

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: P531336

Luminaire Tested: **GLAN-SA6C-760-U-T2R-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531336  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6C-760-U-T2R-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II  
ROADWAY OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 36634 lumens  
Efficiency: N/A  
Efficacy: 114.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

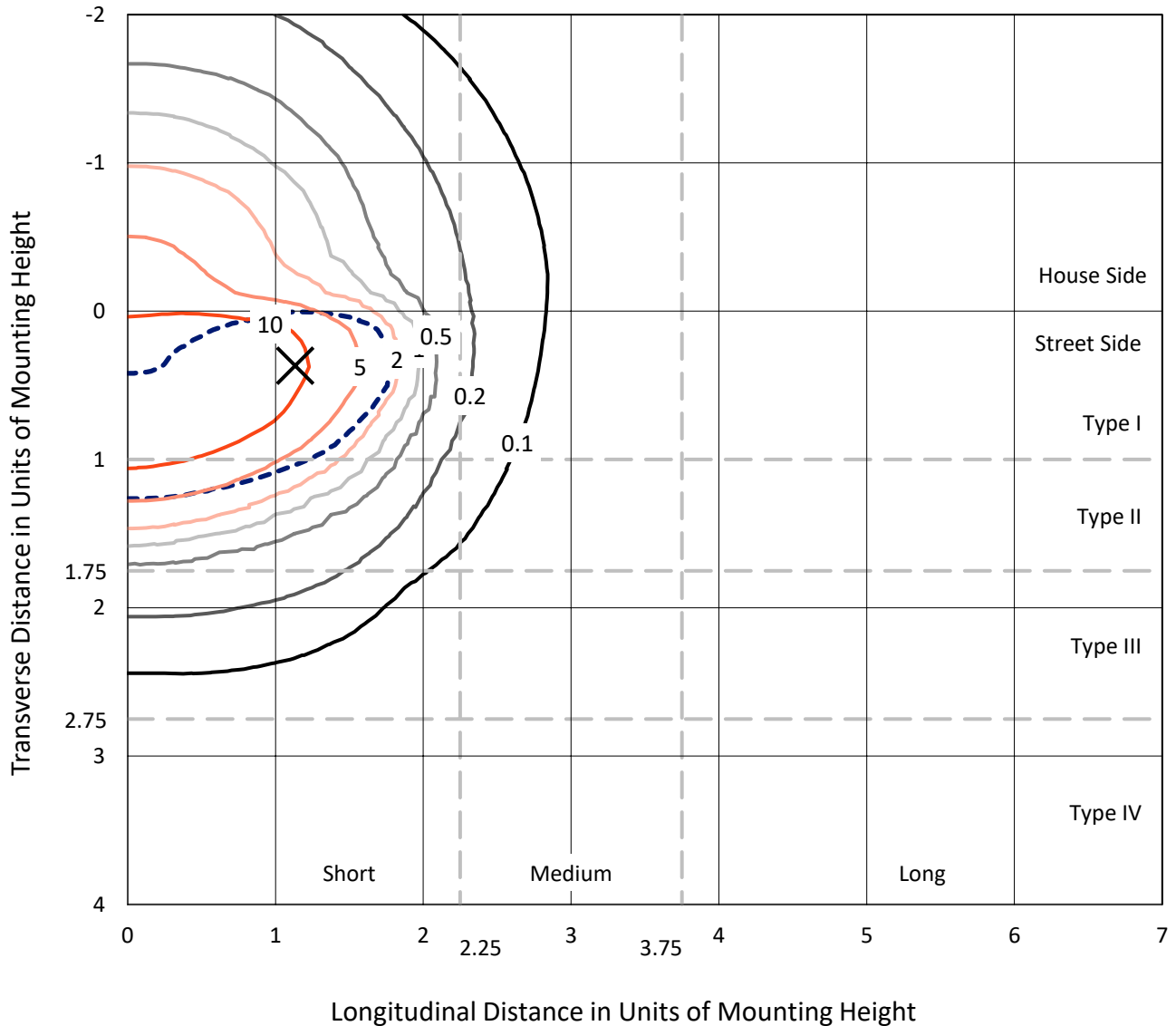
Input Watts (W): 321  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

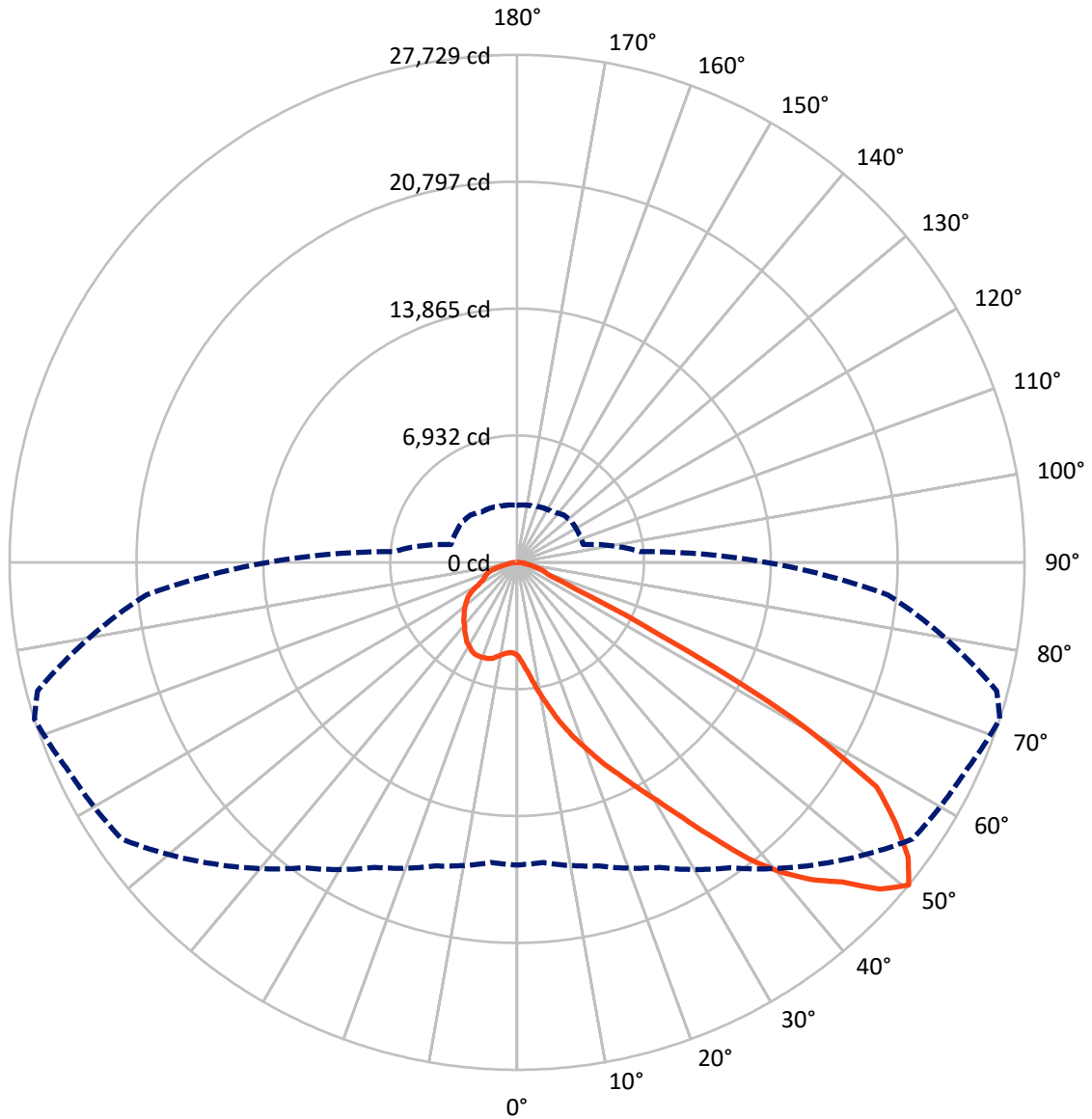
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.2 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 50-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 8393.1   | 0.0    | 8393.1  |
|                    | % Fixture | 22.9     | 0.0    | 22.9    |
| <b>Street Side</b> | Lumens    | 28240.9  | 0.0    | 28240.9 |
|                    | % Fixture | 77.1     | 0.0    | 77.1    |
| <b>Total</b>       | Lumens    | 36634.0  | 0.0    | 36634.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 599.9   | 1.6       |
| 10°-20°   | 2242.5  | 6.1       |
| 20°-30°   | 4348.0  | 11.9      |
| 30°-40°   | 7203.2  | 19.7      |
| 40°-50°   | 10078.8 | 27.5      |
| 50°-60°   | 8502.8  | 23.2      |
| 60°-70°   | 2591.6  | 7.1       |
| 70°-80°   | 909.2   | 2.5       |
| 80°-90°   | 158.1   | 0.4       |
| 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°    | 36634.0 | 100.0     |
| 0°-180°   | 36634.0 | 100.0     |

**Coefficient of Utilization**

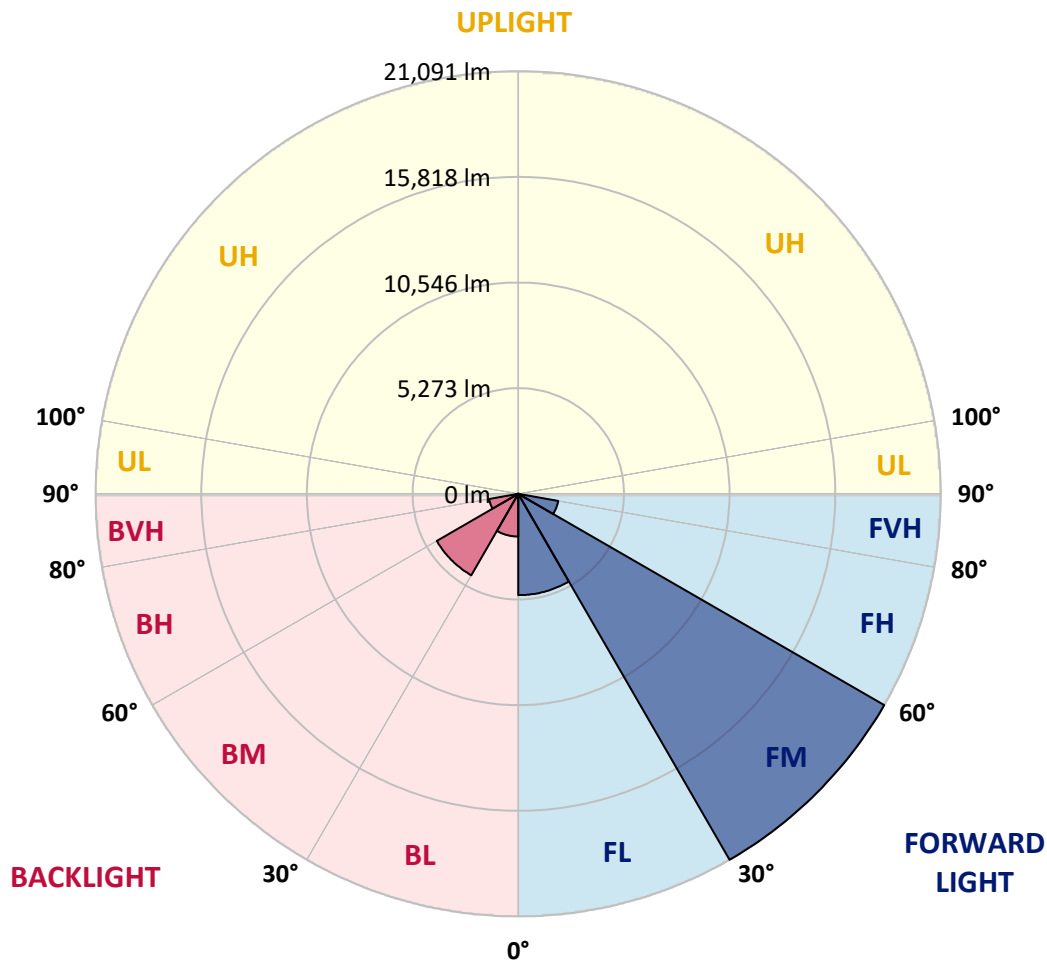


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 5056.8  | 13.8      |                         |      |         |
| FM   | (30°-60°)   | 21091.2 | 57.6      |                         |      |         |
| FH   | (60°-80°)   | 2022.1  | 5.5       |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 70.8    | 0.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 2133.6  | 5.8       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 4693.5  | 12.8      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1478.7  | 4.0       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 87.3    | 0.2       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 72°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5099.8  | 5099.8  | 5099.8  | 5099.8  | 5099.8  | 5099.8  | 5099.8  | 5099.8  | 5099.8  | 5099.8  | 5099.8  |
| 2.5°  | 6559.4  | 6518.6  | 6396.2  | 6355.4  | 6210.4  | 5947.5  | 5856.8  | 5589.3  | 5476.0  | 5371.8  | 5249.4  |
| 5°    | 8295.6  | 8105.2  | 8091.6  | 7860.4  | 7525.0  | 7330.1  | 6749.8  | 6360.0  | 6001.9  | 5820.5  | 5485.1  |
| 7.5°  | 9401.7  | 9406.2  | 9406.2  | 9215.8  | 8948.4  | 8454.3  | 7933.0  | 7230.3  | 6690.9  | 6423.4  | 5852.3  |
| 10°   | 10453.4 | 10362.7 | 10312.9 | 10294.7 | 10113.4 | 9632.9  | 9075.3  | 8205.0  | 7466.1  | 7153.3  | 6128.8  |
| 12.5° | 11196.8 | 11119.8 | 11233.1 | 11174.2 | 11042.7 | 10729.9 | 10204.1 | 9211.3  | 8286.6  | 7865.0  | 6573.0  |
| 15°   | 11550.4 | 11604.8 | 11695.5 | 11858.7 | 11799.7 | 11681.9 | 11101.6 | 10244.9 | 9170.5  | 8694.5  | 6967.4  |
| 17.5° | 12094.4 | 11944.8 | 12053.6 | 12257.6 | 12420.8 | 12366.4 | 12035.4 | 10992.8 | 10045.4 | 9460.6  | 7497.8  |
| 20°   | 12475.2 | 12389.0 | 12443.4 | 12679.1 | 12801.5 | 13109.8 | 12937.5 | 11972.0 | 10884.0 | 10267.5 | 8123.4  |
| 22.5° | 13563.1 | 13436.2 | 13259.4 | 13295.7 | 13341.0 | 13558.6 | 13599.4 | 13046.3 | 11858.7 | 11205.9 | 8717.2  |
| 25°   | 14904.9 | 14787.1 | 14578.5 | 14365.5 | 14234.0 | 14193.2 | 14333.7 | 13889.5 | 12792.5 | 12117.0 | 9356.4  |
| 27.5° | 16382.7 | 16183.3 | 16051.8 | 15612.1 | 15258.5 | 15204.1 | 15136.1 | 14895.8 | 13898.6 | 13168.7 | 10077.1 |
| 30°   | 17819.7 | 17661.1 | 17484.3 | 16781.6 | 16414.4 | 16355.5 | 16020.1 | 16088.1 | 15099.8 | 14288.4 | 10893.1 |
| 32.5° | 18907.7 | 18921.3 | 18517.8 | 17987.4 | 17642.9 | 17330.1 | 17207.7 | 17402.7 | 16641.1 | 15988.3 | 11804.3 |
| 35°   | 19787.1 | 19827.9 | 19442.6 | 18962.1 | 18590.3 | 18807.9 | 18753.5 | 18844.2 | 18481.5 | 17683.7 | 12865.0 |
| 37.5° | 20643.8 | 20439.9 | 20027.3 | 19796.2 | 19601.2 | 19959.3 | 20421.7 | 20498.8 | 20566.8 | 19628.4 | 14098.0 |
| 40°   | 20784.4 | 20802.5 | 20562.3 | 20725.4 | 20480.7 | 21020.1 | 22094.4 | 21994.7 | 22271.2 | 21450.7 | 15435.3 |
| 42.5° | 20584.9 | 20625.7 | 20720.9 | 20952.1 | 21541.4 | 22189.6 | 23785.3 | 23377.3 | 23712.8 | 22982.9 | 16736.3 |
| 45°   | 20258.5 | 20090.8 | 20208.7 | 21088.1 | 22108.0 | 23549.6 | 25331.1 | 25013.8 | 24905.0 | 24293.0 | 18286.6 |
| 47.5° | 18699.1 | 18871.4 | 19238.6 | 20322.0 | 21854.2 | 23785.3 | 26428.1 | 26355.6 | 26682.0 | 26251.3 | 19696.4 |
| 50°   | 16536.8 | 16468.8 | 17176.0 | 18395.4 | 20371.9 | 23322.9 | 26369.2 | 27026.5 | 27729.1 | 27130.8 | 20326.5 |
| 52.5° | 12384.5 | 12747.1 | 13354.6 | 14868.6 | 17688.3 | 20802.5 | 25081.8 | 26178.8 | 26750.0 | 26623.0 | 19818.8 |
| 55°   | 7828.7  | 7937.5  | 8304.7  | 10104.3 | 12642.9 | 16695.5 | 21500.6 | 24043.7 | 25063.6 | 25539.6 | 19351.9 |
| 57.5° | 3803.3  | 3599.3  | 4048.1  | 5494.1  | 7302.9  | 11228.5 | 16582.2 | 20943.0 | 23159.7 | 24021.0 | 18336.5 |
| 60°   | 1985.5  | 2062.6  | 2239.4  | 2756.1  | 3776.1  | 5829.6  | 10335.5 | 13957.5 | 17343.7 | 18667.4 | 13898.6 |
| 62.5° | 1645.5  | 1672.7  | 1790.6  | 2049.0  | 2511.4  | 3354.5  | 5276.6  | 6804.2  | 8844.1  | 10036.3 | 7905.8  |
| 65°   | 1396.2  | 1409.8  | 1536.7  | 1709.0  | 2003.6  | 2361.8  | 2715.3  | 2842.3  | 3440.6  | 3531.3  | 2810.5  |
| 67.5° | 1165.0  | 1178.6  | 1314.6  | 1477.8  | 1668.2  | 1763.4  | 1854.0  | 1845.0  | 1913.0  | 1885.8  | 1881.2  |
| 70°   | 897.6   | 911.2   | 1051.7  | 1223.9  | 1319.1  | 1264.7  | 1545.8  | 1609.3  | 1636.5  | 1659.1  | 1695.4  |
| 72.5° | 648.2   | 675.4   | 784.2   | 906.6   | 856.8   | 983.7   | 1273.8  | 1369.0  | 1405.3  | 1418.9  | 1464.2  |
| 75°   | 471.4   | 480.5   | 507.7   | 471.4   | 544.0   | 684.5   | 897.6   | 1015.4  | 1060.8  | 1074.4  | 1142.3  |
| 77.5° | 208.5   | 213.1   | 217.6   | 272.0   | 349.1   | 426.1   | 534.9   | 630.1   | 693.6   | 711.7   | 729.8   |
| 80°   | 108.8   | 113.3   | 140.5   | 185.9   | 249.3   | 312.8   | 389.8   | 444.2   | 485.0   | 489.6   | 507.7   |
| 82.5° | 68.0    | 72.5    | 99.7    | 131.5   | 176.8   | 231.2   | 285.6   | 330.9   | 362.6   | 367.2   | 371.7   |
| 85°   | 31.7    | 40.8    | 58.9    | 81.6    | 117.9   | 149.6   | 154.1   | 131.5   | 140.5   | 145.1   | 136.0   |
| 87.5° | 9.1     | 13.6    | 18.1    | 13.6    | 18.1    | 18.1    | 22.7    | 27.2    | 27.2    | 27.2    | 31.7    |
| 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°    | 5099.8  | 5099.8 | 5099.8 | 5099.8 | 5099.8 | 5099.8 | 5099.8 | 5099.8 | 5099.8 | 5099.8 | 5099.8 |
| 2.5°  | 5181.4  | 5140.6 | 4981.9 | 4923.0 | 4768.8 | 4796.0 | 4714.4 | 4709.9 | 4691.8 | 4687.3 | 4682.7 |
| 5°    | 5308.3  | 5181.4 | 4991.0 | 4845.9 | 4759.8 | 4750.7 | 4691.8 | 4691.8 | 4709.9 | 4723.5 | 4691.8 |
| 7.5°  | 5516.8  | 5371.8 | 5049.9 | 4913.9 | 4836.8 | 4823.2 | 4782.4 | 4750.7 | 4791.5 | 4777.9 | 4741.6 |
| 10°   | 5757.1  | 5503.2 | 5163.2 | 5045.4 | 4918.4 | 4886.7 | 4886.7 | 4900.3 | 4832.3 | 4855.0 | 4818.7 |
| 12.5° | 6024.5  | 5684.5 | 5308.3 | 5172.3 | 5022.7 | 5004.6 | 4995.5 | 4895.8 | 4932.0 | 4913.9 | 4823.2 |
| 15°   | 6364.5  | 5893.1 | 5494.1 | 5263.0 | 5136.0 | 5054.4 | 4936.6 | 4918.4 | 4895.8 | 4850.4 | 4809.6 |
| 17.5° | 6731.7  | 6119.7 | 5580.3 | 5290.2 | 5099.8 | 5040.8 | 4950.2 | 4855.0 | 4787.0 | 4796.0 | 4764.3 |
| 20°   | 7044.5  | 6328.2 | 5612.0 | 5317.4 | 5072.6 | 4959.2 | 4818.7 | 4759.8 | 4687.3 | 4682.7 | 4678.2 |
| 22.5° | 7416.2  | 6609.3 | 5657.3 | 5244.8 | 4991.0 | 4873.1 | 4777.9 | 4673.7 | 4623.8 | 4560.3 | 4592.1 |
| 25°   | 7860.4  | 6718.1 | 5666.4 | 5204.0 | 4932.0 | 4723.5 | 4673.7 | 4560.3 | 4542.2 | 4451.5 | 4469.7 |
| 27.5° | 8182.3  | 6777.0 | 5593.9 | 5077.1 | 4796.0 | 4637.4 | 4546.7 | 4465.1 | 4433.4 | 4365.4 | 4347.3 |
| 30°   | 8612.9  | 6867.7 | 5439.7 | 4918.4 | 4660.1 | 4483.3 | 4428.9 | 4410.7 | 4320.1 | 4247.5 | 4238.5 |
| 32.5° | 9102.5  | 6926.6 | 5340.0 | 4755.2 | 4519.5 | 4383.5 | 4410.7 | 4324.6 | 4211.3 | 4147.8 | 4129.7 |
| 35°   | 9492.4  | 6949.3 | 5090.7 | 4569.4 | 4424.3 | 4338.2 | 4306.5 | 4288.3 | 4125.1 | 4066.2 | 4020.9 |
| 37.5° | 10086.2 | 6899.4 | 4882.2 | 4437.9 | 4320.1 | 4288.3 | 4261.1 | 4138.7 | 3952.9 | 3866.8 | 3803.3 |
| 40°   | 10779.8 | 6885.8 | 4614.7 | 4252.1 | 4220.3 | 4256.6 | 4175.0 | 3984.6 | 3726.2 | 3631.0 | 3585.7 |
| 42.5° | 11446.1 | 6981.0 | 4447.0 | 4152.3 | 4111.5 | 4125.1 | 4011.8 | 3726.2 | 3599.3 | 3544.9 | 3472.4 |
| 45°   | 12561.3 | 7180.5 | 4170.5 | 3998.2 | 3980.1 | 3971.0 | 3835.0 | 3535.8 | 3463.3 | 3395.3 | 3381.7 |
| 47.5° | 13567.6 | 7049.0 | 3993.7 | 3839.6 | 3857.7 | 3807.8 | 3517.7 | 3422.5 | 3340.9 | 3272.9 | 3250.3 |
| 50°   | 13626.6 | 6736.2 | 3744.4 | 3717.2 | 3721.7 | 3635.6 | 3359.0 | 3295.6 | 3191.3 | 3146.0 | 3114.3 |
| 52.5° | 13318.3 | 6224.0 | 3513.2 | 3522.2 | 3535.8 | 3395.3 | 3164.1 | 3118.8 | 3032.7 | 2969.2 | 2951.1 |
| 55°   | 12452.5 | 5426.2 | 3286.5 | 3322.8 | 3359.0 | 3091.6 | 3019.1 | 2905.7 | 2837.7 | 2747.1 | 2751.6 |
| 57.5° | 10970.2 | 4369.9 | 2969.2 | 3028.1 | 3105.2 | 2810.5 | 2756.1 | 2615.6 | 2515.9 | 2443.4 | 2434.3 |
| 60°   | 7352.7  | 3109.7 | 2493.2 | 2515.9 | 2688.1 | 2570.3 | 2565.7 | 2425.2 | 2289.2 | 2225.8 | 2189.5 |
| 62.5° | 4338.2  | 2375.4 | 2153.2 | 2130.6 | 2126.0 | 2194.0 | 2307.4 | 2257.5 | 2080.7 | 1958.3 | 1994.6 |
| 65°   | 2271.1  | 2053.5 | 2003.6 | 1926.6 | 1881.2 | 1863.1 | 1949.2 | 1971.9 | 1854.0 | 1722.6 | 1713.5 |
| 67.5° | 1908.4  | 1908.4 | 1867.6 | 1840.4 | 1777.0 | 1699.9 | 1645.5 | 1573.0 | 1554.9 | 1518.6 | 1473.3 |
| 70°   | 1736.2  | 1781.5 | 1767.9 | 1704.5 | 1650.1 | 1563.9 | 1423.4 | 1305.5 | 1192.2 | 1151.4 | 1178.6 |
| 72.5° | 1514.1  | 1559.4 | 1559.4 | 1527.7 | 1455.1 | 1323.7 | 1187.7 | 1051.7 | 956.5  | 884.0  | 874.9  |
| 75°   | 1165.0  | 1187.7 | 1242.1 | 1205.8 | 1110.6 | 1029.0 | 888.5  | 748.0  | 657.3  | 589.3  | 575.7  |
| 77.5° | 743.4   | 779.7  | 779.7  | 775.2  | 707.2  | 630.1  | 539.4  | 439.7  | 371.7  | 321.9  | 308.3  |
| 80°   | 494.1   | 516.8  | 534.9  | 516.8  | 471.4  | 412.5  | 344.5  | 276.5  | 226.7  | 185.9  | 176.8  |
| 82.5° | 362.6   | 389.8  | 403.4  | 385.3  | 340.0  | 294.7  | 244.8  | 194.9  | 145.1  | 113.3  | 104.3  |
| 85°   | 140.5   | 145.1  | 163.2  | 194.9  | 190.4  | 185.9  | 149.6  | 108.8  | 81.6   | 58.9   | 54.4   |
| 87.5° | 36.3    | 31.7   | 36.3   | 36.3   | 31.7   | 27.2   | 27.2   | 27.2   | 27.2   | 13.6   | 18.1   |
| 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)