

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: P653927

Luminaire Tested: **GLAN-SA6A-840-U-SL2**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P653927  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6A-840-U-SL2  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22765 lumens  
Efficiency: N/A  
Efficacy: 125.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G4

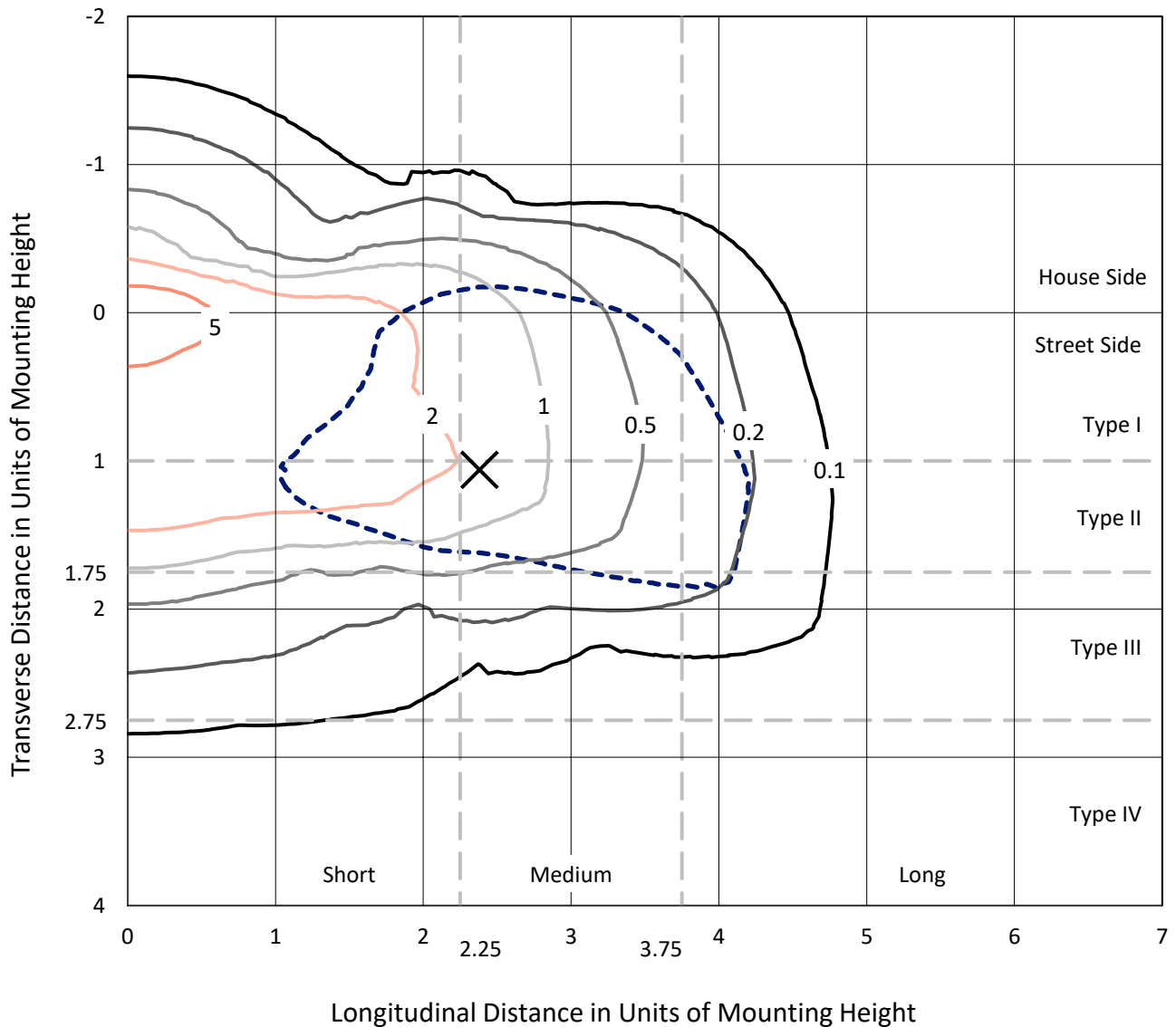
Input Watts (W): 182  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

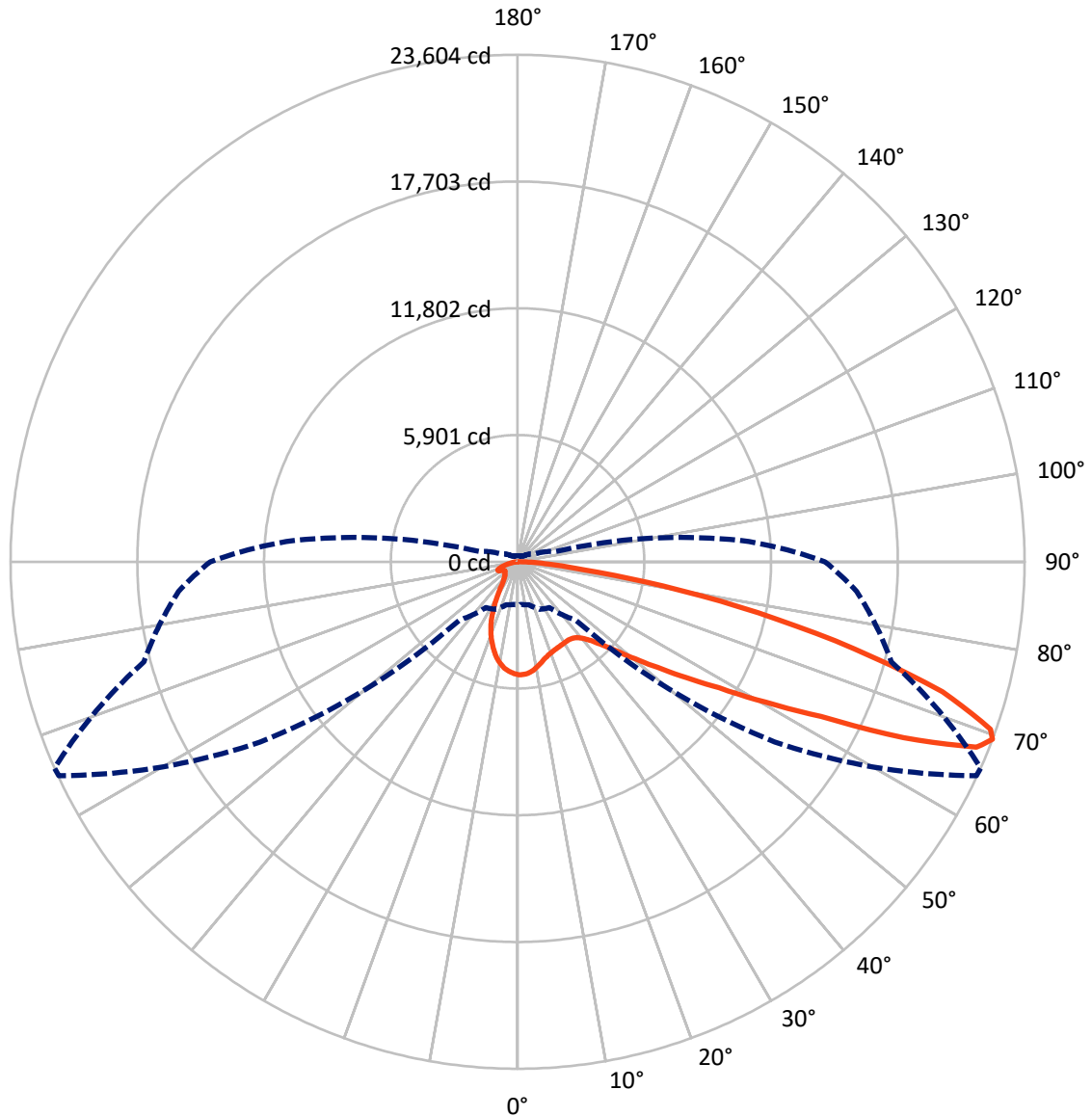
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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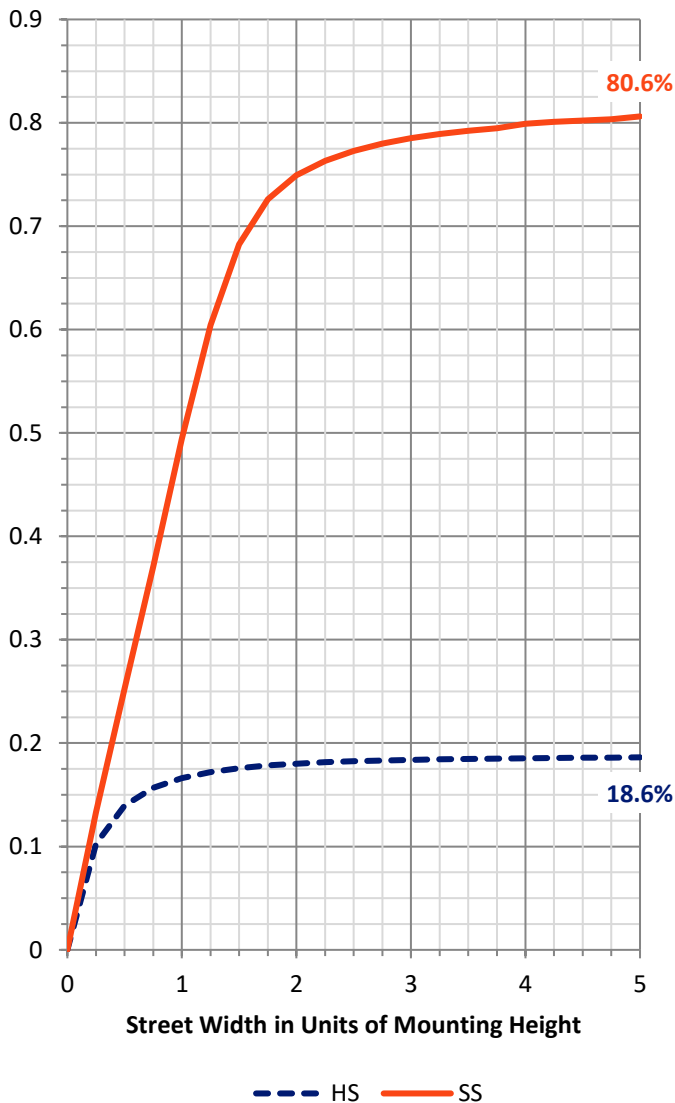
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4281.2   | 0.0    | 4281.2  |
|                    | % Fixture | 18.8     | 0.0    | 18.8    |
| <b>Street Side</b> | Lumens    | 18483.8  | 0.0    | 18483.8 |
|                    | % Fixture | 81.2     | 0.0    | 81.2    |
| <b>Total</b>       | Lumens    | 22765.0  | 0.0    | 22765.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 456.5   | 2.0       |
| 10°-20°   | 1082.8  | 4.8       |
| 20°-30°   | 1474.1  | 6.5       |
| 30°-40°   | 1980.9  | 8.7       |
| 40°-50°   | 2957.8  | 13.0      |
| 50°-60°   | 4704.9  | 20.7      |
| 60°-70°   | 5786.8  | 25.4      |
| 70°-80°   | 3765.1  | 16.5      |
| 80°-90°   | 556.0   | 2.4       |
| 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°    | 22765.0 | 100.0     |
| 0°-180°   | 22765.0 | 100.0     |

**Coefficient of Utilization**

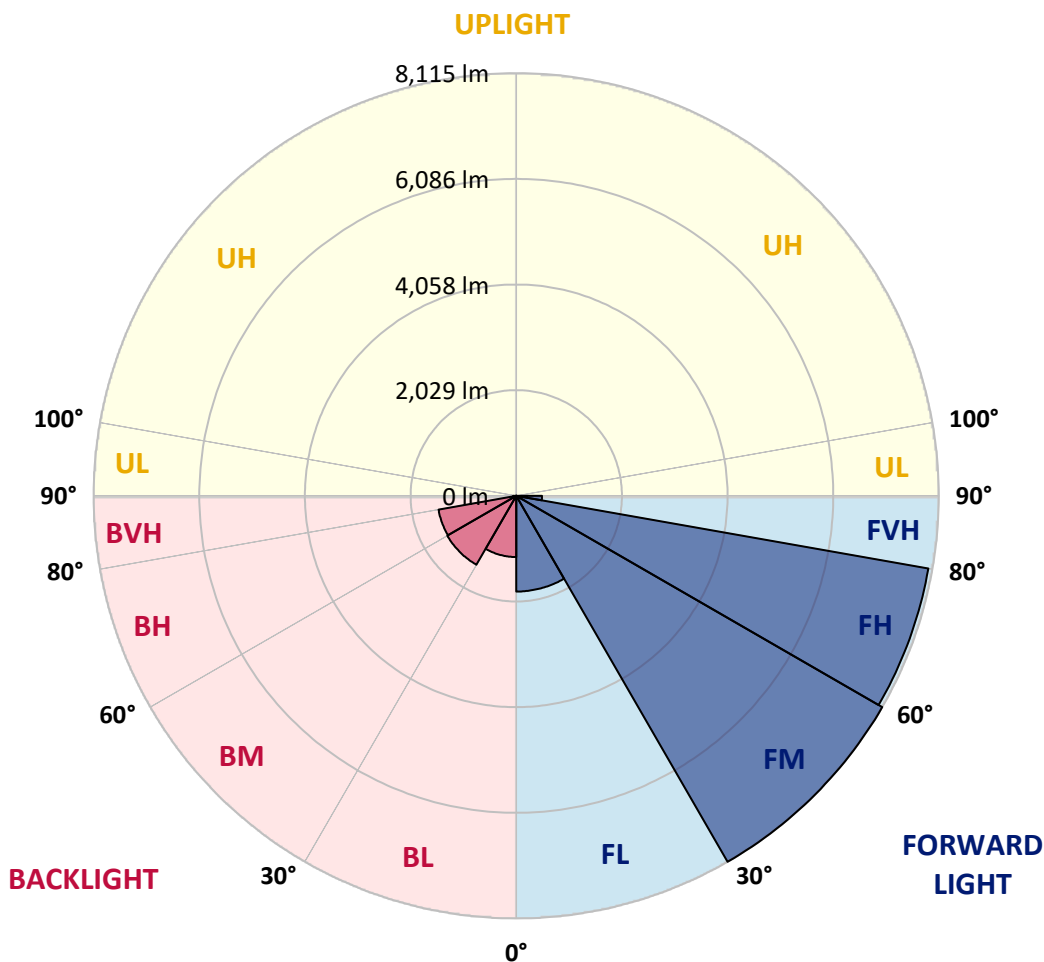


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|----------------|--------|-----------|-------------------------|------|----------|
|                |        |           | B                       | U    | G        |
| FL (0°-30°)    | 1838.3 | 8.1       |                         |      |          |
| FM (30°-60°)   | 8115.0 | 35.6      |                         |      |          |
| FH (60°-80°)   | 8036.2 | 35.3      |                         |      | G4/12000 |
| FVH (80°-90°)  | 494.3  | 2.2       |                         |      | G3/500   |
| BL (0°-30°)    | 1175.2 | 5.2       | B3/2500                 |      |          |
| BM (30°-60°)   | 1528.6 | 6.7       | B2/2500                 |      |          |
| BH (60°-80°)   | 1515.7 | 6.7       | B3/2500                 |      | G3/2500  |
| BVH (80°-90°)  | 61.7   | 0.3       |                         |      | G1/100   |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |          |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |          |

**BUG Rating: B3-U0-G4**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°     | 55°     | 65°     | 66°     | 75°     | 85°     |
|-------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|
| 0°    | 5257.1 | 5257.1 | 5257.1 | 5257.1 | 5257.1 | 5257.1  | 5257.1  | 5257.1  | 5257.1  | 5257.1  | 5257.1  |
| 2.5°  | 5073.0 | 5093.2 | 5115.9 | 5141.1 | 5189.0 | 5215.5  | 5234.4  | 5255.8  | 5258.4  | 5269.7  | 5260.9  |
| 5°    | 4698.6 | 4722.6 | 4756.6 | 4804.5 | 4876.4 | 4988.6  | 5104.5  | 5199.1  | 5210.4  | 5263.4  | 5278.5  |
| 7.5°  | 4385.9 | 4399.8 | 4427.5 | 4504.5 | 4606.6 | 4731.4  | 4900.3  | 5091.9  | 5119.7  | 5245.7  | 5289.9  |
| 10°   | 4131.2 | 4145.1 | 4177.9 | 4257.3 | 4358.2 | 4514.6  | 4699.8  | 4952.0  | 4974.7  | 5191.5  | 5292.4  |
| 12.5° | 3940.9 | 3953.5 | 3988.9 | 4067.0 | 4183.0 | 4329.2  | 4533.4  | 4800.7  | 4833.5  | 5119.7  | 5268.4  |
| 15°   | 3795.9 | 3819.9 | 3848.9 | 3913.2 | 4035.5 | 4176.7  | 4374.6  | 4662.0  | 4688.5  | 5044.0  | 5252.0  |
| 17.5° | 3734.1 | 3745.5 | 3765.7 | 3825.0 | 3914.4 | 4053.1  | 4252.3  | 4553.6  | 4585.1  | 4991.1  | 5248.3  |
| 20°   | 3736.6 | 3748.0 | 3751.8 | 3784.6 | 3848.9 | 3968.7  | 4165.3  | 4467.9  | 4505.7  | 4944.4  | 5254.6  |
| 22.5° | 3822.4 | 3823.7 | 3809.8 | 3798.5 | 3823.7 | 3923.3  | 4103.6  | 4403.6  | 4447.7  | 4924.2  | 5259.6  |
| 25°   | 3954.8 | 3977.5 | 3957.3 | 3904.3 | 3857.8 | 3905.6  | 4079.6  | 4368.3  | 4409.9  | 4895.3  | 5253.3  |
| 27.5° | 4169.1 | 4172.9 | 4156.5 | 4084.7 | 3963.6 | 3928.3  | 4069.5  | 4341.8  | 4377.2  | 4873.8  | 5221.8  |
| 30°   | 4456.5 | 4445.2 | 4430.1 | 4350.7 | 4160.3 | 4015.3  | 4091.0  | 4317.9  | 4354.4  | 4842.3  | 5183.9  |
| 32.5° | 4747.8 | 4783.0 | 4769.2 | 4675.9 | 4428.8 | 4184.2  | 4160.3  | 4315.3  | 4345.6  | 4818.3  | 5142.4  |
| 35°   | 5056.6 | 5073.0 | 5138.6 | 5090.7 | 4837.3 | 4457.8  | 4290.1  | 4354.4  | 4378.4  | 4819.6  | 5113.4  |
| 37.5° | 5298.7 | 5342.8 | 5496.6 | 5538.2 | 5300.0 | 4819.6  | 4500.7  | 4465.4  | 4475.5  | 4881.4  | 5124.7  |
| 40°   | 5591.1 | 5666.8 | 5864.7 | 6034.9 | 5878.6 | 5289.9  | 4858.7  | 4670.8  | 4683.4  | 5030.2  | 5199.1  |
| 42.5° | 5961.8 | 6014.7 | 6280.8 | 6511.4 | 6486.2 | 5911.4  | 5292.4  | 5007.5  | 5013.8  | 5326.4  | 5407.1  |
| 45°   | 6395.5 | 6471.2 | 6769.9 | 7116.6 | 7175.8 | 6614.8  | 5919.0  | 5516.8  | 5513.0  | 5786.6  | 5795.4  |
| 47.5° | 6950.2 | 6996.9 | 7293.1 | 7671.3 | 7910.9 | 7498.6  | 6679.1  | 6248.0  | 6207.7  | 6457.3  | 6385.4  |
| 50°   | 7460.8 | 7533.8 | 7758.3 | 8171.8 | 8768.1 | 8533.6  | 7678.8  | 7196.0  | 7101.5  | 7334.7  | 7213.7  |
| 52.5° | 7675.1 | 7752.0 | 7941.1 | 8454.2 | 9503.0 | 9872.5  | 8948.4  | 8326.8  | 8169.3  | 8348.3  | 8304.2  |
| 55°   | 7303.2 | 7402.7 | 7579.3 | 8203.3 | 9825.8 | 11416.8 | 10660.4 | 9634.2  | 9519.4  | 9442.6  | 9455.2  |
| 57.5° | 6303.5 | 6398.0 | 6636.2 | 7324.6 | 9440.1 | 12537.5 | 13104.9 | 11314.7 | 11068.8 | 10714.6 | 10775.1 |
| 60°   | 4798.2 | 4857.4 | 4981.0 | 5743.7 | 8296.6 | 12828.8 | 15880.9 | 13438.9 | 13282.7 | 11981.6 | 12024.4 |
| 62.5° | 3407.6 | 3474.4 | 3560.2 | 3940.9 | 6074.0 | 12008.1 | 18054.3 | 16405.4 | 15846.9 | 13293.9 | 13252.4 |
| 65°   | 2767.2 | 2721.8 | 2825.2 | 3003.0 | 3564.0 | 9306.4  | 18543.5 | 20522.8 | 19753.7 | 15022.4 | 14445.0 |
| 67.5° | 2275.6 | 2227.6 | 2329.7 | 2646.2 | 2710.5 | 5402.1  | 16781.1 | 23195.5 | 23041.6 | 16902.1 | 15656.5 |
| 69°   | 2014.6 | 1989.4 | 2078.9 | 2439.4 | 2602.1 | 3836.3  | 14618.9 | 23567.3 | 23603.9 | 18010.2 | 15843.1 |
| 70°   | 1815.4 | 1825.5 | 1912.4 | 2334.8 | 2552.9 | 3163.1  | 12494.7 | 23054.2 | 23364.4 | 18563.6 | 15641.4 |
| 72.5° | 1336.3 | 1357.8 | 1478.8 | 1933.9 | 2506.3 | 2684.0  | 7435.5  | 20137.0 | 20685.4 | 18596.4 | 14308.9 |
| 75°   | 934.2  | 924.1  | 1031.2 | 1456.1 | 2367.6 | 2660.1  | 4367.1  | 15573.3 | 16194.8 | 16073.8 | 12023.2 |
| 77.5° | 611.4  | 627.8  | 713.6  | 1028.7 | 1991.9 | 2639.9  | 2846.6  | 11048.7 | 11452.1 | 10749.9 | 7111.6  |
| 80°   | 431.2  | 429.9  | 477.8  | 702.2  | 1477.6 | 2536.5  | 2331.0  | 6964.1  | 6862.0  | 4224.6  | 2109.1  |
| 82.5° | 247.1  | 264.7  | 320.3  | 494.2  | 988.3  | 2232.7  | 2144.5  | 3330.8  | 3040.8  | 1204.0  | 712.3   |
| 85°   | 137.4  | 143.7  | 190.4  | 298.8  | 577.4  | 1681.7  | 1872.2  | 1515.3  | 1429.6  | 503.0   | 306.4   |
| 87.5° | 44.2   | 47.9   | 79.4   | 151.3  | 262.2  | 794.2   | 1060.2  | 699.7   | 645.5   | 181.6   | 123.5   |
| 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°    | 5257.1  | 5257.1  | 5257.1 | 5257.1 | 5257.1 | 5257.1 | 5257.1 | 5257.1 | 5257.1 | 5257.1 | 5257.1 |
| 2.5°  | 5264.7  | 5279.8  | 5239.4 | 5200.3 | 5165.1 | 5115.9 | 5071.7 | 5035.2 | 5010.0 | 5006.2 | 4993.6 |
| 5°    | 5282.3  | 5283.6  | 5206.6 | 5103.3 | 5002.4 | 4891.5 | 4776.8 | 4694.8 | 4617.9 | 4575.0 | 4553.6 |
| 7.5°  | 5294.9  | 5283.6  | 5144.9 | 4977.2 | 4783.0 | 4581.3 | 4379.7 | 4218.3 | 4093.5 | 4044.3 | 4063.2 |
| 10°   | 5289.9  | 5254.6  | 5051.6 | 4783.0 | 4500.7 | 4199.4 | 3909.4 | 3682.5 | 3474.4 | 3367.3 | 3369.8 |
| 12.5° | 5262.1  | 5204.1  | 4912.9 | 4564.9 | 4150.2 | 3746.7 | 3303.0 | 2996.7 | 2755.9 | 2613.4 | 2569.3 |
| 15°   | 5238.2  | 5137.3  | 4750.3 | 4268.7 | 3753.0 | 3177.0 | 2636.1 | 2257.9 | 2056.2 | 1944.0 | 1942.7 |
| 17.5° | 5212.9  | 5073.0  | 4572.5 | 3954.8 | 3296.7 | 2555.4 | 1988.1 | 1699.4 | 1604.9 | 1616.2 | 1597.3 |
| 20°   | 5186.4  | 4997.4  | 4387.2 | 3605.5 | 2740.7 | 1906.1 | 1488.9 | 1371.7 | 1398.1 | 1449.8 | 1457.4 |
| 22.5° | 5156.3  | 4916.7  | 4188.0 | 3221.0 | 2155.8 | 1434.7 | 1207.8 | 1190.1 | 1258.1 | 1338.9 | 1350.2 |
| 25°   | 5109.6  | 4815.8  | 3937.1 | 2818.9 | 1662.8 | 1156.0 | 1057.7 | 1070.3 | 1137.1 | 1205.2 | 1212.8 |
| 27.5° | 5044.0  | 4691.0  | 3683.7 | 2317.1 | 1249.3 | 992.1  | 967.0  | 983.3  | 1016.1 | 1057.7 | 1067.8 |
| 30°   | 4955.8  | 4549.8  | 3392.5 | 1883.5 | 1001.0 | 910.2  | 900.1  | 909.0  | 927.9  | 945.5  | 950.6  |
| 32.5° | 4867.5  | 4413.7  | 3098.7 | 1442.2 | 892.6  | 856.0  | 846.0  | 846.0  | 846.0  | 848.5  | 849.7  |
| 35°   | 4785.5  | 4285.1  | 2783.6 | 1123.2 | 835.9  | 813.2  | 799.3  | 784.1  | 781.6  | 772.8  | 772.8  |
| 37.5° | 4740.2  | 4167.8  | 2448.2 | 940.5  | 794.2  | 777.8  | 758.9  | 733.7  | 719.9  | 721.1  | 718.6  |
| 40°   | 4749.0  | 4091.0  | 2143.2 | 837.1  | 760.2  | 742.5  | 713.6  | 684.6  | 675.7  | 675.7  | 673.2  |
| 42.5° | 4848.6  | 4065.7  | 1850.7 | 782.9  | 727.4  | 707.3  | 670.7  | 644.2  | 639.2  | 637.9  | 640.4  |
| 45°   | 5078.0  | 4127.5  | 1588.5 | 747.6  | 699.7  | 669.4  | 632.9  | 608.9  | 603.8  | 603.8  | 602.6  |
| 47.5° | 5525.6  | 4328.0  | 1400.6 | 724.9  | 679.5  | 640.4  | 602.6  | 578.7  | 569.9  | 567.3  | 567.3  |
| 50°   | 6221.5  | 4762.9  | 1260.7 | 704.8  | 654.3  | 613.9  | 574.9  | 547.2  | 533.3  | 532.0  | 530.8  |
| 52.5° | 7188.4  | 5441.1  | 1206.5 | 689.6  | 626.5  | 586.3  | 543.4  | 516.9  | 499.2  | 495.4  | 492.9  |
| 55°   | 8319.3  | 6387.9  | 1280.8 | 678.3  | 597.5  | 554.7  | 510.6  | 482.8  | 466.4  | 458.8  | 457.7  |
| 57.5° | 9629.1  | 7525.1  | 1563.3 | 663.1  | 571.1  | 520.7  | 477.8  | 450.1  | 432.4  | 423.6  | 421.1  |
| 60°   | 10805.3 | 8693.8  | 2056.2 | 654.3  | 548.4  | 484.1  | 440.0  | 414.8  | 398.4  | 389.6  | 388.3  |
| 62.5° | 12097.6 | 9808.2  | 2644.9 | 678.3  | 538.3  | 448.8  | 404.7  | 382.0  | 368.1  | 359.3  | 359.3  |
| 65°   | 13478.0 | 10923.9 | 3034.5 | 758.9  | 553.5  | 421.1  | 366.8  | 347.9  | 335.3  | 329.0  | 327.7  |
| 67.5° | 14408.4 | 11309.7 | 2500.0 | 842.2  | 591.2  | 390.8  | 330.3  | 315.2  | 307.6  | 301.3  | 301.3  |
| 69°   | 14307.6 | 10821.7 | 1844.4 | 863.5  | 602.6  | 375.7  | 310.2  | 298.8  | 288.7  | 286.2  | 283.7  |
| 70°   | 13988.6 | 10265.8 | 1545.6 | 849.7  | 593.7  | 361.8  | 297.5  | 283.7  | 274.8  | 272.3  | 271.1  |
| 72.5° | 12459.4 | 8903.0  | 1151.0 | 738.7  | 505.5  | 313.9  | 263.5  | 250.9  | 243.3  | 239.5  | 239.5  |
| 75°   | 10351.5 | 7276.7  | 898.9  | 587.5  | 395.9  | 264.7  | 225.6  | 215.5  | 209.2  | 206.7  | 205.5  |
| 77.5° | 5801.7  | 4063.2  | 645.5  | 460.1  | 300.1  | 214.3  | 189.1  | 180.3  | 174.0  | 171.5  | 171.5  |
| 80°   | 1616.2  | 1161.1  | 379.5  | 303.9  | 204.2  | 162.6  | 150.0  | 143.7  | 134.9  | 128.6  | 132.4  |
| 82.5° | 608.9   | 503.0   | 216.8  | 182.8  | 129.9  | 108.4  | 104.6  | 99.6   | 95.8   | 87.0   | 87.0   |
| 85°   | 296.3   | 244.6   | 138.7  | 97.1   | 71.8   | 56.8   | 54.2   | 51.7   | 49.2   | 42.9   | 44.2   |
| 87.5° | 102.1   | 108.4   | 60.6   | 35.3   | 21.4   | 13.9   | 11.4   | 6.3    | 6.3    | 6.3    | 6.3    |
| 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)