

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: P650495

Luminaire Tested: **GLAN-SA6B-835-U-T4FT**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P650495  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6B-835-U-T4FT  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26362.1 lumens  
Efficiency: N/A  
Efficacy: 108.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4

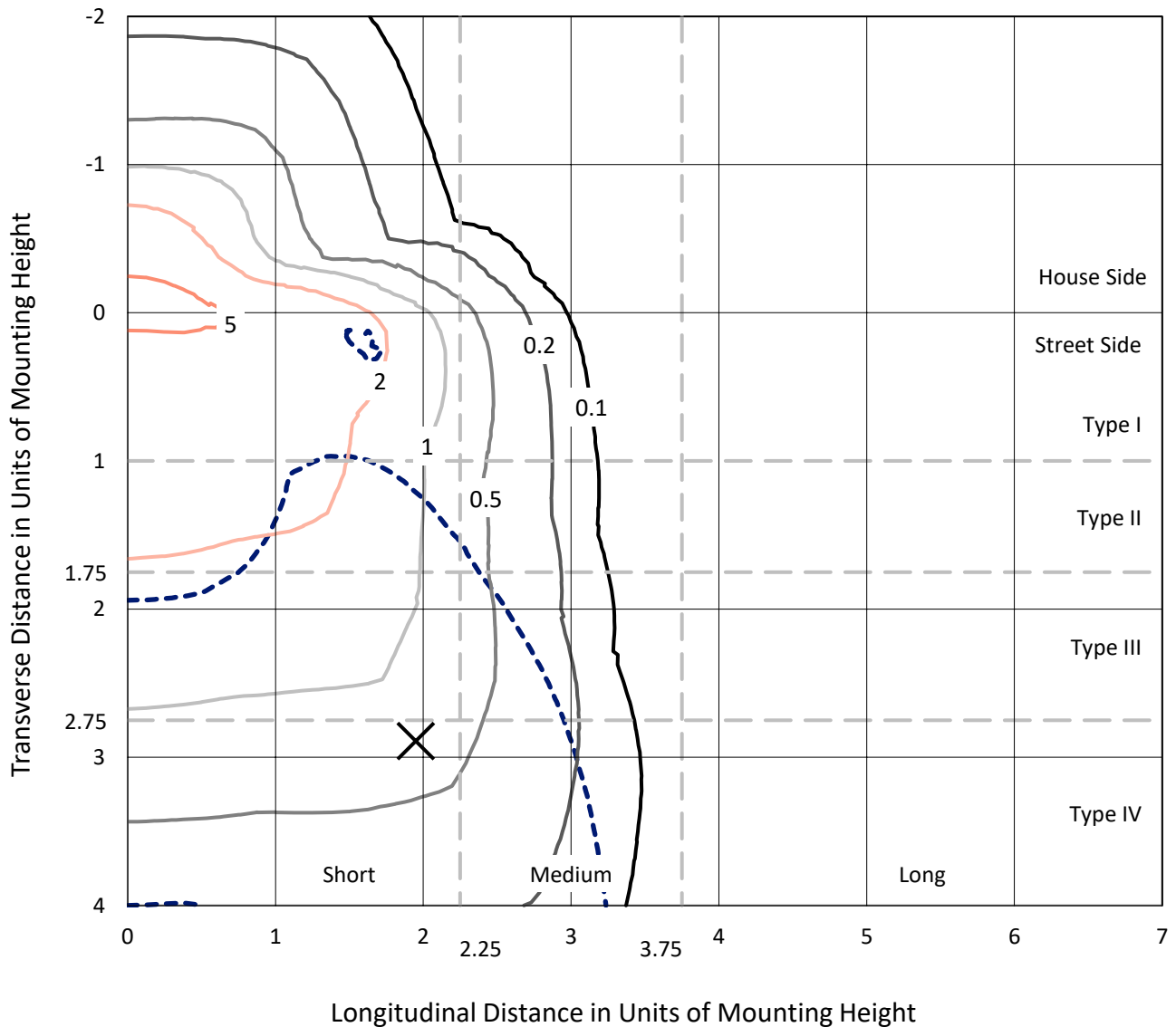
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

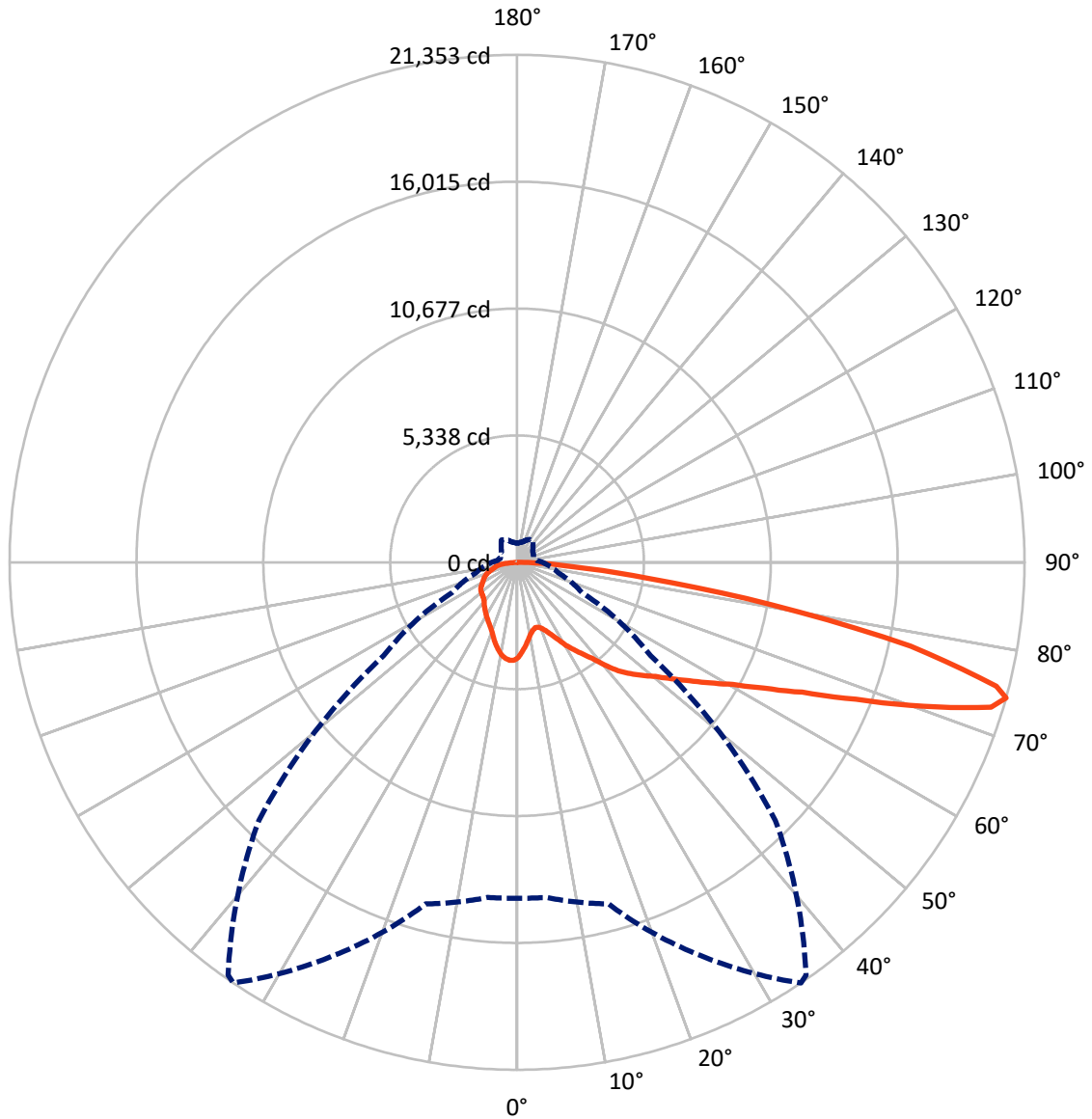
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 34-Deg Lateral      - - - Horizontal Cone Through 74-Deg Vertical

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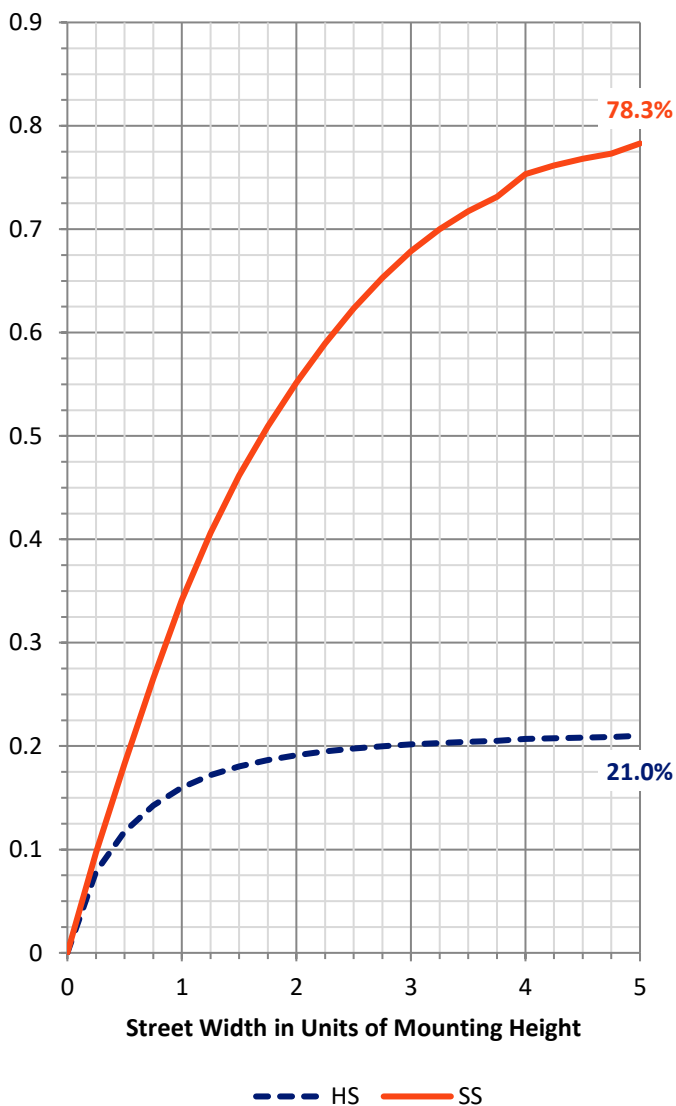
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5610.0   | 0.0    | 5610.0  |
|                    | % Fixture | 21.3     | 0.0    | 21.3    |
| <b>Street Side</b> | Lumens    | 20752.0  | 0.0    | 20752.0 |
|                    | % Fixture | 78.7     | 0.0    | 78.7    |
| <b>Total</b>       | Lumens    | 26362.1  | 0.0    | 26362.1 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 366.1   | 1.4       |
| 10°-20°   | 1002.1  | 3.8       |
| 20°-30°   | 1652.1  | 6.3       |
| 30°-40°   | 2474.7  | 9.4       |
| 40°-50°   | 3597.5  | 13.6      |
| 50°-60°   | 5024.9  | 19.1      |
| 60°-70°   | 6290.9  | 23.9      |
| 70°-80°   | 5202.1  | 19.7      |
| 80°-90°   | 751.7   | 2.9       |
| 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°    | 26362.1 | 100.0     |
| 0°-180°   | 26362.1 | 100.0     |

**Coefficient of Utilization**



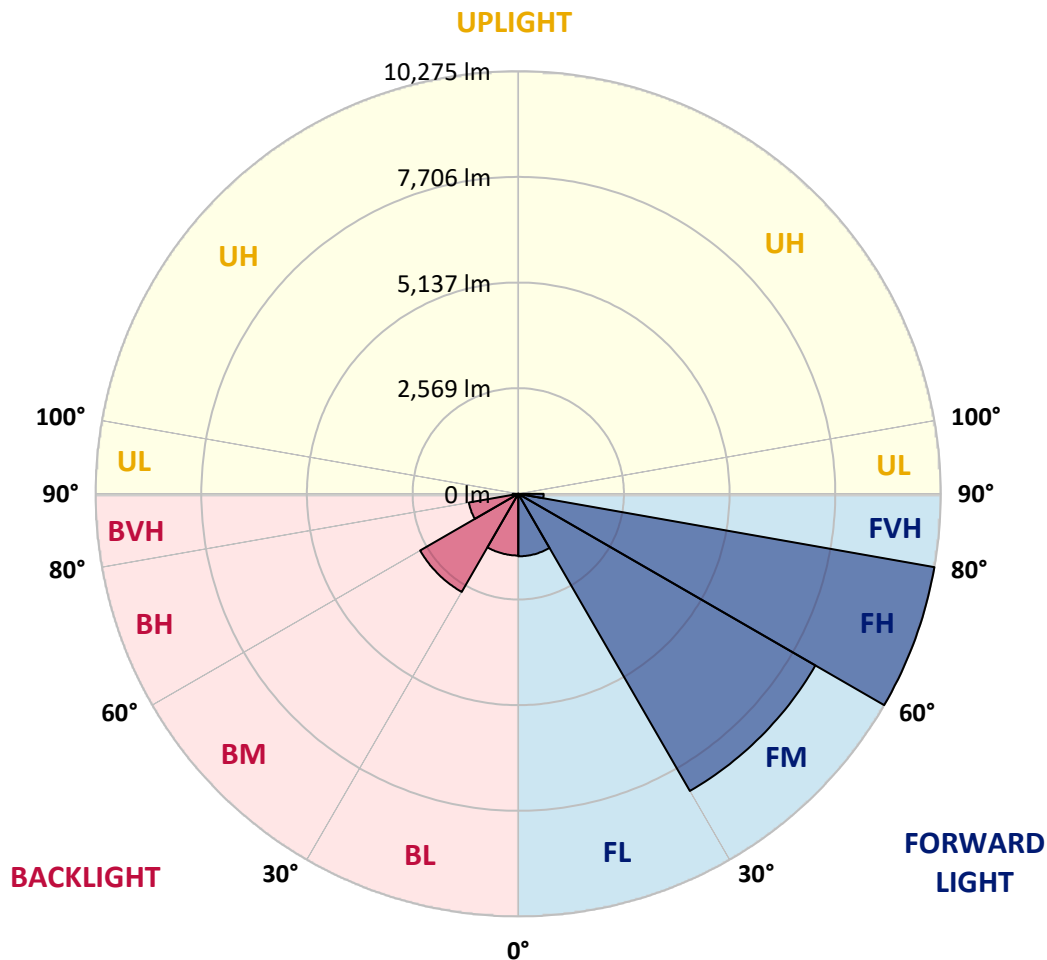
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1519.7  | 5.8       |                         |      |          |
| FM   | (30°-60°)   | 8342.0  | 31.6      |                         |      |          |
| FH   | (60°-80°)   | 10274.5 | 39.0      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 615.8   | 2.3       |                         |      | G4/750   |
| BL   | (0°-30°)    | 1500.6  | 5.7       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2755.1  | 10.5      | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1218.5  | 4.6       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 135.9   | 0.5       |                         |      | G2/225   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B3-U0-G4**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 34°     | 35°     | 45°     | 55°     | 65°    | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|--------|---------|---------|
| 0°    | 4024.9  | 4024.9  | 4024.9  | 4024.9  | 4024.9  | 4024.9  | 4024.9  | 4024.9  | 4024.9 | 4024.9  | 4024.9  |
| 2.5°  | 3719.7  | 3738.7  | 3748.9  | 3785.4  | 3794.2  | 3805.9  | 3836.5  | 3877.5  | 3930.0 | 3976.8  | 4017.7  |
| 5°    | 3410.1  | 3439.3  | 3456.9  | 3489.0  | 3551.8  | 3557.6  | 3639.4  | 3732.9  | 3839.5 | 3938.8  | 4020.5  |
| 7.5°  | 3116.6  | 3148.7  | 3163.3  | 3221.7  | 3305.0  | 3318.1  | 3437.8  | 3585.4  | 3763.6 | 3914.0  | 4039.6  |
| 10°   | 2896.1  | 2912.1  | 2944.2  | 2988.1  | 3087.4  | 3096.1  | 3252.4  | 3449.6  | 3680.3 | 3902.3  | 4071.7  |
| 12.5° | 2776.3  | 2785.1  | 2792.3  | 2839.1  | 2937.0  | 2950.1  | 3113.7  | 3337.1  | 3614.6 | 3911.1  | 4124.3  |
| 15°   | 2793.8  | 2796.7  | 2764.6  | 2773.4  | 2852.2  | 2871.2  | 3033.3  | 3262.6  | 3573.7 | 3932.9  | 4203.1  |
| 17.5° | 2941.3  | 2931.1  | 2852.2  | 2811.4  | 2866.8  | 2875.6  | 3017.3  | 3233.4  | 3554.7 | 3973.9  | 4284.9  |
| 20°   | 3173.5  | 3158.9  | 3023.1  | 2932.6  | 2964.7  | 2972.0  | 3069.8  | 3255.3  | 3573.7 | 4041.1  | 4412.0  |
| 22.5° | 3462.7  | 3456.9  | 3250.9  | 3141.4  | 3139.9  | 3139.9  | 3191.0  | 3334.2  | 3630.6 | 4133.1  | 4544.8  |
| 25°   | 3867.2  | 3836.5  | 3567.8  | 3426.2  | 3386.8  | 3383.8  | 3378.0  | 3464.1  | 3703.7 | 4230.9  | 4702.6  |
| 27.5° | 4282.0  | 4229.5  | 3989.9  | 3772.3  | 3687.6  | 3677.4  | 3639.4  | 3648.2  | 3797.2 | 4341.9  | 4882.2  |
| 30°   | 4654.4  | 4620.8  | 4395.9  | 4154.9  | 4054.1  | 4030.8  | 3925.6  | 3877.5  | 3953.4 | 4541.9  | 5168.5  |
| 32.5° | 4939.2  | 4918.7  | 4743.5  | 4524.4  | 4375.5  | 4371.1  | 4217.7  | 4178.3  | 4197.3 | 4784.4  | 5495.6  |
| 35°   | 5169.9  | 5177.3  | 5088.2  | 4898.3  | 4727.4  | 4702.6  | 4600.4  | 4550.7  | 4495.2 | 5134.9  | 5907.5  |
| 37.5° | 5485.4  | 5501.4  | 5495.6  | 5332.1  | 5123.2  | 5129.0  | 5105.7  | 5023.9  | 4876.4 | 5526.3  | 6364.6  |
| 40°   | 5833.0  | 5844.7  | 5843.2  | 5780.4  | 5670.9  | 5676.8  | 5668.0  | 5574.5  | 5354.0 | 6024.3  | 6872.8  |
| 42.5° | 6313.5  | 6258.0  | 6113.4  | 6176.1  | 6240.4  | 6268.2  | 6328.0  | 6239.0  | 5936.7 | 6555.9  | 7350.4  |
| 45°   | 6850.9  | 6745.8  | 6418.6  | 6447.8  | 6685.9  | 6738.4  | 7068.5  | 6945.8  | 6569.1 | 7166.3  | 7912.6  |
| 47.5° | 7189.7  | 7086.1  | 6810.0  | 6804.2  | 7119.7  | 7170.7  | 7754.9  | 7709.7  | 7144.5 | 7825.0  | 8599.1  |
| 50°   | 7492.1  | 7477.4  | 7166.3  | 7240.9  | 7549.0  | 7624.9  | 8502.7  | 8460.3  | 7718.4 | 8602.0  | 9346.8  |
| 52.5° | 7940.4  | 7822.1  | 7573.8  | 7727.2  | 8134.7  | 8233.9  | 9244.6  | 9120.5  | 8245.6 | 9288.3  | 10072.7 |
| 55°   | 8141.9  | 8114.2  | 8099.6  | 8232.5  | 8791.8  | 8863.4  | 9966.0  | 9681.2  | 8695.4 | 9869.6  | 10624.7 |
| 57.5° | 8680.8  | 8629.8  | 8774.3  | 8864.8  | 9565.8  | 9675.4  | 10719.6 | 10266.9 | 9089.8 | 10331.1 | 10893.4 |
| 60°   | 9378.9  | 9351.2  | 9484.1  | 9647.7  | 10430.4 | 10597.0 | 11578.4 | 10766.3 | 9406.6 | 10563.4 | 10745.9 |
| 62.5° | 10421.7 | 10418.8 | 10393.9 | 10744.4 | 11655.7 | 11809.1 | 12564.1 | 11252.6 | 9456.3 | 10389.5 | 9983.6  |
| 65°   | 11917.2 | 11864.6 | 11648.5 | 12031.1 | 13180.5 | 13360.1 | 13590.8 | 11524.3 | 9157.0 | 9497.2  | 8406.3  |
| 67.5° | 13481.3 | 13478.4 | 13303.1 | 13799.7 | 15369.7 | 15555.1 | 14874.6 | 11464.5 | 8326.0 | 7693.6  | 5970.3  |
| 70°   | 14778.2 | 14715.4 | 14938.8 | 16262.0 | 18166.4 | 18381.1 | 15997.6 | 10759.0 | 6631.9 | 5080.9  | 3547.4  |
| 72.5° | 15089.2 | 15092.2 | 15556.6 | 18160.5 | 20852.1 | 20885.7 | 16402.1 | 8720.3  | 4438.3 | 2802.6  | 1774.4  |
| 74°   | 14131.2 | 14156.0 | 14876.0 | 18255.5 | 21353.0 | 21201.1 | 15368.2 | 6853.8  | 3001.2 | 1829.9  | 1279.3  |
| 75°   | 12898.6 | 12742.3 | 13783.6 | 17623.1 | 20833.1 | 20669.6 | 14157.5 | 5500.0  | 2290.0 | 1461.9  | 1120.2  |
| 77.5° | 6896.2  | 7055.4  | 8661.9  | 13151.3 | 16925.0 | 16736.6 | 9599.4  | 2637.5  | 1237.0 | 1017.9  | 806.2   |
| 80°   | 2455.0  | 2707.6  | 3805.9  | 6881.6  | 10851.0 | 10909.5 | 4581.4  | 1209.3  | 870.4  | 750.7   | 569.6   |
| 82.5° | 1001.8  | 1029.6  | 1634.2  | 3053.8  | 5510.2  | 5562.8  | 1870.8  | 718.6   | 622.2  | 517.0   | 340.3   |
| 85°   | 391.4   | 403.1   | 722.9   | 1372.8  | 2351.3  | 2504.7  | 647.0   | 379.7   | 382.7  | 296.4   | 173.8   |
| 87.5° | 131.5   | 148.9   | 296.4   | 457.1   | 798.9   | 782.8   | 188.4   | 112.4   | 137.3  | 128.5   | 54.0    |
| 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°    | 4024.9 | 4024.9 | 4024.9 | 4024.9 | 4024.9 | 4024.9 | 4024.9 | 4024.9 | 4024.9 | 4024.9 | 4024.9 |
| 2.5°  | 4038.1 | 4065.9 | 4084.8 | 4105.3 | 4124.3 | 4130.1 | 4125.7 | 4138.9 | 4140.3 | 4141.8 | 4143.2 |
| 5°    | 4061.5 | 4099.5 | 4136.0 | 4156.4 | 4165.2 | 4157.9 | 4133.1 | 4119.9 | 4108.2 | 4099.5 | 4102.4 |
| 7.5°  | 4093.6 | 4147.6 | 4181.2 | 4190.0 | 4166.7 | 4133.1 | 4071.7 | 4023.5 | 3992.8 | 3972.4 | 3970.9 |
| 10°   | 4143.2 | 4195.9 | 4223.6 | 4198.8 | 4134.5 | 4052.7 | 3956.3 | 3865.7 | 3797.2 | 3776.7 | 3775.2 |
| 12.5° | 4206.0 | 4265.9 | 4264.5 | 4191.5 | 4079.0 | 3932.9 | 3776.7 | 3671.6 | 3578.1 | 3531.3 | 3550.4 |
| 15°   | 4287.9 | 4333.1 | 4290.8 | 4159.3 | 3981.2 | 3781.1 | 3588.3 | 3445.2 | 3340.0 | 3290.4 | 3293.3 |
| 17.5° | 4382.8 | 4422.2 | 4309.7 | 4102.4 | 3843.9 | 3586.8 | 3363.4 | 3227.5 | 3144.3 | 3107.8 | 3104.9 |
| 20°   | 4501.1 | 4512.7 | 4309.7 | 4003.1 | 3667.2 | 3360.5 | 3147.3 | 3052.3 | 3005.5 | 2986.6 | 2992.5 |
| 22.5° | 4628.2 | 4604.7 | 4286.4 | 3862.9 | 3434.9 | 3123.9 | 2980.7 | 2938.4 | 2915.0 | 2912.1 | 2915.0 |
| 25°   | 4771.2 | 4705.5 | 4238.2 | 3673.0 | 3192.5 | 2919.4 | 2836.2 | 2843.5 | 2847.8 | 2847.8 | 2858.1 |
| 27.5° | 4946.5 | 4815.1 | 4157.9 | 3433.5 | 2909.2 | 2729.5 | 2706.2 | 2757.3 | 2780.7 | 2785.1 | 2792.3 |
| 30°   | 5177.3 | 4934.8 | 4024.9 | 3134.1 | 2668.2 | 2558.7 | 2599.6 | 2668.2 | 2694.5 | 2710.6 | 2707.6 |
| 32.5° | 5451.8 | 5066.2 | 3845.3 | 2834.7 | 2474.0 | 2439.0 | 2488.6 | 2558.7 | 2587.9 | 2596.7 | 2585.0 |
| 35°   | 5774.5 | 5215.2 | 3608.8 | 2554.3 | 2304.6 | 2325.0 | 2383.5 | 2405.4 | 2431.6 | 2431.6 | 2437.5 |
| 37.5° | 6122.1 | 5335.0 | 3319.6 | 2297.2 | 2173.1 | 2247.6 | 2290.0 | 2269.5 | 2257.9 | 2243.2 | 2250.5 |
| 40°   | 6475.6 | 5424.1 | 2944.2 | 2043.2 | 2041.7 | 2167.3 | 2178.9 | 2120.5 | 2073.9 | 2059.2 | 2051.9 |
| 42.5° | 6783.8 | 5479.6 | 2605.4 | 1846.0 | 1917.6 | 2088.4 | 2097.2 | 2003.7 | 1929.2 | 1885.4 | 1870.8 |
| 45°   | 7147.4 | 5543.8 | 2273.9 | 1682.4 | 1802.2 | 2025.6 | 2047.5 | 1922.0 | 1812.4 | 1720.4 | 1697.0 |
| 47.5° | 7645.4 | 5689.8 | 2012.5 | 1555.4 | 1718.9 | 1986.2 | 2016.9 | 1854.8 | 1710.2 | 1590.4 | 1571.4 |
| 50°   | 8207.6 | 5890.0 | 1809.5 | 1469.2 | 1654.6 | 1951.2 | 1989.1 | 1786.1 | 1615.3 | 1482.4 | 1467.7 |
| 52.5° | 8723.2 | 5998.0 | 1634.2 | 1391.8 | 1591.8 | 1886.9 | 1952.6 | 1736.5 | 1521.8 | 1374.2 | 1361.1 |
| 55°   | 9005.0 | 5822.8 | 1461.9 | 1315.8 | 1505.7 | 1803.6 | 1901.5 | 1667.8 | 1431.2 | 1317.3 | 1298.3 |
| 57.5° | 9043.0 | 5460.6 | 1305.7 | 1234.1 | 1415.2 | 1701.4 | 1806.5 | 1584.6 | 1372.8 | 1277.9 | 1261.8 |
| 60°   | 8749.5 | 4920.2 | 1184.4 | 1166.9 | 1323.2 | 1586.0 | 1700.0 | 1511.6 | 1312.9 | 1234.1 | 1218.0 |
| 62.5° | 8019.3 | 4333.1 | 1099.7 | 1105.5 | 1229.7 | 1464.8 | 1621.1 | 1441.4 | 1256.0 | 1185.9 | 1171.3 |
| 65°   | 6763.3 | 3576.6 | 1017.9 | 1042.7 | 1146.5 | 1369.9 | 1549.6 | 1383.0 | 1199.0 | 1149.4 | 1136.2 |
| 67.5° | 4698.2 | 2582.0 | 950.7  | 977.0  | 1067.5 | 1273.5 | 1466.2 | 1320.2 | 1134.7 | 1108.5 | 1088.1 |
| 70°   | 2601.0 | 1588.9 | 871.9  | 902.6  | 985.8  | 1165.4 | 1372.8 | 1225.3 | 1041.3 | 1029.6 | 1000.4 |
| 72.5° | 1367.0 | 1012.1 | 782.8  | 816.4  | 874.8  | 1026.7 | 1229.7 | 1121.6 | 949.3  | 899.7  | 861.7  |
| 74°   | 1067.5 | 829.5  | 722.9  | 757.9  | 797.4  | 944.9  | 1145.0 | 1047.1 | 883.5  | 825.1  | 795.9  |
| 75°   | 930.3  | 739.0  | 671.8  | 717.1  | 752.1  | 889.4  | 1079.3 | 994.6  | 847.0  | 791.5  | 765.3  |
| 77.5° | 657.2  | 553.5  | 549.1  | 603.1  | 622.2  | 779.9  | 972.6  | 905.5  | 755.0  | 696.6  | 671.8  |
| 80°   | 461.5  | 414.8  | 435.2  | 468.8  | 495.1  | 689.4  | 902.6  | 782.8  | 619.2  | 550.6  | 541.8  |
| 82.5° | 300.8  | 271.6  | 311.1  | 341.8  | 350.5  | 508.2  | 728.7  | 594.4  | 451.2  | 366.6  | 340.3  |
| 85°   | 138.7  | 135.9  | 178.2  | 173.8  | 172.3  | 248.3  | 432.3  | 347.6  | 260.0  | 194.3  | 182.5  |
| 87.5° | 35.1   | 33.6   | 43.8   | 36.5   | 43.8   | 38.0   | 39.5   | 10.3   | 1.5    | 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)