

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: P579445

Luminaire Tested: **CST-CA10-760-730-U-T5N-HSS-HM-EX120**

Issue Date: 11/18/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P579445  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2110-429-5)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 11/18/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CST-CA10-760-730-U-T5N-HSS-HM-EX120  
Description: CELESTEON HIGH MAST LUMINAIRE WITH FIELD INSTALLED SHIELD  
Light Source: (10) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 82166 lumens  
Efficiency: N/A  
Efficacy: 107.8 lumens/watt  
Luminous Opening: Circular (Dia: 2.08' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B5 - U2 - G5

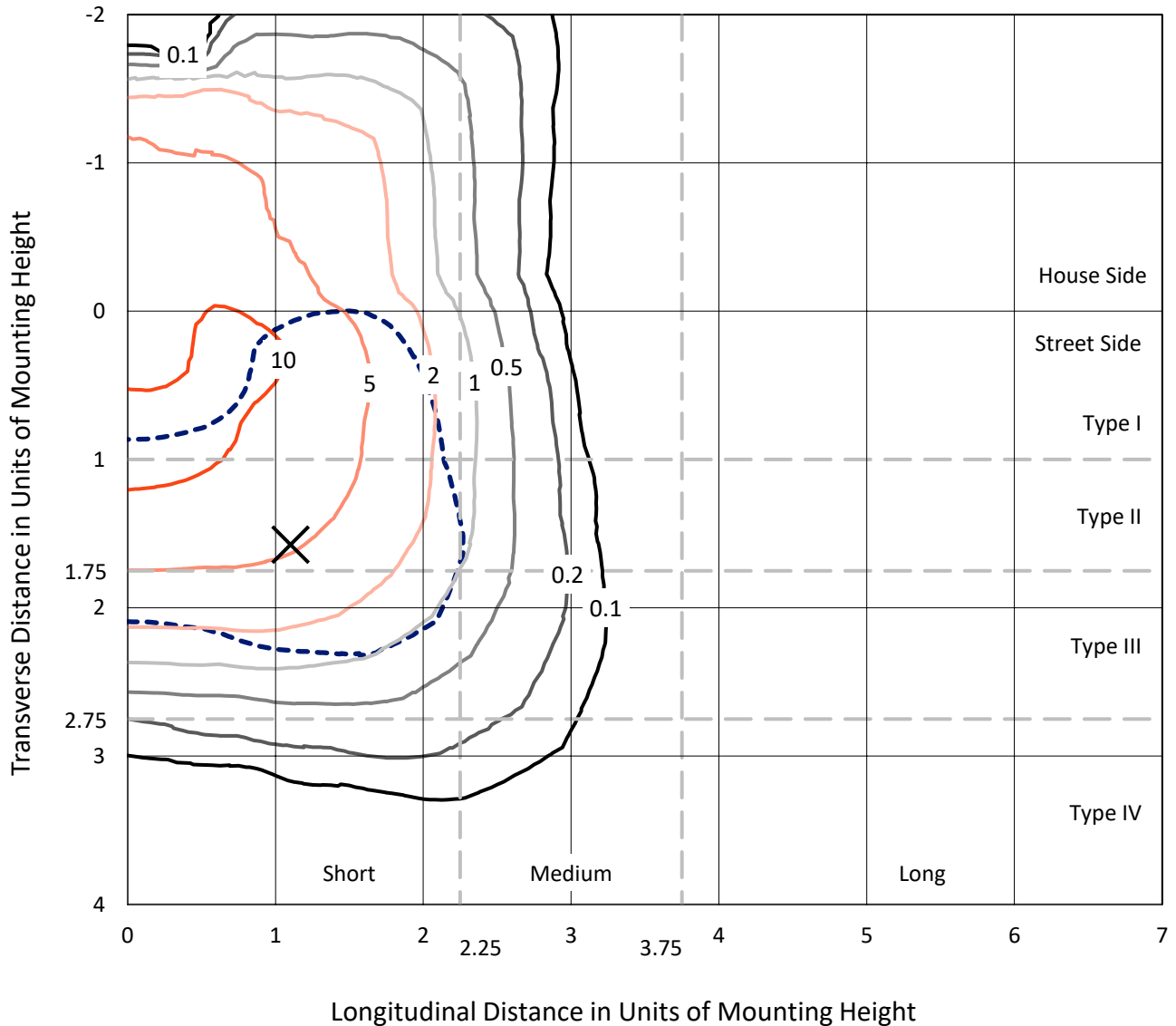
Input Watts (W): 761.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

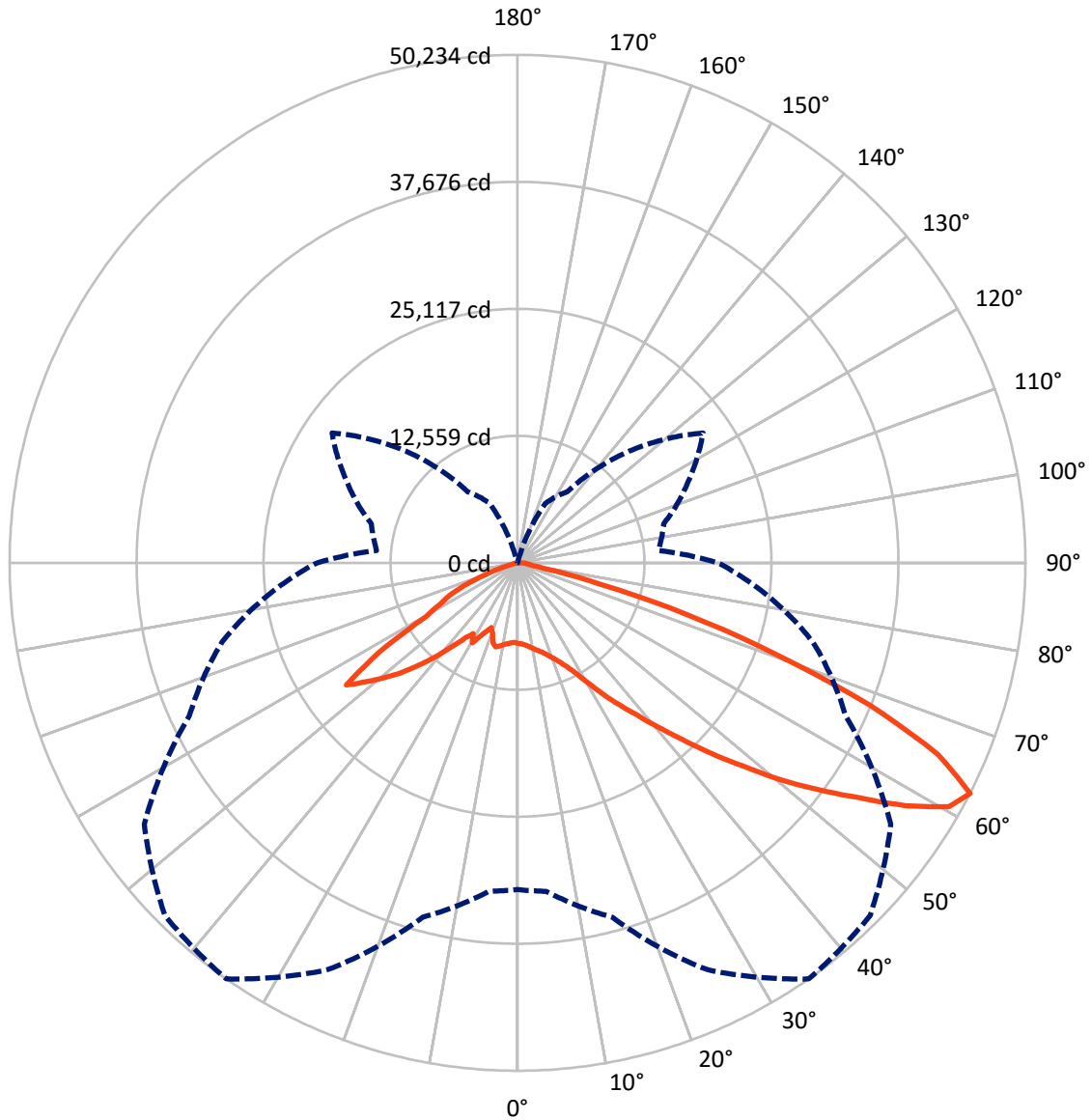
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 12 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical



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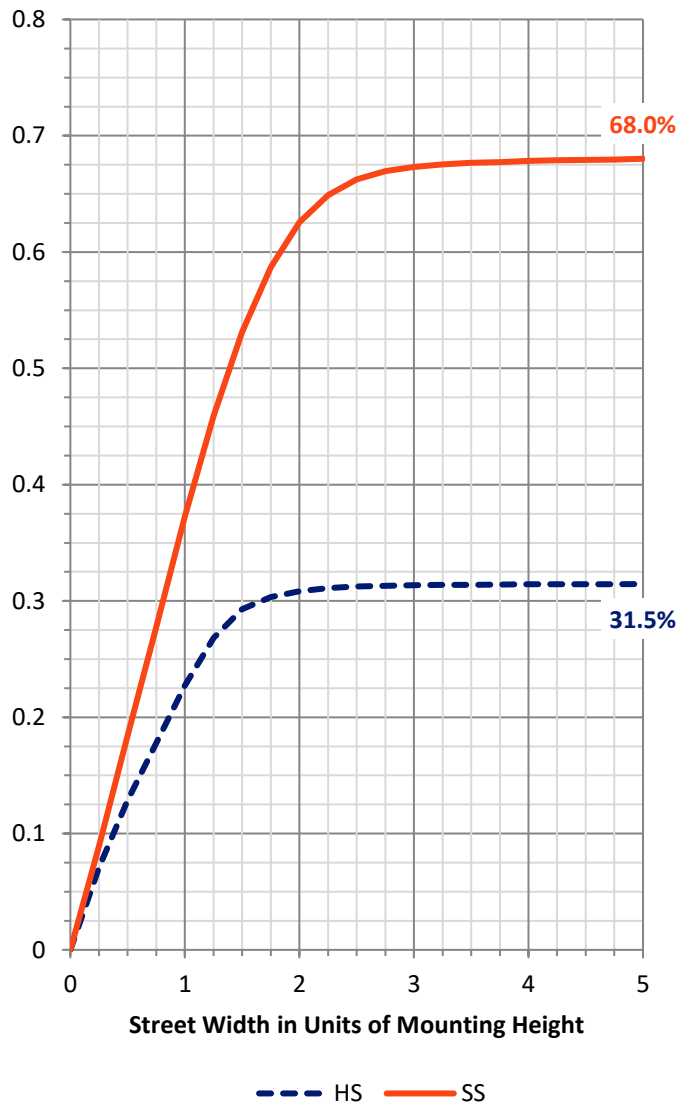
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 25993.8  | 0.0    | 25993.8 |
|                    | % Fixture | 31.6     | 0.0    | 31.6    |
| <b>Street Side</b> | Lumens    | 56125.3  | 46.9   | 56172.2 |
|                    | % Fixture | 68.3     | 0.1    | 68.4    |
| <b>Total</b>       | Lumens    | 82119.1  | 46.9   | 82166.0 |
|                    | % Fixture | 99.9     | 0.1    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 786.5   | 1.0       |
| 10°-20°   | 2528.6  | 3.1       |
| 20°-30°   | 4695.4  | 5.7       |
| 30°-40°   | 9257.3  | 11.3      |
| 40°-50°   | 16617.9 | 20.2      |
| 50°-60°   | 24155.9 | 29.4      |
| 60°-70°   | 19852.2 | 24.2      |
| 70°-80°   | 3773.6  | 4.6       |
| 80°-90°   | 451.7   | 0.5       |
| 90°-100°  | 42.8    | 0.1       |
| 100°-110° | 4.1     | 0.0       |
| 110°-120° | 0.1     | 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°    | 82119.1 | 99.9      |
| 0°-180°   | 82166.0 | 100.0     |

**Coefficient of Utilization**

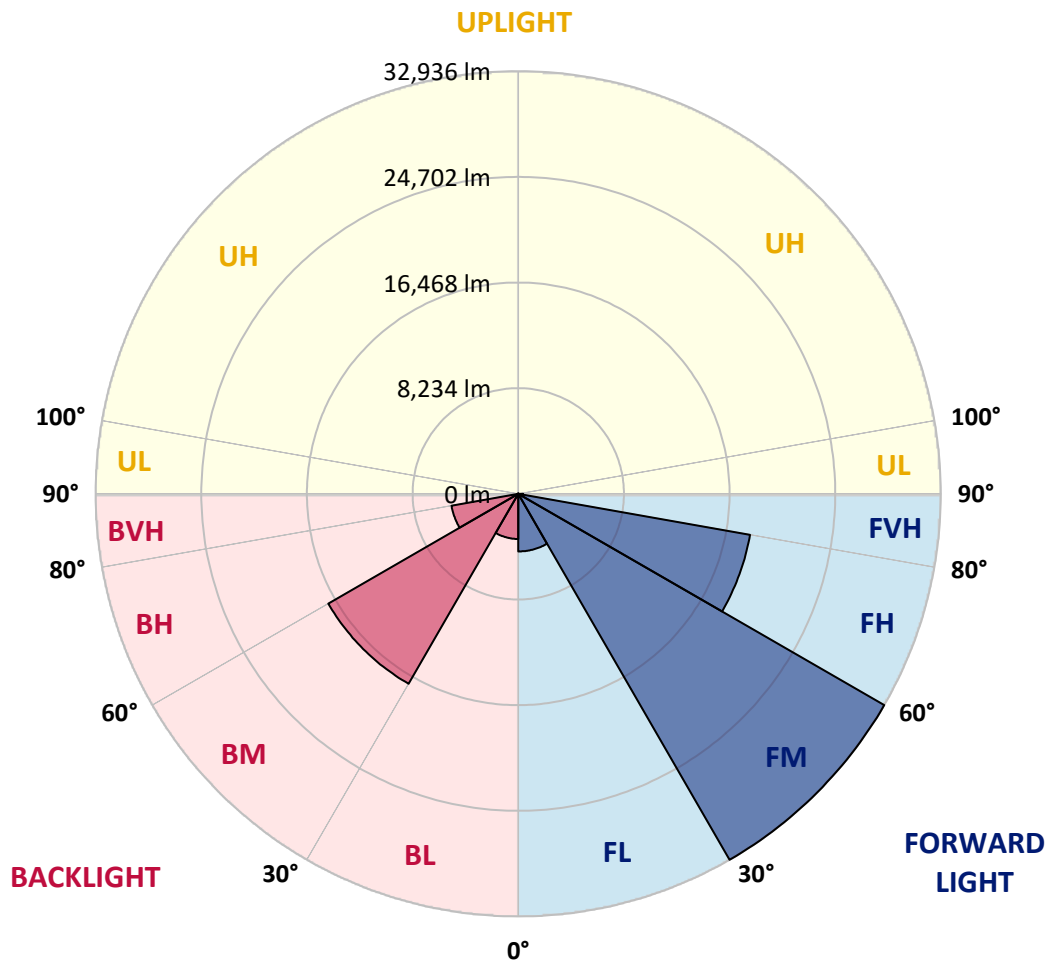


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |       |        |
|----------------|---------|-----------|-------------------------|-------|--------|
|                |         |           | B                       | U     | G      |
| FL (0°-30°)    | 4490.8  | 5.5       |                         |       |        |
| FM (30°-60°)   | 32935.9 | 40.1      |                         |       |        |
| FH (60°-80°)   | 18341.3 | 22.3      |                         |       | G5     |
| FVH (80°-90°)  | 357.2   | 0.4       |                         |       | G3/500 |
| BL (0°-30°)    | 3519.6  | 4.3       | B4/5000                 |       |        |
| BM (30°-60°)   | 17095.1 | 20.8      | B5                      |       |        |
| BH (60°-80°)   | 5284.5  | 6.4       | B5                      |       | G5     |
| BVH (80°-90°)  | 94.5    | 0.1       |                         |       | G1/100 |
| UL (90°-100°)  | 42.8    | 0.1       |                         | U2/50 |        |
| UH (100°-180°) | 4.2     | 0.0       |                         | U1/10 |        |

**BUG Rating: B5-U2-G5**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

|        | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     | 90°     |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 7975.5  | 7975.5  | 7975.5  | 7975.5  | 7975.5  | 7975.5  | 7975.5  | 7975.5  | 7975.5  | 7975.5  | 7975.5  |
| 2.5°   | 8179.2  | 8112.4  | 8119.1  | 8169.2  | 8018.9  | 8069.0  | 7998.9  | 8059.0  | 8032.3  | 8059.0  | 8075.7  |
| 5°     | 8342.9  | 8259.4  | 8256.0  | 8306.1  | 8185.9  | 8215.9  | 8135.8  | 8175.9  | 8139.1  | 8172.5  | 8172.5  |
| 7.5°   | 8543.2  | 8473.1  | 8456.4  | 8496.5  | 8389.6  | 8403.0  | 8322.8  | 8339.5  | 8296.1  | 8339.5  | 8306.1  |
| 10°    | 8793.7  | 8730.3  | 8703.6  | 8723.6  | 8626.7  | 8633.4  | 8546.6  | 8553.3  | 8489.8  | 8526.5  | 8499.8  |
| 12.5°  | 9057.6  | 8970.7  | 8957.4  | 8990.8  | 8890.6  | 8877.2  | 8803.8  | 8810.4  | 8740.3  | 8773.7  | 8753.7  |
| 15°    | 9331.4  | 9241.3  | 9244.6  | 9278.0  | 9177.8  | 9184.5  | 9107.7  | 9121.0  | 9050.9  | 9084.3  | 9057.6  |
| 17.5°  | 9695.5  | 9605.3  | 9598.6  | 9658.7  | 9575.3  | 9602.0  | 9521.8  | 9538.5  | 9488.4  | 9495.1  | 9465.0  |
| 20°    | 10216.5 | 10099.6 | 10076.2 | 10163.1 | 10052.8 | 10086.2 | 10042.8 | 10099.6 | 10079.6 | 10062.9 | 10039.5 |
| 22.5°  | 10837.7 | 10747.5 | 10700.8 | 10767.6 | 10637.3 | 10700.8 | 10724.1 | 10841.0 | 10871.1 | 10851.1 | 10483.7 |
| 25°    | 11669.3 | 11622.6 | 11575.8 | 11545.7 | 11388.8 | 11489.0 | 11609.2 | 11802.9 | 11929.8 | 11979.9 | 11468.9 |
| 27.5°  | 12791.5 | 12814.9 | 12611.1 | 12577.7 | 12400.7 | 12557.7 | 12774.8 | 13088.7 | 13345.9 | 13439.4 | 12751.4 |
| 30°    | 14234.3 | 14264.4 | 13987.1 | 13907.0 | 13800.1 | 13933.7 | 14337.8 | 14681.8 | 15062.6 | 15219.5 | 14301.1 |
| 32.5°  | 16151.3 | 16124.6 | 15717.2 | 15563.5 | 15466.7 | 15520.1 | 15944.3 | 16415.2 | 16842.7 | 17196.7 | 16067.9 |
| 35°    | 18492.6 | 18409.1 | 17974.9 | 17550.7 | 17166.7 | 17330.3 | 17640.9 | 18212.0 | 18859.9 | 19381.0 | 17811.2 |
| 37.5°  | 21211.2 | 21131.0 | 20469.7 | 19778.4 | 19020.3 | 19090.4 | 19367.6 | 20299.4 | 21134.4 | 21271.3 | 17514.0 |
| 40°    | 24020.0 | 23986.6 | 23362.0 | 22483.6 | 21304.7 | 20974.0 | 21341.4 | 22477.0 | 23358.7 | 20970.7 | 18205.3 |
| 42.5°  | 26825.4 | 26665.1 | 26314.4 | 25436.0 | 23866.3 | 23138.2 | 23632.5 | 24768.1 | 25716.6 | 21986.0 | 19808.4 |
| 45°    | 29654.2 | 29490.6 | 29193.3 | 28548.7 | 26915.6 | 25856.9 | 26000.5 | 27259.6 | 28117.9 | 23889.7 | 21478.4 |
| 47.5°  | 32165.8 | 32045.5 | 31831.8 | 31471.1 | 30014.9 | 29056.4 | 28779.2 | 29660.9 | 30245.4 | 25436.0 | 22760.8 |
| 50°    | 34330.0 | 34226.4 | 34309.9 | 34189.7 | 33762.2 | 32756.9 | 31841.8 | 31785.0 | 32065.6 | 26812.0 | 23939.8 |
| 52.5°  | 36233.7 | 36093.4 | 36450.7 | 36874.9 | 37269.0 | 37045.2 | 34830.9 | 33798.9 | 33545.1 | 27844.0 | 24731.3 |
| 55°    | 37806.7 | 37756.6 | 38371.1 | 39516.7 | 41016.3 | 41604.1 | 38027.1 | 35659.2 | 34867.7 | 28719.1 | 24804.8 |
| 57.5°  | 38748.5 | 38868.8 | 40168.0 | 42385.6 | 45318.0 | 45595.2 | 41767.7 | 37636.4 | 36033.3 | 29250.1 | 25155.5 |
| 60°    | 37138.8 | 37546.2 | 39884.1 | 44536.4 | 48978.4 | 49098.6 | 44456.3 | 38030.5 | 34507.0 | 27339.7 | 23281.9 |
| 62.5°  | 32316.1 | 32610.0 | 36287.1 | 44399.5 | 50234.2 | 49319.1 | 45057.5 | 35806.2 | 30242.0 | 23191.7 | 19801.8 |
| 65°    | 22834.3 | 23175.0 | 27606.9 | 40037.7 | 45702.0 | 45735.4 | 41273.4 | 30963.4 | 24173.6 | 17954.8 | 15289.7 |
| 67.5°  | 13773.4 | 14324.5 | 18522.6 | 29066.4 | 37629.7 | 38314.4 | 34433.5 | 23442.2 | 17300.2 | 11722.8 | 9895.9  |
| 70°    | 4518.8  | 5023.1  | 8456.4  | 17203.4 | 27126.0 | 30058.3 | 25860.2 | 15232.9 | 9034.2  | 4956.3  | 3991.1  |
| 72.5°  | 1790.1  | 2020.6  | 2979.1  | 7608.1  | 17480.6 | 20069.0 | 15934.3 | 7361.0  | 3032.6  | 1315.9  | 1145.6  |
| 75°    | 1195.7  | 1219.0  | 1376.0  | 2591.7  | 8553.3  | 10974.6 | 7681.6  | 2140.8  | 1125.5  | 821.6   | 721.4   |
| 77.5°  | 1042.0  | 1045.4  | 1115.5  | 1366.0  | 2785.4  | 4208.2  | 2211.0  | 1148.9  | 931.8   | 674.6   | 597.8   |
| 80°    | 955.2   | 968.5   | 1012.0  | 1165.6  | 1275.8  | 1429.4  | 1092.1  | 958.5   | 808.2   | 621.2   | 564.4   |
| 82.5°  | 915.1   | 925.1   | 951.8   | 1055.4  | 1032.0  | 1072.1  | 881.7   | 761.5   | 681.3   | 571.1   | 541.1   |
| 85°    | 835.0   | 851.7   | 868.4   | 931.8   | 848.3   | 734.8   | 681.3   | 511.0   | 487.6   | 430.8   | 397.4   |
| 87.5°  | 631.2   | 627.9   | 611.2   | 621.2   | 567.8   | 464.2   | 384.1   | 287.2   | 233.8   | 193.7   | 160.3   |
| 90°    | 263.8   | 267.2   | 257.2   | 243.8   | 213.7   | 177.0   | 133.6   | 80.2    | 40.1    | 13.4    | 6.7     |
| 92.5°  | 200.4   | 203.7   | 197.0   | 177.0   | 153.6   | 123.6   | 90.2    | 46.8    | 26.7    | 10.0    | 3.3     |
| 95°    | 123.6   | 126.9   | 120.2   | 106.9   | 93.5    | 70.1    | 46.8    | 30.1    | 16.7    | 6.7     | 0.0     |
| 97.5°  | 73.5    | 76.8    | 70.1    | 63.5    | 50.1    | 33.4    | 26.7    | 20.0    | 13.4    | 6.7     | 0.0     |
| 100°   | 43.4    | 43.4    | 40.1    | 33.4    | 23.4    | 20.0    | 16.7    | 13.4    | 10.0    | 3.3     | 0.0     |
| 102.5° | 20.0    | 20.0    | 20.0    | 13.4    | 10.0    | 10.0    | 10.0    | 10.0    | 10.0    | 3.3     | 0.0     |
| 105°   | 6.7     | 6.7     | 3.3     | 3.3     | 3.3     | 6.7     | 6.7     | 6.7     | 6.7     | 3.3     | 0.0     |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 3.3     | 6.7     | 6.7     | 3.3     | 0.0     |
| 110°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 3.3     | 3.3     | 3.3     | 0.0     |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 5°  | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180°   | 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):**

|        | 95°     | 105°    | 115°    | 125°    | 135°    | 145°    | 155°    | 165°    | 175°    | 180°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 7975.5  | 7975.5  | 7975.5  | 7975.5  | 7975.5  | 7975.5  | 7975.5  | 7975.5  | 7975.5  | 7975.5  |
| 2.5°   | 8059.0  | 7995.5  | 8005.5  | 7948.8  | 7935.4  | 7875.3  | 7982.2  | 7992.2  | 7962.1  | 7992.2  |
| 5°     | 8159.2  | 8082.4  | 8102.4  | 8038.9  | 8022.2  | 7938.7  | 8025.6  | 8018.9  | 7995.5  | 8025.6  |
| 7.5°   | 8306.1  | 8219.3  | 8229.3  | 8155.8  | 8139.1  | 8045.6  | 8125.8  | 8102.4  | 8075.7  | 8112.4  |
| 10°    | 8493.2  | 8409.7  | 8413.0  | 8312.8  | 8302.8  | 8195.9  | 8299.4  | 8256.0  | 8215.9  | 8269.4  |
| 12.5°  | 8753.7  | 8636.8  | 8626.7  | 8516.5  | 8513.2  | 8403.0  | 8509.9  | 8473.1  | 8419.7  | 8503.2  |
| 15°    | 9054.2  | 8897.3  | 8857.2  | 8716.9  | 8713.6  | 8596.7  | 8703.6  | 8646.8  | 8620.1  | 8720.3  |
| 17.5°  | 9445.0  | 9247.9  | 8944.0  | 8466.4  | 8249.3  | 8286.1  | 8663.5  | 8800.4  | 8443.1  | 8496.5  |
| 20°    | 9682.1  | 8726.9  | 8282.7  | 8085.7  | 7982.2  | 7387.7  | 6582.8  | 6649.6  | 7441.1  | 7818.5  |
| 22.5°  | 9281.3  | 8997.5  | 8833.8  | 8556.6  | 7113.8  | 6910.1  | 6956.8  | 6943.5  | 5921.5  | 5617.6  |
| 25°    | 10116.3 | 9849.1  | 9551.9  | 7841.9  | 7544.6  | 7457.8  | 7481.2  | 6522.7  | 5964.9  | 5988.3  |
| 27.5°  | 11318.6 | 10974.6 | 9091.0  | 8349.5  | 8289.4  | 8162.5  | 7701.6  | 6549.4  | 6619.5  | 6666.3  |
| 30°    | 12838.3 | 11615.9 | 9682.1  | 9358.2  | 9237.9  | 9101.0  | 7147.2  | 7317.5  | 7447.8  | 7591.4  |
| 32.5°  | 14307.8 | 11298.6 | 10814.3 | 10477.0 | 10290.0 | 8262.7  | 8062.3  | 8376.3  | 8506.5  | 8630.1  |
| 35°    | 14174.2 | 12657.9 | 12030.0 | 11602.5 | 11251.8 | 8917.3  | 9094.3  | 9571.9  | 9915.9  | 9912.6  |
| 37.5°  | 14541.6 | 14137.4 | 13412.7 | 12871.6 | 9765.6  | 9989.4  | 10360.1 | 10904.5 | 11322.0 | 11318.6 |
| 40°    | 16074.5 | 15637.0 | 14955.7 | 13793.4 | 10821.0 | 11342.0 | 11849.7 | 12360.7 | 12661.2 | 12684.6 |
| 42.5°  | 17597.5 | 17260.2 | 16645.6 | 12183.6 | 12113.5 | 12834.9 | 13365.9 | 13689.9 | 13873.6 | 13937.1 |
| 45°    | 19113.8 | 18796.5 | 16355.1 | 13476.2 | 13689.9 | 14404.6 | 14728.6 | 14792.0 | 14989.1 | 14982.4 |
| 47.5°  | 20319.4 | 20048.9 | 15045.9 | 15012.5 | 15543.5 | 16037.8 | 15934.3 | 15854.1 | 15904.2 | 15930.9 |
| 50°    | 21431.6 | 17453.9 | 16221.5 | 16709.1 | 17517.3 | 17577.4 | 17146.6 | 13583.0 | 16816.0 | 16759.2 |
| 52.5°  | 19908.6 | 17033.1 | 17316.9 | 18459.2 | 19835.2 | 19137.1 | 18295.5 | 11906.4 | 15770.6 | 17270.2 |
| 55°    | 17420.5 | 17707.7 | 18348.9 | 20266.0 | 21625.3 | 20797.0 | 19391.0 | 12260.5 | 10467.0 | 8519.9  |
| 57.5°  | 17767.8 | 18222.0 | 19441.1 | 22089.5 | 23275.2 | 16472.0 | 18098.5 | 8643.4  | 5851.4  | 5848.0  |
| 60°    | 16545.4 | 17233.4 | 19417.7 | 22907.8 | 18839.9 | 10553.8 | 7250.7  | 197.0   | 1135.5  | 1125.5  |
| 62.5°  | 13987.1 | 14965.7 | 18526.0 | 22390.1 | 15607.0 | 8576.6  | 6459.2  | 16.7    | 6.7     | 6.7     |
| 65°    | 10817.7 | 11969.9 | 15446.6 | 19387.6 | 13826.8 | 7387.7  | 4796.0  | 0.0     | 0.0     | 0.0     |
| 67.5°  | 7093.8  | 8162.5  | 11599.2 | 16104.6 | 11478.9 | 5584.2  | 3222.9  | 0.0     | 0.0     | 0.0     |
| 70°    | 2955.7  | 4275.0  | 7207.3  | 11639.3 | 8443.1  | 3657.1  | 1529.6  | 0.0     | 0.0     | 0.0     |
| 72.5°  | 855.0   | 1302.5  | 3246.3  | 6950.2  | 5240.2  | 1913.7  | 567.8   | 0.0     | 0.0     | 0.0     |
| 75°    | 564.4   | 594.5   | 981.9   | 2795.4  | 2548.3  | 701.4   | 230.4   | 0.0     | 0.0     | 0.0     |
| 77.5°  | 474.3   | 487.6   | 624.5   | 781.5   | 818.3   | 277.2   | 187.0   | 0.0     | 0.0     | 0.0     |
| 80°    | 437.5   | 440.9   | 561.1   | 581.1   | 437.5   | 230.4   | 183.7   | 0.0     | 0.0     | 0.0     |
| 82.5°  | 407.5   | 397.4   | 477.6   | 460.9   | 364.0   | 200.4   | 170.3   | 0.0     | 0.0     | 0.0     |
| 85°    | 280.5   | 287.2   | 324.0   | 410.8   | 220.4   | 100.2   | 120.2   | 0.0     | 0.0     | 0.0     |
| 87.5°  | 86.8    | 100.2   | 126.9   | 130.3   | 40.1    | 13.4    | 0.0     | 0.0     | 0.0     | 0.0     |
| 90°    | 3.3     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 92.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 95°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 97.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 100°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 102.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 105°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 110°   | 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):**

|        | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-----|------|------|------|------|------|------|------|------|------|
| 112.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 115°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 117.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 120°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 122.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 125°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 127.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 130°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 132.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 135°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 137.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 140°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |

(END OF REPORT)