

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: P532729

Luminaire Tested: **GLAN-SA8A-760-U-SL2-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532729  
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-SA8A-760-U-SL2-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 5700K, 615mA 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: 21554 lumens  
Efficiency: N/A  
Efficacy: 88.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2

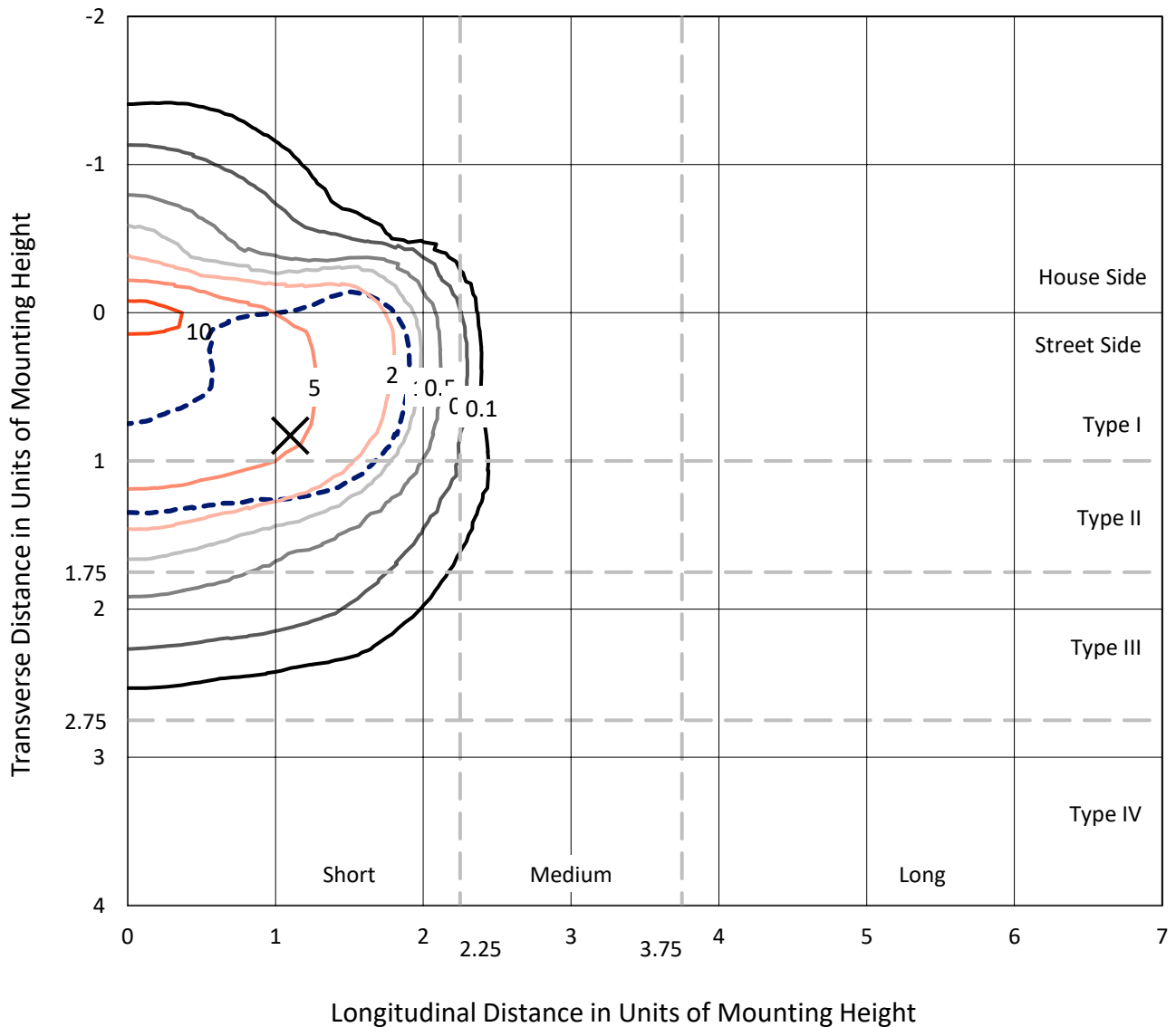
Input Watts (W): 244  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

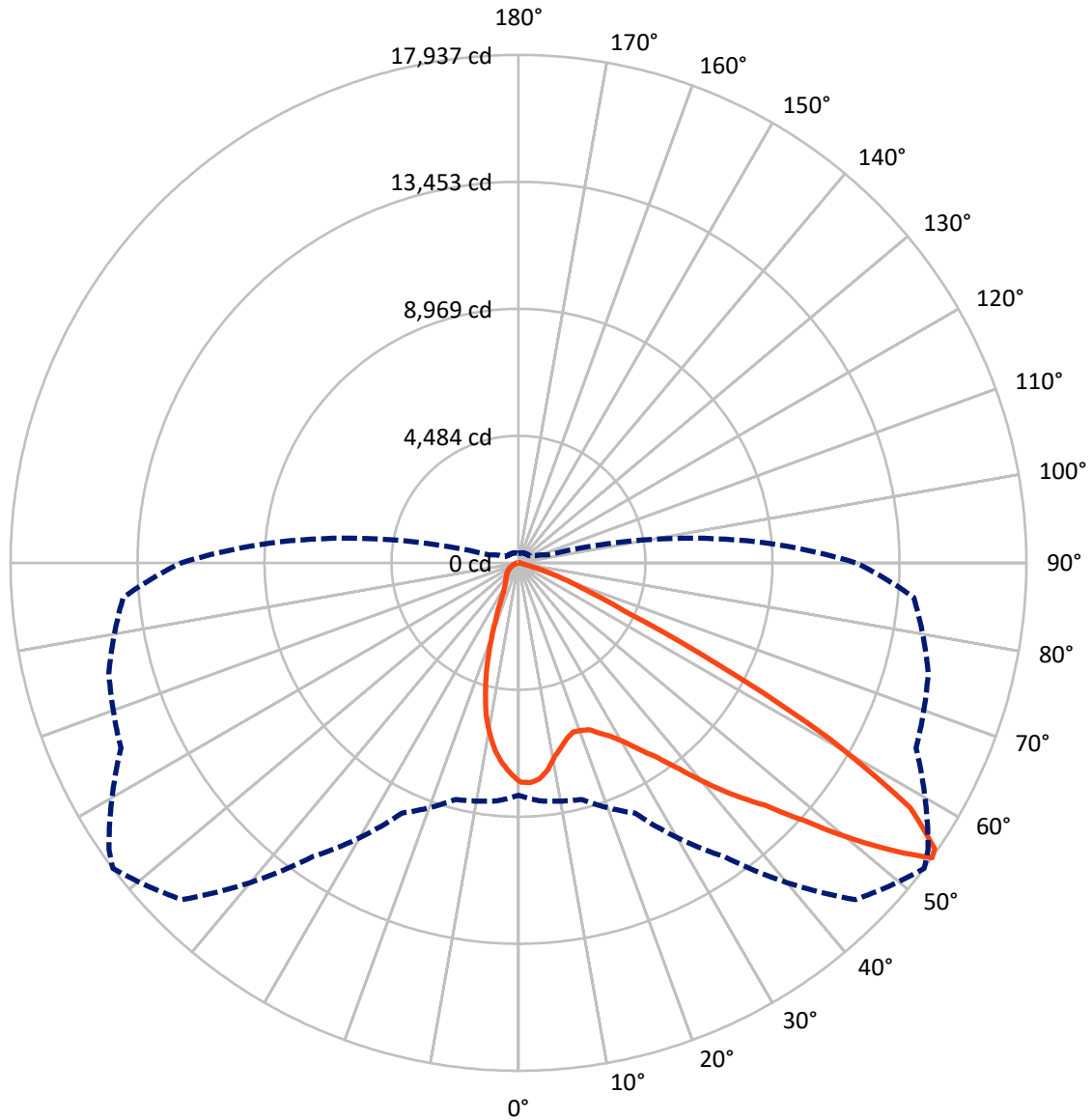
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.4 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    | 3566.2   | 0.0    | 3566.2  |
|                    | % Fixture | 16.5     | 0.0    | 16.5    |
| <b>Street Side</b> | Lumens    | 17987.8  | 0.0    | 17987.8 |
|                    | % Fixture | 83.5     | 0.0    | 83.5    |
| <b>Total</b>       | Lumens    | 21554.0  | 0.0    | 21554.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 664.2   | 3.1       |
| 10°-20°   | 1522.9  | 7.1       |
| 20°-30°   | 2164.3  | 10.0      |
| 30°-40°   | 3340.1  | 15.5      |
| 40°-50°   | 5237.0  | 24.3      |
| 50°-60°   | 6083.5  | 28.2      |
| 60°-70°   | 2298.7  | 10.7      |
| 70°-80°   | 218.6   | 1.0       |
| 80°-90°   | 24.6    | 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°    | 21554.0 | 100.0     |
| 0°-180°   | 21554.0 | 100.0     |

**Coefficient of Utilization**

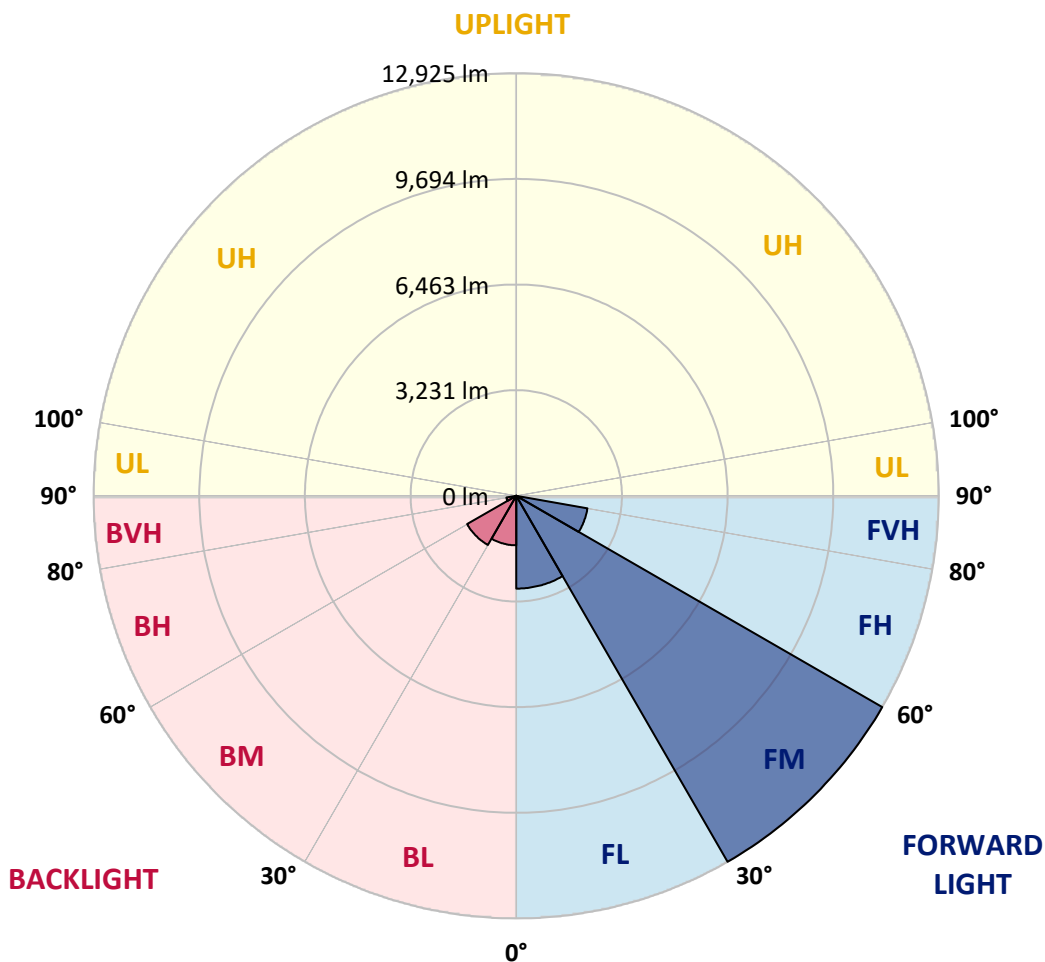


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|---------|-----------|-------------------------|------|---------|
|                |         |           | B                       | U    | G       |
| FL (0°-30°)    | 2838.1  | 13.2      |                         |      |         |
| FM (30°-60°)   | 12925.3 | 60.0      |                         |      |         |
| FH (60°-80°)   | 2211.8  | 10.3      |                         |      | G2/5000 |
| FVH (80°-90°)  | 12.7    | 0.1       |                         |      | G1/100  |
| BL (0°-30°)    | 1513.3  | 7.0       | B3/2500                 |      |         |
| BM (30°-60°)   | 1735.4  | 8.1       | B2/2500                 |      |         |
| BH (60°-80°)   | 305.5   | 1.4       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 11.9    | 0.1       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G2**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 53°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 7741.8  | 7741.8  | 7741.8  | 7741.8  | 7741.8  | 7741.8  | 7741.8  | 7741.8  | 7741.8  | 7741.8  | 7741.8  |
| 2.5°  | 7701.7  | 7633.4  | 7701.7  | 7709.7  | 7757.9  | 7802.1  | 7774.0  | 7838.2  | 7802.1  | 7761.9  | 7749.9  |
| 5°    | 7079.3  | 7171.6  | 7175.7  | 7320.2  | 7288.1  | 7553.1  | 7669.6  | 7637.4  | 7834.2  | 7822.1  | 7794.0  |
| 7.5°  | 6521.1  | 6485.0  | 6533.2  | 6701.8  | 6914.6  | 7219.8  | 7388.5  | 7384.5  | 7665.5  | 7866.3  | 7846.2  |
| 10°   | 6003.1  | 5999.1  | 6099.5  | 6232.0  | 6412.7  | 6733.9  | 6966.8  | 7083.3  | 7521.0  | 7826.2  | 7870.3  |
| 12.5° | 5653.8  | 5637.7  | 5746.1  | 5854.6  | 6139.7  | 6388.6  | 6685.8  | 6742.0  | 7243.9  | 7685.6  | 7757.9  |
| 15°   | 5424.9  | 5461.0  | 5469.1  | 5677.9  | 5858.6  | 6187.8  | 6420.7  | 6537.2  | 7115.4  | 7573.2  | 7850.3  |
| 17.5° | 5384.8  | 5432.9  | 5437.0  | 5609.6  | 5802.4  | 6079.4  | 6284.2  | 6440.8  | 7007.0  | 7629.4  | 7854.3  |
| 20°   | 5465.1  | 5437.0  | 5461.0  | 5569.5  | 5758.2  | 6023.2  | 6320.4  | 6372.6  | 6970.9  | 7657.5  | 7898.4  |
| 22.5° | 5693.9  | 5685.9  | 5625.7  | 5714.0  | 5846.5  | 6123.6  | 6404.7  | 6485.0  | 7075.3  | 7802.1  | 7934.6  |
| 25°   | 5946.9  | 5991.1  | 5934.9  | 5922.8  | 6015.2  | 6288.2  | 6661.7  | 6766.1  | 7424.6  | 8063.1  | 8047.0  |
| 27.5° | 6420.7  | 6376.6  | 6376.6  | 6320.4  | 6296.3  | 6428.8  | 6938.7  | 7111.4  | 7814.1  | 8400.4  | 8175.5  |
| 30°   | 6874.5  | 6922.7  | 6886.5  | 6906.6  | 6746.0  | 6733.9  | 7332.3  | 7545.1  | 8504.8  | 8914.4  | 8448.6  |
| 32.5° | 7593.3  | 7529.0  | 7589.2  | 7537.0  | 7324.2  | 7107.4  | 7866.3  | 8087.2  | 9340.0  | 9504.6  | 8858.1  |
| 35°   | 8191.6  | 8163.5  | 8420.4  | 8412.4  | 8067.1  | 7854.3  | 8432.5  | 8761.8  | 9922.2  | 10211.3 | 9340.0  |
| 37.5° | 9042.8  | 8990.6  | 9283.8  | 9424.3  | 9115.1  | 8797.9  | 9243.6  | 9625.1  | 10464.3 | 10777.5 | 9833.9  |
| 40°   | 9918.2  | 10050.7 | 10444.2 | 10677.1 | 10347.9 | 9926.3  | 10235.4 | 10351.9 | 10825.7 | 11147.0 | 10171.2 |
| 42.5° | 11026.5 | 11219.2 | 11620.8 | 11821.6 | 11793.4 | 11335.7 | 11243.3 | 11239.3 | 11086.7 | 11042.6 | 10420.2 |
| 45°   | 12090.6 | 12018.3 | 12636.7 | 13074.4 | 13427.7 | 13295.2 | 12215.1 | 12094.6 | 11500.3 | 11199.2 | 10484.4 |
| 47.5° | 12556.4 | 12532.3 | 12953.9 | 13732.9 | 14937.6 | 15102.2 | 13628.5 | 13162.7 | 12199.0 | 11857.7 | 10833.7 |
| 50°   | 11954.1 | 12078.5 | 12496.2 | 13359.5 | 15206.6 | 16463.4 | 15363.2 | 14736.8 | 13014.2 | 12660.8 | 11660.9 |
| 52.5° | 9986.5  | 10070.8 | 10468.3 | 11564.6 | 14291.1 | 17266.5 | 17025.6 | 16664.2 | 14511.9 | 13925.7 | 13102.5 |
| 54°   | 8211.6  | 8436.5  | 8653.3  | 9753.6  | 12660.8 | 16820.8 | 17937.1 | 17660.1 | 15487.7 | 14977.7 | 14010.0 |
| 55°   | 7151.6  | 7284.1  | 7440.7  | 8536.9  | 11532.4 | 16065.9 | 17832.7 | 17856.8 | 16142.2 | 15307.0 | 14620.3 |
| 57.5° | 5224.1  | 5316.5  | 5155.9  | 5641.7  | 7918.5  | 13046.3 | 16310.9 | 16961.4 | 17025.6 | 15800.9 | 14993.8 |
| 60°   | 3991.4  | 4031.5  | 3850.8  | 3927.1  | 4923.0  | 8954.5  | 12616.6 | 13399.6 | 15359.2 | 13809.2 | 12700.9 |
| 62.5° | 3095.9  | 3104.0  | 3099.9  | 3232.5  | 3393.1  | 5268.3  | 7890.4  | 8585.1  | 10588.8 | 9805.8  | 8625.2  |
| 65°   | 2280.8  | 2244.6  | 2308.9  | 2710.4  | 2895.2  | 3312.8  | 4156.0  | 4662.0  | 5754.2  | 4858.7  | 3473.4  |
| 67.5° | 1477.7  | 1489.7  | 1554.0  | 2015.8  | 2481.6  | 2541.8  | 2557.9  | 2517.7  | 2521.7  | 1389.4  | 871.4   |
| 70°   | 887.4   | 907.5   | 887.4   | 1140.4  | 1774.8  | 1823.0  | 1666.4  | 1626.3  | 1268.9  | 329.3   | 325.3   |
| 72.5° | 526.0   | 497.9   | 445.7   | 489.9   | 738.8   | 883.4   | 795.1   | 791.0   | 497.9   | 192.7   | 192.7   |
| 75°   | 220.9   | 200.8   | 164.6   | 148.6   | 196.8   | 188.7   | 188.7   | 168.6   | 132.5   | 128.5   | 120.5   |
| 77.5° | 44.2    | 44.2    | 32.1    | 36.1    | 48.2    | 56.2    | 68.3    | 68.3    | 80.3    | 80.3    | 76.3    |
| 80°   | 0.0     | 4.0     | 12.0    | 24.1    | 36.1    | 52.2    | 60.2    | 60.2    | 68.3    | 68.3    | 56.2    |
| 82.5° | 0.0     | 4.0     | 12.0    | 24.1    | 32.1    | 48.2    | 60.2    | 60.2    | 68.3    | 72.3    | 60.2    |
| 85°   | 0.0     | 4.0     | 12.0    | 20.1    | 32.1    | 40.2    | 40.2    | 36.1    | 28.1    | 24.1    | 16.1    |
| 87.5° | 0.0     | 0.0     | 4.0     | 8.0     | 4.0     | 8.0     | 8.0     | 8.0     | 8.0     | 8.0     | 8.0     |
| 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°    | 7741.8  | 7741.8 | 7741.8 | 7741.8 | 7741.8 | 7741.8 | 7741.8 | 7741.8 | 7741.8 | 7741.8 | 7741.8 |
| 2.5°  | 7778.0  | 7774.0 | 7677.6 | 7521.0 | 7484.8 | 7352.3 | 7336.3 | 7256.0 | 7300.1 | 7151.6 | 7135.5 |
| 5°    | 7713.7  | 7665.5 | 7549.1 | 7448.7 | 7155.6 | 6946.8 | 6782.1 | 6581.4 | 6464.9 | 6485.0 | 6408.7 |
| 7.5°  | 7806.1  | 7681.6 | 7476.8 | 7127.5 | 6770.1 | 6404.7 | 6207.9 | 5798.3 | 5649.8 | 5428.9 | 5396.8 |
| 10°   | 7709.7  | 7617.4 | 7300.1 | 6721.9 | 6228.0 | 5702.0 | 5240.2 | 4786.4 | 4441.1 | 4292.5 | 4260.4 |
| 12.5° | 7701.7  | 7541.1 | 7011.0 | 6368.5 | 5653.8 | 4898.9 | 4228.3 | 3662.1 | 3320.8 | 3128.1 | 3083.9 |
| 15°   | 7577.2  | 7384.5 | 6685.8 | 5822.4 | 4834.6 | 3895.0 | 3164.2 | 2618.1 | 2357.1 | 2244.6 | 2276.8 |
| 17.5° | 7589.2  | 7300.1 | 6360.5 | 5244.2 | 4027.5 | 2859.0 | 2160.3 | 1879.2 | 1811.0 | 1839.1 | 1839.1 |
| 20°   | 7577.2  | 7111.4 | 5967.0 | 4577.6 | 3083.9 | 1983.6 | 1586.1 | 1485.7 | 1529.9 | 1618.2 | 1598.2 |
| 22.5° | 7513.0  | 7023.1 | 5605.6 | 3874.9 | 2268.7 | 1469.7 | 1272.9 | 1276.9 | 1345.2 | 1453.6 | 1477.7 |
| 25°   | 7561.1  | 6826.3 | 5147.8 | 3164.2 | 1654.4 | 1172.5 | 1104.3 | 1132.4 | 1204.6 | 1285.0 | 1301.0 |
| 27.5° | 7525.0  | 6685.8 | 4670.0 | 2457.5 | 1208.7 | 1007.9 | 1003.9 | 1036.0 | 1068.1 | 1128.3 | 1128.3 |
| 30°   | 7565.2  | 6557.3 | 4200.2 | 1827.0 | 995.8  | 923.6  | 907.5  | 931.6  | 963.7  | 975.8  | 971.7  |
| 32.5° | 7713.7  | 6460.9 | 3658.1 | 1365.3 | 879.4  | 843.2  | 843.2  | 843.2  | 839.2  | 855.3  | 859.3  |
| 35°   | 8039.0  | 6477.0 | 3180.3 | 1056.1 | 803.1  | 775.0  | 762.9  | 746.9  | 738.8  | 746.9  | 750.9  |
| 37.5° | 8392.3  | 6468.9 | 2686.4 | 899.5  | 746.9  | 722.8  | 694.7  | 670.6  | 666.6  | 674.6  | 662.6  |
| 40°   | 8548.9  | 6545.2 | 2228.6 | 807.1  | 694.7  | 666.6  | 622.4  | 602.3  | 606.3  | 614.4  | 606.3  |
| 42.5° | 8761.8  | 6569.3 | 1931.4 | 734.8  | 646.5  | 602.3  | 574.2  | 550.1  | 546.1  | 558.2  | 554.1  |
| 45°   | 8757.7  | 6432.8 | 1618.2 | 694.7  | 602.3  | 554.1  | 518.0  | 497.9  | 497.9  | 505.9  | 510.0  |
| 47.5° | 9014.7  | 6412.7 | 1389.4 | 658.5  | 570.2  | 522.0  | 477.8  | 461.8  | 457.8  | 457.8  | 449.7  |
| 50°   | 9613.0  | 6693.8 | 1212.7 | 618.4  | 530.0  | 485.9  | 449.7  | 429.7  | 413.6  | 405.6  | 401.5  |
| 52.5° | 10781.5 | 7569.2 | 1076.1 | 570.2  | 485.9  | 449.7  | 417.6  | 401.5  | 381.5  | 361.4  | 357.4  |
| 54°   | 11913.9 | 8472.6 | 1068.1 | 530.0  | 449.7  | 425.6  | 397.5  | 389.5  | 365.4  | 337.3  | 329.3  |
| 55°   | 12423.9 | 8998.7 | 1096.2 | 497.9  | 425.6  | 409.6  | 385.5  | 377.5  | 353.4  | 321.2  | 317.2  |
| 57.5° | 12845.5 | 9203.5 | 1080.2 | 413.6  | 385.5  | 381.5  | 361.4  | 349.3  | 321.2  | 277.1  | 269.0  |
| 60°   | 10339.8 | 6958.8 | 775.0  | 365.4  | 353.4  | 345.3  | 329.3  | 321.2  | 285.1  | 236.9  | 232.9  |
| 62.5° | 6533.2  | 4003.4 | 493.9  | 321.2  | 309.2  | 297.1  | 277.1  | 269.0  | 236.9  | 188.7  | 176.7  |
| 65°   | 2782.7  | 1658.4 | 333.3  | 285.1  | 265.0  | 244.9  | 228.9  | 216.8  | 188.7  | 140.5  | 136.5  |
| 67.5° | 722.8   | 590.3  | 277.1  | 249.0  | 220.9  | 192.7  | 180.7  | 160.6  | 128.5  | 96.4   | 92.4   |
| 70°   | 325.3   | 297.1  | 232.9  | 208.8  | 176.7  | 148.6  | 132.5  | 112.4  | 84.3   | 64.2   | 60.2   |
| 72.5° | 192.7   | 188.7  | 176.7  | 156.6  | 132.5  | 112.4  | 96.4   | 76.3   | 56.2   | 36.1   | 36.1   |
| 75°   | 120.5   | 116.4  | 120.5  | 108.4  | 92.4   | 84.3   | 72.3   | 52.2   | 32.1   | 16.1   | 16.1   |
| 77.5° | 72.3    | 72.3   | 72.3   | 68.3   | 64.2   | 64.2   | 52.2   | 32.1   | 16.1   | 4.0    | 4.0    |
| 80°   | 56.2    | 56.2   | 60.2   | 56.2   | 56.2   | 56.2   | 44.2   | 24.1   | 8.0    | 0.0    | 0.0    |
| 82.5° | 56.2    | 60.2   | 68.3   | 64.2   | 56.2   | 48.2   | 40.2   | 24.1   | 8.0    | 0.0    | 0.0    |
| 85°   | 16.1    | 12.0   | 20.1   | 28.1   | 40.2   | 36.1   | 28.1   | 20.1   | 8.0    | 0.0    | 0.0    |
| 87.5° | 8.0     | 8.0    | 8.0    | 8.0    | 4.0    | 4.0    | 4.0    | 4.0    | 4.0    | 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)