

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: P648981

Luminaire Tested: **GLAN-SA6C-835-U-SL3**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P648981  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6C-835-U-SL3  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32354.4 lumens  
Efficiency: N/A  
Efficacy: 100.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G5

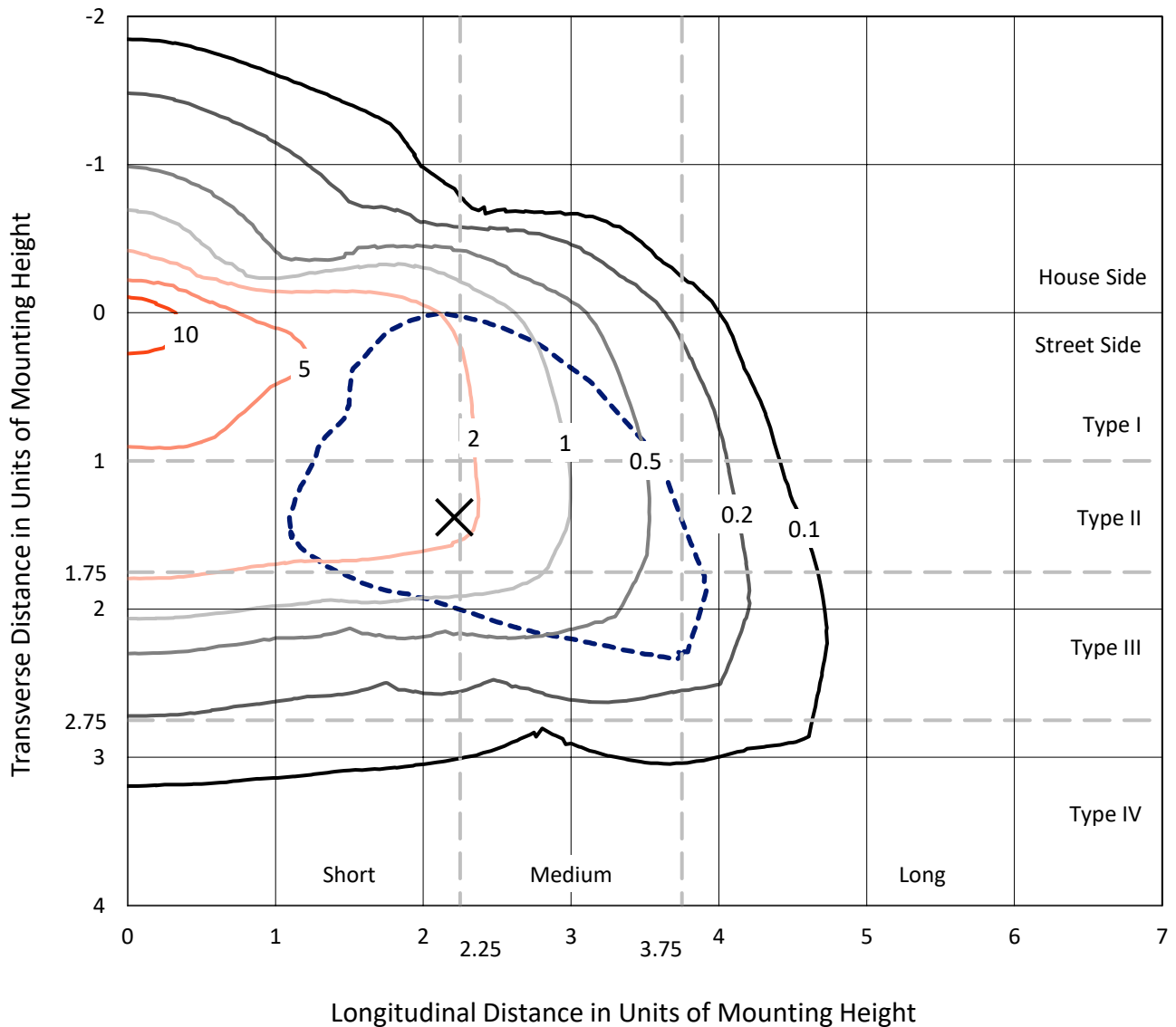
Input Watts (W): 321  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

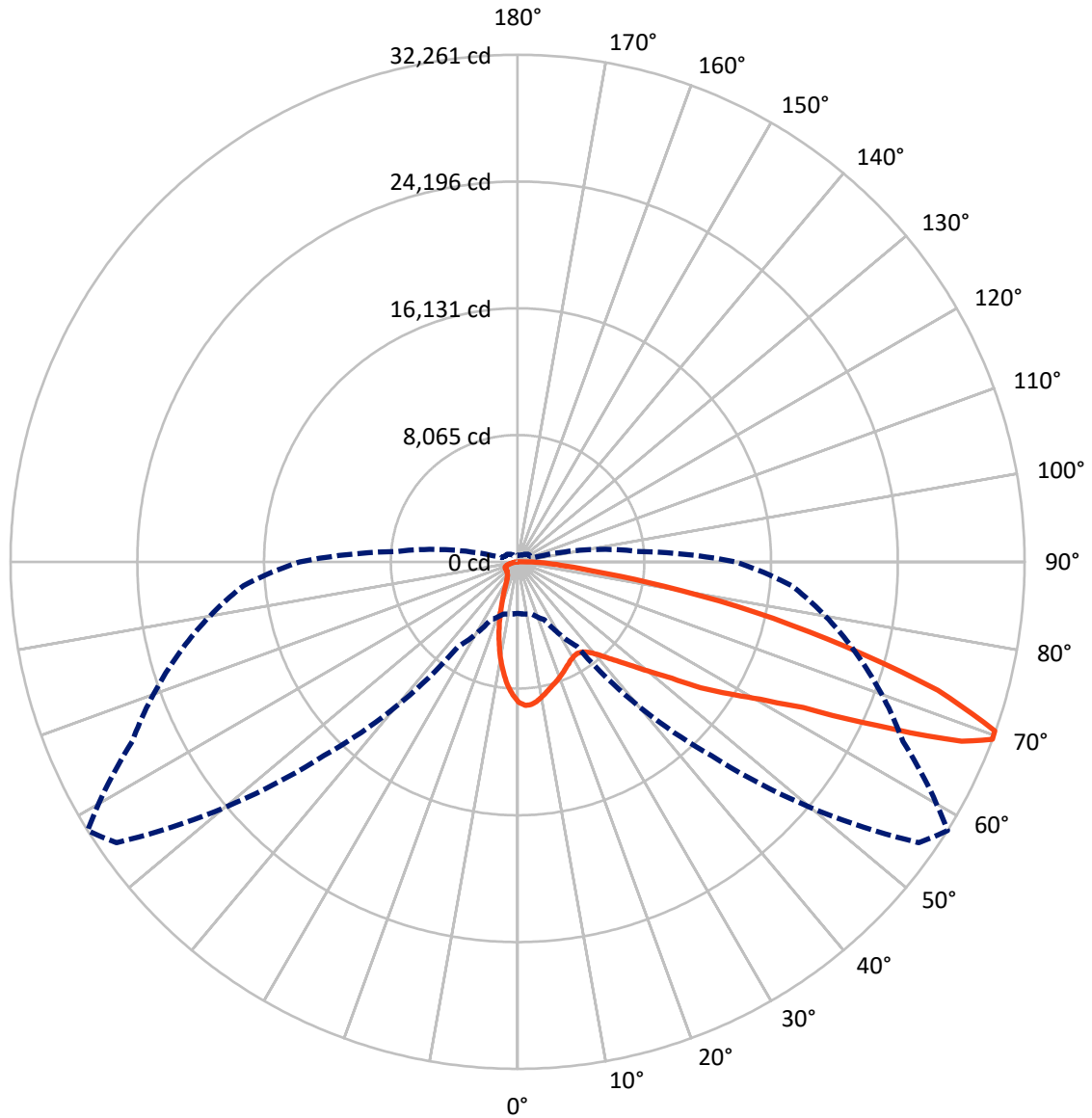
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.3 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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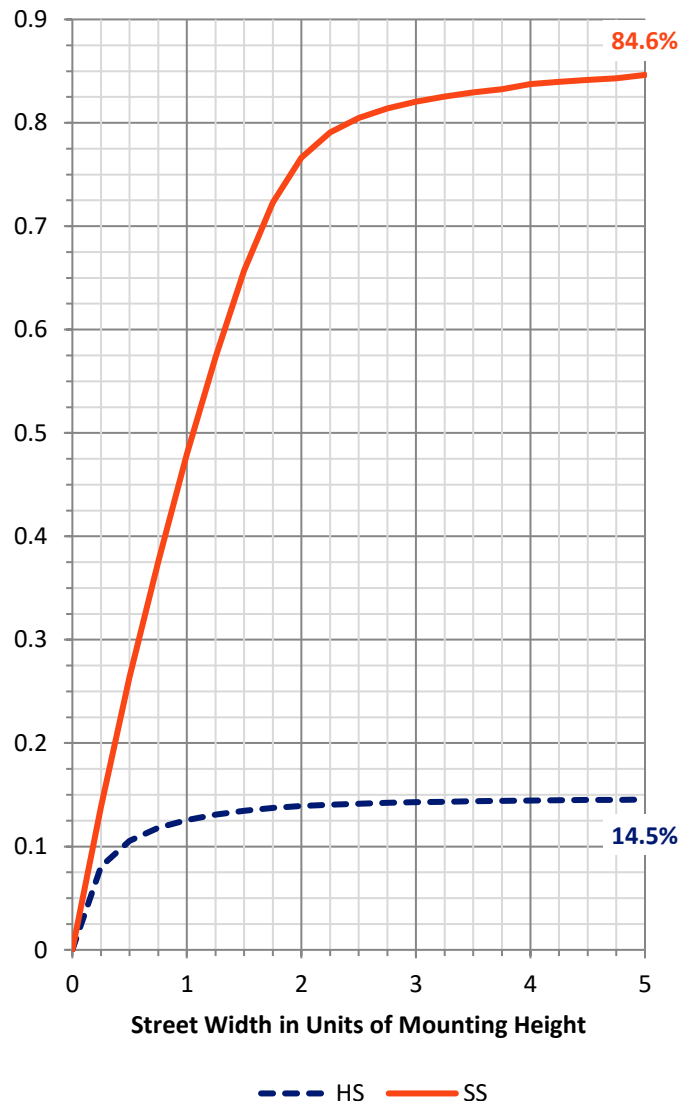
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4741.6   | 0.0    | 4741.6  |
|                    | % Fixture | 14.7     | 0.0    | 14.7    |
| <b>Street Side</b> | Lumens    | 27612.8  | 0.0    | 27612.8 |
|                    | % Fixture | 85.3     | 0.0    | 85.3    |
| <b>Total</b>       | Lumens    | 32354.4  | 0.0    | 32354.4 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 759.3   | 2.3       |
| 10°-20°   | 1667.3  | 5.2       |
| 20°-30°   | 2154.1  | 6.7       |
| 30°-40°   | 2797.8  | 8.6       |
| 40°-50°   | 4067.6  | 12.6      |
| 50°-60°   | 6490.6  | 20.1      |
| 60°-70°   | 8670.7  | 26.8      |
| 70°-80°   | 4998.3  | 15.4      |
| 80°-90°   | 748.6   | 2.3       |
| 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°    | 32354.4 | 100.0     |
| 0°-180°   | 32354.4 | 100.0     |

**Coefficient of Utilization**



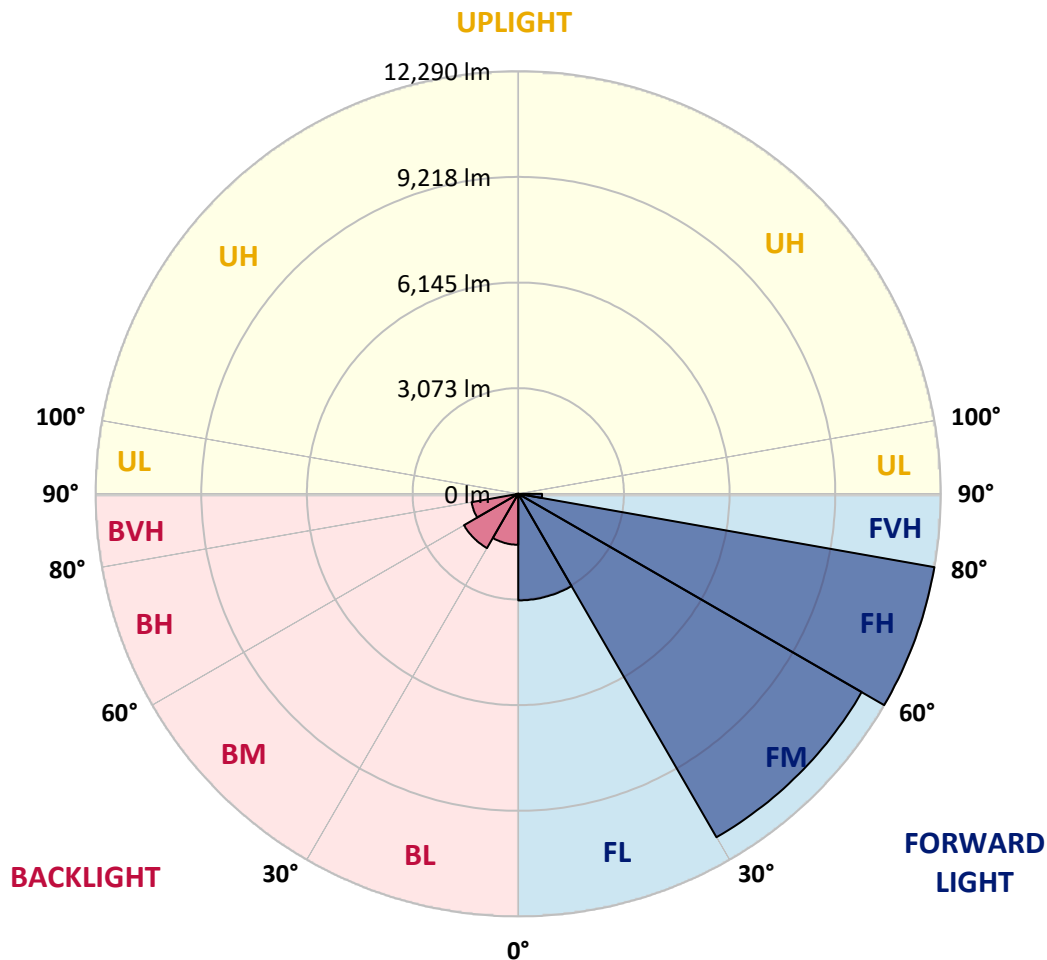
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|---------|-----------|-------------------------|------|---------|
|                |         |           | B                       | U    | G       |
| FL (0°-30°)    | 3098.7  | 9.6       |                         |      |         |
| FM (30°-60°)   | 11532.6 | 35.6      |                         |      |         |
| FH (60°-80°)   | 12290.2 | 38.0      |                         |      | G5      |
| FVH (80°-90°)  | 691.3   | 2.1       |                         |      | G4/750  |
| BL (0°-30°)    | 1482.0  | 4.6       | B3/2500                 |      |         |
| BM (30°-60°)   | 1823.4  | 5.6       | B2/2500                 |      |         |
| BH (60°-80°)   | 1378.8  | 4.3       | B3/2500                 |      | G3/2500 |
| BVH (80°-90°)  | 57.4    | 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 III Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 58°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 8940.8  | 8940.8  | 8940.8  | 8940.8  | 8940.8  | 8940.8  | 8940.8  | 8940.8  | 8940.8  | 8940.8  | 8940.8  |
| 2.5°  | 9272.8  | 9298.1  | 9290.9  | 9281.9  | 9267.4  | 9227.7  | 9162.8  | 9151.9  | 9110.4  | 9022.0  | 8911.9  |
| 5°    | 9130.3  | 9151.9  | 9153.7  | 9166.4  | 9184.4  | 9177.2  | 9130.3  | 9124.9  | 9063.5  | 8944.4  | 8760.4  |
| 7.5°  | 8641.3  | 8670.2  | 8733.3  | 8803.7  | 8866.8  | 8926.4  | 8940.8  | 8949.8  | 8911.9  | 8774.8  | 8529.5  |
| 10°   | 8091.0  | 8119.9  | 8148.7  | 8253.4  | 8408.6  | 8556.5  | 8679.2  | 8695.4  | 8704.5  | 8578.2  | 8278.7  |
| 12.5° | 7481.1  | 7540.6  | 7602.0  | 7757.2  | 7964.7  | 8197.5  | 8414.0  | 8448.3  | 8509.6  | 8414.0  | 8062.1  |
| 15°   | 6963.2  | 7024.5  | 7113.0  | 7251.9  | 7502.7  | 7838.4  | 8143.3  | 8199.3  | 8320.2  | 8271.4  | 7860.0  |
| 17.5° | 6604.1  | 6625.8  | 6687.1  | 6845.9  | 7116.6  | 7470.3  | 7878.1  | 7989.9  | 8183.0  | 8170.4  | 7686.8  |
| 20°   | 6320.8  | 6347.9  | 6385.8  | 6483.2  | 6764.7  | 7138.2  | 7630.9  | 7775.2  | 8036.9  | 8080.2  | 7515.4  |
| 22.5° | 6201.8  | 6221.6  | 6216.2  | 6268.5  | 6459.8  | 6835.1  | 7380.0  | 7551.5  | 7906.9  | 8018.8  | 7356.6  |
| 25°   | 6209.0  | 6227.0  | 6200.0  | 6187.3  | 6301.0  | 6568.0  | 7118.4  | 7336.7  | 7802.3  | 7977.3  | 7212.2  |
| 27.5° | 6329.9  | 6342.5  | 6292.0  | 6241.4  | 6250.5  | 6402.0  | 6901.8  | 7143.6  | 7713.9  | 7995.4  | 7091.3  |
| 30°   | 6492.2  | 6515.7  | 6483.2  | 6421.9  | 6355.1  | 6362.3  | 6762.9  | 7001.1  | 7672.4  | 8058.5  | 7033.6  |
| 32.5° | 6701.5  | 6723.2  | 6708.8  | 6660.0  | 6573.4  | 6477.8  | 6728.6  | 6948.8  | 7676.0  | 8186.6  | 7020.9  |
| 35°   | 6921.7  | 6965.0  | 6988.5  | 6984.8  | 6914.5  | 6748.5  | 6863.9  | 7046.2  | 7762.6  | 8401.4  | 7094.9  |
| 37.5° | 7170.7  | 7206.8  | 7307.8  | 7372.8  | 7307.8  | 7114.8  | 7168.9  | 7295.2  | 7953.9  | 8711.7  | 7257.3  |
| 40°   | 7412.5  | 7466.6  | 7614.6  | 7816.7  | 7791.5  | 7621.8  | 7634.5  | 7717.5  | 8291.3  | 9173.6  | 7574.9  |
| 42.5° | 7665.1  | 7730.1  | 7988.1  | 8287.7  | 8347.2  | 8215.5  | 8249.8  | 8323.8  | 8771.2  | 9814.2  | 8119.9  |
| 45°   | 7989.9  | 8067.5  | 8385.1  | 8758.6  | 8993.1  | 8911.9  | 9009.4  | 9045.5  | 9413.6  | 10647.8 | 8838.0  |
| 47.5° | 8408.6  | 8498.8  | 8890.3  | 9355.8  | 9687.9  | 9761.8  | 9931.5  | 9909.8  | 10209.4 | 11634.8 | 9769.1  |
| 50°   | 9114.0  | 9164.6  | 9534.5  | 10009.1 | 10465.6 | 10799.4 | 10983.5 | 11017.7 | 11196.4 | 12594.8 | 10810.2 |
| 52.5° | 9953.1  | 9998.2  | 10265.3 | 10680.3 | 11252.3 | 11959.6 | 12414.3 | 12302.5 | 12345.8 | 13764.0 | 12028.2 |
| 55°   | 10896.9 | 10972.6 | 11142.2 | 11418.3 | 12159.9 | 13201.1 | 14114.1 | 14141.1 | 13661.2 | 14882.8 | 13195.7 |
| 57.5° | 11627.6 | 11755.7 | 12046.2 | 12439.6 | 13379.7 | 14581.4 | 15808.5 | 15826.5 | 15213.0 | 16077.3 | 14484.0 |
| 60°   | 11259.5 | 11411.1 | 12075.1 | 13033.3 | 14980.2 | 16990.3 | 17833.0 | 17730.1 | 16723.2 | 17437.8 | 16055.6 |
| 62.5° | 9671.6  | 9698.7  | 10664.1 | 12161.7 | 15472.8 | 20213.0 | 20846.4 | 20411.5 | 18738.8 | 19162.8 | 17652.5 |
| 65°   | 6259.5  | 6436.3  | 7201.4  | 9299.9  | 13854.2 | 22001.1 | 26126.0 | 25121.0 | 21564.5 | 21120.6 | 18989.6 |
| 67.5° | 3951.6  | 3906.5  | 4224.1  | 5310.4  | 9529.1  | 20425.9 | 30631.7 | 30472.9 | 25259.9 | 22356.6 | 18670.2 |
| 69°   | 3276.8  | 3327.4  | 3435.6  | 4070.7  | 6557.2  | 17439.6 | 31163.9 | 32261.0 | 27051.7 | 22259.2 | 17510.0 |
| 70°   | 2971.9  | 2995.3  | 3109.0  | 3608.8  | 5059.6  | 14606.7 | 30290.6 | 32212.3 | 27755.4 | 21851.4 | 16669.1 |
| 72.5° | 2358.4  | 2356.6  | 2551.4  | 3002.6  | 3782.0  | 8338.2  | 24872.0 | 27966.6 | 26968.7 | 19953.2 | 13773.0 |
| 75°   | 1791.8  | 1820.6  | 2035.4  | 2540.6  | 3484.4  | 4556.1  | 17356.6 | 21537.4 | 21539.2 | 15759.7 | 8594.4  |
| 77.5° | 1292.0  | 1310.0  | 1560.8  | 2132.8  | 3282.3  | 3693.6  | 11560.8 | 15447.6 | 14521.9 | 7221.2  | 2701.2  |
| 80°   | 846.3   | 857.1   | 1048.4  | 1688.9  | 2959.2  | 3484.4  | 6854.9  | 9455.1  | 6849.5  | 1916.3  | 893.2   |
| 82.5° | 463.8   | 517.9   | 640.6   | 1093.5  | 2374.6  | 3219.1  | 4166.3  | 4785.3  | 2569.5  | 853.5   | 465.6   |
| 85°   | 232.8   | 247.2   | 360.9   | 638.8   | 1551.8  | 2663.3  | 2901.5  | 2744.5  | 1326.2  | 424.1   | 241.8   |
| 87.5° | 68.6    | 86.6    | 149.8   | 247.2   | 629.8   | 1387.6  | 1614.9  | 1448.9  | 510.7   | 153.4   | 50.5    |
| 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°    | 8940.8  | 8940.8  | 8940.8 | 8940.8 | 8940.8 | 8940.8 | 8940.8 | 8940.8 | 8940.8 | 8940.8 | 8940.8 |
| 2.5°  | 8866.8  | 8834.4  | 8690.0 | 8560.1 | 8441.1 | 8314.8 | 8208.3 | 8114.5 | 8123.5 | 8125.3 | 8029.6 |
| 5°    | 8664.8  | 8590.8  | 8316.6 | 8060.3 | 7843.8 | 7569.5 | 7334.9 | 7183.3 | 7107.6 | 7006.5 | 7042.6 |
| 7.5°  | 8390.5  | 8248.0  | 7867.2 | 7441.4 | 7042.6 | 6687.1 | 6301.0 | 6035.8 | 5866.2 | 5702.0 | 5723.6 |
| 10°   | 8107.2  | 7878.1  | 7324.1 | 6761.1 | 6245.1 | 5676.7 | 5184.1 | 4761.8 | 4447.8 | 4330.6 | 4253.0 |
| 12.5° | 7816.7  | 7515.4  | 6811.6 | 6062.8 | 5350.1 | 4669.8 | 3971.5 | 3518.6 | 3172.2 | 2988.1 | 3011.6 |
| 15°   | 7551.5  | 7185.1  | 6277.5 | 5364.5 | 4438.8 | 3628.7 | 2932.2 | 2500.9 | 2259.1 | 2208.6 | 2237.5 |
| 17.5° | 7306.0  | 6826.1  | 5777.7 | 4686.0 | 3605.2 | 2721.1 | 2203.2 | 1959.6 | 1862.1 | 1835.1 | 1833.3 |
| 20°   | 7053.4  | 6521.1  | 5216.6 | 3960.6 | 2809.5 | 2109.3 | 1808.0 | 1694.3 | 1676.3 | 1687.1 | 1688.9 |
| 22.5° | 6797.2  | 6144.0  | 4639.1 | 3240.7 | 2237.5 | 1725.0 | 1580.6 | 1549.9 | 1564.4 | 1589.6 | 1593.3 |
| 25°   | 6560.8  | 5812.0  | 4083.3 | 2609.2 | 1786.3 | 1515.7 | 1445.3 | 1445.3 | 1477.8 | 1515.7 | 1517.5 |
| 27.5° | 6365.9  | 5490.8  | 3529.5 | 2071.4 | 1495.8 | 1364.1 | 1340.7 | 1353.3 | 1398.4 | 1427.3 | 1429.1 |
| 30°   | 6205.4  | 5191.3  | 3006.2 | 1660.0 | 1315.4 | 1243.2 | 1237.8 | 1259.5 | 1292.0 | 1319.0 | 1320.8 |
| 32.5° | 6084.5  | 4927.8  | 2517.2 | 1394.8 | 1190.9 | 1151.2 | 1149.4 | 1165.7 | 1183.7 | 1190.9 | 1198.1 |
| 35°   | 6037.6  | 4709.5  | 2069.6 | 1227.0 | 1107.9 | 1082.7 | 1082.7 | 1080.9 | 1088.1 | 1091.7 | 1095.3 |
| 37.5° | 6075.5  | 4541.7  | 1723.2 | 1118.8 | 1046.6 | 1028.5 | 1017.7 | 1006.9 | 1003.3 | 1003.3 | 1005.1 |
| 40°   | 6236.0  | 4453.3  | 1465.1 | 1048.4 | 1003.3 | 976.2  | 956.4  | 943.7  | 931.1  | 934.7  | 938.3  |
| 42.5° | 6577.0  | 4469.5  | 1290.1 | 1001.5 | 965.4  | 927.5  | 898.6  | 884.2  | 875.2  | 886.0  | 884.2  |
| 45°   | 7120.2  | 4631.9  | 1178.3 | 969.0  | 927.5  | 878.8  | 851.7  | 837.3  | 837.3  | 853.5  | 858.9  |
| 47.5° | 7879.9  | 4942.3  | 1118.8 | 943.7  | 898.6  | 840.9  | 813.8  | 803.0  | 806.6  | 833.7  | 835.5  |
| 50°   | 8807.3  | 5481.8  | 1107.9 | 931.1  | 884.2  | 813.8  | 783.1  | 772.3  | 781.3  | 810.2  | 813.8  |
| 52.5° | 9830.4  | 6176.5  | 1160.2 | 932.9  | 871.6  | 797.6  | 757.9  | 741.6  | 750.7  | 774.1  | 781.3  |
| 55°   | 11043.0 | 7046.2  | 1295.6 | 940.1  | 853.5  | 788.6  | 739.8  | 703.7  | 714.6  | 730.8  | 732.6  |
| 57.5° | 12280.8 | 8143.3  | 1533.7 | 941.9  | 839.1  | 772.3  | 709.2  | 662.2  | 662.2  | 673.1  | 678.5  |
| 60°   | 13792.9 | 9337.8  | 1847.7 | 943.7  | 840.9  | 748.9  | 667.7  | 615.3  | 608.1  | 613.5  | 615.3  |
| 62.5° | 15294.2 | 10337.5 | 1900.0 | 938.3  | 858.9  | 725.4  | 622.5  | 568.4  | 555.8  | 554.0  | 550.4  |
| 65°   | 15956.4 | 10151.6 | 1557.2 | 913.1  | 878.8  | 711.0  | 586.5  | 523.3  | 501.6  | 494.4  | 494.4  |
| 67.5° | 14877.3 | 8587.2  | 1171.1 | 878.8  | 866.2  | 696.5  | 552.2  | 485.4  | 460.1  | 445.7  | 445.7  |
| 69°   | 13863.2 | 7638.1  | 1052.0 | 855.3  | 833.7  | 673.1  | 530.5  | 465.6  | 434.9  | 418.6  | 413.2  |
| 70°   | 13080.2 | 6984.8  | 1001.5 | 835.5  | 803.0  | 646.0  | 514.3  | 451.1  | 416.8  | 398.8  | 395.2  |
| 72.5° | 10438.5 | 5480.0  | 877.0  | 759.7  | 683.9  | 543.1  | 456.5  | 406.0  | 373.5  | 353.7  | 348.3  |
| 75°   | 6015.9  | 2970.1  | 727.2  | 660.4  | 550.4  | 422.2  | 386.2  | 353.7  | 328.4  | 310.4  | 305.0  |
| 77.5° | 1851.3  | 1147.6  | 526.9  | 521.5  | 404.2  | 326.6  | 308.6  | 295.9  | 277.9  | 258.0  | 254.4  |
| 80°   | 779.5   | 584.7   | 357.3  | 351.9  | 268.9  | 227.4  | 222.0  | 220.1  | 212.9  | 196.7  | 191.3  |
| 82.5° | 427.7   | 330.2   | 249.0  | 216.5  | 162.4  | 131.7  | 137.1  | 138.9  | 133.5  | 117.3  | 106.5  |
| 85°   | 209.3   | 180.4   | 120.9  | 97.4   | 74.0   | 46.9   | 45.1   | 54.1   | 50.5   | 36.1   | 39.7   |
| 87.5° | 41.5    | 50.5    | 32.5   | 14.4   | 7.2    | 0.0    | 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)