

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: P455131

Luminaire Tested: **GLAN-SA6B-740-U-SL4**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P455131  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6B-740-U-SL4  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33028 lumens  
Efficiency: N/A  
Efficacy: 135.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

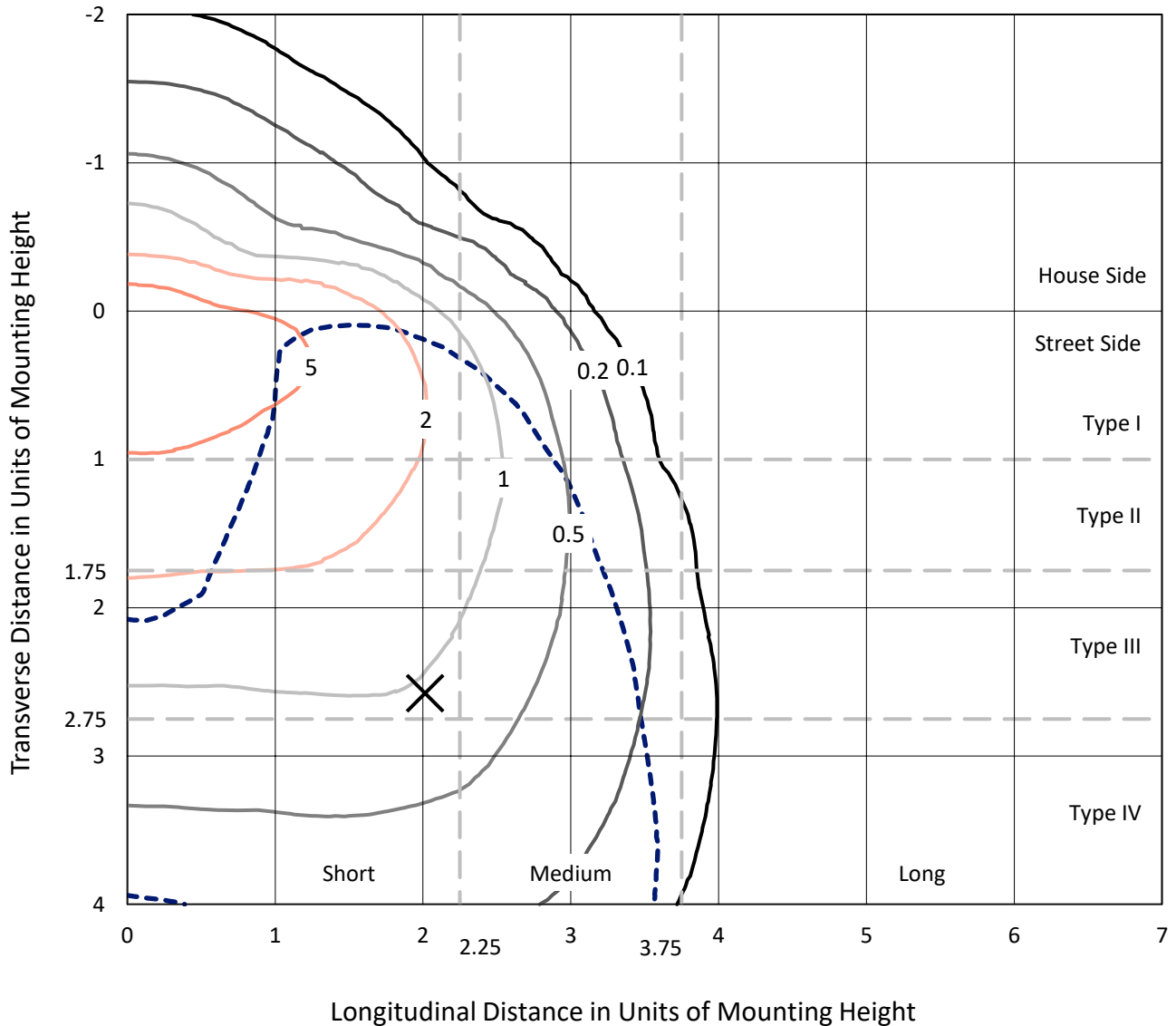
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

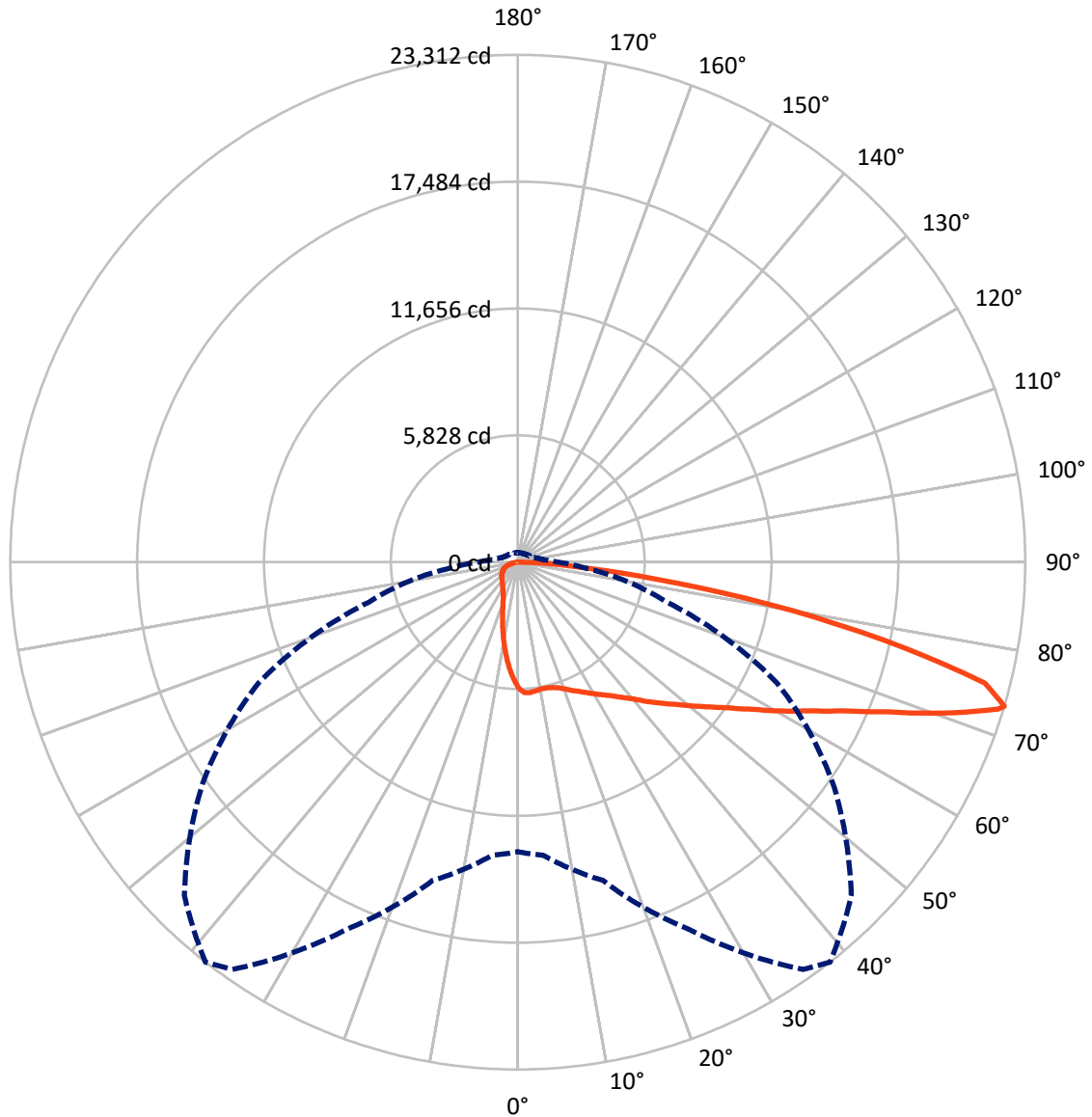
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral    - - - Horizontal Cone Through 73-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4439.9   | 0.0    | 4439.9  |
|                    | % Fixture | 13.4     | 0.0    | 13.4    |
| <b>Street Side</b> | Lumens    | 28588.1  | 0.0    | 28588.1 |
|                    | % Fixture | 86.6     | 0.0    | 86.6    |
| <b>Total</b>       | Lumens    | 33028.0  | 0.0    | 33028.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 506.5   | 1.5       |
| 10°-20°   | 1298.8  | 3.9       |
| 20°-30°   | 2022.5  | 6.1       |
| 30°-40°   | 2966.5  | 9.0       |
| 40°-50°   | 4400.5  | 13.3      |
| 50°-60°   | 6234.7  | 18.9      |
| 60°-70°   | 7908.8  | 23.9      |
| 70°-80°   | 6583.5  | 19.9      |
| 80°-90°   | 1106.1  | 3.3       |
| 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°    | 33028.0 | 100.0     |
| 0°-180°   | 33028.0 | 100.0     |

**Coefficient of Utilization**

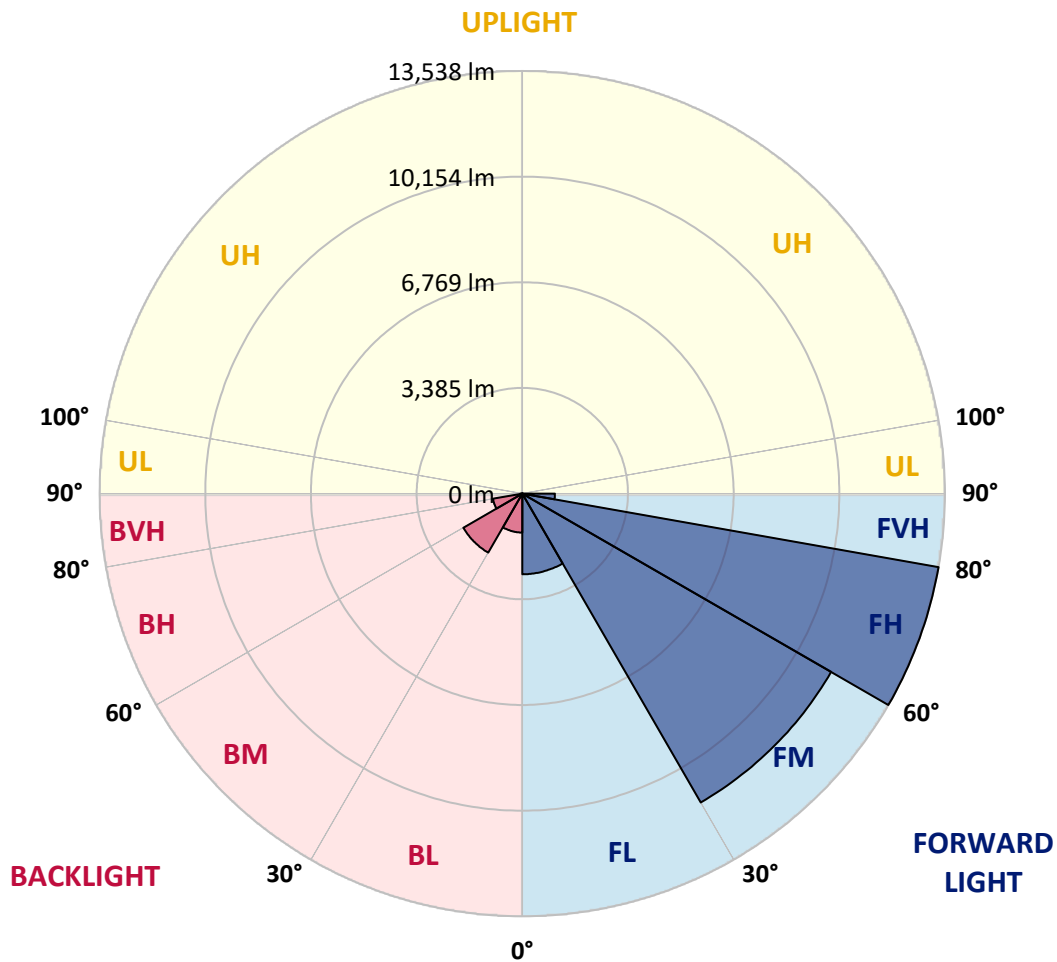


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|---------|-----------|-------------------------|------|---------|
|                |         |           | B                       | U    | G       |
| FL (0°-30°)    | 2581.9  | 7.8       |                         |      |         |
| FM (30°-60°)   | 11422.0 | 34.6      |                         |      |         |
| FH (60°-80°)   | 13538.0 | 41.0      |                         |      | G5      |
| FVH (80°-90°)  | 1046.1  | 3.2       |                         |      | G5      |
| BL (0°-30°)    | 1245.9  | 3.8       | B3/2500                 |      |         |
| BM (30°-60°)   | 2179.7  | 6.6       | B2/2500                 |      |         |
| BH (60°-80°)   | 954.3   | 2.9       | B2/1000                 |      | G2/1000 |
| BVH (80°-90°)  | 60.0    | 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-G5**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 38°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5802.5  | 5802.5  | 5802.5  | 5802.5  | 5802.5  | 5802.5  | 5802.5  | 5802.5  | 5802.5  | 5802.5  | 5802.5  |
| 2.5°  | 6035.6  | 6065.4  | 6050.5  | 6030.0  | 6017.0  | 6003.9  | 5985.2  | 5931.2  | 5888.3  | 5841.6  | 5768.9  |
| 5°    | 6080.4  | 6099.0  | 6086.0  | 6059.8  | 6030.0  | 6017.0  | 5981.5  | 5910.6  | 5841.6  | 5763.3  | 5655.1  |
| 7.5°  | 6054.3  | 6061.7  | 6046.8  | 6015.1  | 5989.0  | 5964.7  | 5923.7  | 5845.4  | 5761.4  | 5666.3  | 5524.6  |
| 10°   | 5961.0  | 5989.0  | 5989.0  | 5962.9  | 5936.8  | 5923.7  | 5882.7  | 5808.1  | 5731.6  | 5623.4  | 5455.5  |
| 12.5° | 5884.5  | 5914.4  | 5938.6  | 5931.2  | 5929.3  | 5929.3  | 5897.6  | 5841.6  | 5752.1  | 5649.5  | 5449.9  |
| 15°   | 5832.3  | 5867.7  | 5920.0  | 5949.8  | 5968.5  | 5974.1  | 5961.0  | 5912.5  | 5821.1  | 5701.7  | 5472.3  |
| 17.5° | 5821.1  | 5864.0  | 5959.1  | 6024.4  | 6072.9  | 6071.0  | 6067.3  | 6000.2  | 5899.4  | 5776.3  | 5500.3  |
| 20°   | 5871.5  | 5927.4  | 6059.8  | 6162.4  | 6233.3  | 6220.3  | 6199.7  | 6112.1  | 5994.6  | 5856.5  | 5526.4  |
| 22.5° | 6022.5  | 6080.4  | 6225.8  | 6337.8  | 6406.8  | 6406.8  | 6345.2  | 6229.6  | 6104.6  | 5949.8  | 5561.9  |
| 25°   | 6238.9  | 6302.3  | 6457.1  | 6570.9  | 6602.6  | 6578.4  | 6516.8  | 6376.9  | 6233.3  | 6084.1  | 5636.5  |
| 27.5° | 6503.8  | 6580.2  | 6723.8  | 6819.0  | 6809.6  | 6791.0  | 6727.6  | 6548.5  | 6404.9  | 6268.7  | 5763.3  |
| 30°   | 6833.9  | 6889.8  | 7039.0  | 7061.4  | 7027.9  | 7024.1  | 6934.6  | 6755.5  | 6621.3  | 6516.8  | 5944.2  |
| 32.5° | 7145.4  | 7195.7  | 7315.1  | 7324.4  | 7264.7  | 7272.2  | 7188.3  | 7024.1  | 6947.7  | 6910.4  | 6248.2  |
| 35°   | 7475.5  | 7501.6  | 7604.2  | 7593.0  | 7553.8  | 7548.2  | 7514.7  | 7358.0  | 7382.2  | 7449.4  | 6679.1  |
| 37.5° | 7751.5  | 7803.8  | 7861.6  | 7870.9  | 7869.0  | 7887.7  | 7910.1  | 7835.5  | 7975.4  | 8186.1  | 7244.2  |
| 40°   | 8005.2  | 8050.0  | 8135.8  | 8165.6  | 8238.3  | 8275.6  | 8352.1  | 8354.0  | 8676.6  | 9023.6  | 7939.9  |
| 42.5° | 8176.8  | 8253.3  | 8413.7  | 8467.7  | 8644.9  | 8756.8  | 8870.6  | 8991.9  | 9460.0  | 9905.8  | 8760.6  |
| 45°   | 8326.0  | 8426.7  | 8693.4  | 8861.3  | 9101.9  | 9238.1  | 9478.7  | 9732.3  | 10405.6 | 10989.4 | 9594.3  |
| 47.5° | 8551.7  | 8641.2  | 8947.1  | 9243.6  | 9607.4  | 9764.0  | 10124.0 | 10502.6 | 11383.0 | 12022.7 | 10392.6 |
| 50°   | 8865.0  | 8919.1  | 9230.6  | 9713.7  | 10178.1 | 10379.5 | 10855.1 | 11401.6 | 12427.4 | 13042.9 | 11093.9 |
| 52.5° | 9266.0  | 9288.4  | 9536.5  | 10180.0 | 10791.7 | 11041.6 | 11672.1 | 12309.9 | 13341.4 | 13928.9 | 11649.7 |
| 55°   | 9739.8  | 9702.5  | 9896.4  | 10674.2 | 11493.0 | 11819.4 | 12496.5 | 13229.5 | 14369.1 | 14645.1 | 12054.4 |
| 57.5° | 10207.9 | 10150.1 | 10304.9 | 11274.8 | 12358.4 | 12752.0 | 13540.9 | 14177.0 | 15286.7 | 15314.7 | 12337.9 |
| 60°   | 10704.1 | 10661.2 | 10845.8 | 11979.8 | 13419.7 | 13886.0 | 14615.3 | 15159.9 | 16174.5 | 15781.0 | 12382.7 |
| 62.5° | 11213.2 | 11144.2 | 11407.2 | 12772.5 | 14615.3 | 15038.6 | 15745.5 | 16204.4 | 17045.5 | 15954.4 | 11951.8 |
| 65°   | 11707.5 | 11675.8 | 12082.4 | 13714.4 | 15976.8 | 16458.0 | 17144.4 | 17455.9 | 17743.1 | 15693.3 | 10883.1 |
| 67.5° | 12233.5 | 12296.9 | 12946.0 | 14971.5 | 17752.4 | 18356.7 | 19097.2 | 18804.4 | 17942.7 | 14456.7 | 9165.3  |
| 70°   | 13035.5 | 13076.5 | 14080.0 | 16618.4 | 20041.0 | 20770.2 | 21128.3 | 19283.7 | 16980.3 | 12108.5 | 6889.8  |
| 72.5° | 13380.5 | 13561.5 | 15092.7 | 18347.4 | 22641.0 | 23086.7 | 21811.0 | 18215.0 | 14145.2 | 8225.3  | 3620.2  |
| 73°   | 13304.1 | 13520.4 | 15139.4 | 18610.4 | 22844.3 | 23312.4 | 21665.5 | 17664.8 | 13149.3 | 7083.8  | 3103.6  |
| 75°   | 12351.0 | 12617.7 | 14533.2 | 18390.3 | 22448.9 | 22169.1 | 19326.6 | 15055.4 | 8885.5  | 3221.1  | 1413.8  |
| 77.5° | 9745.4  | 9821.8  | 11515.4 | 14850.3 | 17677.8 | 17159.3 | 14464.2 | 9409.6  | 3629.6  | 1197.4  | 802.0   |
| 80°   | 4888.5  | 5170.2  | 6490.7  | 8506.9  | 11821.3 | 11651.5 | 9129.9  | 4450.2  | 1512.6  | 703.2   | 531.6   |
| 82.5° | 2351.9  | 2551.5  | 3161.4  | 4148.1  | 6531.7  | 6376.9  | 4521.1  | 2432.1  | 960.5   | 410.3   | 313.3   |
| 85°   | 1514.5  | 1663.7  | 2012.5  | 1978.9  | 2685.8  | 2564.6  | 2031.1  | 1840.9  | 568.9   | 214.5   | 218.2   |
| 87.5° | 999.7   | 1094.8  | 1313.1  | 1050.1  | 977.3   | 884.1   | 897.1   | 1037.0  | 111.9   | 82.1    | 29.8    |
| 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):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 5802.5 | 5802.5 | 5802.5 | 5802.5 | 5802.5 | 5802.5 | 5802.5 | 5802.5 | 5802.5 | 5802.5 | 5802.5 |
| 2.5°  | 5739.0 | 5714.8 | 5634.6 | 5556.3 | 5481.7 | 5410.8 | 5364.2 | 5302.6 | 5261.6 | 5272.8 | 5289.5 |
| 5°    | 5595.4 | 5541.3 | 5399.6 | 5261.6 | 5131.0 | 4976.2 | 4851.2 | 4750.5 | 4674.0 | 4646.1 | 4640.5 |
| 7.5°  | 5444.4 | 5353.0 | 5149.7 | 4912.8 | 4690.8 | 4498.7 | 4276.8 | 4166.7 | 4038.0 | 3993.3 | 3978.3 |
| 10°   | 5353.0 | 5229.9 | 4944.5 | 4614.4 | 4280.5 | 3961.6 | 3721.0 | 3525.1 | 3347.9 | 3314.4 | 3297.6 |
| 12.5° | 5326.8 | 5164.6 | 4780.4 | 4355.1 | 3911.2 | 3519.5 | 3163.3 | 2905.9 | 2734.3 | 2695.1 | 2637.3 |
| 15°   | 5311.9 | 5110.5 | 4627.4 | 4094.0 | 3530.7 | 3053.2 | 2678.3 | 2378.1 | 2221.4 | 2116.9 | 2118.8 |
| 17.5° | 5298.9 | 5048.9 | 4455.8 | 3808.6 | 3202.5 | 2652.2 | 2238.2 | 1967.7 | 1824.1 | 1768.2 | 1762.6 |
| 20°   | 5280.2 | 4976.2 | 4258.1 | 3508.3 | 2827.6 | 2286.7 | 1911.8 | 1710.3 | 1613.3 | 1566.7 | 1564.9 |
| 22.5° | 5272.8 | 4905.3 | 4064.1 | 3202.5 | 2495.6 | 2005.0 | 1695.4 | 1553.7 | 1492.1 | 1460.4 | 1460.4 |
| 25°   | 5291.4 | 4855.0 | 3860.8 | 2911.5 | 2200.9 | 1764.4 | 1546.2 | 1449.2 | 1413.8 | 1397.0 | 1391.4 |
| 27.5° | 5349.2 | 4832.6 | 3659.4 | 2620.5 | 1930.4 | 1600.3 | 1445.5 | 1378.3 | 1352.2 | 1339.2 | 1341.0 |
| 30°   | 5459.3 | 4830.7 | 3461.7 | 2333.3 | 1729.0 | 1475.3 | 1365.3 | 1318.7 | 1298.1 | 1290.7 | 1288.8 |
| 32.5° | 5636.5 | 4871.8 | 3267.7 | 2096.4 | 1559.3 | 1370.9 | 1290.7 | 1257.1 | 1247.8 | 1242.2 | 1240.3 |
| 35°   | 5936.8 | 4987.4 | 3075.6 | 1880.1 | 1428.7 | 1277.6 | 1219.8 | 1203.0 | 1190.0 | 1195.6 | 1197.4 |
| 37.5° | 6341.5 | 5187.0 | 2892.8 | 1710.3 | 1329.8 | 1208.6 | 1160.1 | 1145.2 | 1137.7 | 1143.3 | 1148.9 |
| 40°   | 6884.2 | 5474.2 | 2739.9 | 1574.2 | 1259.0 | 1150.8 | 1107.9 | 1094.8 | 1087.4 | 1096.7 | 1098.6 |
| 42.5° | 7483.0 | 5806.2 | 2613.1 | 1467.9 | 1201.2 | 1102.3 | 1061.3 | 1046.3 | 1040.7 | 1046.3 | 1048.2 |
| 45°   | 8098.5 | 6192.3 | 2547.8 | 1391.4 | 1152.7 | 1066.9 | 1024.0 | 1007.2 | 994.1  | 990.4  | 996.0  |
| 47.5° | 8704.6 | 6528.0 | 2545.9 | 1344.8 | 1113.5 | 1035.2 | 988.5  | 969.9  | 953.1  | 943.8  | 941.9  |
| 50°   | 9198.9 | 6794.7 | 2590.7 | 1324.3 | 1079.9 | 999.7  | 953.1  | 934.4  | 912.1  | 893.4  | 897.1  |
| 52.5° | 9571.9 | 6968.2 | 2611.2 | 1314.9 | 1061.3 | 962.4  | 915.8  | 899.0  | 872.9  | 848.6  | 848.6  |
| 55°   | 9812.5 | 7009.2 | 2560.8 | 1305.6 | 1046.3 | 923.2  | 872.9  | 858.0  | 831.9  | 807.6  | 807.6  |
| 57.5° | 9894.6 | 6882.4 | 2379.9 | 1283.2 | 1031.4 | 889.7  | 830.0  | 816.9  | 796.4  | 772.2  | 768.4  |
| 60°   | 9704.3 | 6453.4 | 2062.8 | 1216.1 | 1001.6 | 854.2  | 783.4  | 777.8  | 770.3  | 749.8  | 747.9  |
| 62.5° | 8971.3 | 5543.2 | 1717.8 | 1128.4 | 951.2  | 816.9  | 740.5  | 749.8  | 755.4  | 744.2  | 742.3  |
| 65°   | 7751.5 | 4500.6 | 1467.9 | 1007.2 | 884.1  | 764.7  | 693.8  | 718.1  | 733.0  | 733.0  | 729.3  |
| 67.5° | 6287.4 | 3456.1 | 1236.6 | 902.7  | 800.1  | 693.8  | 641.6  | 660.3  | 671.5  | 667.7  | 677.0  |
| 70°   | 4468.9 | 2340.8 | 1007.2 | 783.4  | 693.8  | 613.6  | 574.5  | 574.5  | 567.0  | 563.3  | 563.3  |
| 72.5° | 2167.3 | 1337.3 | 816.9  | 654.7  | 591.3  | 524.1  | 492.4  | 479.3  | 464.4  | 462.6  | 453.2  |
| 73°   | 1811.1 | 1199.3 | 779.6  | 630.4  | 567.0  | 511.0  | 475.6  | 455.1  | 445.8  | 438.3  | 436.4  |
| 75°   | 1102.3 | 910.2  | 650.9  | 531.6  | 483.1  | 440.2  | 408.5  | 389.8  | 380.5  | 374.9  | 373.0  |
| 77.5° | 725.5  | 678.9  | 505.5  | 406.6  | 369.3  | 343.2  | 330.1  | 311.5  | 305.9  | 298.4  | 298.4  |
| 80°   | 540.9  | 518.5  | 361.8  | 287.2  | 264.9  | 242.5  | 238.7  | 235.0  | 220.1  | 210.8  | 207.0  |
| 82.5° | 348.8  | 369.3  | 246.2  | 192.1  | 167.9  | 149.2  | 151.1  | 156.7  | 141.8  | 128.7  | 125.0  |
| 85°   | 248.1  | 266.7  | 149.2  | 87.7   | 70.9   | 61.5   | 69.0   | 61.5   | 63.4   | 50.4   | 41.0   |
| 87.5° | 41.0   | 70.9   | 26.1   | 11.2   | 5.6    | 3.7    | 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)