

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: P232916

Luminaire Tested: **UFLD-C70-X-U-66-7060**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P232916  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1708-236-5)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: UFLD-C70-X-U-66-7060  
Description: LED FLOOD LIGHT LUMINAIRE  
Light Source: (2) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23342.7 lumens  
Efficiency: N/A  
Efficacy: 126.9 lumens/watt  
Luminous Opening: (L: 0 ' x W: 1 ' x H: 0 '  
IES Classification: Type I - Short - Full Cutoff  
BUG Rating: B4 - U0 - G2

Input Watts (W): 184  
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

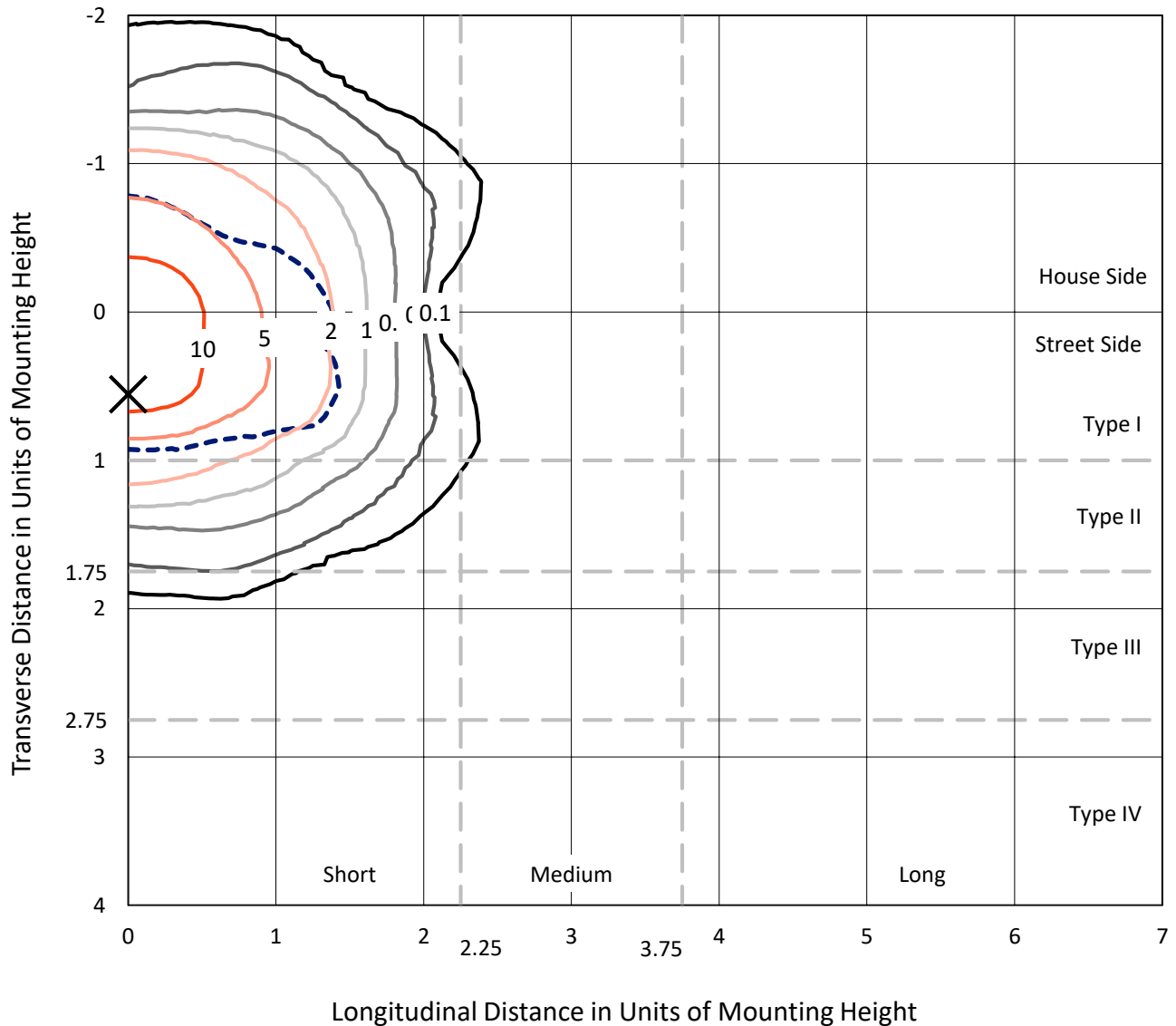


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

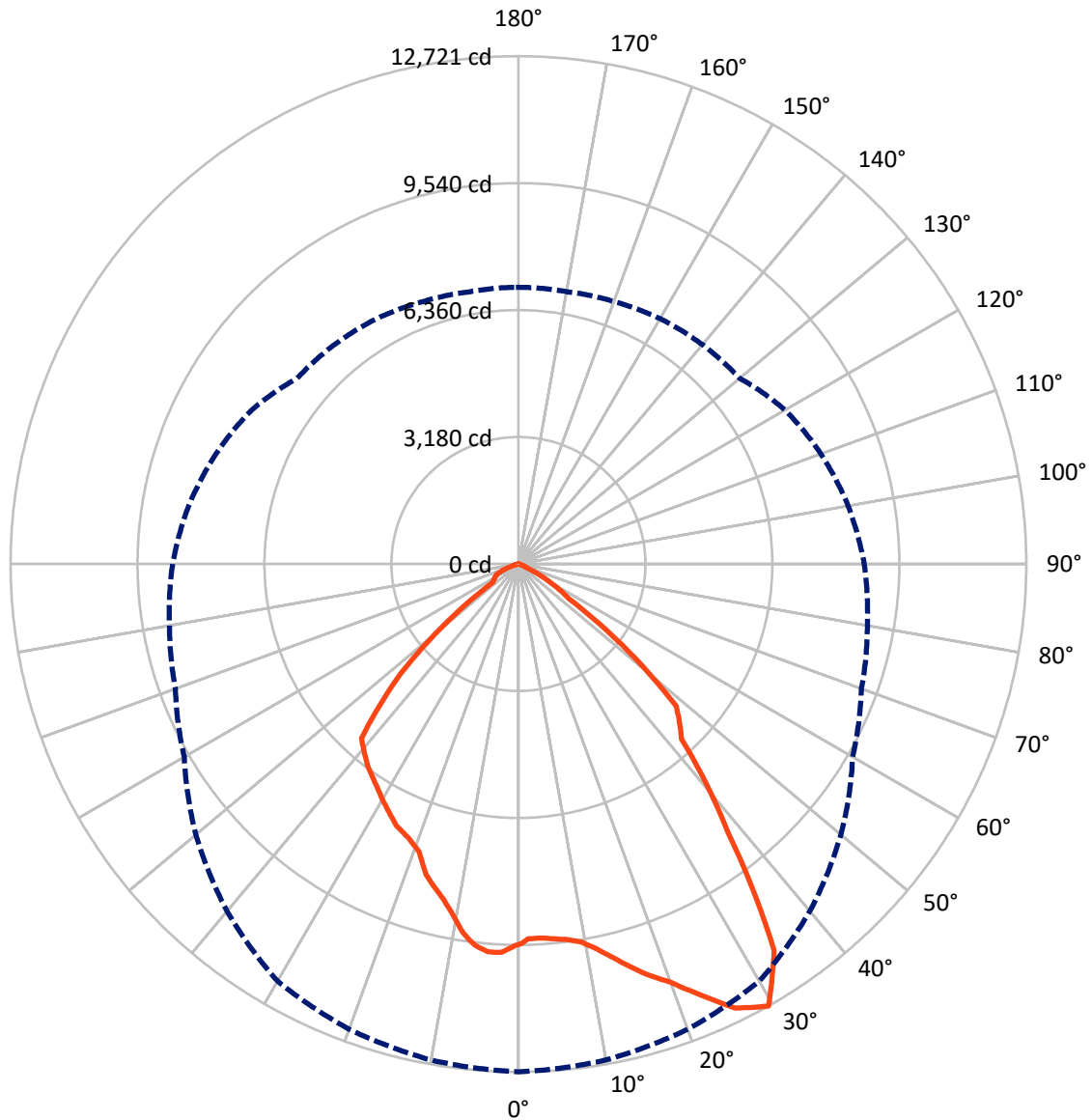


Based on 25 foot mounting height. Maximum calculated value = 15.2 fc  
 Type I - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 29-Deg Vertical

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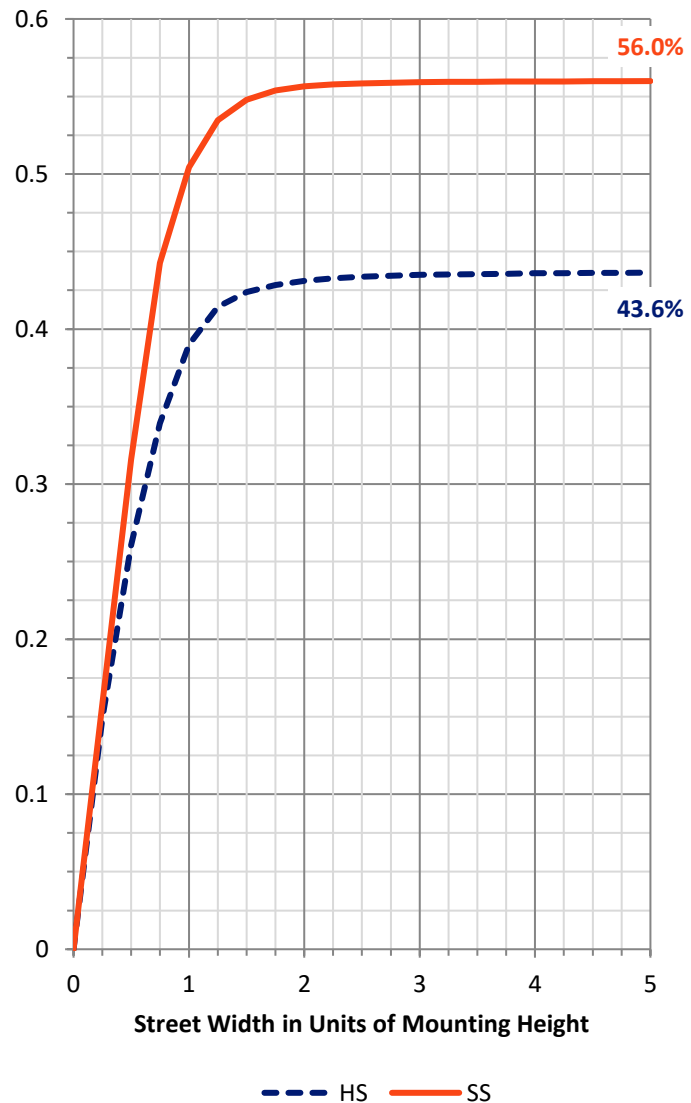
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 10275.5  | 0.0    | 10275.5 |
|                    | % Fixture | 44.0     | 0.0    | 44.0    |
| <b>Street Side</b> | Lumens    | 13067.2  | 0.0    | 13067.2 |
|                    | % Fixture | 56.0     | 0.0    | 56.0    |
| <b>Total</b>       | Lumens    | 23342.7  | 0.0    | 23342.7 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 908.6   | 3.9       |
| 10°-20°   | 2648.6  | 11.3      |
| 20°-30°   | 4269.7  | 18.3      |
| 30°-40°   | 5270.8  | 22.6      |
| 40°-50°   | 5149.0  | 22.1      |
| 50°-60°   | 3579.5  | 15.3      |
| 60°-70°   | 1493.8  | 6.4       |
| 70°-80°   | 319.6   | 1.4       |
| 80°-90°   | 42.6    | 0.2       |
| 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°    | 23342.7 | 100.0     |
| 0°-180°   | 23342.7 | 100.0     |



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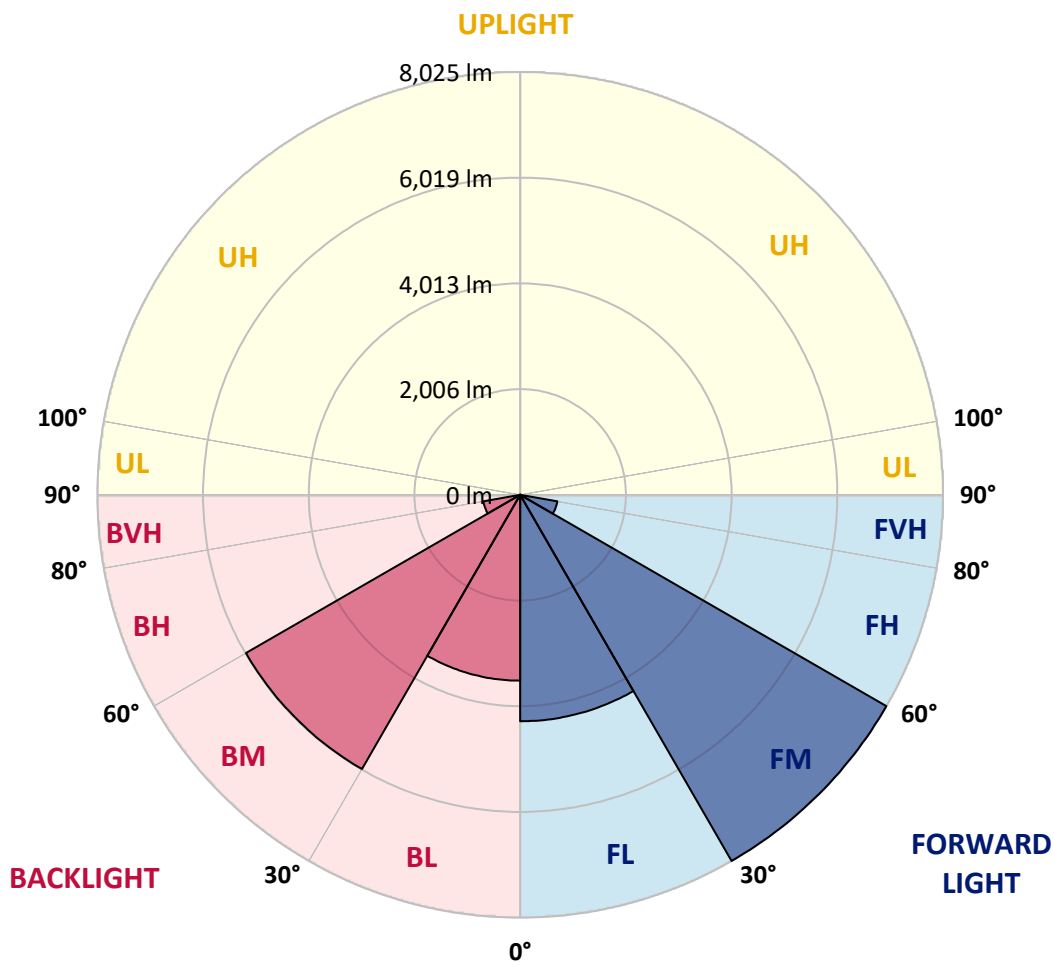
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 4298.4 | 18.4      |                         |      |         |
| FM   | (30°-60°)   | 8025.1 | 34.4      |                         |      |         |
| FH   | (60°-80°)   | 715.7  | 3.1       |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 17.4   | 0.1       |                         |      | G1/100  |
| BL   | (0°-30°)    | 3526.7 | 15.1      | B4/5000                 |      |         |
| BM   | (30°-60°)   | 6008.6 | 25.7      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 709.4  | 3.0       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 22.2   | 0.1       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G2**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 10°     | 20°     | 30°     | 40°     | 50°     | 60°    | 70°    | 80°    | 90°    | 100°   |
|-------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|
| 0°    | 9505.0  | 9505.0  | 9505.0  | 9505.0  | 9505.0  | 9505.0  | 9505.0 | 9505.0 | 9505.0 | 9505.0 | 9505.0 |
| 1°    | 9389.6  | 9395.5  | 9404.1  | 9414.9  | 9427.1  | 9440.1  | 9453.6 | 9467.3 | 9481.2 | 9495.3 | 9508.6 |
| 3°    | 9383.8  | 9392.1  | 9400.4  | 9399.3  | 9399.8  | 9401.9  | 9405.7 | 9410.8 | 9459.5 | 9512.7 | 9551.3 |
| 5°    | 9430.3  | 9422.5  | 9414.5  | 9405.1  | 9395.5  | 9390.1  | 9400.6 | 9421.4 | 9449.8 | 9504.0 | 9583.2 |
| 7°    | 9489.4  | 9490.2  | 9475.9  | 9450.7  | 9414.6  | 9391.7  | 9381.6 | 9395.0 | 9442.0 | 9531.2 | 9610.3 |
| 9°    | 9602.0  | 9596.8  | 9561.9  | 9528.3  | 9472.7  | 9418.9  | 9377.8 | 9369.4 | 9443.6 | 9525.4 | 9601.2 |
| 11°   | 9834.8  | 9802.5  | 9737.5  | 9637.5  | 9523.5  | 9450.1  | 9385.5 | 9365.4 | 9421.2 | 9511.8 | 9569.9 |
| 13°   | 10134.5 | 10085.1 | 9975.6  | 9806.1  | 9633.7  | 9476.8  | 9391.2 | 9365.1 | 9433.5 | 9535.0 | 9532.5 |
| 15°   | 10461.4 | 10402.0 | 10252.3 | 10041.6 | 9797.3  | 9553.6  | 9419.1 | 9375.7 | 9456.0 | 9544.8 | 9475.0 |
| 17°   | 10793.2 | 10711.0 | 10556.7 | 10301.6 | 9975.1  | 9664.4  | 9443.7 | 9412.0 | 9502.6 | 9664.1 | 9388.4 |
| 19.5° | 11148.1 | 11088.6 | 10921.3 | 10632.1 | 10255.7 | 9855.0  | 9519.7 | 9419.4 | 9491.8 | 9747.5 | 9275.3 |
| 22.5° | 11731.1 | 11612.2 | 11369.4 | 11010.0 | 10586.0 | 10084.6 | 9608.9 | 9350.5 | 9352.9 | 9378.0 | 9024.4 |
| 25.5° | 12374.3 | 12211.0 | 11917.2 | 11455.6 | 10976.1 | 10354.2 | 9665.0 | 9224.7 | 9159.2 | 9049.0 | 8744.5 |
| 29°   | 12720.5 | 12614.5 | 12398.3 | 12064.4 | 11353.2 | 10544.7 | 9665.7 | 9143.0 | 8875.4 | 8661.1 | 8385.8 |
| 33°   | 11604.1 | 11684.6 | 11921.0 | 12267.5 | 11662.5 | 10590.6 | 9675.4 | 9139.4 | 8522.6 | 8089.8 | 7851.9 |
| 37.5° | 8520.4  | 8755.7  | 9541.2  | 10749.5 | 11239.3 | 10727.8 | 9704.5 | 9154.6 | 8263.6 | 7809.4 | 7423.6 |
| 42.5° | 5992.7  | 6205.8  | 6760.6  | 7542.3  | 8955.3  | 10138.2 | 9849.9 | 9143.4 | 7979.3 | 7611.6 | 7204.8 |
| 47.5° | 5317.5  | 5278.1  | 5368.8  | 5419.1  | 6178.0  | 8094.6  | 9710.0 | 8948.7 | 7496.1 | 7169.2 | 6920.9 |
| 55°   | 1526.8  | 1826.2  | 2459.9  | 3106.1  | 4011.9  | 4508.1  | 6981.8 | 7077.7 | 5920.6 | 6145.9 | 5784.4 |
| 65°   | 243.5   | 263.5   | 546.2   | 550.0   | 789.3   | 1272.6  | 1607.9 | 1857.6 | 1144.0 | 342.4  | 1140.0 |
| 75°   | 37.9    | 43.9    | 70.2    | 60.0    | 65.3    | 55.5    | 93.6   | 117.2  | 124.9  | 213.4  | 183.7  |
| 85°   | 7.7     | 30.1    | 31.9    | 29.4    | 31.3    | 31.0    | 37.2   | 44.0   | 44.8   | 48.5   | 46.6   |
| 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):**

|       | 110°   | 120°   | 130°   | 140°   | 150°   | 160°   | 170°   | 180°   | 190°   | 200°   | 210°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 9505.0 | 9505.0 | 9505.0 | 9505.0 | 9505.0 | 9505.0 | 9505.0 | 9505.0 | 9505.0 | 9505.0 | 9505.0 |
| 1°    | 9521.5 | 9533.0 | 9542.6 | 9549.8 | 9554.3 | 9556.3 | 9555.9 | 9553.5 | 9555.9 | 9556.3 | 9554.3 |
| 3°    | 9587.8 | 9618.0 | 9647.9 | 9677.3 | 9705.3 | 9730.4 | 9738.7 | 9738.7 | 9738.7 | 9730.4 | 9705.3 |
| 5°    | 9634.5 | 9679.7 | 9710.4 | 9719.1 | 9729.2 | 9732.1 | 9732.4 | 9743.6 | 9732.4 | 9732.1 | 9729.2 |
| 7°    | 9659.6 | 9683.8 | 9686.0 | 9674.1 | 9639.4 | 9614.7 | 9609.9 | 9612.7 | 9609.9 | 9614.7 | 9639.4 |
| 9°    | 9641.5 | 9617.9 | 9568.0 | 9519.2 | 9436.8 | 9371.9 | 9345.1 | 9351.7 | 9345.1 | 9371.9 | 9436.8 |
| 11°   | 9562.2 | 9485.4 | 9375.1 | 9243.4 | 9130.7 | 9015.0 | 8938.6 | 8949.2 | 8938.6 | 9015.0 | 9130.7 |
| 13°   | 9460.3 | 9286.0 | 9089.0 | 8927.6 | 8779.6 | 8695.9 | 8627.3 | 8618.4 | 8627.3 | 8695.9 | 8779.6 |
| 15°   | 9319.6 | 9051.7 | 8835.3 | 8674.4 | 8529.0 | 8436.0 | 8374.9 | 8368.1 | 8374.9 | 8436.0 | 8529.0 |
| 17°   | 9153.9 | 8840.2 | 8629.3 | 8476.0 | 8334.8 | 8202.1 | 8132.0 | 8124.7 | 8132.0 | 8202.1 | 8334.8 |
| 19.5° | 8967.7 | 8674.4 | 8455.2 | 8250.9 | 8049.1 | 7803.3 | 7656.5 | 7627.0 | 7656.5 | 7803.3 | 8049.1 |
| 22.5° | 8746.5 | 8503.5 | 8221.6 | 7876.1 | 7552.3 | 7462.8 | 7410.1 | 7382.6 | 7410.1 | 7462.8 | 7552.3 |
| 25.5° | 8474.0 | 8197.7 | 7867.1 | 7457.5 | 7345.8 | 7282.2 | 7230.5 | 7228.4 | 7230.5 | 7282.2 | 7345.8 |
| 29°   | 8061.7 | 7714.9 | 7234.9 | 7170.3 | 7097.6 | 6994.6 | 6927.6 | 6931.5 | 6927.6 | 6994.6 | 7097.6 |
| 33°   | 7550.0 | 7115.7 | 6805.2 | 6792.4 | 6683.2 | 6606.5 | 6590.8 | 6602.7 | 6590.8 | 6606.5 | 6683.2 |
| 37.5° | 7063.5 | 6620.7 | 6392.6 | 6258.8 | 6208.8 | 6247.0 | 6274.4 | 6285.5 | 6274.4 | 6247.0 | 6208.8 |
| 42.5° | 6673.2 | 6262.6 | 5890.6 | 5748.1 | 5791.7 | 5806.8 | 5853.8 | 5872.3 | 5853.8 | 5806.8 | 5791.7 |
| 47.5° | 6382.3 | 5955.4 | 5376.8 | 5272.5 | 5113.4 | 4535.1 | 4154.9 | 4029.4 | 4154.9 | 4535.1 | 5113.4 |
| 55°   | 5413.2 | 5292.6 | 4540.7 | 3472.4 | 2404.1 | 1545.9 | 1035.1 | 780.9  | 1035.1 | 1545.9 | 2404.1 |
| 65°   | 1868.0 | 1401.5 | 868.3  | 654.7  | 761.6  | 648.5  | 597.2  | 596.5  | 597.2  | 648.5  | 761.6  |
| 75°   | 223.6  | 163.2  | 166.6  | 138.8  | 178.0  | 147.3  | 101.4  | 86.3   | 101.4  | 147.3  | 178.0  |
| 85°   | 40.8   | 36.3   | 36.6   | 32.1   | 28.8   | 28.6   | 21.3   | 1.0    | 21.3   | 28.6   | 28.8   |
| 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):**

|       | 220°   | 230°   | 240°   | 250°   | 260°   | 270°   | 280°   | 290°   | 300°   | 310°    | 320°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0°    | 9505.0 | 9505.0 | 9505.0 | 9505.0 | 9505.0 | 9505.0 | 9505.0 | 9505.0 | 9505.0 | 9505.0  | 9505.0  |
| 1°    | 9549.8 | 9542.6 | 9533.0 | 9521.5 | 9508.6 | 9495.3 | 9481.2 | 9467.3 | 9453.6 | 9440.1  | 9427.1  |
| 3°    | 9677.3 | 9647.9 | 9618.0 | 9587.8 | 9551.3 | 9512.7 | 9459.5 | 9410.8 | 9405.7 | 9401.9  | 9399.8  |
| 5°    | 9719.1 | 9710.4 | 9679.7 | 9634.5 | 9583.2 | 9504.0 | 9449.8 | 9421.4 | 9400.6 | 9390.1  | 9395.5  |
| 7°    | 9674.1 | 9686.0 | 9683.8 | 9659.6 | 9610.3 | 9531.2 | 9442.0 | 9395.0 | 9381.6 | 9391.7  | 9414.6  |
| 9°    | 9519.2 | 9568.0 | 9617.9 | 9641.5 | 9601.2 | 9525.4 | 9443.6 | 9369.4 | 9377.8 | 9418.9  | 9472.7  |
| 11°   | 9243.4 | 9375.1 | 9485.4 | 9562.2 | 9569.9 | 9511.8 | 9421.2 | 9365.4 | 9385.5 | 9450.1  | 9523.5  |
| 13°   | 8927.6 | 9089.0 | 9286.0 | 9460.3 | 9532.5 | 9535.0 | 9433.5 | 9365.1 | 9391.2 | 9476.8  | 9633.7  |
| 15°   | 8674.4 | 8835.3 | 9051.7 | 9319.6 | 9475.0 | 9544.8 | 9456.0 | 9375.7 | 9419.1 | 9553.6  | 9797.3  |
| 17°   | 8476.0 | 8629.3 | 8840.2 | 9153.9 | 9388.4 | 9664.1 | 9502.6 | 9412.0 | 9443.7 | 9664.4  | 9975.1  |
| 19.5° | 8250.9 | 8455.2 | 8674.4 | 8967.7 | 9275.3 | 9747.5 | 9491.8 | 9419.4 | 9519.7 | 9855.0  | 10255.7 |
| 22.5° | 7876.1 | 8221.6 | 8503.5 | 8746.5 | 9024.4 | 9378.0 | 9352.9 | 9350.5 | 9608.9 | 10084.6 | 10586.0 |
| 25.5° | 7457.5 | 7867.1 | 8197.7 | 8474.0 | 8744.5 | 9049.0 | 9159.2 | 9224.7 | 9665.0 | 10354.2 | 10976.1 |
| 29°   | 7170.3 | 7234.9 | 7714.9 | 8061.7 | 8385.8 | 8661.1 | 8875.4 | 9143.0 | 9665.7 | 10544.7 | 11353.2 |
| 33°   | 6792.4 | 6805.2 | 7115.7 | 7550.0 | 7851.9 | 8089.8 | 8522.6 | 9139.4 | 9675.4 | 10590.6 | 11662.5 |
| 37.5° | 6258.8 | 6392.6 | 6620.7 | 7063.5 | 7423.6 | 7809.4 | 8263.6 | 9154.6 | 9704.5 | 10727.8 | 11239.3 |
| 42.5° | 5748.1 | 5890.6 | 6262.6 | 6673.2 | 7204.8 | 7611.6 | 7979.3 | 9143.4 | 9849.9 | 10138.2 | 8955.3  |
| 47.5° | 5272.5 | 5376.8 | 5955.4 | 6382.3 | 6920.9 | 7169.2 | 7496.1 | 8948.7 | 9710.0 | 8094.6  | 6178.0  |
| 55°   | 3472.4 | 4540.7 | 5292.6 | 5413.2 | 5784.4 | 6145.9 | 5920.6 | 7077.7 | 6981.8 | 4508.1  | 4011.9  |
| 65°   | 654.7  | 868.3  | 1401.5 | 1868.0 | 1140.0 | 342.4  | 1144.0 | 1857.6 | 1607.9 | 1272.6  | 789.3   |
| 75°   | 138.8  | 166.6  | 163.2  | 223.6  | 183.7  | 213.4  | 124.9  | 117.2  | 93.6   | 55.5    | 65.3    |
| 85°   | 32.1   | 36.6   | 36.3   | 40.8   | 46.6   | 48.5   | 44.8   | 44.0   | 37.2   | 31.0    | 31.3    |
| 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):**

|       | 330°    | 340°    | 350°    | 360°    |
|-------|---------|---------|---------|---------|
| 0°    | 9505.0  | 9505.0  | 9505.0  | 9505.0  |
| 1°    | 9414.9  | 9404.1  | 9395.5  | 9389.6  |
| 3°    | 9399.3  | 9400.4  | 9392.1  | 9383.8  |
| 5°    | 9405.1  | 9414.5  | 9422.5  | 9430.3  |
| 7°    | 9450.7  | 9475.9  | 9490.2  | 9489.4  |
| 9°    | 9528.3  | 9561.9  | 9596.8  | 9602.0  |
| 11°   | 9637.5  | 9737.5  | 9802.5  | 9834.8  |
| 13°   | 9806.1  | 9975.6  | 10085.1 | 10134.5 |
| 15°   | 10041.6 | 10252.3 | 10402.0 | 10461.4 |
| 17°   | 10301.6 | 10556.7 | 10711.0 | 10793.2 |
| 19.5° | 10632.1 | 10921.3 | 11088.6 | 11148.1 |
| 22.5° | 11010.0 | 11369.4 | 11612.2 | 11731.1 |
| 25.5° | 11455.6 | 11917.2 | 12211.0 | 12374.3 |
| 29°   | 12064.4 | 12398.3 | 12614.5 | 12720.5 |
| 33°   | 12267.5 | 11921.0 | 11684.6 | 11604.1 |
| 37.5° | 10749.5 | 9541.2  | 8755.7  | 8520.4  |
| 42.5° | 7542.3  | 6760.6  | 6205.8  | 5992.7  |
| 47.5° | 5419.1  | 5368.8  | 5278.1  | 5317.5  |
| 55°   | 3106.1  | 2459.9  | 1826.2  | 1526.8  |
| 65°   | 550.0   | 546.2   | 263.5   | 243.5   |
| 75°   | 60.0    | 70.2    | 43.9    | 37.9    |
| 85°   | 29.4    | 31.9    | 30.1    | 7.7     |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)