

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: P455418

Luminaire Tested: **GLAN-SA6C-760-U-SL3-HSS**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P455418  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6C-760-U-SL3-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34486 lumens  
Efficiency: N/A  
Efficacy: 107.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G5

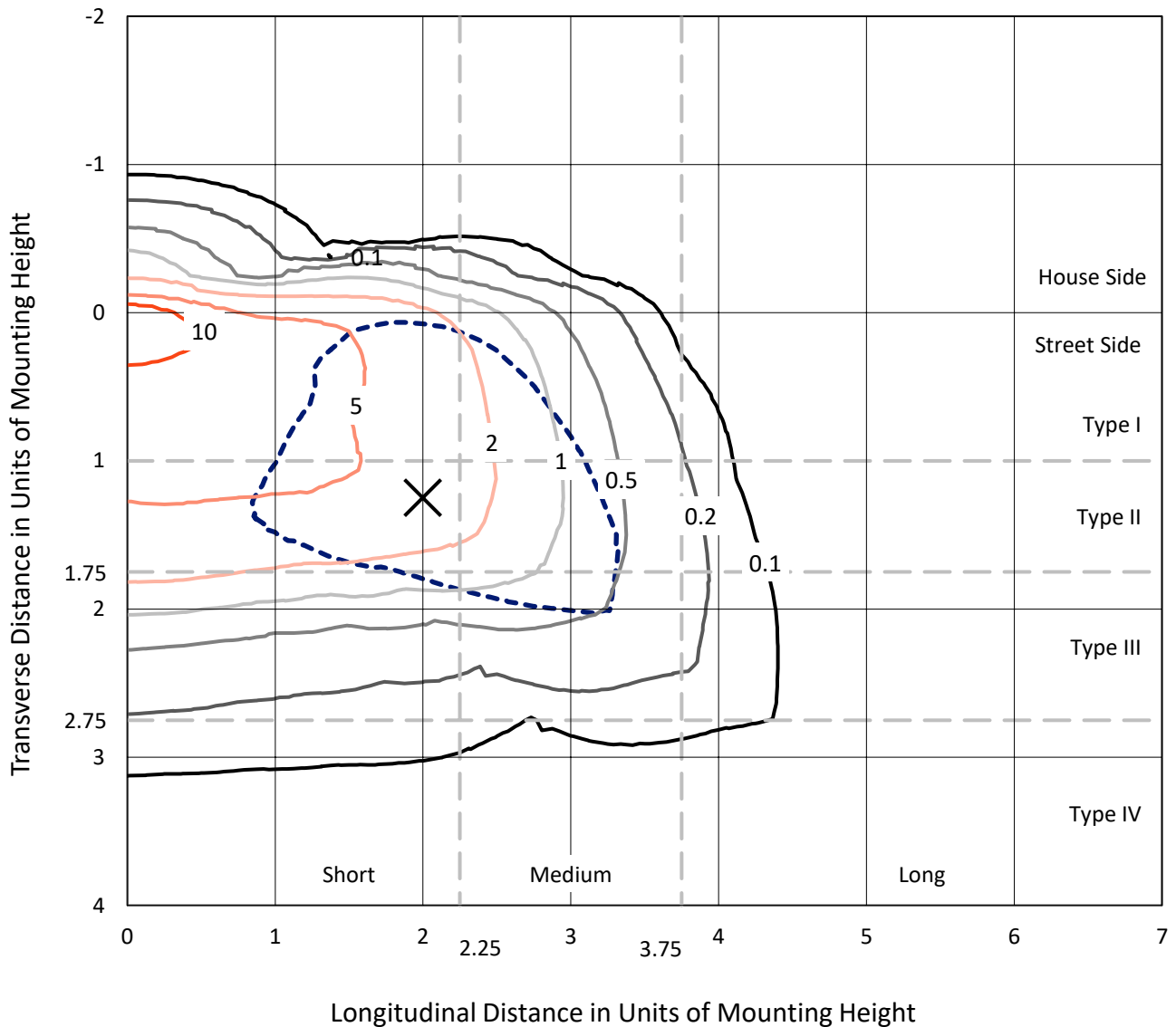
Input Watts (W): 321  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

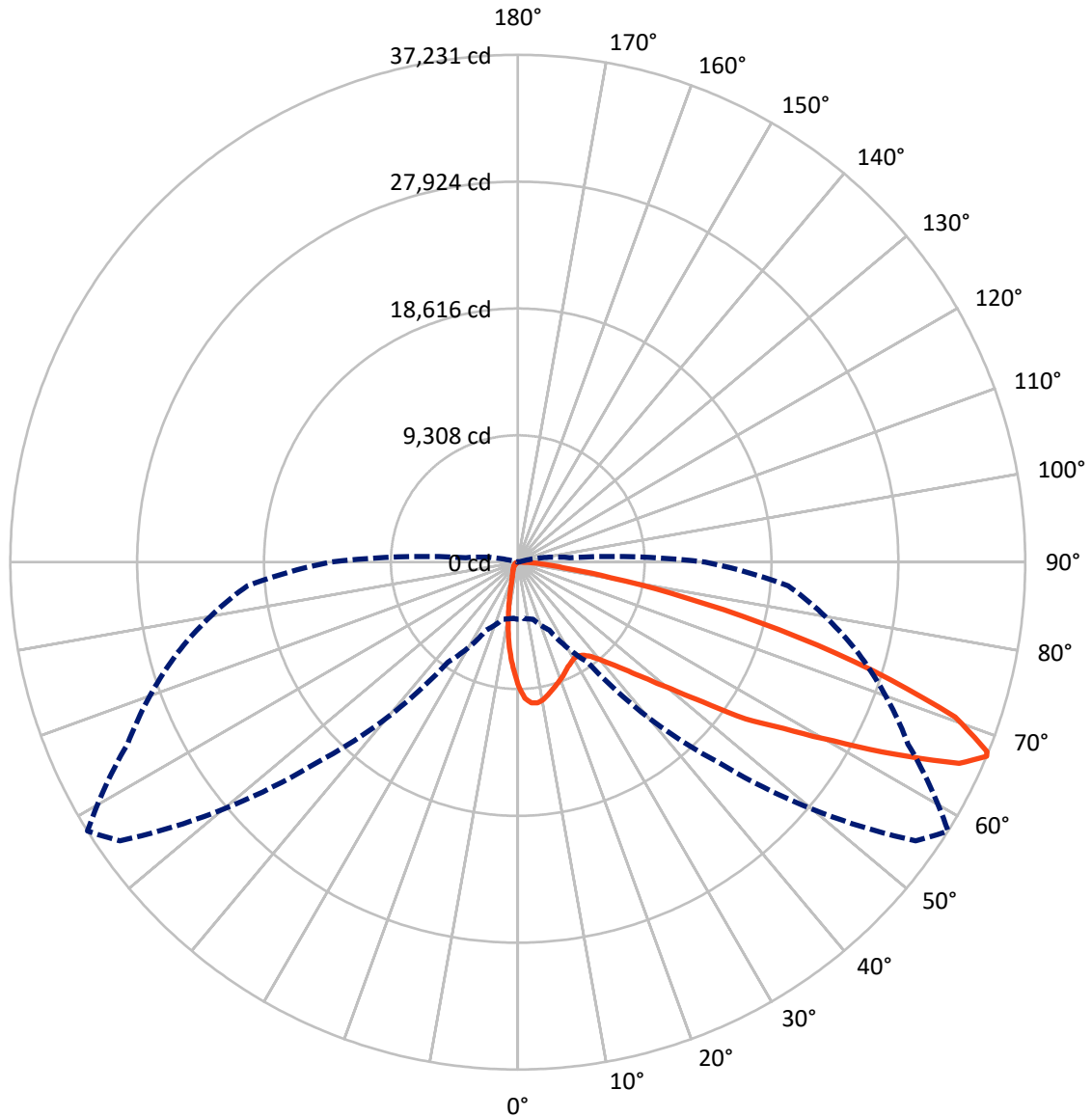
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.2 fc  
 Type III - Short - N/A

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CATALOG NUMBER: GLAN-SA6C-760-U-SL3-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral    - - - Horizontal Cone Through 67-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2488.7   | 0.0    | 2488.7  |
|                    | % Fixture | 7.2      | 0.0    | 7.2     |
| <b>Street Side</b> | Lumens    | 31997.3  | 0.0    | 31997.3 |
|                    | % Fixture | 92.8     | 0.0    | 92.8    |
| <b>Total</b>       | Lumens    | 34486.0  | 0.0    | 34486.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 741.8   | 2.2       |
| 10°-20°   | 1602.2  | 4.6       |
| 20°-30°   | 2171.1  | 6.3       |
| 30°-40°   | 3011.2  | 8.7       |
| 40°-50°   | 4802.5  | 13.9      |
| 50°-60°   | 8301.5  | 24.1      |
| 60°-70°   | 9482.9  | 27.5      |
| 70°-80°   | 3953.5  | 11.5      |
| 80°-90°   | 419.2   | 1.2       |
| 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°    | 34486.0 | 100.0     |
| 0°-180°   | 34486.0 | 100.0     |



REPORT NUMBER: P455418

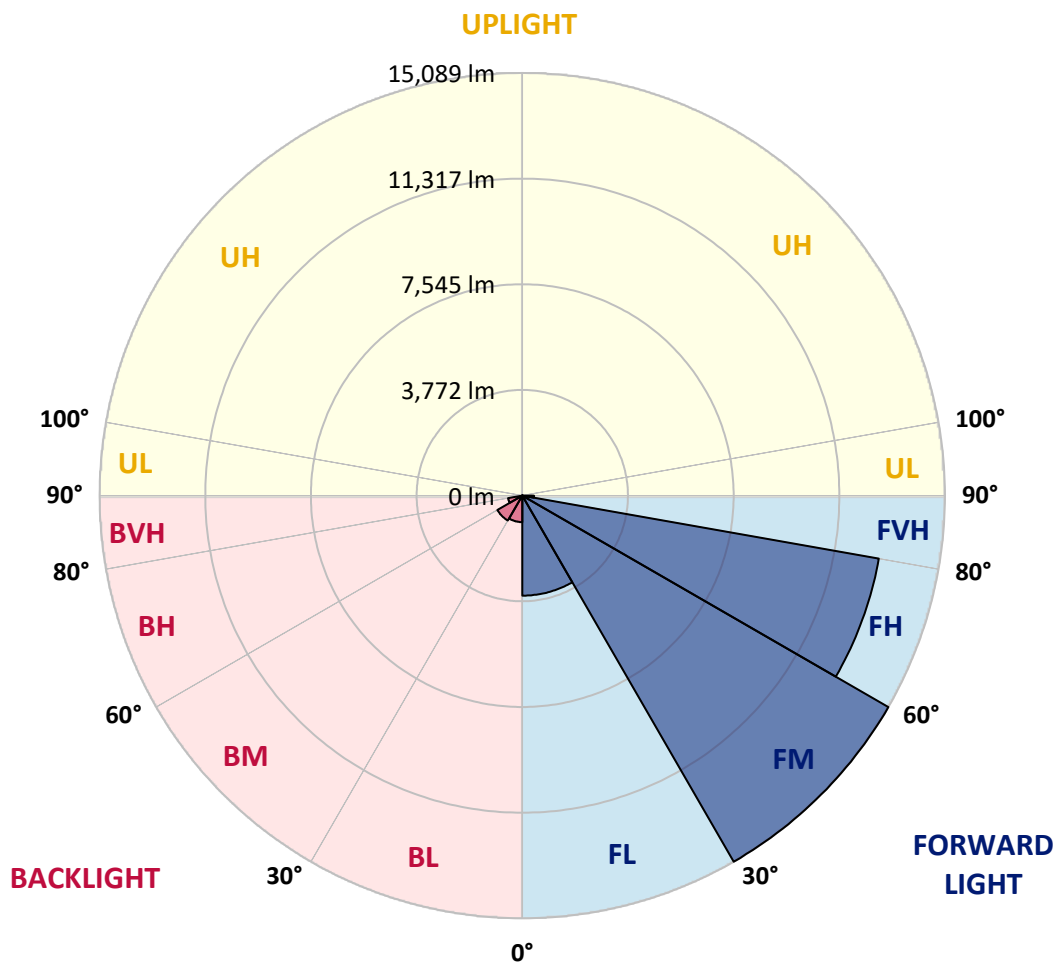
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|---------|-----------|-------------------------|------|---------|
|                |         |           | B                       | U    | G       |
| FL (0°-30°)    | 3570.1  | 10.4      |                         |      |         |
| FM (30°-60°)   | 15089.1 | 43.8      |                         |      |         |
| FH (60°-80°)   | 12921.9 | 37.5      |                         |      | G5      |
| FVH (80°-90°)  | 416.1   | 1.2       |                         |      | G3/500  |
| BL (0°-30°)    | 945.0   | 2.7       | B2/1000                 |      |         |
| BM (30°-60°)   | 1026.2  | 3.0       | B2/2500                 |      |         |
| BH (60°-80°)   | 514.5   | 1.5       | B2/1000                 |      | G2/1000 |
| BVH (80°-90°)  | 3.0     | 0.0       |                         |      | G0/10   |
| UL (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G5**

Type III Short





REPORT NUMBER: P455418

CATALOG NUMBER: GLAN-SA6C-760-U-SL3-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 58°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 9141.9  | 9141.9  | 9141.9  | 9141.9  | 9141.9  | 9141.9  | 9141.9  | 9141.9  | 9141.9  | 9141.9  | 9141.9  |
| 2.5°  | 10609.9 | 10626.0 | 10566.1 | 10517.7 | 10393.3 | 10259.6 | 10082.2 | 9987.7  | 9826.4  | 9547.5  | 9238.7  |
| 5°    | 10858.8 | 10879.5 | 10870.3 | 10858.8 | 10810.4 | 10681.3 | 10455.5 | 10372.5 | 10135.2 | 9681.2  | 9123.5  |
| 7.5°  | 10305.7 | 10381.7 | 10391.0 | 10480.8 | 10566.1 | 10577.6 | 10492.4 | 10430.1 | 10211.2 | 9678.9  | 8918.4  |
| 10°   | 9572.9  | 9623.6  | 9697.3  | 9801.0  | 10006.1 | 10176.6 | 10259.6 | 10250.4 | 10123.6 | 9607.4  | 8678.7  |
| 12.5° | 8833.1  | 8860.8  | 8973.7  | 9151.1  | 9402.3  | 9692.7  | 9913.9  | 9957.7  | 9960.0  | 9522.2  | 8478.2  |
| 15°   | 8197.1  | 8185.6  | 8273.1  | 8478.2  | 8830.8  | 9194.9  | 9591.3  | 9660.4  | 9771.0  | 9439.2  | 8291.6  |
| 17.5° | 7653.2  | 7713.1  | 7727.0  | 7952.8  | 8277.7  | 8750.2  | 9254.8  | 9377.0  | 9598.2  | 9367.8  | 8137.2  |
| 20°   | 7316.8  | 7349.0  | 7379.0  | 7505.7  | 7798.4  | 8296.2  | 8939.1  | 9107.4  | 9436.9  | 9303.2  | 7964.3  |
| 22.5° | 7217.7  | 7238.4  | 7213.1  | 7252.2  | 7459.6  | 7902.1  | 8595.8  | 8819.3  | 9282.5  | 9243.3  | 7823.8  |
| 25°   | 7293.7  | 7314.5  | 7254.5  | 7208.5  | 7279.9  | 7581.8  | 8263.9  | 8535.8  | 9158.1  | 9231.8  | 7717.7  |
| 27.5° | 7478.1  | 7517.3  | 7434.3  | 7351.3  | 7309.9  | 7408.9  | 8003.5  | 8319.2  | 9072.8  | 9287.1  | 7669.4  |
| 30°   | 7766.1  | 7789.2  | 7727.0  | 7625.6  | 7531.1  | 7432.0  | 7867.5  | 8169.4  | 9049.7  | 9416.2  | 7664.7  |
| 32.5° | 8079.6  | 8127.9  | 8093.4  | 8026.5  | 7904.4  | 7669.4  | 7906.7  | 8174.0  | 9105.1  | 9602.8  | 7722.4  |
| 35°   | 8466.7  | 8522.0  | 8554.3  | 8540.4  | 8383.7  | 8091.1  | 8155.6  | 8381.4  | 9252.5  | 9946.2  | 7879.1  |
| 37.5° | 8846.9  | 8895.3  | 9077.4  | 9139.6  | 9001.3  | 8724.8  | 8639.5  | 8789.3  | 9577.5  | 10395.6 | 8162.5  |
| 40°   | 9282.5  | 9347.0  | 9602.8  | 9840.2  | 9773.4  | 9483.0  | 9326.3  | 9450.7  | 10075.2 | 11073.1 | 8699.5  |
| 42.5° | 9699.6  | 9814.8  | 10204.3 | 10623.7 | 10685.9 | 10361.0 | 10257.3 | 10298.8 | 10812.7 | 12047.9 | 9448.4  |
| 45°   | 10291.9 | 10400.2 | 10902.6 | 11471.8 | 11764.4 | 11510.9 | 11404.9 | 11398.0 | 11824.4 | 13419.1 | 10662.9 |
| 47.5° | 11146.8 | 11243.6 | 11835.9 | 12398.2 | 12919.0 | 12953.6 | 12753.1 | 12822.2 | 13096.4 | 15023.0 | 12151.6 |
| 50°   | 12195.4 | 12423.5 | 12813.0 | 13398.3 | 14094.3 | 14656.6 | 14718.8 | 14626.6 | 14861.7 | 16880.4 | 13939.9 |
| 52.5° | 13718.6 | 13806.2 | 14163.4 | 14645.1 | 15460.8 | 16414.9 | 17154.6 | 17027.9 | 16954.2 | 18650.3 | 15746.6 |
| 55°   | 14854.8 | 14972.3 | 15527.7 | 16189.1 | 17385.1 | 18643.3 | 20247.3 | 20291.1 | 19360.0 | 20351.0 | 17514.1 |
| 57.5° | 14511.4 | 14691.1 | 15532.3 | 16862.0 | 19491.4 | 21791.3 | 22985.0 | 23015.0 | 21586.2 | 22003.3 | 19509.8 |
| 60°   | 12748.5 | 12833.7 | 14039.0 | 15813.4 | 19671.1 | 25201.9 | 26868.1 | 26626.1 | 23851.5 | 23851.5 | 21272.8 |
| 62.5° | 9040.5  | 9174.2  | 10151.3 | 12762.3 | 17765.3 | 26386.4 | 31518.5 | 31018.5 | 26971.8 | 25619.0 | 22323.6 |
| 65°   | 5777.4  | 5648.3  | 6295.9  | 8056.5  | 13234.7 | 24637.3 | 35567.5 | 35597.5 | 29907.7 | 26326.5 | 21749.8 |
| 67°   | 4185.0  | 4134.3  | 4320.9  | 5507.7  | 8973.7  | 20710.5 | 35652.8 | 37231.4 | 31594.6 | 25879.5 | 19915.4 |
| 67.5° | 3827.8  | 3866.9  | 4002.9  | 4968.5  | 8153.3  | 18846.1 | 35265.6 | 37134.6 | 31974.8 | 25609.8 | 19251.7 |
| 70°   | 2901.4  | 2834.5  | 2982.0  | 3514.4  | 4887.8  | 11888.9 | 30336.3 | 34058.1 | 31502.4 | 22934.3 | 15382.5 |
| 72.5° | 2134.0  | 2127.0  | 2332.1  | 2873.7  | 3763.2  | 6332.7  | 22773.0 | 27308.2 | 25736.6 | 17463.4 | 9685.8  |
| 75°   | 1440.3  | 1504.8  | 1832.1  | 2401.3  | 3410.6  | 4106.6  | 15525.4 | 19811.7 | 17866.7 | 9916.2  | 3959.1  |
| 77.5° | 820.4   | 825.0   | 1179.9  | 1928.9  | 3062.7  | 3304.6  | 9199.5  | 12621.7 | 9457.6  | 3297.7  | 1175.3  |
| 80°   | 354.9   | 389.5   | 585.3   | 1401.1  | 2539.6  | 2926.7  | 5275.0  | 6936.5  | 3825.5  | 698.3   | 380.2   |
| 82.5° | 131.4   | 154.4   | 258.1   | 861.9   | 1852.8  | 2410.5  | 3187.1  | 3311.6  | 1297.4  | 246.6   | 237.4   |
| 85°   | 0.0     | 4.6     | 94.5    | 403.3   | 965.6   | 1076.2  | 2129.4  | 1963.4  | 573.8   | 117.5   | 154.4   |
| 87.5° | 0.0     | 0.0     | 0.0     | 41.5    | 126.7   | 401.0   | 661.4   | 737.4   | 138.3   | 41.5    | 36.9    |
| 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°    | 9141.9  | 9141.9 | 9141.9 | 9141.9 | 9141.9 | 9141.9 | 9141.9 | 9141.9 | 9141.9 | 9141.9 | 9141.9 |
| 2.5°  | 9072.8  | 8923.0 | 8547.4 | 8171.7 | 7892.9 | 7660.1 | 7309.9 | 7118.6 | 7017.2 | 6867.4 | 6876.6 |
| 5°    | 8844.6  | 8540.4 | 7879.1 | 7194.6 | 6641.5 | 6102.3 | 5457.0 | 5196.6 | 4977.7 | 4853.3 | 4770.3 |
| 7.5°  | 8505.9  | 8056.5 | 7077.1 | 6164.5 | 5314.2 | 4371.6 | 3664.1 | 3191.7 | 2873.7 | 2756.2 | 2643.3 |
| 10°   | 8134.9  | 7538.0 | 6263.6 | 4998.4 | 3818.5 | 2846.0 | 2246.9 | 1813.6 | 1659.2 | 1516.4 | 1530.2 |
| 12.5° | 7791.5  | 7065.6 | 5517.0 | 3945.3 | 2675.5 | 1809.0 | 1410.3 | 1232.9 | 1182.2 | 1166.1 | 1166.1 |
| 15°   | 7510.3  | 6613.9 | 4715.0 | 2965.9 | 1834.4 | 1299.7 | 1129.2 | 1080.8 | 1062.4 | 1057.8 | 1057.8 |
| 17.5° | 7210.8  | 6185.3 | 3991.4 | 2191.6 | 1334.3 | 1087.7 | 1030.1 | 997.8  | 990.9  | 986.3  | 986.3  |
| 20°   | 6943.4  | 5754.3 | 3304.6 | 1631.6 | 1078.5 | 979.4  | 942.5  | 921.8  | 914.9  | 910.3  | 912.6  |
| 22.5° | 6689.9  | 5371.8 | 2659.4 | 1232.9 | 949.5  | 891.8  | 855.0  | 834.2  | 820.4  | 808.9  | 811.2  |
| 25°   | 6464.1  | 5003.1 | 2138.6 | 1009.4 | 855.0  | 804.3  | 767.4  | 737.4  | 707.5  | 693.7  | 691.3  |
| 27.5° | 6305.1  | 4680.4 | 1666.1 | 864.2  | 769.7  | 714.4  | 668.3  | 631.4  | 592.3  | 571.5  | 566.9  |
| 30°   | 6173.7  | 4353.2 | 1318.2 | 762.8  | 684.4  | 631.4  | 573.8  | 520.8  | 479.3  | 458.6  | 449.4  |
| 32.5° | 6088.5  | 4042.1 | 1039.3 | 679.8  | 613.0  | 548.5  | 483.9  | 430.9  | 384.9  | 364.1  | 359.5  |
| 35°   | 6074.6  | 3781.7 | 850.4  | 610.7  | 548.5  | 479.3  | 412.5  | 354.9  | 315.7  | 295.0  | 290.4  |
| 37.5° | 6173.7  | 3581.2 | 712.1  | 555.4  | 495.5  | 419.4  | 345.7  | 292.7  | 258.1  | 242.0  | 239.7  |
| 40°   | 6438.8  | 3454.4 | 617.6  | 509.3  | 447.1  | 364.1  | 295.0  | 248.9  | 214.3  | 198.2  | 198.2  |
| 42.5° | 6943.4  | 3459.0 | 555.4  | 465.5  | 398.7  | 311.1  | 251.2  | 207.4  | 177.4  | 163.6  | 159.0  |
| 45°   | 7731.6  | 3615.7 | 502.4  | 421.7  | 352.6  | 269.6  | 214.3  | 170.5  | 140.6  | 129.1  | 129.1  |
| 47.5° | 8787.0  | 3926.9 | 456.3  | 377.9  | 311.1  | 230.4  | 182.1  | 138.3  | 112.9  | 101.4  | 101.4  |
| 50°   | 10167.4 | 4426.9 | 417.1  | 341.1  | 276.5  | 198.2  | 147.5  | 112.9  | 87.6   | 78.4   | 76.0   |
| 52.5° | 11610.0 | 5044.5 | 371.0  | 308.8  | 237.4  | 168.2  | 119.8  | 87.6   | 66.8   | 59.9   | 57.6   |
| 55°   | 13202.4 | 5648.3 | 327.2  | 276.5  | 193.6  | 140.6  | 94.5   | 69.1   | 48.4   | 41.5   | 41.5   |
| 57.5° | 14808.7 | 6240.6 | 274.2  | 230.4  | 152.1  | 103.7  | 73.7   | 50.7   | 32.3   | 25.3   | 25.3   |
| 60°   | 16168.3 | 6431.8 | 232.8  | 186.7  | 115.2  | 73.7   | 53.0   | 32.3   | 18.4   | 11.5   | 11.5   |
| 62.5° | 16355.0 | 5786.6 | 195.9  | 142.9  | 83.0   | 50.7   | 27.7   | 18.4   | 6.9    | 4.6    | 4.6    |
| 65°   | 15341.0 | 4701.2 | 163.6  | 108.3  | 55.3   | 25.3   | 11.5   | 6.9    | 2.3    | 0.0    | 0.0    |
| 67°   | 13746.3 | 3811.6 | 133.7  | 80.7   | 39.2   | 16.1   | 6.9    | 2.3    | 0.0    | 0.0    | 0.0    |
| 67.5° | 13338.4 | 3634.2 | 129.1  | 76.0   | 34.6   | 13.8   | 4.6    | 2.3    | 0.0    | 0.0    | 0.0    |
| 70°   | 10467.0 | 2721.6 | 92.2   | 46.1   | 20.7   | 9.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5° | 6505.6  | 1539.4 | 66.8   | 27.7   | 13.8   | 4.6    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°   | 2458.9  | 539.3  | 46.1   | 18.4   | 9.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 765.1   | 205.1  | 27.7   | 13.8   | 4.6    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 258.1   | 78.4   | 18.4   | 4.6    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 159.0   | 32.3   | 11.5   | 2.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 99.1    | 13.8   | 4.6    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 18.4    | 4.6    | 2.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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)