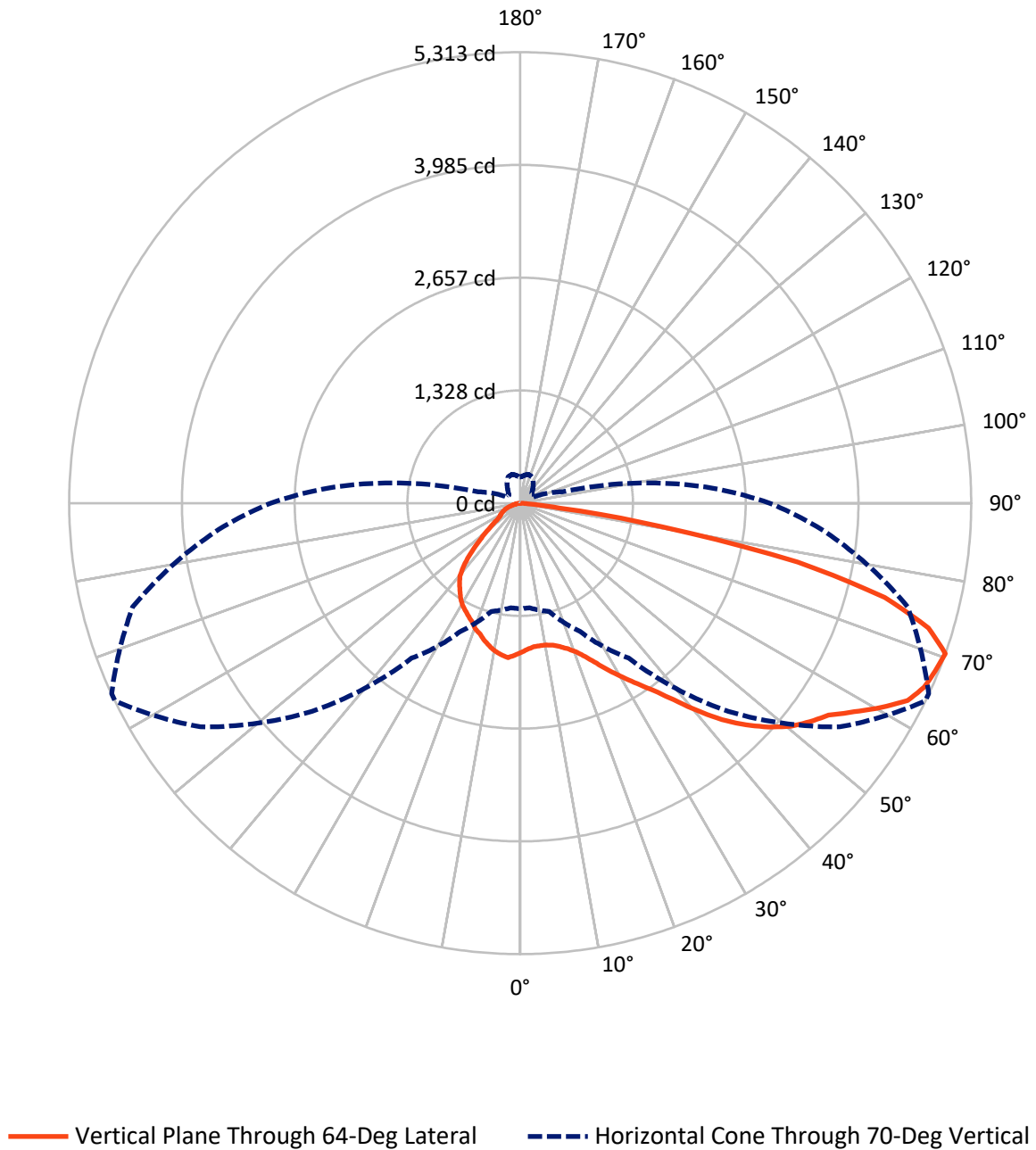
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc  
 Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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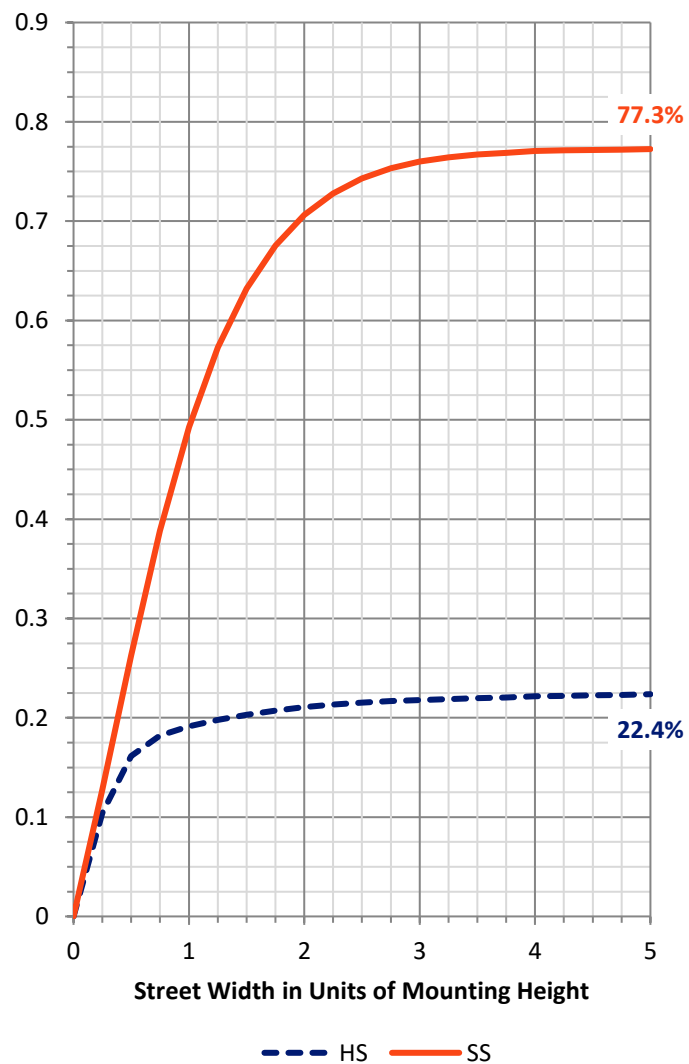
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2158.1   | 0.0    | 2158.1 |
|                    | % Fixture | 22.7     | 0.0    | 22.7   |
| <b>Street Side</b> | Lumens    | 7341.9   | 0.0    | 7341.9 |
|                    | % Fixture | 77.3     | 0.0    | 77.3   |
| <b>Total</b>       | Lumens    | 9500.0   | 0.0    | 9500.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 169.0  | 1.8       |
| 10°-20°   | 495.4  | 5.2       |
| 20°-30°   | 822.4  | 8.7       |
| 30°-40°   | 1176.3 | 12.4      |
| 40°-50°   | 1570.8 | 16.5      |
| 50°-60°   | 1898.3 | 20.0      |
| 60°-70°   | 2020.3 | 21.3      |
| 70°-80°   | 1241.1 | 13.1      |
| 80°-90°   | 106.3  | 1.1       |
| 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°    | 9500.0 | 100.0     |
| 0°-180°   | 9500.0 | 100.0     |

**Coefficient of Utilization**



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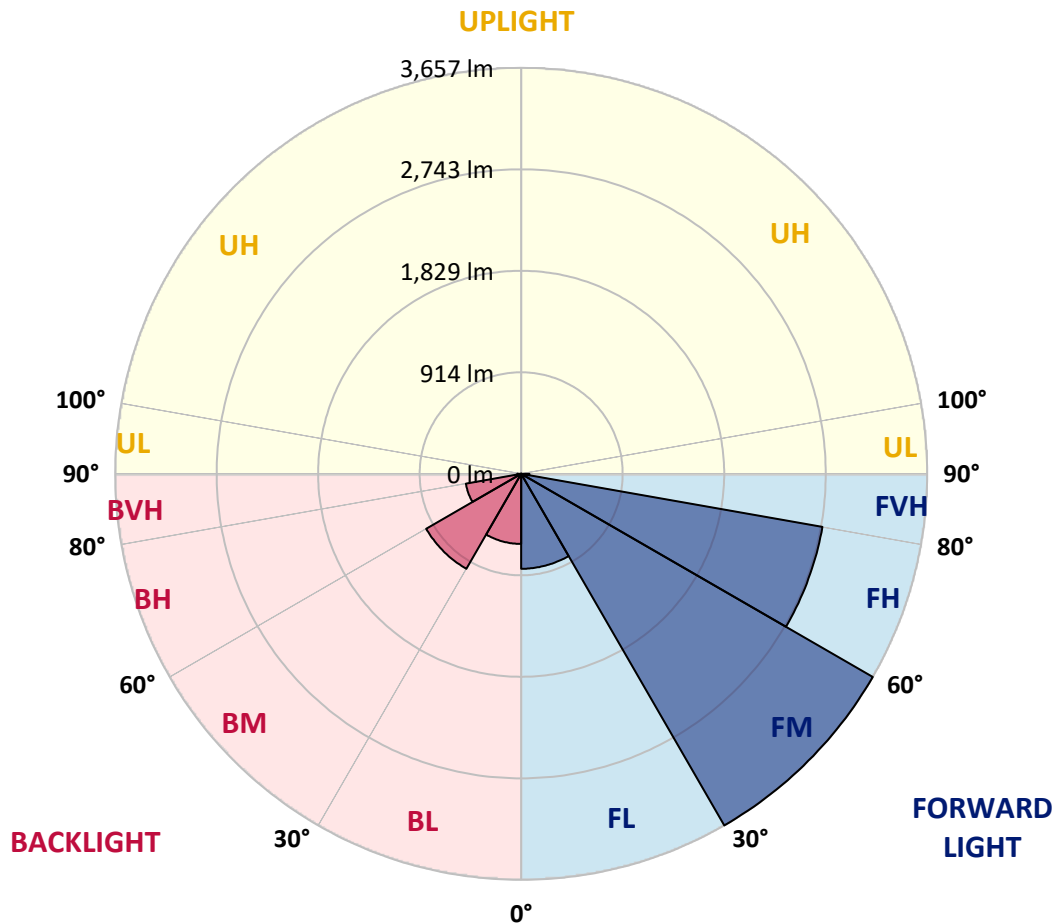
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 855.4  | 9.0       |                         |      |         |
| FM   | (30°-60°)   | 3657.4 | 38.5      |                         |      |         |
| FH   | (60°-80°)   | 2755.3 | 29.0      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 73.8   | 0.8       |                         |      | G1/100  |
| BL   | (0°-30°)    | 631.4  | 6.6       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 988.1  | 10.4      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 506.1  | 5.3       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 32.5   | 0.3       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 64°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1757.0 | 1757.0 | 1757.0 | 1757.0 | 1757.0 | 1757.0 | 1757.0 | 1757.0 | 1757.0 | 1757.0 | 1757.0 |
| 2.5°  | 1715.1 | 1715.1 | 1715.1 | 1715.1 | 1718.3 | 1721.5 | 1718.3 | 1721.5 | 1721.5 | 1728.0 | 1737.7 |
| 5°    | 1744.1 | 1744.1 | 1737.7 | 1724.7 | 1715.1 | 1702.1 | 1695.7 | 1698.9 | 1698.9 | 1715.1 | 1740.9 |
| 7.5°  | 1753.8 | 1753.8 | 1747.4 | 1747.4 | 1737.7 | 1708.6 | 1698.9 | 1695.7 | 1698.9 | 1705.4 | 1740.9 |
| 10°   | 1802.3 | 1799.0 | 1782.9 | 1763.5 | 1750.6 | 1724.7 | 1702.1 | 1698.9 | 1702.1 | 1711.8 | 1750.6 |
| 12.5° | 1853.9 | 1853.9 | 1847.5 | 1831.3 | 1795.8 | 1770.0 | 1731.2 | 1718.3 | 1715.1 | 1724.7 | 1747.4 |
| 15°   | 1957.3 | 1944.4 | 1918.5 | 1895.9 | 1870.1 | 1828.1 | 1776.4 | 1753.8 | 1747.4 | 1760.3 | 1750.6 |
| 17.5° | 2018.7 | 2009.0 | 2012.2 | 1976.7 | 1954.1 | 1895.9 | 1844.3 | 1802.3 | 1799.0 | 1812.0 | 1770.0 |
| 20°   | 2086.5 | 2083.3 | 2089.7 | 2086.5 | 2051.0 | 1999.3 | 1918.5 | 1866.9 | 1860.4 | 1863.6 | 1799.0 |
| 22.5° | 2189.9 | 2189.9 | 2186.6 | 2186.6 | 2167.2 | 2105.9 | 2015.4 | 1963.8 | 1954.1 | 1931.5 | 1847.5 |
| 25°   | 2302.9 | 2302.9 | 2302.9 | 2309.4 | 2309.4 | 2238.3 | 2147.9 | 2089.7 | 2083.3 | 2051.0 | 1928.2 |
| 27.5° | 2409.5 | 2415.9 | 2419.2 | 2422.4 | 2432.1 | 2399.8 | 2299.7 | 2231.8 | 2228.6 | 2186.6 | 2034.8 |
| 30°   | 2493.5 | 2496.7 | 2525.8 | 2532.2 | 2551.6 | 2541.9 | 2445.0 | 2380.4 | 2386.9 | 2332.0 | 2154.3 |
| 32.5° | 2567.7 | 2571.0 | 2613.0 | 2635.6 | 2658.2 | 2661.4 | 2580.7 | 2535.4 | 2535.4 | 2487.0 | 2299.7 |
| 35°   | 2638.8 | 2642.0 | 2693.7 | 2748.6 | 2793.8 | 2780.9 | 2735.7 | 2709.9 | 2719.5 | 2703.4 | 2499.9 |
| 37.5° | 2700.2 | 2713.1 | 2780.9 | 2861.7 | 2913.3 | 2923.0 | 2903.7 | 2939.2 | 2958.6 | 2984.4 | 2771.2 |
| 40°   | 2758.3 | 2764.8 | 2829.4 | 2913.3 | 3000.5 | 3045.8 | 3068.4 | 3213.7 | 3233.1 | 3252.5 | 2926.3 |
| 42.5° | 2703.4 | 2716.3 | 2855.2 | 2981.2 | 3091.0 | 3168.5 | 3275.1 | 3488.3 | 3530.2 | 3423.7 | 3136.2 |
| 45°   | 2638.8 | 2655.0 | 2793.8 | 3007.0 | 3162.0 | 3304.2 | 3501.2 | 3727.3 | 3759.6 | 3598.1 | 3249.2 |
| 47.5° | 2583.9 | 2603.3 | 2745.4 | 2984.4 | 3236.3 | 3488.3 | 3685.3 | 3940.4 | 3959.8 | 3746.6 | 3404.3 |
| 50°   | 2522.5 | 2538.7 | 2690.5 | 2955.3 | 3275.1 | 3656.2 | 3879.1 | 4134.2 | 4140.7 | 3869.4 | 3485.0 |
| 52.5° | 2441.8 | 2457.9 | 2613.0 | 2910.1 | 3304.2 | 3769.3 | 4040.6 | 4276.3 | 4250.5 | 4027.6 | 3578.7 |
| 55°   | 2338.4 | 2361.0 | 2529.0 | 2848.7 | 3320.3 | 3837.1 | 4150.4 | 4408.8 | 4395.9 | 4215.0 | 3701.4 |
| 57.5° | 2228.6 | 2251.2 | 2422.4 | 2764.8 | 3304.2 | 3879.1 | 4263.4 | 4638.1 | 4634.9 | 4366.8 | 3791.9 |
| 60°   | 2105.9 | 2125.3 | 2270.6 | 2655.0 | 3216.9 | 3946.9 | 4512.1 | 4886.8 | 4912.6 | 4538.0 | 3827.4 |
| 62.5° | 1944.4 | 1947.6 | 2093.0 | 2496.7 | 3103.9 | 3995.3 | 4689.8 | 5122.6 | 5106.4 | 4651.0 | 3833.9 |
| 65°   | 1731.2 | 1740.9 | 1870.1 | 2277.1 | 2919.8 | 3956.6 | 4735.0 | 5229.2 | 5229.2 | 4735.0 | 3827.4 |
| 67.5° | 1524.5 | 1521.3 | 1631.1 | 2002.5 | 2635.6 | 3785.4 | 4696.2 | 5274.4 | 5297.0 | 4789.9 | 3743.4 |
| 70°   | 1243.5 | 1237.0 | 1321.0 | 1666.6 | 2228.6 | 3468.9 | 4596.1 | 5313.1 | 5309.9 | 4725.3 | 3565.8 |
| 72.5° | 920.5  | 917.3  | 975.4  | 1262.9 | 1705.4 | 2968.2 | 4299.0 | 5028.9 | 4996.6 | 4415.2 | 3220.2 |
| 75°   | 510.3  | 484.5  | 481.3  | 781.6  | 991.6  | 2080.0 | 3653.0 | 4434.6 | 4447.5 | 3901.7 | 2696.9 |
| 77.5° | 74.3   | 77.5   | 80.7   | 142.1  | 171.2  | 778.4  | 2374.0 | 3342.9 | 3336.5 | 3010.2 | 1967.0 |
| 80°   | 51.7   | 54.9   | 58.1   | 71.1   | 80.7   | 184.1  | 820.4  | 1686.0 | 1782.9 | 1582.6 | 907.6  |
| 82.5° | 38.8   | 38.8   | 42.0   | 48.4   | 45.2   | 84.0   | 255.2  | 468.3  | 484.5  | 439.3  | 268.1  |
| 85°   | 25.8   | 25.8   | 22.6   | 25.8   | 16.1   | 22.6   | 58.1   | 87.2   | 93.7   | 90.4   | 74.3   |
| 87.5° | 12.9   | 12.9   | 9.7    | 9.7    | 6.5    | 6.5    | 6.5    | 3.2    | 6.5    | 3.2    | 6.5    |
| 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°    | 1757.0 | 1757.0 | 1757.0 | 1757.0 | 1757.0 | 1757.0 | 1757.0 | 1757.0 | 1757.0 | 1757.0 | 1757.0 |
| 2.5°  | 1747.4 | 1753.8 | 1773.2 | 1789.3 | 1808.7 | 1831.3 | 1844.3 | 1857.2 | 1870.1 | 1863.6 | 1873.3 |
| 5°    | 1753.8 | 1766.7 | 1795.8 | 1824.9 | 1841.0 | 1844.3 | 1847.5 | 1857.2 | 1876.6 | 1876.6 | 1892.7 |
| 7.5°  | 1760.3 | 1782.9 | 1782.9 | 1799.0 | 1821.6 | 1828.1 | 1831.3 | 1837.8 | 1847.5 | 1850.7 | 1847.5 |
| 10°   | 1760.3 | 1750.6 | 1766.7 | 1770.0 | 1760.3 | 1776.4 | 1786.1 | 1782.9 | 1792.6 | 1795.8 | 1795.8 |
| 12.5° | 1740.9 | 1737.7 | 1724.7 | 1724.7 | 1721.5 | 1695.7 | 1695.7 | 1721.5 | 1721.5 | 1737.7 | 1740.9 |
| 15°   | 1740.9 | 1715.1 | 1698.9 | 1676.3 | 1653.7 | 1644.0 | 1631.1 | 1611.7 | 1618.2 | 1640.8 | 1647.2 |
| 17.5° | 1737.7 | 1708.6 | 1660.2 | 1614.9 | 1598.8 | 1560.0 | 1547.1 | 1547.1 | 1543.9 | 1556.8 | 1560.0 |
| 20°   | 1750.6 | 1708.6 | 1634.3 | 1582.6 | 1495.4 | 1482.5 | 1456.7 | 1459.9 | 1463.1 | 1443.8 | 1434.1 |
| 22.5° | 1786.1 | 1734.4 | 1614.9 | 1514.8 | 1447.0 | 1388.8 | 1340.4 | 1308.1 | 1304.9 | 1295.2 | 1304.9 |
| 25°   | 1841.0 | 1779.7 | 1618.2 | 1476.0 | 1366.2 | 1282.3 | 1250.0 | 1172.4 | 1136.9 | 1140.1 | 1159.5 |
| 27.5° | 1941.2 | 1834.6 | 1634.3 | 1434.1 | 1301.6 | 1182.1 | 1078.8 | 1030.3 | 991.6  | 991.6  | 998.0  |
| 30°   | 2034.8 | 1918.5 | 1627.9 | 1398.5 | 1201.5 | 1052.9 | 920.5  | 843.0  | 830.1  | 817.2  | 813.9  |
| 32.5° | 2209.2 | 2025.1 | 1692.5 | 1346.9 | 1107.8 | 888.2  | 755.8  | 649.2  | 658.9  | 662.1  | 668.6  |
| 35°   | 2383.6 | 2196.3 | 1705.4 | 1282.3 | 972.2  | 723.5  | 584.6  | 526.5  | 552.3  | 558.8  | 565.2  |
| 37.5° | 2616.2 | 2409.5 | 1792.6 | 1224.1 | 833.3  | 555.5  | 465.1  | 439.3  | 465.1  | 465.1  | 468.3  |
| 40°   | 2742.2 | 2509.6 | 1863.6 | 1166.0 | 652.4  | 410.2  | 365.0  | 345.6  | 377.9  | 403.7  | 410.2  |
| 42.5° | 2919.8 | 2638.8 | 1928.2 | 1049.7 | 461.9  | 306.8  | 281.0  | 319.8  | 371.4  | 397.3  | 400.5  |
| 45°   | 3010.2 | 2703.4 | 1905.6 | 894.7  | 303.6  | 248.7  | 274.5  | 323.0  | 374.7  | 400.5  | 403.7  |
| 47.5° | 3133.0 | 2793.8 | 1860.4 | 713.8  | 242.2  | 245.5  | 277.8  | 332.7  | 384.4  | 407.0  | 410.2  |
| 50°   | 3252.5 | 2887.5 | 1744.1 | 568.5  | 232.6  | 245.5  | 284.2  | 335.9  | 381.1  | 397.3  | 394.0  |
| 52.5° | 3320.3 | 2974.7 | 1595.6 | 432.8  | 232.6  | 248.7  | 290.7  | 342.4  | 377.9  | 381.1  | 381.1  |
| 55°   | 3381.7 | 2984.4 | 1472.8 | 335.9  | 229.3  | 251.9  | 297.1  | 348.8  | 381.1  | 381.1  | 374.7  |
| 57.5° | 3420.4 | 2945.6 | 1379.2 | 290.7  | 229.3  | 251.9  | 297.1  | 348.8  | 397.3  | 407.0  | 397.3  |
| 60°   | 3404.3 | 2871.4 | 1314.6 | 271.3  | 222.9  | 248.7  | 293.9  | 358.5  | 487.7  | 510.3  | 490.9  |
| 62.5° | 3365.5 | 2829.4 | 1175.7 | 248.7  | 213.2  | 239.0  | 287.5  | 387.6  | 523.2  | 526.5  | 510.3  |
| 65°   | 3330.0 | 2690.5 | 1007.7 | 222.9  | 200.3  | 229.3  | 277.8  | 394.0  | 442.5  | 426.3  | 423.1  |
| 67.5° | 3168.5 | 2509.6 | 768.7  | 197.0  | 180.9  | 216.4  | 268.1  | 361.7  | 394.0  | 374.7  | 368.2  |
| 70°   | 2939.2 | 2193.1 | 513.5  | 168.0  | 161.5  | 200.3  | 268.1  | 339.1  | 352.1  | 319.8  | 306.8  |
| 72.5° | 2519.3 | 1815.2 | 281.0  | 135.7  | 135.7  | 184.1  | 242.2  | 316.5  | 326.2  | 287.5  | 264.8  |
| 75°   | 2051.0 | 1314.6 | 180.9  | 103.4  | 103.4  | 155.0  | 219.6  | 300.4  | 319.8  | 277.8  | 248.7  |
| 77.5° | 1411.5 | 720.3  | 126.0  | 74.3   | 67.8   | 119.5  | 174.4  | 245.5  | 284.2  | 239.0  | 203.5  |
| 80°   | 478.0  | 190.6  | 80.7   | 48.4   | 42.0   | 67.8   | 116.3  | 190.6  | 258.4  | 245.5  | 219.6  |
| 82.5° | 187.3  | 119.5  | 54.9   | 32.3   | 29.1   | 32.3   | 58.1   | 119.5  | 206.7  | 222.9  | 258.4  |
| 85°   | 54.9   | 32.3   | 19.4   | 16.1   | 16.1   | 16.1   | 16.1   | 48.4   | 122.7  | 161.5  | 203.5  |
| 87.5° | 6.5    | 6.5    | 6.5    | 6.5    | 6.5    | 6.5    | 6.5    | 6.5    | 29.1   | 51.7   | 67.8   |
| 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)