

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: P530961

Luminaire Tested: **GLAN-SA6B-727-U-SL2-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530961  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6B-727-U-SL2-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16471 lumens  
Efficiency: N/A  
Efficacy: 67.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G1

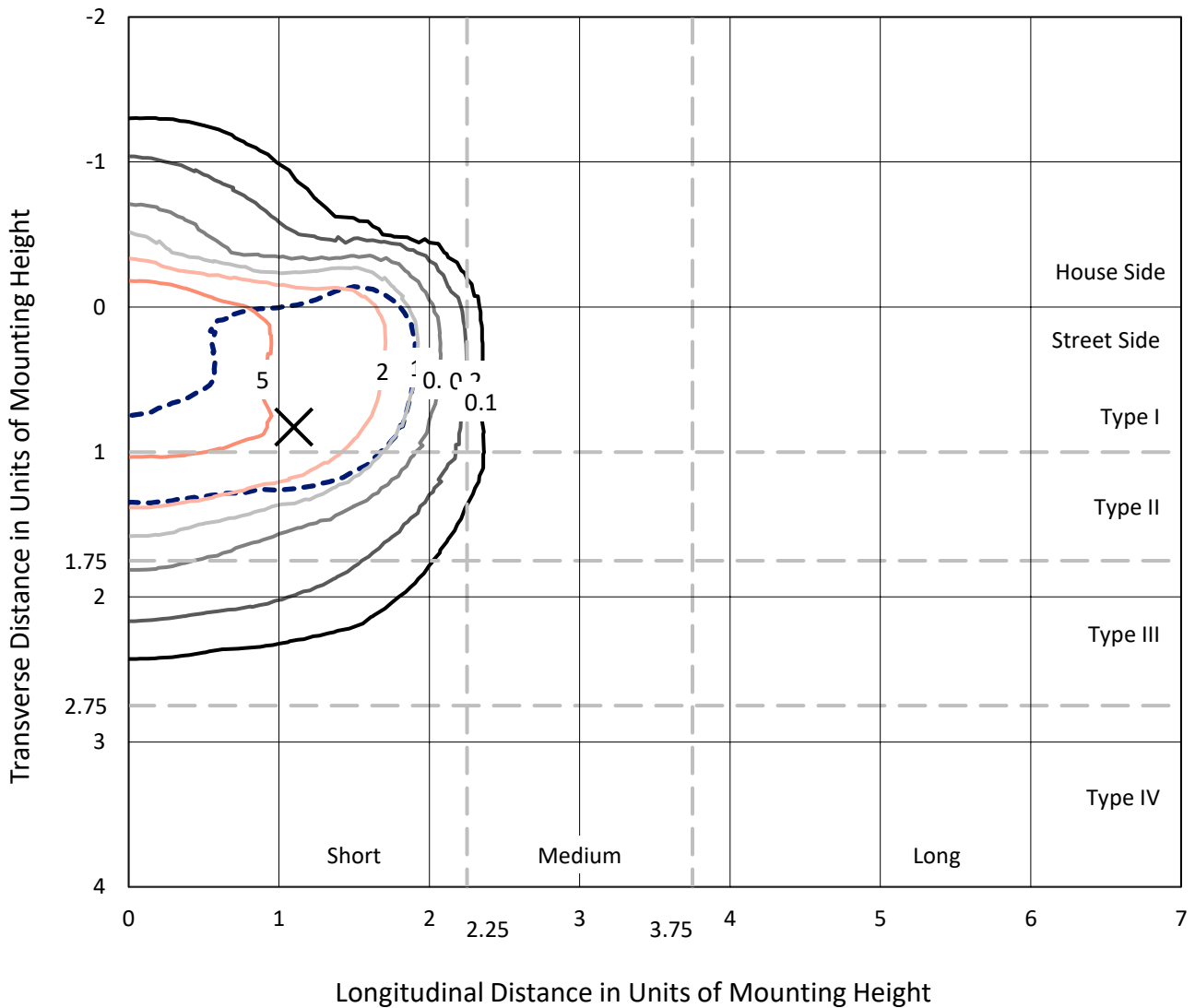
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

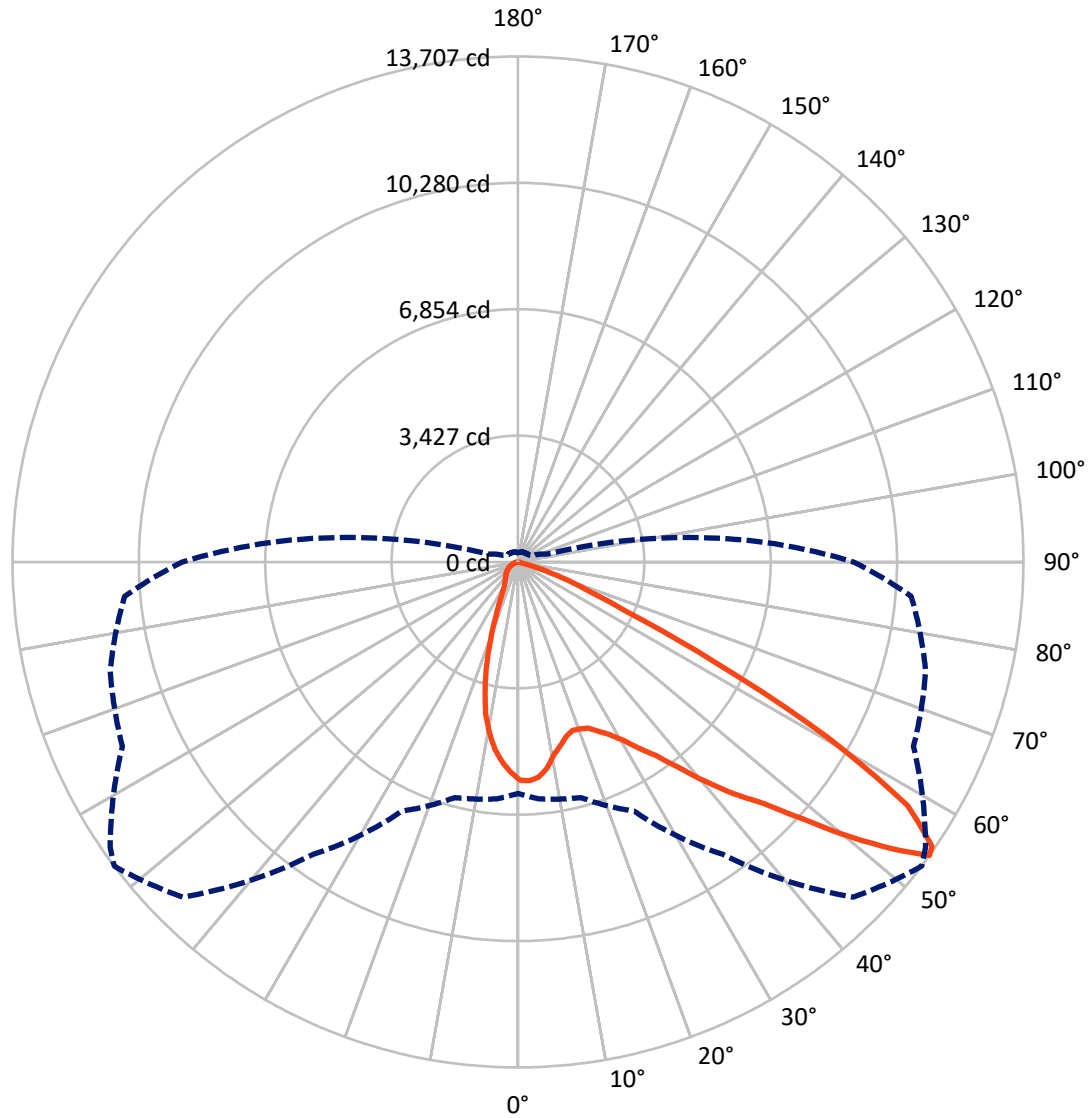
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral      - - - Horizontal Cone Through 54-Deg Vertical

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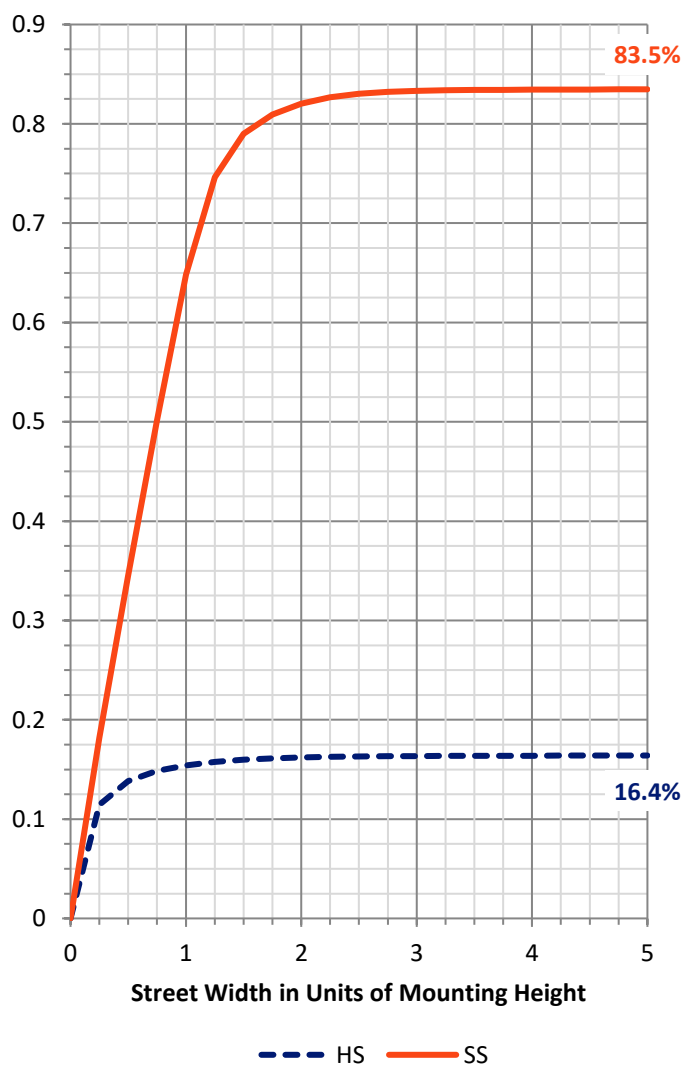
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2725.2   | 0.0    | 2725.2  |
|                    | % Fixture | 16.5     | 0.0    | 16.5    |
| <b>Street Side</b> | Lumens    | 13745.8  | 0.0    | 13745.8 |
|                    | % Fixture | 83.5     | 0.0    | 83.5    |
| <b>Total</b>       | Lumens    | 16471.0  | 0.0    | 16471.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 507.6   | 3.1       |
| 10°-20°   | 1163.7  | 7.1       |
| 20°-30°   | 1653.9  | 10.0      |
| 30°-40°   | 2552.4  | 15.5      |
| 40°-50°   | 4002.0  | 24.3      |
| 50°-60°   | 4648.9  | 28.2      |
| 60°-70°   | 1756.6  | 10.7      |
| 70°-80°   | 167.0   | 1.0       |
| 80°-90°   | 18.8    | 0.1       |
| 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°    | 16471.0 | 100.0     |
| 0°-180°   | 16471.0 | 100.0     |

**Coefficient of Utilization**



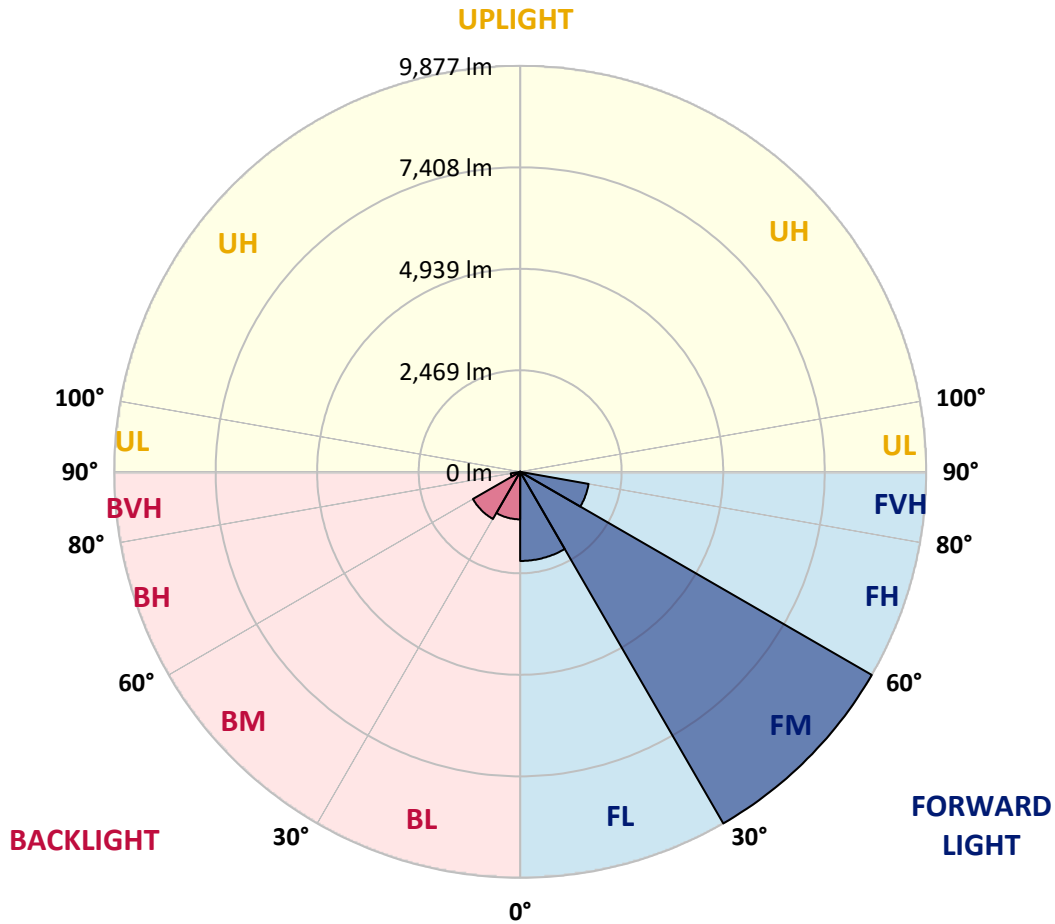
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 2168.8 | 13.2      |                         |      |         |
| FM (30°-60°)   | 9877.1 | 60.0      |                         |      |         |
| FH (60°-80°)   | 1690.2 | 10.3      |                         |      | G1/1800 |
| FVH (80°-90°)  | 9.7    | 0.1       |                         |      | G0/10   |
| BL (0°-30°)    | 1156.4 | 7.0       | B3/2500                 |      |         |
| BM (30°-60°)   | 1326.1 | 8.1       | B2/2500                 |      |         |
| BH (60°-80°)   | 233.5  | 1.4       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 9.1    | 0.1       |                         |      | G0/10   |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°     | 35°     | 45°     | 53°     | 55°     | 65°     | 75°     | 85°     |
|-------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5916.1 | 5916.1 | 5916.1 | 5916.1  | 5916.1  | 5916.1  | 5916.1  | 5916.1  | 5916.1  | 5916.1  | 5916.1  |
| 2.5°  | 5885.4 | 5833.3 | 5885.4 | 5891.6  | 5928.4  | 5962.1  | 5940.7  | 5989.7  | 5962.1  | 5931.4  | 5922.2  |
| 5°    | 5409.8 | 5480.4 | 5483.4 | 5593.9  | 5569.4  | 5771.9  | 5860.9  | 5836.3  | 5986.7  | 5977.5  | 5956.0  |
| 7.5°  | 4983.3 | 4955.7 | 4992.5 | 5121.4  | 5284.0  | 5517.2  | 5646.1  | 5643.0  | 5857.8  | 6011.2  | 5995.9  |
| 10°   | 4587.4 | 4584.4 | 4661.1 | 4762.3  | 4900.4  | 5145.9  | 5323.9  | 5412.9  | 5747.3  | 5980.5  | 6014.3  |
| 12.5° | 4320.5 | 4308.2 | 4391.1 | 4473.9  | 4691.8  | 4882.0  | 5109.1  | 5152.0  | 5535.6  | 5873.1  | 5928.4  |
| 15°   | 4145.6 | 4173.2 | 4179.3 | 4338.9  | 4477.0  | 4728.6  | 4906.6  | 4995.5  | 5437.4  | 5787.2  | 5999.0  |
| 17.5° | 4114.9 | 4151.7 | 4154.8 | 4286.7  | 4434.0  | 4645.7  | 4802.2  | 4921.9  | 5354.6  | 5830.2  | 6002.0  |
| 20°   | 4176.3 | 4154.8 | 4173.2 | 4256.0  | 4400.3  | 4602.8  | 4829.8  | 4869.7  | 5326.9  | 5851.7  | 6035.8  |
| 22.5° | 4351.2 | 4345.0 | 4299.0 | 4366.5  | 4467.8  | 4679.5  | 4894.3  | 4955.7  | 5406.7  | 5962.1  | 6063.4  |
| 25°   | 4544.5 | 4578.2 | 4535.3 | 4526.1  | 4596.6  | 4805.3  | 5090.7  | 5170.5  | 5673.7  | 6161.6  | 6149.3  |
| 27.5° | 4906.6 | 4872.8 | 4872.8 | 4829.8  | 4811.4  | 4912.7  | 5302.4  | 5434.3  | 5971.3  | 6419.3  | 6247.5  |
| 30°   | 5253.3 | 5290.1 | 5262.5 | 5277.9  | 5155.1  | 5145.9  | 5603.1  | 5765.7  | 6499.1  | 6812.1  | 6456.2  |
| 32.5° | 5802.6 | 5753.5 | 5799.5 | 5759.6  | 5597.0  | 5431.3  | 6011.2  | 6180.0  | 7137.4  | 7263.2  | 6769.2  |
| 35°   | 6259.8 | 6238.3 | 6434.7 | 6428.5  | 6164.7  | 6002.0  | 6443.9  | 6695.5  | 7582.3  | 7803.2  | 7137.4  |
| 37.5° | 6910.3 | 6870.4 | 7094.4 | 7201.8  | 6965.5  | 6723.1  | 7063.7  | 7355.2  | 7996.6  | 8235.9  | 7514.8  |
| 40°   | 7579.2 | 7680.5 | 7981.2 | 8159.2  | 7907.6  | 7585.4  | 7821.7  | 7910.6  | 8272.7  | 8518.2  | 7772.6  |
| 42.5° | 8426.2 | 8573.4 | 8880.3 | 9033.7  | 9012.2  | 8662.4  | 8591.9  | 8588.8  | 8472.2  | 8438.4  | 7962.8  |
| 45°   | 9239.3 | 9184.1 | 9656.6 | 9991.1  | 10261.1 | 10159.9 | 9334.4  | 9242.4  | 8788.2  | 8558.1  | 8011.9  |
| 47.5° | 9595.3 | 9576.8 | 9899.0 | 10494.3 | 11414.9 | 11540.7 | 10414.6 | 10058.6 | 9322.2  | 9061.3  | 8278.9  |
| 50°   | 9135.0 | 9230.1 | 9549.2 | 10209.0 | 11620.5 | 12580.9 | 11740.2 | 11261.5 | 9945.1  | 9675.0  | 8911.0  |
| 52.5° | 7631.4 | 7695.8 | 7999.6 | 8837.3  | 10920.9 | 13194.6 | 13010.5 | 12734.4 | 11089.6 | 10641.6 | 10012.6 |
| 54°   | 6275.1 | 6447.0 | 6612.7 | 7453.4  | 9675.0  | 12854.0 | 13707.1 | 13495.3 | 11835.3 | 11445.6 | 10706.1 |
| 55°   | 5465.0 | 5566.3 | 5686.0 | 6523.7  | 8812.8  | 12277.1 | 13627.3 | 13645.7 | 12335.4 | 11697.2 | 11172.5 |
| 57.5° | 3992.1 | 4062.7 | 3940.0 | 4311.3  | 6051.1  | 9969.6  | 12464.3 | 12961.4 | 13010.5 | 12074.6 | 11457.9 |
| 60°   | 3050.1 | 3080.8 | 2942.7 | 3001.0  | 3762.0  | 6842.8  | 9641.3  | 10239.6 | 11737.1 | 10552.6 | 9705.7  |
| 62.5° | 2365.8 | 2372.0 | 2368.9 | 2470.2  | 2592.9  | 4025.9  | 6029.6  | 6560.5  | 8091.7  | 7493.3  | 6591.2  |
| 65°   | 1742.9 | 1715.3 | 1764.4 | 2071.3  | 2212.4  | 2531.5  | 3175.9  | 3562.6  | 4397.2  | 3712.9  | 2654.3  |
| 67.5° | 1129.2 | 1138.4 | 1187.5 | 1540.4  | 1896.3  | 1942.4  | 1954.6  | 1924.0  | 1927.0  | 1061.7  | 665.9   |
| 70°   | 678.1  | 693.5  | 678.1  | 871.5   | 1356.3  | 1393.1  | 1273.4  | 1242.8  | 969.7   | 251.6   | 248.6   |
| 72.5° | 402.0  | 380.5  | 340.6  | 374.4   | 564.6   | 675.1   | 607.6   | 604.5   | 380.5   | 147.3   | 147.3   |
| 75°   | 168.8  | 153.4  | 125.8  | 113.5   | 150.4   | 144.2   | 144.2   | 128.9   | 101.3   | 98.2    | 92.1    |
| 77.5° | 33.8   | 33.8   | 24.5   | 27.6    | 36.8    | 43.0    | 52.2    | 52.2    | 61.4    | 61.4    | 58.3    |
| 80°   | 0.0    | 3.1    | 9.2    | 18.4    | 27.6    | 39.9    | 46.0    | 46.0    | 52.2    | 52.2    | 43.0    |
| 82.5° | 0.0    | 3.1    | 9.2    | 18.4    | 24.5    | 36.8    | 46.0    | 46.0    | 52.2    | 55.2    | 46.0    |
| 85°   | 0.0    | 3.1    | 9.2    | 15.3    | 24.5    | 30.7    | 30.7    | 27.6    | 21.5    | 18.4    | 12.3    |
| 87.5° | 0.0    | 0.0    | 3.1    | 6.1     | 3.1     | 6.1     | 6.1     | 6.1     | 6.1     | 6.1     | 6.1     |
| 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°    | 5916.1 | 5916.1 | 5916.1 | 5916.1 | 5916.1 | 5916.1 | 5916.1 | 5916.1 | 5916.1 | 5916.1 | 5916.1 |
| 2.5°  | 5943.7 | 5940.7 | 5867.0 | 5747.3 | 5719.7 | 5618.5 | 5606.2 | 5544.8 | 5578.6 | 5465.0 | 5452.8 |
| 5°    | 5894.6 | 5857.8 | 5768.8 | 5692.1 | 5468.1 | 5308.5 | 5182.7 | 5029.3 | 4940.3 | 4955.7 | 4897.4 |
| 7.5°  | 5965.2 | 5870.1 | 5713.6 | 5446.6 | 5173.5 | 4894.3 | 4743.9 | 4430.9 | 4317.4 | 4148.6 | 4124.1 |
| 10°   | 5891.6 | 5821.0 | 5578.6 | 5136.7 | 4759.3 | 4357.3 | 4004.4 | 3657.7 | 3393.8 | 3280.2 | 3255.7 |
| 12.5° | 5885.4 | 5762.7 | 5357.6 | 4866.7 | 4320.5 | 3743.6 | 3231.2 | 2798.5 | 2537.7 | 2390.4 | 2356.6 |
| 15°   | 5790.3 | 5643.0 | 5109.1 | 4449.4 | 3694.5 | 2976.5 | 2418.0 | 2000.7 | 1801.2 | 1715.3 | 1739.9 |
| 17.5° | 5799.5 | 5578.6 | 4860.5 | 4007.5 | 3077.7 | 2184.8 | 1650.9 | 1436.1 | 1383.9 | 1405.4 | 1405.4 |
| 20°   | 5790.3 | 5434.3 | 4559.8 | 3498.1 | 2356.6 | 1515.8 | 1212.1 | 1135.4 | 1169.1 | 1236.6 | 1221.3 |
| 22.5° | 5741.2 | 5366.8 | 4283.7 | 2961.1 | 1733.7 | 1123.1 | 972.7  | 975.8  | 1028.0 | 1110.8 | 1129.2 |
| 25°   | 5778.0 | 5216.5 | 3933.8 | 2418.0 | 1264.2 | 896.0  | 843.8  | 865.3  | 920.6  | 981.9  | 994.2  |
| 27.5° | 5750.4 | 5109.1 | 3568.7 | 1877.9 | 923.6  | 770.2  | 767.1  | 791.7  | 816.2  | 862.3  | 862.3  |
| 30°   | 5781.1 | 5010.9 | 3209.7 | 1396.2 | 761.0  | 705.8  | 693.5  | 711.9  | 736.4  | 745.7  | 742.6  |
| 32.5° | 5894.6 | 4937.2 | 2795.4 | 1043.3 | 672.0  | 644.4  | 644.4  | 644.4  | 641.3  | 653.6  | 656.7  |
| 35°   | 6143.2 | 4949.5 | 2430.3 | 807.0  | 613.7  | 592.2  | 583.0  | 570.7  | 564.6  | 570.7  | 573.8  |
| 37.5° | 6413.2 | 4943.4 | 2052.8 | 687.3  | 570.7  | 552.3  | 530.9  | 512.4  | 509.4  | 515.5  | 506.3  |
| 40°   | 6532.9 | 5001.7 | 1703.0 | 616.8  | 530.9  | 509.4  | 475.6  | 460.3  | 463.3  | 469.5  | 463.3  |
| 42.5° | 6695.5 | 5020.1 | 1476.0 | 561.5  | 494.0  | 460.3  | 438.8  | 420.4  | 417.3  | 426.5  | 423.5  |
| 45°   | 6692.4 | 4915.8 | 1236.6 | 530.9  | 460.3  | 423.5  | 395.8  | 380.5  | 380.5  | 386.6  | 389.7  |
| 47.5° | 6888.8 | 4900.4 | 1061.7 | 503.2  | 435.7  | 398.9  | 365.2  | 352.9  | 349.8  | 349.8  | 343.7  |
| 50°   | 7346.0 | 5115.2 | 926.7  | 472.6  | 405.0  | 371.3  | 343.7  | 328.3  | 316.1  | 309.9  | 306.9  |
| 52.5° | 8239.0 | 5784.2 | 822.4  | 435.7  | 371.3  | 343.7  | 319.1  | 306.9  | 291.5  | 276.2  | 273.1  |
| 54°   | 9104.3 | 6474.6 | 816.2  | 405.0  | 343.7  | 325.3  | 303.8  | 297.6  | 279.2  | 257.8  | 251.6  |
| 55°   | 9494.0 | 6876.6 | 837.7  | 380.5  | 325.3  | 313.0  | 294.6  | 288.4  | 270.0  | 245.5  | 242.4  |
| 57.5° | 9816.2 | 7033.0 | 825.4  | 316.1  | 294.6  | 291.5  | 276.2  | 267.0  | 245.5  | 211.7  | 205.6  |
| 60°   | 7901.4 | 5317.7 | 592.2  | 279.2  | 270.0  | 263.9  | 251.6  | 245.5  | 217.9  | 181.0  | 178.0  |
| 62.5° | 4992.5 | 3059.3 | 377.4  | 245.5  | 236.3  | 227.1  | 211.7  | 205.6  | 181.0  | 144.2  | 135.0  |
| 65°   | 2126.5 | 1267.3 | 254.7  | 217.9  | 202.5  | 187.2  | 174.9  | 165.7  | 144.2  | 107.4  | 104.3  |
| 67.5° | 552.3  | 451.1  | 211.7  | 190.2  | 168.8  | 147.3  | 138.1  | 122.7  | 98.2   | 73.6   | 70.6   |
| 70°   | 248.6  | 227.1  | 178.0  | 159.6  | 135.0  | 113.5  | 101.3  | 85.9   | 64.4   | 49.1   | 46.0   |
| 72.5° | 147.3  | 144.2  | 135.0  | 119.7  | 101.3  | 85.9   | 73.6   | 58.3   | 43.0   | 27.6   | 27.6   |
| 75°   | 92.1   | 89.0   | 92.1   | 82.9   | 70.6   | 64.4   | 55.2   | 39.9   | 24.5   | 12.3   | 12.3   |
| 77.5° | 55.2   | 55.2   | 55.2   | 52.2   | 49.1   | 49.1   | 39.9   | 24.5   | 12.3   | 3.1    | 3.1    |
| 80°   | 43.0   | 43.0   | 46.0   | 43.0   | 43.0   | 43.0   | 33.8   | 18.4   | 6.1    | 0.0    | 0.0    |
| 82.5° | 43.0   | 46.0   | 52.2   | 49.1   | 43.0   | 36.8   | 30.7   | 18.4   | 6.1    | 0.0    | 0.0    |
| 85°   | 12.3   | 9.2    | 15.3   | 21.5   | 30.7   | 27.6   | 21.5   | 15.3   | 6.1    | 0.0    | 0.0    |
| 87.5° | 6.1    | 6.1    | 6.1    | 6.1    | 3.1    | 3.1    | 3.1    | 3.1    | 3.1    | 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)