

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: P194360

Luminaire Tested: **GAN-AF-02-LED-U-RW-7060-1200**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P194360  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24166)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-AF-02-LED-U-RW-7060-1200  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 5700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13657 lumens  
Efficiency: N/A  
Efficacy: 105.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Medium - Full Cutoff  
BUG Rating: B3 - U0 - G2

Input Watts (W): 129  
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: 28.75 FT

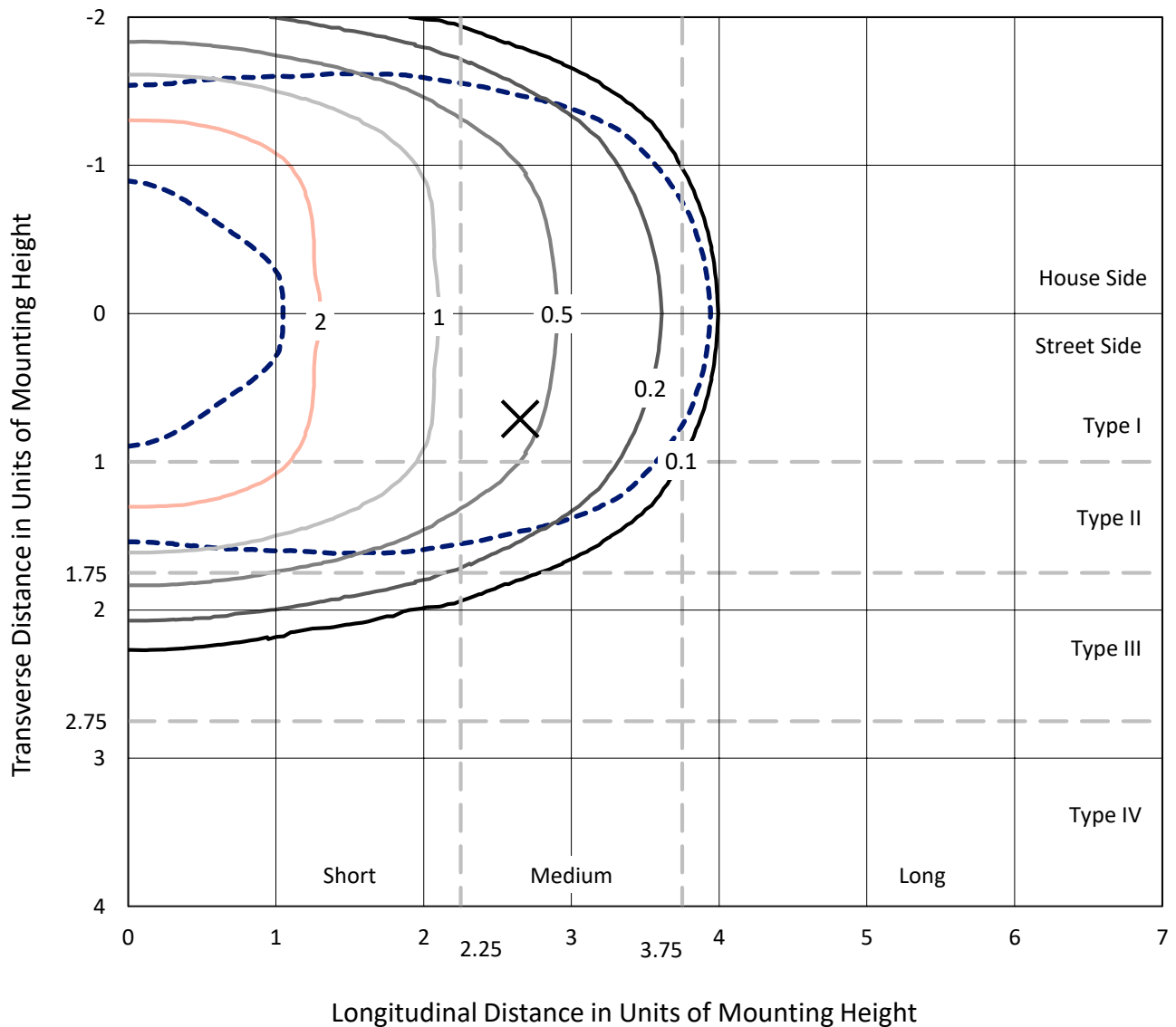


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

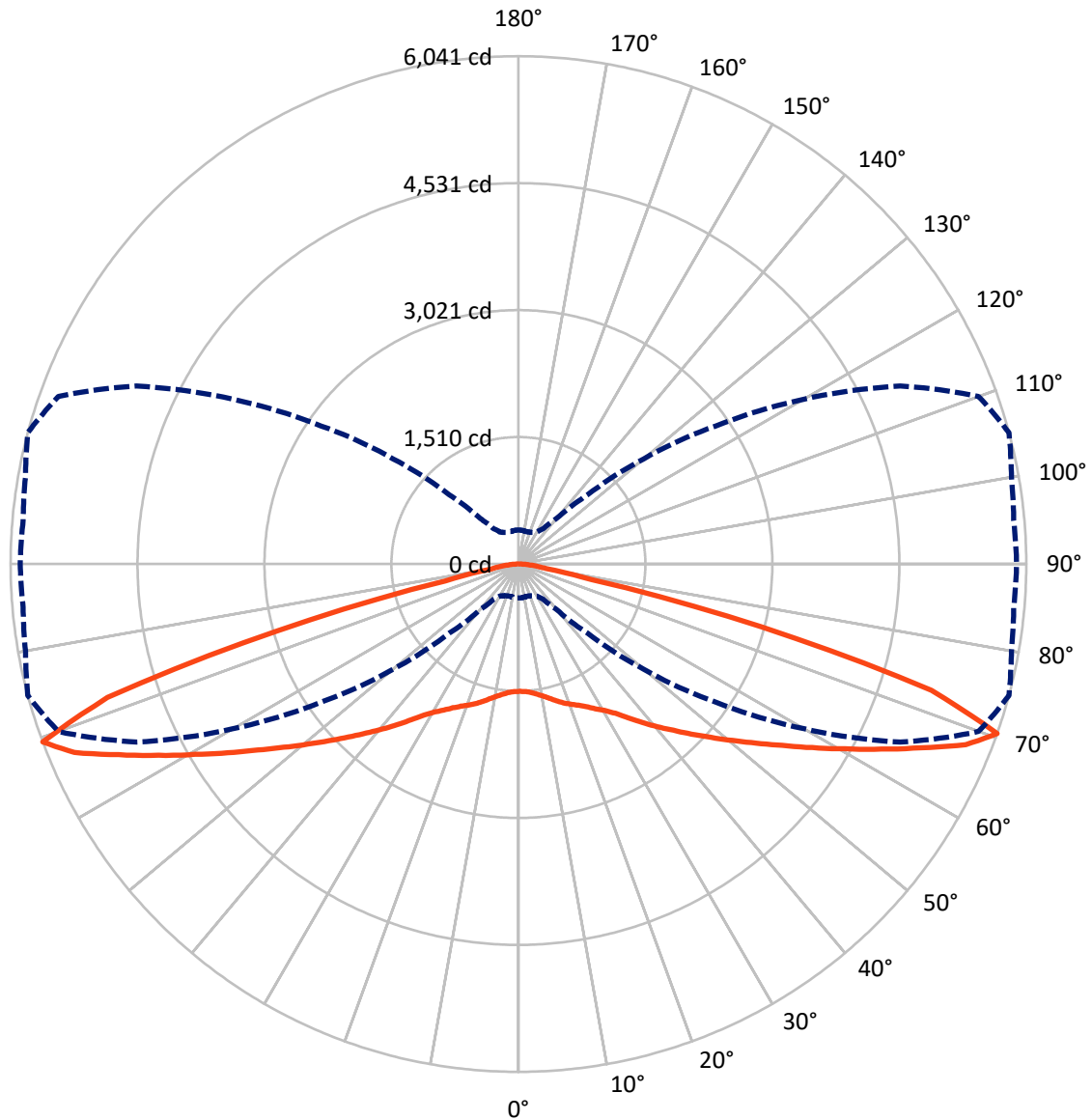


Based on 20 foot mounting height. Maximum calculated value = 3.8 fc  
 Type V - Medium - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6828.5   | 0.0    | 6828.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 6828.5   | 0.0    | 6828.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 13657.0  | 0.0    | 13657.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 145.3   | 1.1       |
| 10°-20°   | 451.4   | 3.3       |
| 20°-30°   | 849.7   | 6.2       |
| 30°-40°   | 1504.6  | 11.0      |
| 40°-50°   | 2516.2  | 18.4      |
| 50°-60°   | 3506.3  | 25.7      |
| 60°-70°   | 3251.5  | 23.8      |
| 70°-80°   | 1295.8  | 9.5       |
| 80°-90°   | 136.2   | 1.0       |
| 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°    | 13657.0 | 100.0     |
| 0°-180°   | 13657.0 | 100.0     |



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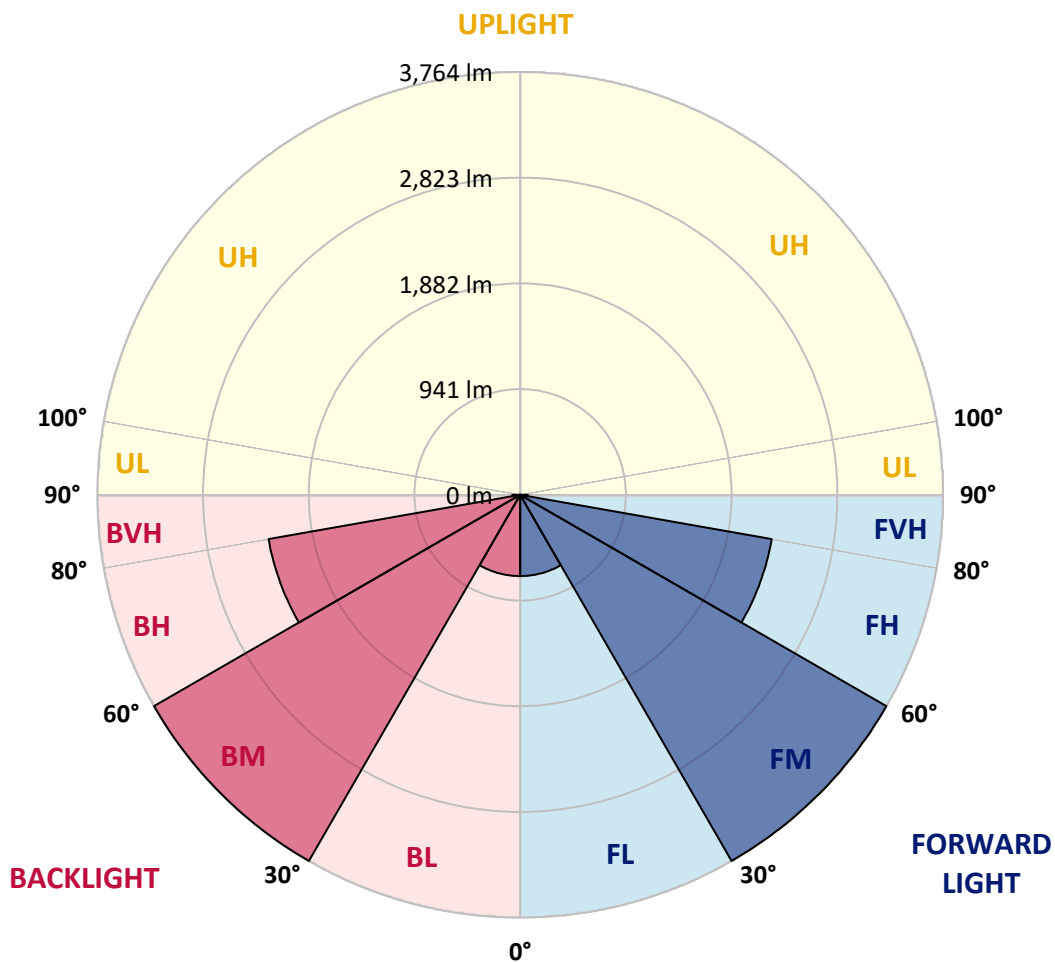
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 723.2  | 5.3       |                         |      |         |
| FM   | (30°-60°)   | 3763.5 | 27.6      |                         |      |         |
| FH   | (60°-80°)   | 2273.7 | 16.6      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 68.1   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 723.2  | 5.3       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 3763.5 | 27.6      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2273.7 | 16.6      | B3/2500                 |      | G2/5000 |
| BVH  | (80°-90°)   | 68.1   | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G2**

Type V Medium





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1514.9 | 1514.9 | 1514.9 | 1514.9 | 1514.9 | 1514.9 | 1514.9 | 1514.9 | 1514.9 | 1514.9 | 1514.9 |
| 2.5°  | 1512.3 | 1511.0 | 1512.3 | 1511.7 | 1512.9 | 1512.9 | 1514.2 | 1516.8 | 1516.8 | 1518.8 | 1518.1 |
| 5°    | 1497.5 | 1496.8 | 1498.7 | 1500.7 | 1502.6 | 1506.5 | 1510.4 | 1516.2 | 1520.7 | 1523.9 | 1527.1 |
| 7.5°  | 1468.4 | 1468.4 | 1471.0 | 1475.5 | 1480.0 | 1488.4 | 1497.5 | 1509.1 | 1520.7 | 1530.4 | 1538.8 |
| 10°   | 1444.5 | 1445.8 | 1449.0 | 1456.8 | 1464.5 | 1477.4 | 1489.7 | 1506.5 | 1522.6 | 1538.8 | 1551.7 |
| 12.5° | 1430.3 | 1432.3 | 1438.1 | 1449.7 | 1462.6 | 1480.0 | 1498.7 | 1520.0 | 1538.1 | 1557.5 | 1570.4 |
| 15°   | 1434.8 | 1436.1 | 1444.5 | 1458.7 | 1475.5 | 1497.5 | 1522.6 | 1547.8 | 1569.1 | 1589.8 | 1607.2 |
| 17.5° | 1460.0 | 1462.0 | 1471.6 | 1487.8 | 1505.2 | 1531.0 | 1558.1 | 1586.5 | 1613.0 | 1636.2 | 1657.5 |
| 20°   | 1505.2 | 1507.1 | 1519.4 | 1536.8 | 1557.5 | 1583.9 | 1611.1 | 1640.7 | 1670.4 | 1695.0 | 1718.8 |
| 22.5° | 1569.1 | 1572.3 | 1583.9 | 1601.4 | 1624.6 | 1653.0 | 1685.3 | 1716.9 | 1745.3 | 1767.9 | 1789.2 |
| 25°   | 1653.0 | 1660.1 | 1671.1 | 1690.4 | 1715.0 | 1740.8 | 1775.6 | 1807.9 | 1835.0 | 1856.3 | 1871.8 |
| 27.5° | 1771.8 | 1781.5 | 1789.8 | 1808.6 | 1832.4 | 1857.0 | 1891.8 | 1920.2 | 1946.0 | 1966.7 | 1978.3 |
| 30°   | 1929.3 | 1938.9 | 1947.3 | 1965.4 | 1987.4 | 2010.6 | 2043.5 | 2068.7 | 2084.8 | 2101.0 | 2100.3 |
| 32.5° | 2120.3 | 2130.6 | 2133.9 | 2153.2 | 2175.8 | 2201.0 | 2230.7 | 2244.9 | 2257.8 | 2259.7 | 2248.1 |
| 35°   | 2334.0 | 2339.1 | 2352.0 | 2377.9 | 2403.7 | 2424.3 | 2452.7 | 2459.8 | 2459.8 | 2450.1 | 2424.3 |
| 37.5° | 2568.3 | 2571.5 | 2589.6 | 2618.6 | 2645.1 | 2666.4 | 2685.7 | 2699.9 | 2692.8 | 2672.2 | 2628.9 |
| 40°   | 2825.2 | 2831.0 | 2856.8 | 2882.6 | 2912.3 | 2932.3 | 2953.0 | 2955.5 | 2948.4 | 2918.1 | 2859.4 |
| 42.5° | 3070.4 | 3075.6 | 3101.4 | 3142.1 | 3180.8 | 3208.5 | 3227.9 | 3231.8 | 3209.2 | 3181.4 | 3108.5 |
| 45°   | 3281.5 | 3295.0 | 3328.6 | 3376.4 | 3432.5 | 3471.9 | 3498.4 | 3509.3 | 3489.3 | 3453.2 | 3368.6 |
| 47.5° | 3448.7 | 3462.2 | 3510.0 | 3566.8 | 3636.5 | 3700.4 | 3744.3 | 3767.5 | 3762.3 | 3735.2 | 3642.9 |
| 50°   | 3571.3 | 3584.2 | 3635.8 | 3705.5 | 3786.9 | 3866.3 | 3941.1 | 3996.6 | 4016.0 | 4003.7 | 3919.2 |
| 52.5° | 3585.5 | 3606.8 | 3667.5 | 3761.1 | 3866.9 | 3975.3 | 4081.8 | 4176.1 | 4240.0 | 4249.7 | 4187.1 |
| 55°   | 3387.3 | 3408.6 | 3492.5 | 3631.3 | 3788.8 | 3965.7 | 4136.1 | 4294.8 | 4420.7 | 4485.3 | 4452.3 |
| 57.5° | 2920.0 | 2958.1 | 3046.5 | 3209.2 | 3440.9 | 3705.5 | 3977.3 | 4259.3 | 4515.6 | 4686.6 | 4719.6 |
| 60°   | 2237.8 | 2283.0 | 2372.0 | 2545.0 | 2803.2 | 3118.8 | 3481.6 | 3898.5 | 4351.0 | 4735.7 | 4965.5 |
| 62.5° | 1435.5 | 1478.1 | 1571.7 | 1722.1 | 1932.5 | 2274.6 | 2663.8 | 3158.8 | 3766.9 | 4374.2 | 4921.6 |
| 65°   | 737.8  | 761.0  | 810.0  | 901.1  | 1065.0 | 1320.6 | 1669.8 | 2163.6 | 2858.7 | 3608.1 | 4399.4 |
| 67.5° | 467.3  | 471.8  | 482.8  | 495.7  | 537.7  | 626.1  | 788.7  | 1096.6 | 1668.5 | 2450.1 | 3376.4 |
| 70°   | 404.1  | 404.1  | 398.9  | 397.0  | 402.1  | 414.4  | 439.6  | 511.2  | 704.2  | 1163.1 | 1947.3 |
| 72.5° | 369.8  | 366.0  | 356.9  | 349.8  | 348.5  | 348.5  | 353.7  | 364.7  | 395.7  | 473.8  | 762.3  |
| 75°   | 340.8  | 329.8  | 317.6  | 309.2  | 305.9  | 302.7  | 302.1  | 304.0  | 310.5  | 322.7  | 364.0  |
| 77.5° | 305.3  | 291.1  | 276.9  | 268.5  | 264.6  | 260.1  | 256.2  | 251.7  | 248.5  | 252.4  | 270.4  |
| 80°   | 262.7  | 246.6  | 235.6  | 230.4  | 226.6  | 220.1  | 211.7  | 204.0  | 196.9  | 195.6  | 206.5  |
| 82.5° | 211.7  | 193.0  | 193.6  | 195.6  | 188.5  | 179.4  | 170.4  | 162.0  | 149.7  | 143.3  | 149.7  |
| 85°   | 171.0  | 161.4  | 156.8  | 169.1  | 158.8  | 145.2  | 131.0  | 116.2  | 96.8   | 81.3   | 88.4   |
| 87.5° | 66.5   | 66.5   | 99.4   | 153.0  | 137.5  | 112.3  | 96.2   | 82.0   | 51.0   | 39.4   | 40.0   |
| 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):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1514.9 | 1514.9 | 1514.9 | 1514.9 | 1514.9 | 1514.9 | 1514.9 | 1514.9 |
| 2.5°  | 1517.5 | 1518.8 | 1518.1 | 1517.5 | 1517.5 | 1516.8 | 1517.5 | 1517.5 |
| 5°    | 1529.1 | 1532.3 | 1532.3 | 1533.6 | 1533.6 | 1534.2 | 1534.9 | 1534.2 |
| 7.5°  | 1546.5 | 1552.3 | 1556.2 | 1560.7 | 1561.4 | 1562.0 | 1563.3 | 1562.0 |
| 10°   | 1563.9 | 1575.6 | 1583.9 | 1592.3 | 1596.2 | 1597.5 | 1598.8 | 1598.8 |
| 12.5° | 1585.9 | 1602.0 | 1616.9 | 1631.7 | 1638.8 | 1642.7 | 1642.7 | 1645.3 |
| 15°   | 1622.0 | 1638.2 | 1655.6 | 1675.6 | 1687.9 | 1694.3 | 1696.3 | 1696.3 |
| 17.5° | 1673.0 | 1687.2 | 1702.1 | 1721.4 | 1736.9 | 1745.3 | 1747.2 | 1746.6 |
| 20°   | 1732.4 | 1746.0 | 1754.3 | 1766.6 | 1780.2 | 1789.8 | 1792.4 | 1792.4 |
| 22.5° | 1800.2 | 1807.9 | 1809.2 | 1813.1 | 1824.1 | 1837.0 | 1842.8 | 1844.1 |
| 25°   | 1875.0 | 1877.0 | 1871.8 | 1871.8 | 1878.9 | 1891.2 | 1897.0 | 1897.6 |
| 27.5° | 1971.9 | 1962.2 | 1949.3 | 1944.8 | 1949.3 | 1963.5 | 1970.6 | 1973.2 |
| 30°   | 2092.6 | 2069.3 | 2039.6 | 2023.5 | 2020.9 | 2039.6 | 2052.5 | 2054.5 |
| 32.5° | 2230.7 | 2197.1 | 2157.8 | 2124.8 | 2116.4 | 2128.1 | 2143.6 | 2142.9 |
| 35°   | 2394.6 | 2354.6 | 2306.9 | 2264.9 | 2245.5 | 2257.2 | 2279.1 | 2281.7 |
| 37.5° | 2583.8 | 2531.5 | 2476.6 | 2423.7 | 2393.3 | 2396.6 | 2419.8 | 2427.6 |
| 40°   | 2794.8 | 2727.0 | 2658.0 | 2587.0 | 2543.7 | 2535.3 | 2563.7 | 2568.3 |
| 42.5° | 3020.7 | 2933.6 | 2846.5 | 2758.7 | 2703.2 | 2690.3 | 2723.2 | 2721.2 |
| 45°   | 3261.5 | 3150.5 | 3048.5 | 2951.7 | 2885.8 | 2866.5 | 2893.6 | 2893.6 |
| 47.5° | 3520.3 | 3383.5 | 3262.1 | 3152.4 | 3080.7 | 3053.0 | 3078.8 | 3080.7 |
| 50°   | 3794.6 | 3649.4 | 3506.7 | 3384.8 | 3298.9 | 3263.4 | 3297.0 | 3302.1 |
| 52.5° | 4067.6 | 3926.3 | 3782.4 | 3642.9 | 3539.0 | 3495.8 | 3534.5 | 3551.3 |
| 55°   | 4344.5 | 4205.8 | 4068.3 | 3932.1 | 3808.8 | 3757.8 | 3799.1 | 3820.4 |
| 57.5° | 4636.9 | 4508.5 | 4377.5 | 4240.0 | 4121.2 | 4041.8 | 4085.7 | 4114.1 |
| 60°   | 4979.7 | 4869.9 | 4733.8 | 4582.1 | 4462.0 | 4381.3 | 4406.5 | 4431.7 |
| 62.5° | 5250.8 | 5293.4 | 5177.8 | 5002.3 | 4848.0 | 4744.7 | 4769.3 | 4795.7 |
| 65°   | 5119.7 | 5556.7 | 5659.3 | 5481.8 | 5268.2 | 5107.5 | 5097.1 | 5110.7 |
| 67.5° | 4279.4 | 5128.1 | 5747.1 | 5916.2 | 5737.4 | 5514.1 | 5472.8 | 5492.8 |
| 70°   | 2862.6 | 3919.8 | 5011.9 | 5825.2 | 6041.4 | 5955.0 | 5914.3 | 5926.6 |
| 72.5° | 1374.8 | 2283.0 | 3400.2 | 4481.4 | 5139.7 | 5441.8 | 5538.6 | 5585.8 |
| 75°   | 502.8  | 906.2  | 1638.8 | 2469.5 | 2981.4 | 3451.2 | 3757.8 | 3883.0 |
| 77.5° | 303.4  | 366.0  | 523.5  | 788.1  | 892.7  | 999.2  | 957.9  | 978.5  |
| 80°   | 224.6  | 253.7  | 287.2  | 322.7  | 334.3  | 334.3  | 321.4  | 311.1  |
| 82.5° | 157.5  | 176.2  | 192.3  | 211.7  | 216.9  | 207.2  | 170.4  | 135.5  |
| 85°   | 101.3  | 109.7  | 116.8  | 129.1  | 125.9  | 120.1  | 80.7   | 71.6   |
| 87.5° | 46.5   | 52.9   | 55.5   | 61.3   | 58.7   | 56.2   | 40.0   | 33.6   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)