

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: P528765

Luminaire Tested: **GLAN-SA3D-760-U-T3R-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528765  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA3D-760-U-T3R-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 5700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14045 lumens  
Efficiency: N/A  
Efficacy: 76.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1

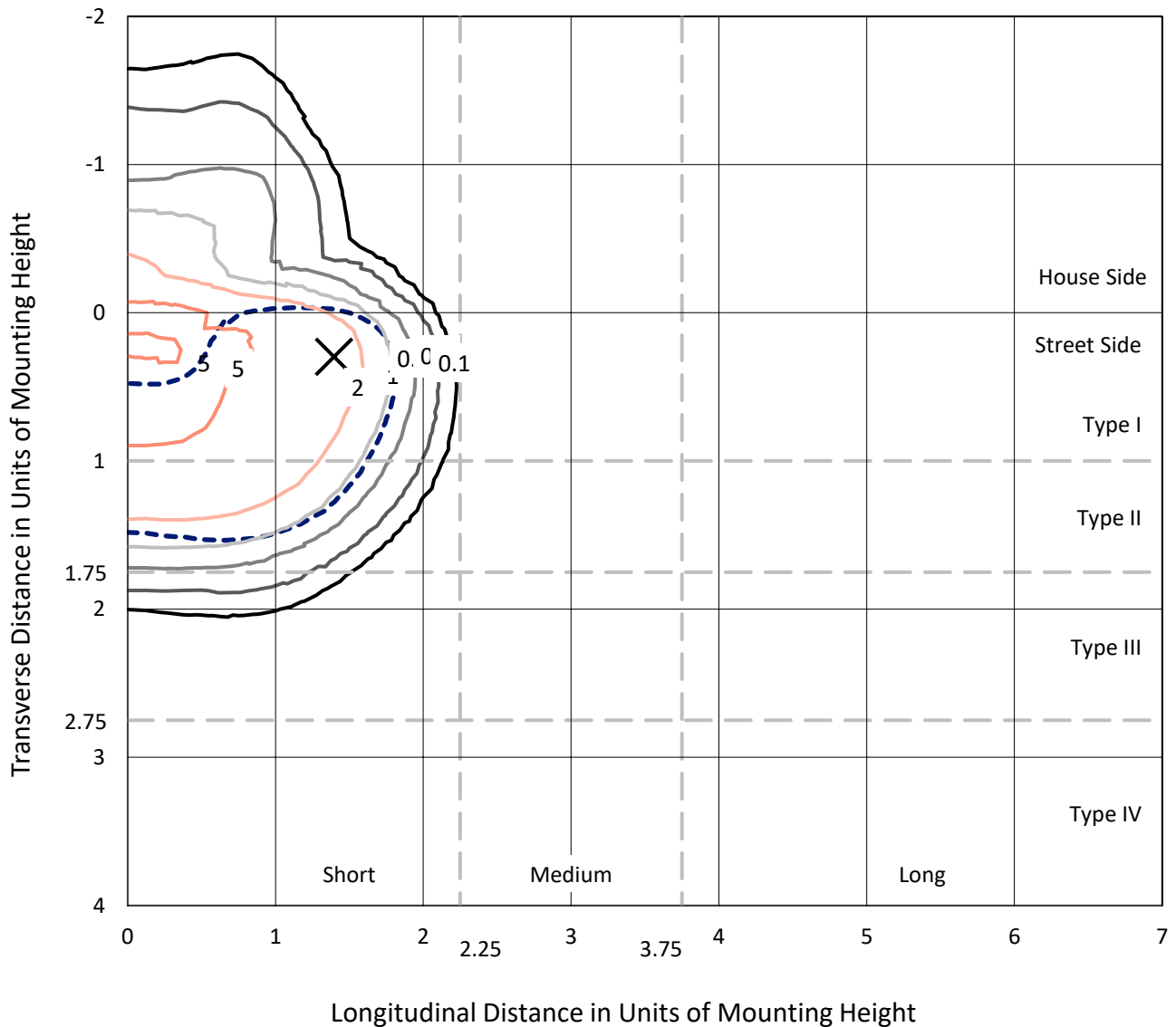
Input Watts (W): 184  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

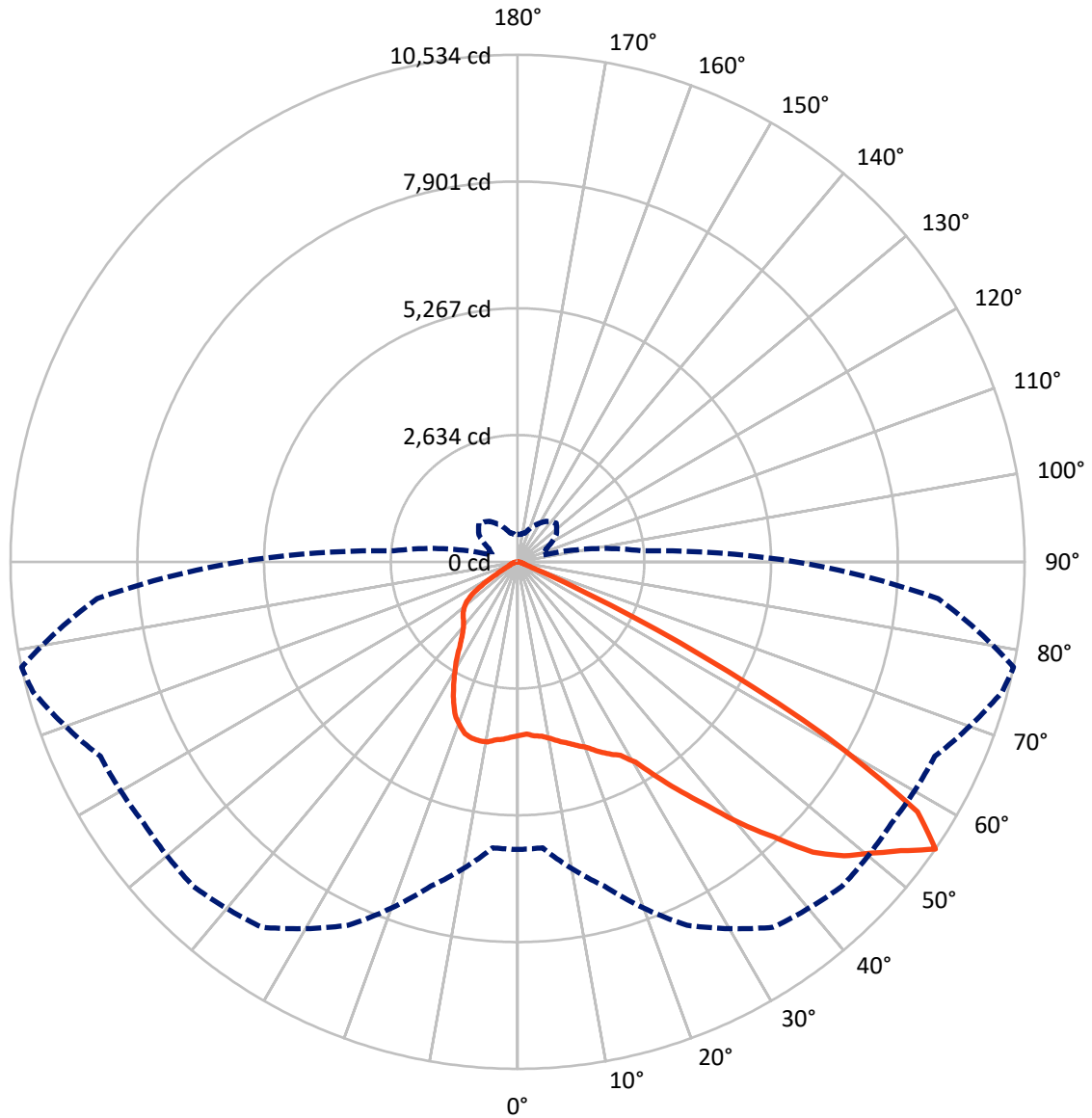
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral      - - - Horizontal Cone Through 55-Deg Vertical

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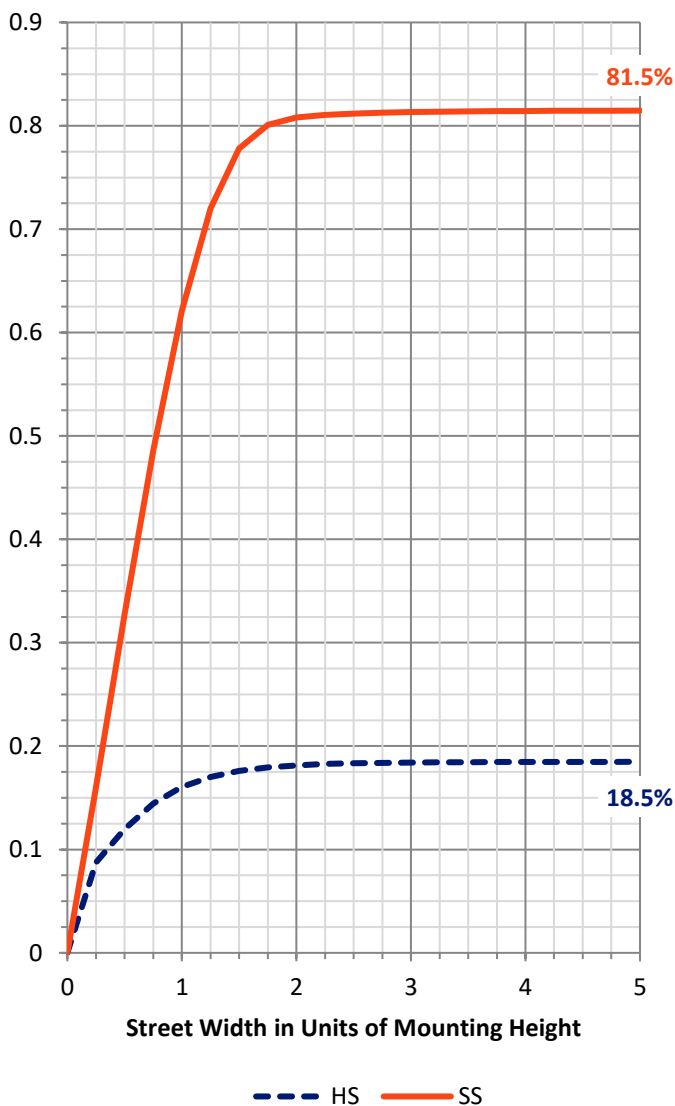
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2608.7   | 0.0    | 2608.7  |
|                    | % Fixture | 18.6     | 0.0    | 18.6    |
| <b>Street Side</b> | Lumens    | 11436.3  | 0.0    | 11436.3 |
|                    | % Fixture | 81.4     | 0.0    | 81.4    |
| <b>Total</b>       | Lumens    | 14045.0  | 0.0    | 14045.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 322.0   | 2.3       |
| 10°-20°   | 852.1   | 6.1       |
| 20°-30°   | 1493.6  | 10.6      |
| 30°-40°   | 2462.8  | 17.5      |
| 40°-50°   | 3583.7  | 25.5      |
| 50°-60°   | 4060.7  | 28.9      |
| 60°-70°   | 1161.0  | 8.3       |
| 70°-80°   | 90.1    | 0.6       |
| 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°    | 14045.0 | 100.0     |
| 0°-180°   | 14045.0 | 100.0     |

**Coefficient of Utilization**

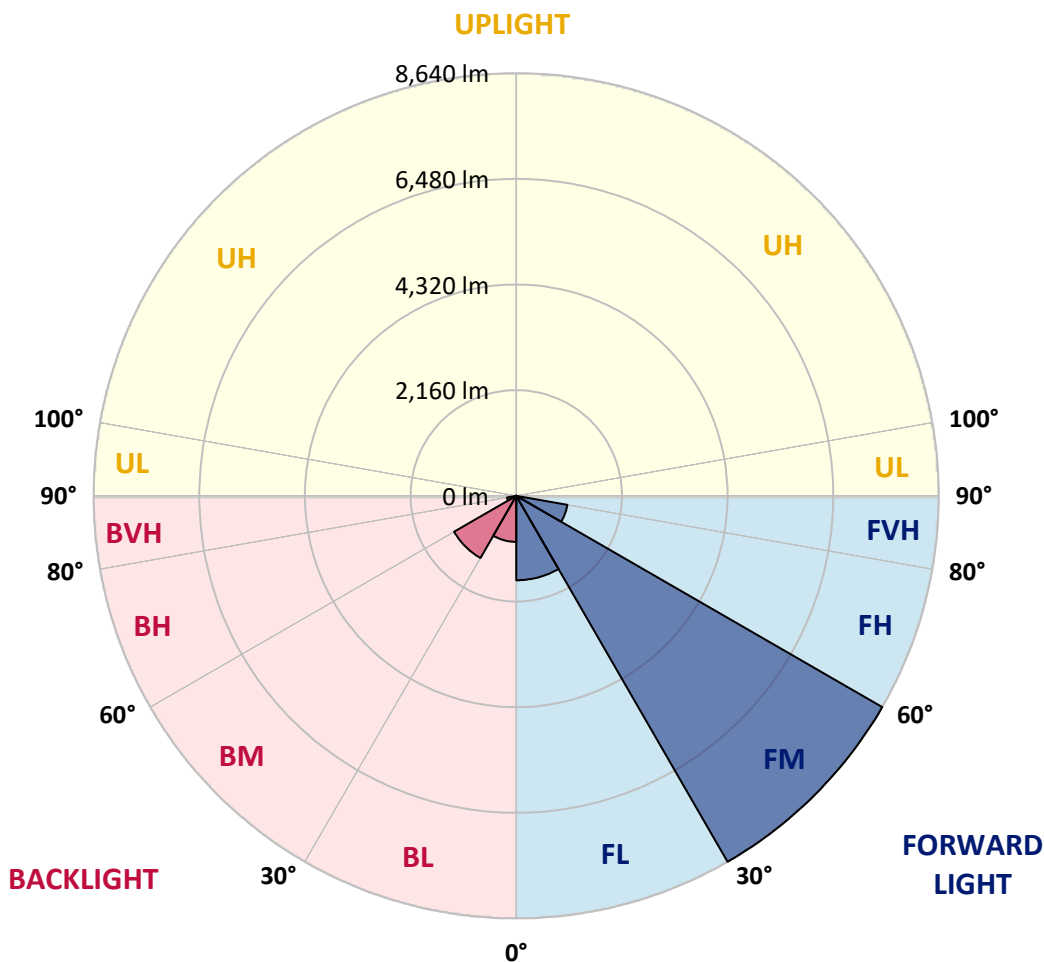


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1726.5 | 12.3      |                         |      |         |
| FM (30°-60°)   | 8639.9 | 61.5      |                         |      |         |
| FH (60°-80°)   | 1060.8 | 7.6       |                         |      | G1/1800 |
| FVH (80°-90°)  | 9.1    | 0.1       |                         |      | G0/10   |
| BL (0°-30°)    | 941.2  | 6.7       | B2/1000                 |      |         |
| BM (30°-60°)   | 1467.4 | 10.4      | B2/2500                 |      |         |
| BH (60°-80°)   | 190.4  | 1.4       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 9.6    | 0.1       |                         |      | G0/10   |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G1**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°     | 78°     | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| 0°    | 3611.0 | 3611.0 | 3611.0 | 3611.0 | 3611.0 | 3611.0 | 3611.0 | 3611.0 | 3611.0  | 3611.0  | 3611.0 |
| 2.5°  | 3395.0 | 3427.7 | 3432.7 | 3472.9 | 3470.4 | 3538.2 | 3558.2 | 3560.8 | 3606.0  | 3583.4  | 3641.1 |
| 5°    | 3299.6 | 3282.0 | 3274.5 | 3344.8 | 3364.9 | 3425.2 | 3475.4 | 3505.5 | 3598.4  | 3631.1  | 3691.3 |
| 7.5°  | 3214.2 | 3214.2 | 3219.2 | 3282.0 | 3274.5 | 3352.3 | 3405.1 | 3498.0 | 3633.6  | 3661.2  | 3734.0 |
| 10°   | 3131.4 | 3101.2 | 3138.9 | 3204.2 | 3259.4 | 3294.6 | 3405.1 | 3493.0 | 3651.2  | 3731.5  | 3832.0 |
| 12.5° | 3088.7 | 3103.7 | 3108.8 | 3156.5 | 3216.7 | 3322.2 | 3382.5 | 3528.1 | 3776.7  | 3824.4  | 3932.4 |
| 15°   | 3357.4 | 3327.2 | 3254.4 | 3211.7 | 3261.9 | 3312.2 | 3462.8 | 3611.0 | 3842.0  | 3909.8  | 4030.3 |
| 17.5° | 3668.7 | 3643.6 | 3583.4 | 3467.8 | 3354.8 | 3447.8 | 3565.8 | 3701.4 | 3912.3  | 4012.8  | 4191.0 |
| 20°   | 4075.5 | 4035.4 | 3975.1 | 3749.1 | 3651.2 | 3550.7 | 3676.3 | 3837.0 | 4027.8  | 4118.2  | 4301.5 |
| 22.5° | 4560.2 | 4560.2 | 4424.6 | 4150.9 | 3947.5 | 3852.0 | 3904.8 | 3997.7 | 4155.9  | 4278.9  | 4459.7 |
| 25°   | 5064.9 | 5049.8 | 4926.8 | 4643.0 | 4299.0 | 4186.0 | 4246.3 | 4311.6 | 4354.3  | 4422.1  | 4542.6 |
| 27.5° | 5642.5 | 5554.6 | 5398.9 | 5085.0 | 4781.2 | 4562.7 | 4628.0 | 4570.2 | 4517.5  | 4552.6  | 4725.9 |
| 30°   | 6034.2 | 6089.4 | 5891.1 | 5589.7 | 5303.5 | 5059.9 | 5072.4 | 5022.2 | 4781.2  | 4831.4  | 4934.3 |
| 32.5° | 6441.0 | 6476.2 | 6365.7 | 6199.9 | 5913.7 | 5629.9 | 5527.0 | 5484.3 | 5303.5  | 5326.1  | 5225.6 |
| 35°   | 6780.0 | 6847.8 | 6749.9 | 6677.0 | 6594.2 | 6365.7 | 6081.9 | 6220.0 | 5928.7  | 5873.5  | 5612.3 |
| 37.5° | 7091.4 | 7071.3 | 7186.8 | 7111.5 | 7093.9 | 6933.2 | 6621.8 | 6649.4 | 6453.6  | 6441.0  | 6139.7 |
| 40°   | 7370.1 | 7375.1 | 7533.3 | 7568.5 | 7498.2 | 7211.9 | 6759.9 | 6978.4 | 7136.6  | 7151.6  | 6764.9 |
| 42.5° | 7601.1 | 7668.9 | 7804.5 | 8088.3 | 7982.8 | 7505.7 | 6903.0 | 7141.6 | 7729.2  | 7822.1  | 7357.6 |
| 45°   | 7802.0 | 7940.1 | 8108.4 | 8362.0 | 8301.7 | 7922.6 | 7259.6 | 7478.1 | 8362.0  | 8605.6  | 7915.0 |
| 47.5° | 7814.6 | 7995.4 | 8178.7 | 8555.4 | 8630.7 | 8146.0 | 7628.8 | 8010.4 | 8864.2  | 9127.9  | 8321.8 |
| 50°   | 7764.4 | 7859.8 | 8226.4 | 8635.7 | 8806.5 | 8510.2 | 8146.0 | 8457.4 | 9351.4  | 9517.1  | 8527.7 |
| 52.5° | 7169.2 | 7242.0 | 7977.8 | 8711.0 | 9122.9 | 8922.0 | 8831.6 | 9080.2 | 9848.6  | 9971.6  | 8721.1 |
| 55°   | 5976.4 | 5963.9 | 6975.9 | 8331.9 | 9268.5 | 9532.2 | 9476.9 | 9564.8 | 10423.6 | 10534.1 | 8768.8 |
| 57.5° | 4088.1 | 4316.6 | 5190.5 | 6938.2 | 8377.1 | 9389.0 | 9446.8 | 9301.2 | 9753.2  | 9795.8  | 7643.8 |
| 60°   | 2204.8 | 2300.2 | 3003.3 | 4630.5 | 6378.2 | 7651.4 | 7802.0 | 7538.4 | 7503.2  | 7382.7  | 5456.6 |
| 62.5° | 876.4  | 924.1  | 1323.4 | 2292.6 | 3475.4 | 4650.6 | 4974.5 | 4866.5 | 4635.5  | 4319.1  | 2825.0 |
| 65°   | 416.8  | 447.0  | 657.9  | 1072.2 | 1541.8 | 1938.6 | 2262.5 | 2363.0 | 1742.7  | 1569.4  | 931.6  |
| 67.5° | 283.8  | 306.4  | 479.6  | 612.7  | 549.9  | 575.0  | 748.3  | 695.6  | 409.3   | 349.0   | 258.6  |
| 70°   | 216.0  | 231.0  | 384.2  | 416.8  | 246.1  | 173.3  | 193.4  | 180.8  | 168.2   | 170.8   | 168.2  |
| 72.5° | 153.2  | 165.7  | 281.2  | 246.1  | 108.0  | 80.4   | 103.0  | 123.0  | 123.0   | 123.0   | 120.5  |
| 75°   | 92.9   | 105.5  | 163.2  | 95.4   | 42.7   | 42.7   | 65.3   | 82.9   | 87.9    | 90.4    | 85.4   |
| 77.5° | 47.7   | 60.3   | 55.2   | 27.6   | 27.6   | 32.6   | 47.7   | 57.8   | 62.8    | 62.8    | 60.3   |
| 80°   | 10.0   | 10.0   | 10.0   | 15.1   | 27.6   | 35.2   | 47.7   | 52.7   | 60.3    | 60.3    | 55.2   |
| 82.5° | 0.0    | 2.5    | 7.5    | 15.1   | 25.1   | 32.6   | 45.2   | 52.7   | 60.3    | 62.8    | 57.8   |
| 85°   | 0.0    | 2.5    | 5.0    | 10.0   | 17.6   | 20.1   | 17.6   | 15.1   | 15.1    | 15.1    | 15.1   |
| 87.5° | 0.0    | 0.0    | 2.5    | 2.5    | 2.5    | 5.0    | 5.0    | 5.0    | 5.0     | 5.0     | 5.0    |
| 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°    | 3611.0 | 3611.0 | 3611.0 | 3611.0 | 3611.0 | 3611.0 | 3611.0 | 3611.0 | 3611.0 | 3611.0 | 3611.0 |
| 2.5°  | 3646.1 | 3653.7 | 3641.1 | 3638.6 | 3628.6 | 3658.7 | 3585.9 | 3568.3 | 3613.5 | 3570.8 | 3580.8 |
| 5°    | 3693.8 | 3711.4 | 3688.8 | 3651.2 | 3595.9 | 3510.5 | 3437.7 | 3342.3 | 3297.1 | 3264.4 | 3259.4 |
| 7.5°  | 3729.0 | 3741.6 | 3719.0 | 3598.4 | 3432.7 | 3216.7 | 3056.0 | 2938.0 | 2845.1 | 2817.5 | 2772.3 |
| 10°   | 3872.1 | 3874.6 | 3761.6 | 3495.5 | 3171.5 | 2887.8 | 2641.7 | 2460.9 | 2368.0 | 2310.2 | 2285.1 |
| 12.5° | 3967.6 | 3962.5 | 3734.0 | 3292.1 | 2860.2 | 2483.5 | 2202.2 | 1983.8 | 1898.4 | 1870.8 | 1853.2 |
| 15°   | 4088.1 | 4060.5 | 3668.7 | 3083.6 | 2458.4 | 2051.6 | 1798.0 | 1647.3 | 1639.8 | 1622.2 | 1639.8 |
| 17.5° | 4183.5 | 4105.7 | 3573.3 | 2704.5 | 2074.2 | 1690.0 | 1524.2 | 1534.3 | 1554.4 | 1572.0 | 1574.5 |
| 20°   | 4339.2 | 4178.5 | 3354.8 | 2373.0 | 1717.6 | 1448.9 | 1446.4 | 1491.6 | 1541.8 | 1561.9 | 1582.0 |
| 22.5° | 4457.2 | 4208.6 | 3121.3 | 2018.9 | 1426.3 | 1351.0 | 1393.7 | 1461.5 | 1499.1 | 1519.2 | 1549.4 |
| 25°   | 4499.9 | 4125.8 | 2809.9 | 1664.9 | 1285.7 | 1305.8 | 1371.1 | 1416.3 | 1464.0 | 1486.6 | 1474.0 |
| 27.5° | 4542.6 | 4083.1 | 2438.3 | 1371.1 | 1210.4 | 1275.6 | 1330.9 | 1376.1 | 1391.2 | 1421.3 | 1441.4 |
| 30°   | 4645.6 | 3934.9 | 2104.3 | 1185.2 | 1172.7 | 1255.6 | 1295.7 | 1310.8 | 1351.0 | 1368.6 | 1368.6 |
| 32.5° | 4728.4 | 3877.2 | 1750.2 | 1097.4 | 1167.7 | 1265.6 | 1270.6 | 1270.6 | 1275.6 | 1263.1 | 1258.1 |
| 35°   | 4899.2 | 3678.8 | 1433.8 | 1044.6 | 1165.2 | 1268.1 | 1280.7 | 1238.0 | 1122.5 | 1077.3 | 1064.7 |
| 37.5° | 5110.1 | 3550.7 | 1200.3 | 1032.1 | 1182.7 | 1298.2 | 1318.3 | 1157.6 | 1007.0 | 934.1  | 921.6  |
| 40°   | 5366.2 | 3460.3 | 1047.1 | 1027.0 | 1222.9 | 1368.6 | 1308.3 | 1094.8 | 899.0  | 793.5  | 788.5  |
| 42.5° | 5665.1 | 3377.4 | 944.2  | 1024.5 | 1273.1 | 1441.4 | 1298.2 | 1042.1 | 788.5  | 718.2  | 728.2  |
| 45°   | 5903.6 | 3332.2 | 873.9  | 1007.0 | 1290.7 | 1484.1 | 1305.8 | 949.2  | 743.3  | 698.1  | 703.1  |
| 47.5° | 6089.4 | 3236.8 | 816.1  | 976.8  | 1288.2 | 1499.1 | 1238.0 | 911.5  | 720.7  | 733.2  | 745.8  |
| 50°   | 6094.5 | 3108.8 | 743.3  | 911.5  | 1250.5 | 1471.5 | 1160.1 | 876.4  | 715.7  | 768.4  | 793.5  |
| 52.5° | 6026.7 | 2928.0 | 665.4  | 818.6  | 1162.6 | 1376.1 | 1089.8 | 861.3  | 693.1  | 688.0  | 718.2  |
| 55°   | 5785.6 | 2589.0 | 534.9  | 662.9  | 981.8  | 1135.0 | 1027.0 | 833.7  | 625.3  | 567.5  | 572.5  |
| 57.5° | 4675.7 | 1855.7 | 394.2  | 474.6  | 695.6  | 831.2  | 926.6  | 821.1  | 562.5  | 482.1  | 484.6  |
| 60°   | 2895.3 | 1052.2 | 288.8  | 323.9  | 429.4  | 504.7  | 750.8  | 763.4  | 502.2  | 406.8  | 401.8  |
| 62.5° | 1486.6 | 519.8  | 223.5  | 228.5  | 263.7  | 296.3  | 514.8  | 640.3  | 454.5  | 386.7  | 386.7  |
| 65°   | 497.2  | 256.1  | 195.9  | 175.8  | 175.8  | 183.3  | 311.4  | 444.5  | 384.2  | 323.9  | 323.9  |
| 67.5° | 213.4  | 190.8  | 170.8  | 153.2  | 140.6  | 133.1  | 175.8  | 258.6  | 286.3  | 246.1  | 236.0  |
| 70°   | 165.7  | 160.7  | 148.2  | 128.1  | 110.5  | 100.4  | 103.0  | 133.1  | 163.2  | 158.2  | 153.2  |
| 72.5° | 123.0  | 123.0  | 118.0  | 100.4  | 85.4   | 72.8   | 67.8   | 70.3   | 77.8   | 80.4   | 82.9   |
| 75°   | 85.4   | 87.9   | 87.9   | 77.8   | 62.8   | 52.7   | 45.2   | 37.7   | 30.1   | 25.1   | 22.6   |
| 77.5° | 57.8   | 60.3   | 65.3   | 57.8   | 47.7   | 35.2   | 27.6   | 20.1   | 12.6   | 5.0    | 5.0    |
| 80°   | 50.2   | 57.8   | 62.8   | 57.8   | 50.2   | 37.7   | 27.6   | 15.1   | 7.5    | 0.0    | 0.0    |
| 82.5° | 52.7   | 57.8   | 65.3   | 55.2   | 47.7   | 35.2   | 27.6   | 17.6   | 7.5    | 2.5    | 0.0    |
| 85°   | 12.6   | 12.6   | 15.1   | 17.6   | 22.6   | 25.1   | 20.1   | 12.6   | 7.5    | 2.5    | 0.0    |
| 87.5° | 5.0    | 5.0    | 5.0    | 5.0    | 5.0    | 2.5    | 2.5    | 2.5    | 2.5    | 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)