

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: P691885

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

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691885  
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-T3-7040-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: 8815 lumens  
Efficiency: N/A  
Efficacy: 125.6 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

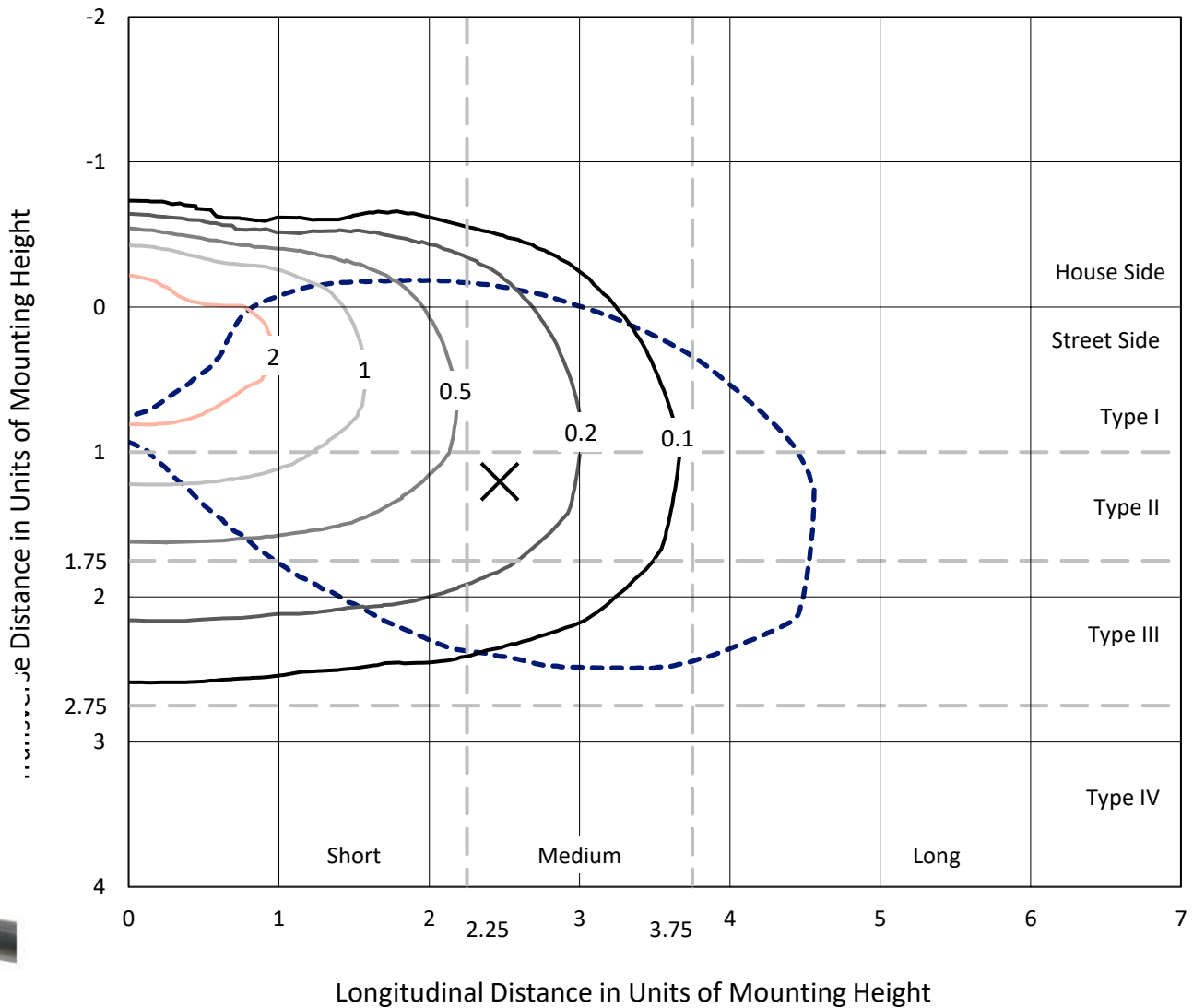


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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

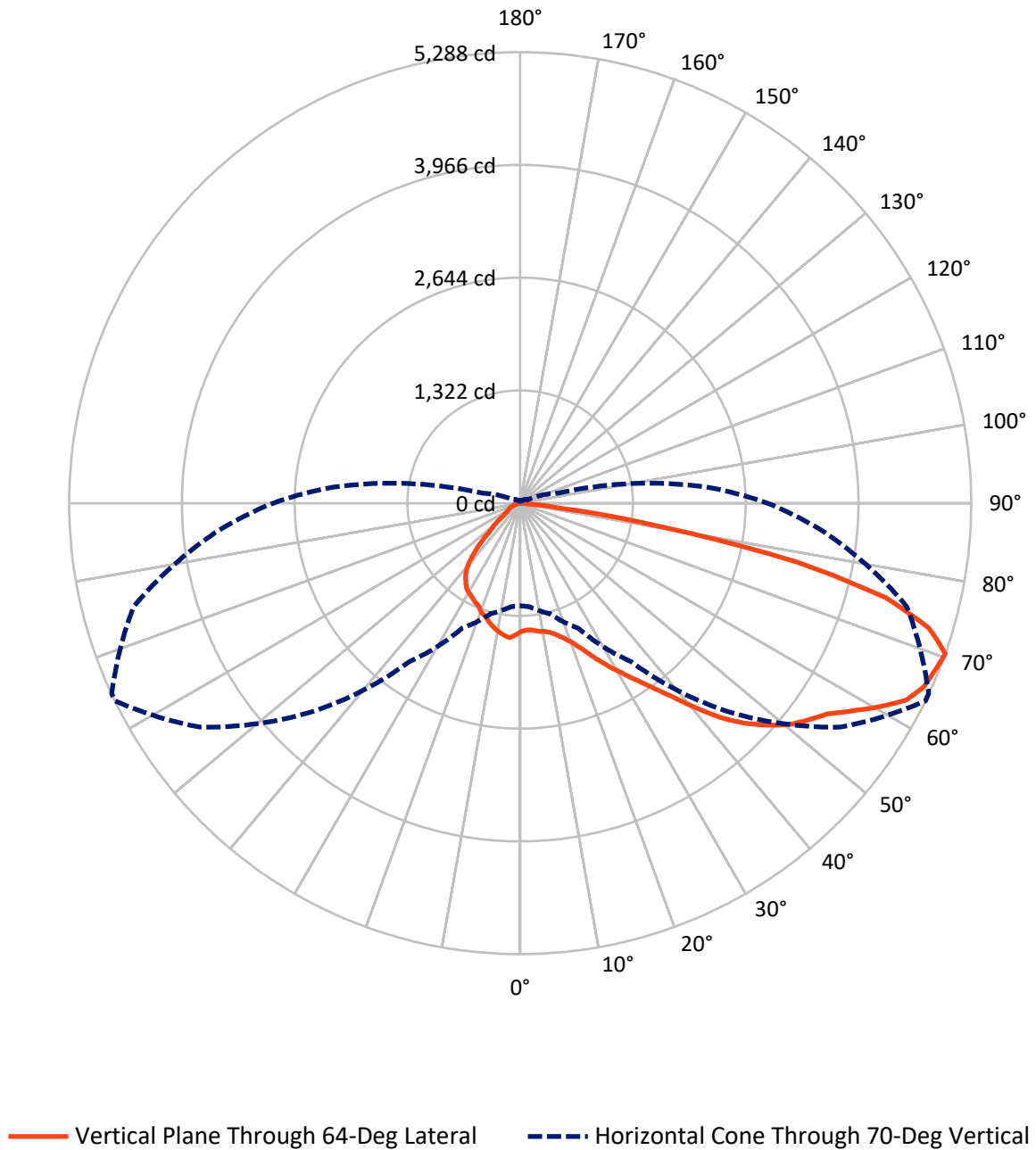


Based on 25 foot mounting height. Maximum calculated value = 2.6 fc  
 Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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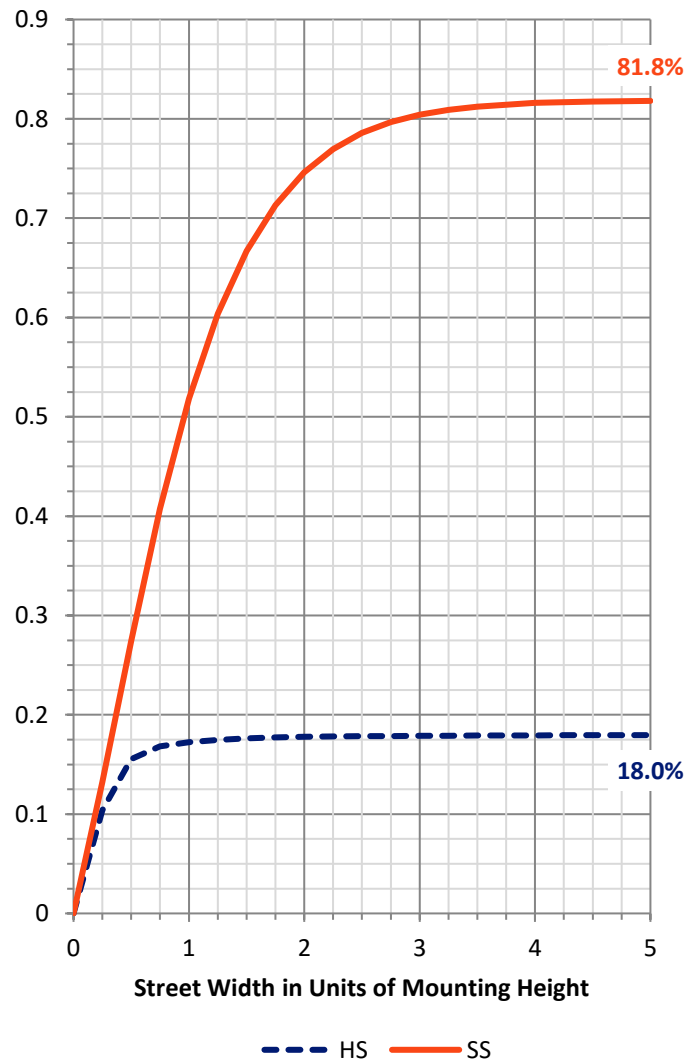
CATALOG NUMBER: CRTK2-C01H-D-U-T3-7040-U0-HSS-CRTK2

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1602.1   | 0.0    | 1602.1 |
|                    | % Fixture | 18.2     | 0.0    | 18.2   |
| <b>Street Side</b> | Lumens    | 7212.9   | 0.0    | 7212.9 |
|                    | % Fixture | 81.8     | 0.0    | 81.8   |
| <b>Total</b>       | Lumens    | 8815.0   | 0.0    | 8815.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 146.7  | 1.7       |
| 10°-20°   | 433.9  | 4.9       |
| 20°-30°   | 731.1  | 8.3       |
| 30°-40°   | 1076.0 | 12.2      |
| 40°-50°   | 1475.6 | 16.7      |
| 50°-60°   | 1795.4 | 20.4      |
| 60°-70°   | 1906.2 | 21.6      |
| 70°-80°   | 1168.5 | 13.3      |
| 80°-90°   | 81.5   | 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°    | 8815.0 | 100.0     |
| 0°-180°   | 8815.0 | 100.0     |

**Coefficient of Utilization**

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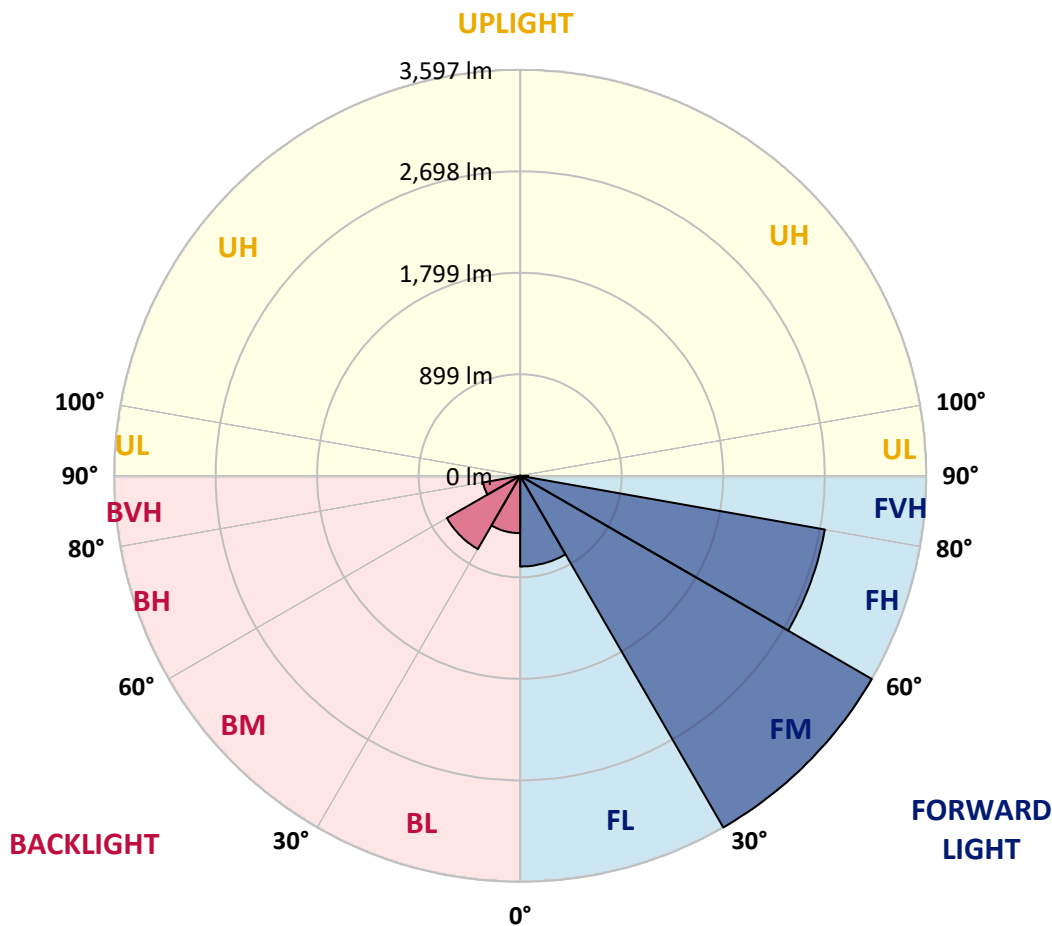
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 803.5  | 9.1       |                         |      |         |
| FM   | (30°-60°)   | 3597.1 | 40.8      |                         |      |         |
| FH   | (60°-80°)   | 2741.2 | 31.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 71.1   | 0.8       |                         |      | G1/100  |
| BL   | (0°-30°)    | 508.2  | 5.8       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 749.9  | 8.5       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 333.5  | 3.8       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 10.4   | 0.1       |                         |      | 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°    | 1505.2 | 1505.2 | 1505.2 | 1505.2 | 1505.2 | 1505.2 | 1505.2 | 1505.2 | 1505.2 | 1505.2 | 1505.2 |
| 2.5°  | 1489.0 | 1489.0 | 1492.2 | 1489.0 | 1495.5 | 1485.8 | 1489.0 | 1489.0 | 1489.0 | 1492.2 | 1501.9 |
| 5°    | 1534.2 | 1534.2 | 1527.8 | 1518.1 | 1508.4 | 1495.5 | 1495.5 | 1495.5 | 1495.5 | 1501.9 | 1524.5 |
| 7.5°  | 1563.3 | 1560.1 | 1560.1 | 1560.1 | 1550.4 | 1524.5 | 1518.1 | 1514.9 | 1514.9 | 1514.9 | 1537.5 |
| 10°   | 1634.4 | 1624.7 | 1611.8 | 1592.4 | 1582.7 | 1560.1 | 1534.2 | 1531.0 | 1531.0 | 1534.2 | 1563.3 |
| 12.5° | 1702.2 | 1692.5 | 1692.5 | 1679.6 | 1640.8 | 1615.0 | 1569.8 | 1553.6 | 1553.6 | 1560.1 | 1576.2 |
| 15°   | 1815.2 | 1805.6 | 1779.7 | 1757.1 | 1721.6 | 1676.4 | 1631.1 | 1602.1 | 1598.8 | 1611.8 | 1589.1 |
| 17.5° | 1896.0 | 1879.8 | 1883.1 | 1847.5 | 1818.5 | 1753.9 | 1708.7 | 1663.4 | 1663.4 | 1676.4 | 1631.1 |
| 20°   | 1973.5 | 1973.5 | 1976.7 | 1973.5 | 1925.1 | 1873.4 | 1799.1 | 1744.2 | 1747.4 | 1750.6 | 1679.6 |
| 22.5° | 2089.8 | 2086.6 | 2086.6 | 2089.8 | 2057.5 | 1999.3 | 1918.6 | 1857.2 | 1854.0 | 1828.2 | 1741.0 |
| 25°   | 2225.4 | 2219.0 | 2206.1 | 2219.0 | 2202.8 | 2135.0 | 2057.5 | 1996.1 | 1986.4 | 1950.9 | 1831.4 |
| 27.5° | 2338.5 | 2338.5 | 2338.5 | 2345.0 | 2345.0 | 2296.5 | 2209.3 | 2144.7 | 2151.2 | 2102.7 | 1938.0 |
| 30°   | 2419.2 | 2419.2 | 2448.3 | 2461.2 | 2470.9 | 2454.8 | 2361.1 | 2293.3 | 2306.2 | 2248.1 | 2070.4 |
| 32.5° | 2506.5 | 2503.2 | 2542.0 | 2571.1 | 2584.0 | 2590.4 | 2512.9 | 2458.0 | 2461.2 | 2409.6 | 2222.2 |
| 35°   | 2587.2 | 2580.7 | 2632.4 | 2693.8 | 2726.1 | 2719.6 | 2664.7 | 2645.3 | 2651.8 | 2635.7 | 2428.9 |
| 37.5° | 2645.3 | 2655.0 | 2722.9 | 2803.6 | 2855.3 | 2868.2 | 2832.7 | 2868.2 | 2903.7 | 2926.3 | 2697.0 |
| 40°   | 2709.9 | 2709.9 | 2774.5 | 2861.7 | 2942.5 | 2990.9 | 3016.8 | 3146.0 | 3175.1 | 3191.2 | 2855.3 |
| 42.5° | 2645.3 | 2668.0 | 2803.6 | 2929.6 | 3036.2 | 3110.5 | 3217.0 | 3433.5 | 3465.8 | 3365.6 | 3065.2 |
| 45°   | 2590.4 | 2609.8 | 2745.5 | 2958.6 | 3113.7 | 3259.0 | 3452.8 | 3678.9 | 3711.2 | 3540.0 | 3184.7 |
| 47.5° | 2535.5 | 2558.1 | 2700.3 | 2936.0 | 3184.7 | 3423.8 | 3643.4 | 3888.9 | 3905.0 | 3691.9 | 3343.0 |
| 50°   | 2474.2 | 2496.8 | 2645.3 | 2907.0 | 3226.7 | 3601.4 | 3830.7 | 4082.7 | 4085.9 | 3824.3 | 3423.8 |
| 52.5° | 2396.6 | 2425.7 | 2574.3 | 2865.0 | 3262.3 | 3720.9 | 3998.7 | 4224.8 | 4205.4 | 3985.8 | 3520.7 |
| 55°   | 2299.7 | 2332.0 | 2496.8 | 2810.1 | 3281.6 | 3798.4 | 4108.5 | 4363.7 | 4350.8 | 4173.1 | 3646.6 |
| 57.5° | 2189.9 | 2225.4 | 2396.6 | 2726.1 | 3275.2 | 3837.2 | 4221.6 | 4593.0 | 4599.5 | 4328.2 | 3740.3 |
| 60°   | 2063.9 | 2096.2 | 2257.7 | 2616.3 | 3191.2 | 3908.3 | 4463.8 | 4844.9 | 4867.6 | 4499.3 | 3779.1 |
| 62.5° | 1899.2 | 1928.3 | 2083.3 | 2454.8 | 3084.6 | 3959.9 | 4647.9 | 5084.0 | 5074.3 | 4615.6 | 3792.0 |
| 65°   | 1692.5 | 1724.8 | 1870.1 | 2241.6 | 2916.7 | 3927.6 | 4706.1 | 5197.0 | 5197.0 | 4699.6 | 3782.3 |
| 67.5° | 1482.6 | 1511.6 | 1634.4 | 1970.3 | 2645.3 | 3766.1 | 4670.5 | 5242.2 | 5271.3 | 4754.5 | 3695.1 |
| 70°   | 1201.5 | 1217.7 | 1340.4 | 1618.2 | 2267.4 | 3462.5 | 4580.1 | 5287.5 | 5284.2 | 4693.1 | 3530.4 |
| 72.5° | 881.8  | 901.2  | 1001.3 | 1214.5 | 1753.9 | 2997.4 | 4295.9 | 5012.9 | 4961.2 | 4363.7 | 3210.6 |
| 75°   | 455.4  | 474.8  | 552.3  | 762.3  | 1117.6 | 2115.6 | 3662.8 | 4428.3 | 4418.6 | 3863.0 | 2658.3 |
| 77.5° | 61.4   | 61.4   | 71.1   | 126.0  | 258.4  | 843.0  | 2399.9 | 3317.2 | 3297.8 | 2945.7 | 1931.5 |
| 80°   | 42.0   | 42.0   | 48.4   | 58.1   | 74.3   | 184.1  | 846.3  | 1682.8 | 1711.9 | 1518.1 | 865.6  |
| 82.5° | 32.3   | 29.1   | 35.5   | 42.0   | 45.2   | 84.0   | 258.4  | 465.1  | 471.6  | 423.1  | 264.9  |
| 85°   | 19.4   | 19.4   | 19.4   | 19.4   | 16.1   | 22.6   | 58.1   | 77.5   | 87.2   | 84.0   | 67.8   |
| 87.5° | 9.7    | 9.7    | 9.7    | 6.5    | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    |
| 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°    | 1505.2 | 1505.2 | 1505.2 | 1505.2 | 1505.2 | 1505.2 | 1505.2 | 1505.2 | 1505.2 | 1505.2 | 1505.2 |
| 2.5°  | 1505.2 | 1514.9 | 1527.8 | 1543.9 | 1560.1 | 1573.0 | 1585.9 | 1592.4 | 1598.8 | 1602.1 | 1605.3 |
| 5°    | 1531.0 | 1543.9 | 1560.1 | 1582.7 | 1582.7 | 1573.0 | 1566.5 | 1566.5 | 1573.0 | 1582.7 | 1585.9 |
| 7.5°  | 1556.8 | 1569.8 | 1563.3 | 1560.1 | 1563.3 | 1550.4 | 1534.2 | 1524.5 | 1518.1 | 1518.1 | 1524.5 |
| 10°   | 1566.5 | 1553.6 | 1547.2 | 1531.0 | 1498.7 | 1492.2 | 1479.3 | 1453.5 | 1447.0 | 1453.5 | 1430.9 |
| 12.5° | 1560.1 | 1550.4 | 1518.1 | 1492.2 | 1459.9 | 1405.0 | 1372.7 | 1372.7 | 1356.6 | 1353.4 | 1356.6 |
| 15°   | 1576.2 | 1543.9 | 1505.2 | 1450.3 | 1392.1 | 1346.9 | 1295.2 | 1250.0 | 1237.1 | 1240.3 | 1240.3 |
| 17.5° | 1589.1 | 1556.8 | 1479.3 | 1395.3 | 1343.7 | 1262.9 | 1204.8 | 1178.9 | 1156.3 | 1153.1 | 1153.1 |
| 20°   | 1618.2 | 1573.0 | 1463.2 | 1372.7 | 1243.5 | 1182.2 | 1117.6 | 1085.3 | 1049.7 | 1001.3 | 985.1  |
| 22.5° | 1663.4 | 1602.1 | 1453.5 | 1311.4 | 1198.3 | 1101.4 | 1007.7 | 910.9  | 852.7  | 814.0  | 823.6  |
| 25°   | 1724.8 | 1657.0 | 1463.2 | 1288.8 | 1130.5 | 1007.7 | 885.0  | 752.6  | 665.4  | 639.5  | 655.7  |
| 27.5° | 1834.6 | 1718.3 | 1492.2 | 1256.5 | 1082.0 | 897.9  | 713.8  | 597.5  | 516.8  | 491.0  | 500.6  |
| 30°   | 1934.7 | 1812.0 | 1495.5 | 1237.1 | 1004.5 | 768.7  | 562.0  | 432.8  | 368.2  | 329.5  | 319.8  |
| 32.5° | 2115.6 | 1912.1 | 1576.2 | 1211.2 | 923.8  | 626.6  | 413.4  | 287.5  | 229.3  | 206.7  | 200.3  |
| 35°   | 2293.3 | 2089.8 | 1598.8 | 1162.8 | 775.2  | 465.1  | 255.2  | 171.2  | 138.9  | 122.7  | 119.5  |
| 37.5° | 2538.8 | 2306.2 | 1692.5 | 1111.1 | 626.6  | 284.2  | 155.0  | 103.4  | 96.9   | 93.7   | 93.7   |
| 40°   | 2661.5 | 2419.2 | 1770.0 | 1036.8 | 439.3  | 161.5  | 100.1  | 90.4   | 87.2   | 84.0   | 84.0   |
| 42.5° | 2835.9 | 2548.4 | 1834.6 | 904.4  | 258.4  | 106.6  | 90.4   | 84.0   | 80.7   | 77.5   | 77.5   |
| 45°   | 2932.8 | 2616.3 | 1818.5 | 742.9  | 129.2  | 100.1  | 87.2   | 80.7   | 74.3   | 74.3   | 74.3   |
| 47.5° | 3062.0 | 2716.4 | 1776.5 | 549.1  | 116.3  | 96.9   | 84.0   | 77.5   | 74.3   | 77.5   | 74.3   |
| 50°   | 3184.7 | 2813.3 | 1660.2 | 436.0  | 113.0  | 93.7   | 84.0   | 74.3   | 74.3   | 74.3   | 74.3   |
| 52.5° | 3252.6 | 2903.7 | 1514.9 | 319.8  | 116.3  | 93.7   | 80.7   | 74.3   | 74.3   | 71.1   | 74.3   |
| 55°   | 3317.2 | 2916.7 | 1398.6 | 232.6  | 116.3  | 90.4   | 77.5   | 71.1   | 67.8   | 64.6   | 64.6   |
| 57.5° | 3362.4 | 2887.6 | 1304.9 | 193.8  | 116.3  | 90.4   | 74.3   | 67.8   | 58.1   | 54.9   | 54.9   |
| 60°   | 3349.5 | 2816.5 | 1227.4 | 177.6  | 109.8  | 84.0   | 67.8   | 58.1   | 51.7   | 45.2   | 45.2   |
| 62.5° | 3313.9 | 2774.5 | 1085.3 | 155.0  | 100.1  | 77.5   | 61.4   | 48.4   | 42.0   | 38.8   | 38.8   |
| 65°   | 3281.6 | 2642.1 | 920.5  | 138.9  | 93.7   | 67.8   | 51.7   | 42.0   | 35.5   | 32.3   | 32.3   |
| 67.5° | 3126.6 | 2467.7 | 684.8  | 119.5  | 84.0   | 61.4   | 45.2   | 38.8   | 32.3   | 29.1   | 25.8   |
| 70°   | 2897.3 | 2186.7 | 449.0  | 103.4  | 74.3   | 51.7   | 38.8   | 32.3   | 25.8   | 22.6   | 22.6   |
| 72.5° | 2506.5 | 1805.6 | 232.6  | 84.0   | 61.4   | 45.2   | 35.5   | 29.1   | 22.6   | 19.4   | 19.4   |
| 75°   | 2034.9 | 1327.5 | 138.9  | 64.6   | 48.4   | 38.8   | 29.1   | 22.6   | 19.4   | 16.1   | 16.1   |
| 77.5° | 1408.3 | 733.2  | 100.1  | 48.4   | 32.3   | 29.1   | 22.6   | 19.4   | 16.1   | 12.9   | 12.9   |
| 80°   | 474.8  | 200.3  | 71.1   | 35.5   | 22.6   | 22.6   | 16.1   | 12.9   | 12.9   | 9.7    | 9.7    |
| 82.5° | 187.3  | 122.7  | 48.4   | 25.8   | 19.4   | 16.1   | 12.9   | 9.7    | 9.7    | 9.7    | 9.7    |
| 85°   | 51.7   | 35.5   | 19.4   | 12.9   | 9.7    | 9.7    | 9.7    | 6.5    | 6.5    | 6.5    | 6.5    |
| 87.5° | 3.2    | 6.5    | 6.5    | 6.5    | 6.5    | 6.5    | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    |
| 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)