

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: P318480

Luminaire Tested: **GAN-SA6B-760-U-T3**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P318480  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA6B-760-U-T3  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34186 lumens  
Efficiency: N/A  
Efficacy: 137.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4

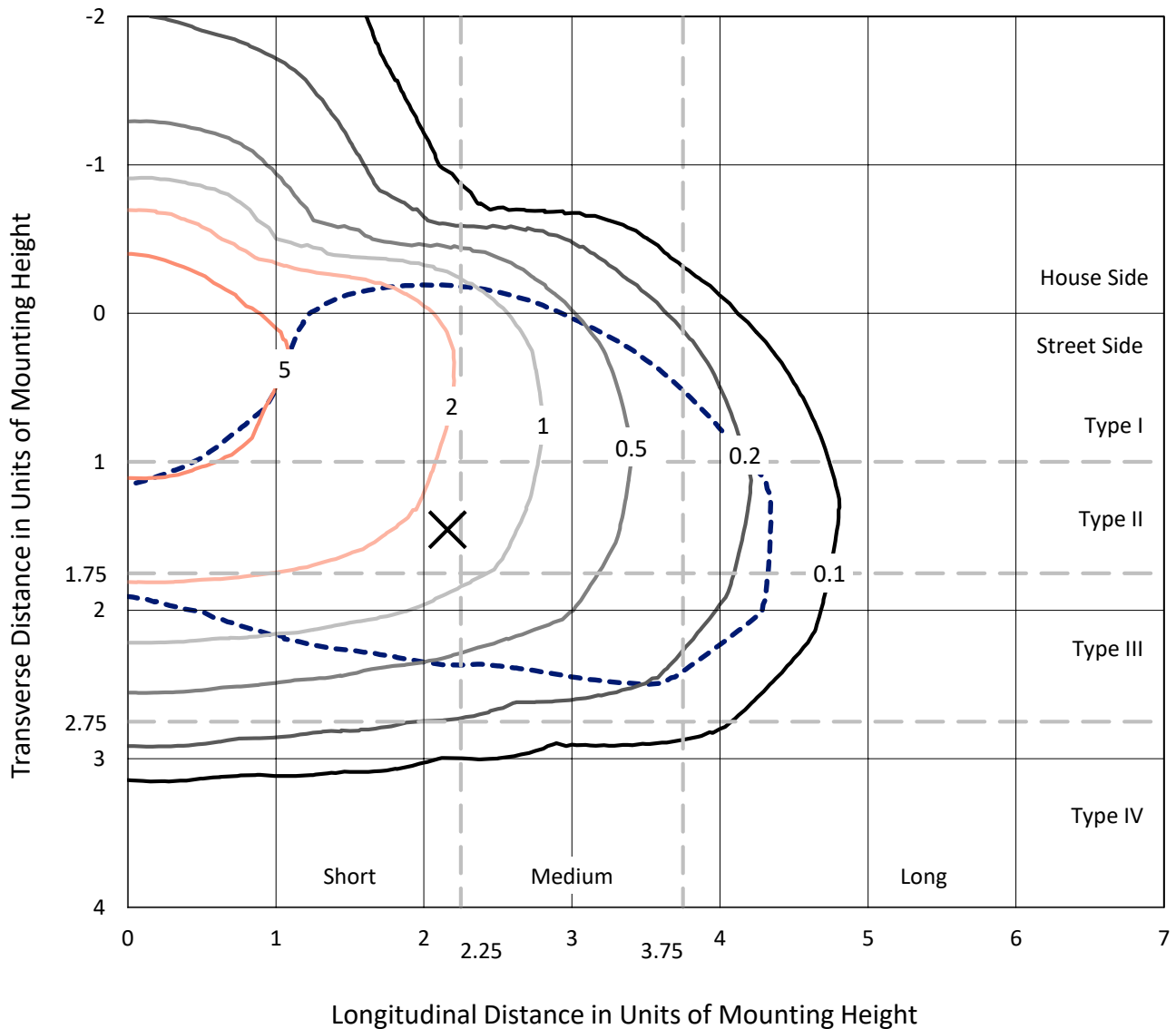
Input Watts (W): 249  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

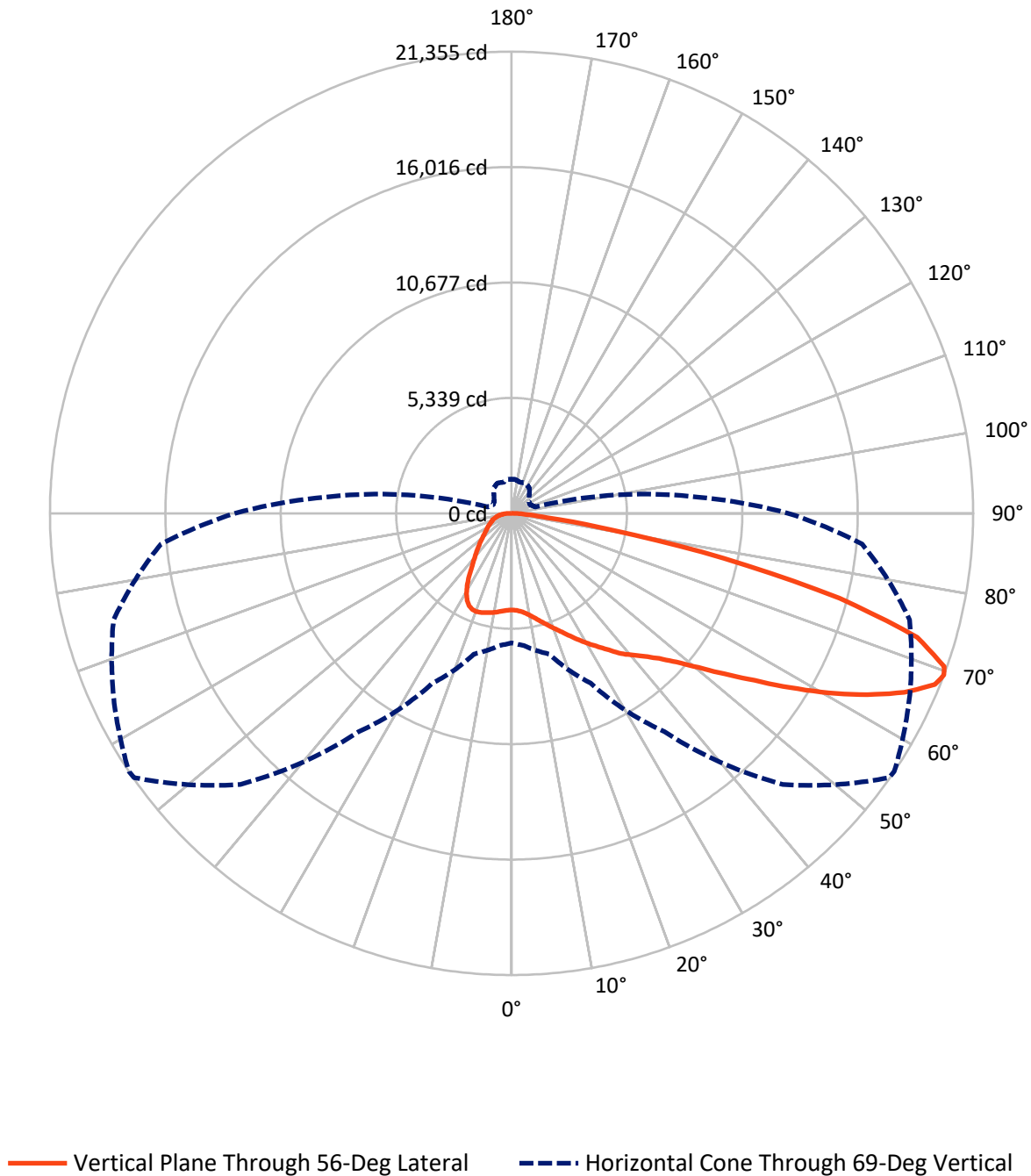
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc  
Type III - Short - N/A

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## Luminous Intensity Polar Plot



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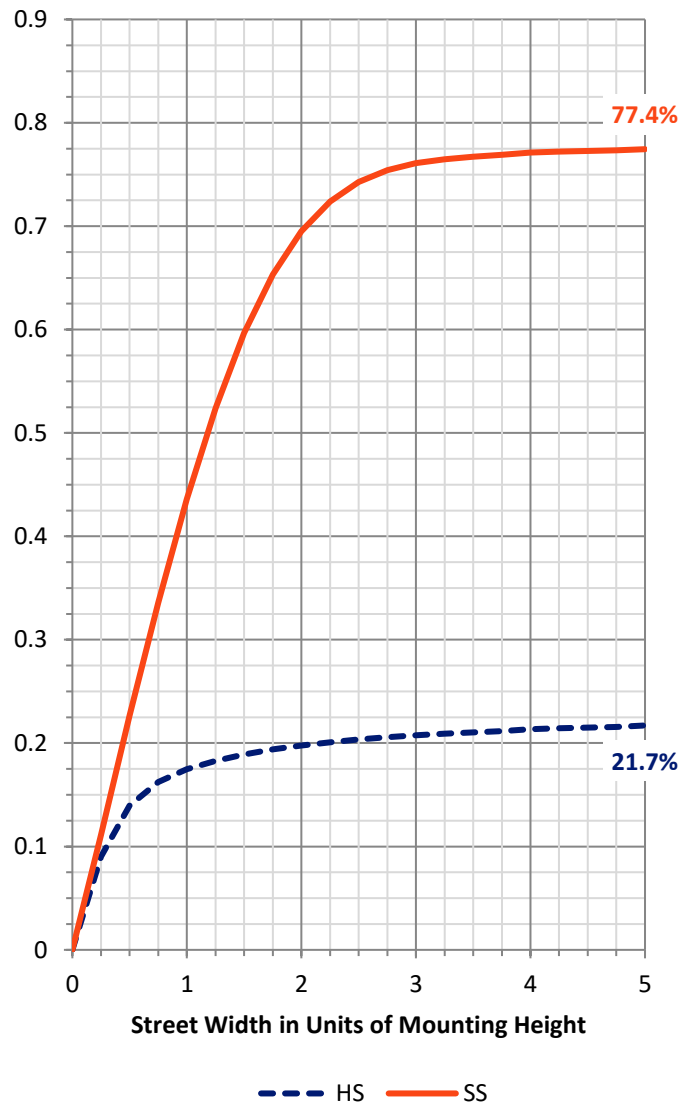
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7613.2   | 0.0    | 7613.2  |
|                    | % Fixture | 22.3     | 0.0    | 22.3    |
| <b>Street Side</b> | Lumens    | 26572.8  | 0.0    | 26572.8 |
|                    | % Fixture | 77.7     | 0.0    | 77.7    |
| <b>Total</b>       | Lumens    | 34186.0  | 0.0    | 34186.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 439.0   | 1.3       |
| 10°-20°   | 1411.5  | 4.1       |
| 20°-30°   | 2464.0  | 7.2       |
| 30°-40°   | 3539.4  | 10.4      |
| 40°-50°   | 4898.3  | 14.3      |
| 50°-60°   | 7176.7  | 21.0      |
| 60°-70°   | 8749.8  | 25.6      |
| 70°-80°   | 4837.4  | 14.2      |
| 80°-90°   | 670.0   | 2.0       |
| 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°    | 34186.0 | 100.0     |
| 0°-180°   | 34186.0 | 100.0     |

**Coefficient of Utilization**



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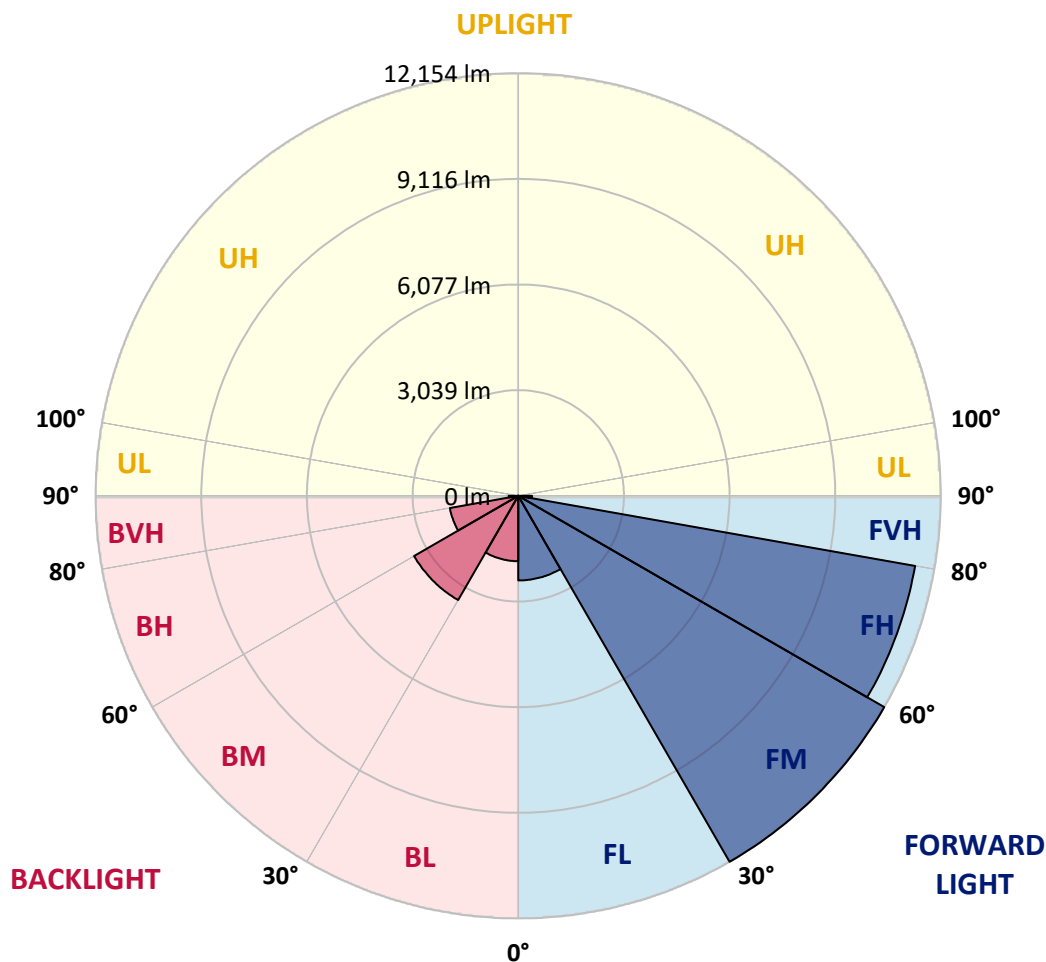
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 2433.0  | 7.1       |                         |      |          |
| FM   | (30°-60°)   | 12154.4 | 35.6      |                         |      |          |
| FH   | (60°-80°)   | 11590.8 | 33.9      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 394.6   | 1.2       |                         |      | G3/500   |
| BL   | (0°-30°)    | 1881.4  | 5.5       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 3460.0  | 10.1      | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1996.4  | 5.8       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 275.3   | 0.8       |                         |      | G3/500   |
| 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 Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 56°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4469.3  | 4469.3  | 4469.3  | 4469.3  | 4469.3  | 4469.3  | 4469.3  | 4469.3  | 4469.3  | 4469.3  | 4469.3  |
| 2.5°  | 4497.6  | 4502.3  | 4498.7  | 4508.2  | 4497.6  | 4504.6  | 4498.7  | 4498.7  | 4495.2  | 4484.6  | 4472.8  |
| 5°    | 4568.2  | 4577.7  | 4571.8  | 4581.2  | 4568.2  | 4570.6  | 4560.0  | 4560.0  | 4549.4  | 4527.0  | 4503.5  |
| 7.5°  | 4678.9  | 4689.5  | 4684.8  | 4694.2  | 4676.6  | 4676.6  | 4662.4  | 4661.3  | 4640.1  | 4603.6  | 4576.5  |
| 10°   | 4810.8  | 4825.0  | 4820.3  | 4834.4  | 4820.3  | 4825.0  | 4810.8  | 4810.8  | 4782.6  | 4730.8  | 4696.6  |
| 12.5° | 5002.8  | 5020.5  | 5007.5  | 5006.3  | 5000.4  | 5009.9  | 4998.1  | 4995.7  | 4969.8  | 4899.2  | 4852.1  |
| 15°   | 5259.5  | 5278.4  | 5251.3  | 5248.9  | 5216.0  | 5212.4  | 5212.4  | 5208.9  | 5192.4  | 5107.6  | 5029.9  |
| 17.5° | 5555.1  | 5561.0  | 5537.5  | 5499.8  | 5457.4  | 5430.3  | 5426.8  | 5436.2  | 5436.2  | 5337.3  | 5213.6  |
| 20°   | 5844.8  | 5855.4  | 5836.6  | 5794.2  | 5740.0  | 5700.0  | 5671.7  | 5690.6  | 5689.4  | 5571.6  | 5396.1  |
| 22.5° | 6160.5  | 6185.2  | 6156.9  | 6102.8  | 6039.2  | 5994.4  | 5944.9  | 5961.4  | 5962.6  | 5817.8  | 5575.1  |
| 25°   | 6569.1  | 6546.7  | 6529.1  | 6452.5  | 6361.8  | 6315.9  | 6270.0  | 6286.5  | 6281.8  | 6082.7  | 5760.0  |
| 27.5° | 6930.7  | 6935.4  | 6911.8  | 6830.6  | 6725.7  | 6624.5  | 6622.1  | 6632.7  | 6615.0  | 6358.3  | 5934.3  |
| 30°   | 7351.1  | 7353.4  | 7320.5  | 7247.5  | 7133.2  | 7002.5  | 6971.9  | 6989.5  | 6951.9  | 6619.8  | 6118.1  |
| 32.5° | 7769.2  | 7780.9  | 7744.4  | 7656.1  | 7564.3  | 7405.3  | 7344.0  | 7355.8  | 7261.6  | 6887.1  | 6307.7  |
| 35°   | 8135.4  | 8151.9  | 8140.1  | 8081.3  | 7981.2  | 7844.5  | 7771.5  | 7764.5  | 7647.9  | 7214.5  | 6558.5  |
| 37.5° | 8508.8  | 8524.1  | 8511.1  | 8461.6  | 8421.6  | 8276.8  | 8237.9  | 8237.9  | 8035.3  | 7548.9  | 6877.7  |
| 40°   | 8892.7  | 8916.2  | 8900.9  | 8832.6  | 8798.5  | 8732.5  | 8639.5  | 8617.1  | 8398.1  | 7950.5  | 7398.2  |
| 42.5° | 9249.5  | 9280.1  | 9341.4  | 9301.3  | 9231.9  | 9241.3  | 9054.0  | 9042.2  | 8882.1  | 8544.1  | 8051.8  |
| 45°   | 9755.9  | 9800.7  | 9904.3  | 9873.7  | 9859.6  | 9807.7  | 9585.2  | 9574.6  | 9513.3  | 9342.6  | 8863.2  |
| 47.5° | 10308.3 | 10369.5 | 10556.7 | 10562.6 | 10714.6 | 10616.8 | 10314.1 | 10277.6 | 10291.8 | 10298.8 | 9853.7  |
| 50°   | 10817.0 | 10884.1 | 11191.5 | 11336.4 | 11694.4 | 11715.6 | 11231.6 | 11198.6 | 11253.9 | 11416.5 | 11007.8 |
| 52.5° | 11223.3 | 11308.1 | 11692.0 | 12139.6 | 12753.1 | 12927.4 | 12361.0 | 12336.2 | 12377.4 | 12657.7 | 12312.7 |
| 55°   | 11521.3 | 11613.1 | 12031.2 | 12846.2 | 13826.0 | 14133.4 | 13661.1 | 13637.6 | 13663.5 | 14020.3 | 13731.8 |
| 57.5° | 11590.8 | 11613.1 | 12219.6 | 13321.9 | 14731.6 | 15470.0 | 15252.2 | 15205.1 | 15077.9 | 15388.8 | 15298.1 |
| 60°   | 11264.5 | 11354.0 | 12064.2 | 13489.2 | 15432.4 | 16787.9 | 16915.1 | 16856.2 | 16499.3 | 16753.7 | 16680.7 |
| 62.5° | 10602.7 | 10762.8 | 11483.6 | 13234.8 | 15706.8 | 17864.3 | 18546.1 | 18475.5 | 17860.7 | 18025.6 | 17674.7 |
| 65°   | 9521.6  | 9589.9  | 10347.1 | 12357.4 | 15358.2 | 18553.2 | 20000.6 | 19965.3 | 19191.5 | 18933.6 | 17858.4 |
| 67.5° | 7587.8  | 7716.2  | 8359.2  | 10523.8 | 13932.0 | 18471.9 | 21125.3 | 21121.7 | 20060.6 | 19270.4 | 17207.1 |
| 69°   | 5994.4  | 6127.5  | 6739.9  | 8668.9  | 12328.0 | 17728.8 | 21313.7 | 21354.9 | 20305.6 | 19065.5 | 16276.7 |
| 70°   | 4779.0  | 4933.3  | 5353.7  | 7301.6  | 10904.2 | 16749.0 | 21157.1 | 21231.3 | 20258.5 | 18727.5 | 15418.2 |
| 72.5° | 2033.9  | 2158.7  | 2457.8  | 3763.9  | 6645.7  | 12507.0 | 19344.6 | 19624.9 | 19166.8 | 17140.0 | 12742.5 |
| 75°   | 888.0   | 926.8   | 1062.3  | 1534.5  | 2950.1  | 6807.0  | 15154.4 | 15672.6 | 16388.6 | 14487.8 | 9492.1  |
| 77.5° | 650.1   | 666.6   | 740.8   | 900.9   | 1323.7  | 2570.9  | 9745.3  | 10046.8 | 11819.2 | 10542.6 | 5822.5  |
| 80°   | 502.9   | 514.6   | 572.4   | 661.9   | 864.4   | 1039.9  | 4444.6  | 4703.7  | 6645.7  | 5415.0  | 2424.8  |
| 82.5° | 400.4   | 408.7   | 448.7   | 487.6   | 597.1   | 630.1   | 1475.6  | 1637.0  | 2453.1  | 1495.7  | 641.8   |
| 85°   | 372.1   | 381.6   | 395.7   | 355.7   | 382.7   | 369.8   | 638.3   | 667.7   | 740.8   | 587.7   | 268.5   |
| 87.5° | 168.4   | 199.0   | 392.2   | 276.8   | 203.7   | 162.5   | 261.4   | 273.2   | 307.4   | 308.6   | 118.9   |
| 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°    | 4469.3  | 4469.3  | 4469.3 | 4469.3 | 4469.3 | 4469.3 | 4469.3 | 4469.3 | 4469.3 | 4469.3 | 4469.3 |
| 2.5°  | 4479.9  | 4476.4  | 4482.3 | 4468.1 | 4485.8 | 4484.6 | 4478.7 | 4481.1 | 4492.9 | 4491.7 | 4492.9 |
| 5°    | 4507.0  | 4504.6  | 4511.7 | 4501.1 | 4522.3 | 4529.4 | 4530.5 | 4541.1 | 4554.1 | 4557.6 | 4557.6 |
| 7.5°  | 4575.3  | 4575.3  | 4578.8 | 4564.7 | 4578.8 | 4577.7 | 4571.8 | 4582.4 | 4595.3 | 4596.5 | 4595.3 |
| 10°   | 4693.1  | 4694.2  | 4688.4 | 4651.8 | 4640.1 | 4608.3 | 4578.8 | 4580.0 | 4596.5 | 4609.4 | 4613.0 |
| 12.5° | 4841.5  | 4836.7  | 4810.8 | 4743.7 | 4694.2 | 4629.5 | 4598.8 | 4597.7 | 4614.2 | 4624.8 | 4628.3 |
| 15°   | 5011.0  | 4998.1  | 4931.0 | 4821.4 | 4734.3 | 4670.7 | 4621.2 | 4609.4 | 4600.0 | 4588.3 | 4589.4 |
| 17.5° | 5171.2  | 5141.8  | 5029.9 | 4878.0 | 4786.1 | 4701.3 | 4605.9 | 4529.4 | 4476.4 | 4445.8 | 4436.3 |
| 20°   | 5333.7  | 5276.0  | 5114.7 | 4931.0 | 4814.4 | 4660.1 | 4476.4 | 4320.9 | 4224.3 | 4179.6 | 4171.4 |
| 22.5° | 5482.1  | 5389.1  | 5193.6 | 4986.3 | 4792.0 | 4521.1 | 4232.6 | 4006.5 | 3872.2 | 3812.2 | 3816.9 |
| 25°   | 5627.0  | 5497.4  | 5276.0 | 5025.2 | 4678.9 | 4276.2 | 3893.4 | 3615.5 | 3460.0 | 3392.9 | 3390.5 |
| 27.5° | 5754.2  | 5606.9  | 5365.5 | 4993.4 | 4468.1 | 3927.6 | 3491.8 | 3221.0 | 3091.4 | 3033.7 | 3024.3 |
| 30°   | 5900.2  | 5744.7  | 5484.5 | 4872.1 | 4159.6 | 3524.8 | 3099.7 | 2908.9 | 2817.0 | 2759.3 | 2748.7 |
| 32.5° | 6078.0  | 5932.0  | 5582.2 | 4651.8 | 3765.1 | 3104.4 | 2793.5 | 2660.4 | 2576.8 | 2512.0 | 2500.2 |
| 35°   | 6337.1  | 6179.3  | 5606.9 | 4336.2 | 3331.7 | 2772.3 | 2568.5 | 2431.9 | 2318.9 | 2235.2 | 2227.0 |
| 37.5° | 6662.1  | 6489.0  | 5550.4 | 3927.6 | 2911.2 | 2556.7 | 2381.3 | 2212.9 | 2065.7 | 1947.9 | 1929.0 |
| 40°   | 7130.9  | 6869.4  | 5393.8 | 3456.5 | 2601.5 | 2390.7 | 2198.7 | 2006.8 | 1824.2 | 1686.4 | 1659.4 |
| 42.5° | 7693.8  | 7315.8  | 5153.5 | 2987.8 | 2374.2 | 2222.3 | 2017.4 | 1779.5 | 1605.2 | 1507.4 | 1493.3 |
| 45°   | 8409.8  | 7779.8  | 4820.3 | 2577.9 | 2150.4 | 2053.9 | 1821.9 | 1602.8 | 1494.5 | 1422.6 | 1410.9 |
| 47.5° | 9227.1  | 8300.3  | 4470.5 | 2244.7 | 1960.8 | 1896.1 | 1665.2 | 1523.9 | 1438.0 | 1381.4 | 1370.8 |
| 50°   | 10231.7 | 8888.0  | 4099.5 | 1971.4 | 1770.1 | 1706.5 | 1591.0 | 1480.3 | 1412.0 | 1368.5 | 1357.9 |
| 52.5° | 11364.6 | 9551.0  | 3832.2 | 1755.9 | 1612.2 | 1566.3 | 1552.2 | 1456.8 | 1401.4 | 1368.5 | 1357.9 |
| 55°   | 12584.7 | 10225.8 | 3543.6 | 1574.6 | 1475.6 | 1488.6 | 1526.3 | 1459.1 | 1421.5 | 1381.4 | 1366.1 |
| 57.5° | 13806.0 | 10923.0 | 3222.1 | 1421.5 | 1367.3 | 1430.9 | 1508.6 | 1463.9 | 1432.1 | 1393.2 | 1379.1 |
| 60°   | 14771.7 | 11364.6 | 2724.0 | 1293.1 | 1281.3 | 1367.3 | 1466.2 | 1428.5 | 1387.3 | 1388.5 | 1386.1 |
| 62.5° | 15222.7 | 11341.1 | 2174.0 | 1178.9 | 1195.3 | 1281.3 | 1397.9 | 1373.2 | 1339.0 | 1385.0 | 1388.5 |
| 65°   | 14969.5 | 10775.8 | 1692.3 | 1075.2 | 1103.5 | 1191.8 | 1327.2 | 1346.1 | 1357.9 | 1446.2 | 1458.0 |
| 67.5° | 13907.3 | 9675.8  | 1310.8 | 984.5  | 1019.9 | 1130.6 | 1334.3 | 1466.2 | 1481.5 | 1574.6 | 1573.4 |
| 69°   | 12808.5 | 8644.2  | 1138.8 | 937.4  | 978.7  | 1145.9 | 1426.2 | 1542.8 | 1485.1 | 1584.0 | 1569.9 |
| 70°   | 11887.5 | 7828.1  | 1047.0 | 905.6  | 959.8  | 1173.0 | 1487.4 | 1541.6 | 1467.4 | 1552.2 | 1528.6 |
| 72.5° | 9155.3  | 5631.7  | 888.0  | 846.8  | 896.2  | 1122.3 | 1505.1 | 1507.4 | 1426.2 | 1442.7 | 1402.6 |
| 75°   | 6279.4  | 3559.0  | 774.9  | 766.7  | 799.6  | 1011.6 | 1448.5 | 1440.3 | 1319.0 | 1295.5 | 1262.5 |
| 77.5° | 3462.4  | 1807.7  | 658.3  | 690.1  | 712.5  | 896.2  | 1316.6 | 1304.9 | 1204.8 | 1155.3 | 1143.5 |
| 80°   | 1335.5  | 791.4   | 555.9  | 613.6  | 627.7  | 776.1  | 1154.1 | 1143.5 | 1059.9 | 996.3  | 978.7  |
| 82.5° | 504.0   | 414.5   | 459.3  | 531.1  | 526.4  | 640.7  | 977.5  | 971.6  | 890.3  | 797.3  | 769.0  |
| 85°   | 233.2   | 248.5   | 363.9  | 438.1  | 403.9  | 474.6  | 782.0  | 792.6  | 693.7  | 583.0  | 583.0  |
| 87.5° | 98.9    | 139.0   | 257.9  | 330.9  | 272.0  | 320.3  | 573.5  | 547.6  | 502.9  | 348.6  | 327.4  |
| 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)