

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: P531024

Luminaire Tested: **GLAN-SA6B-735-U-T2R-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531024  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6B-735-U-T2R-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II  
ROADWAY OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27621 lumens  
Efficiency: N/A  
Efficacy: 113.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

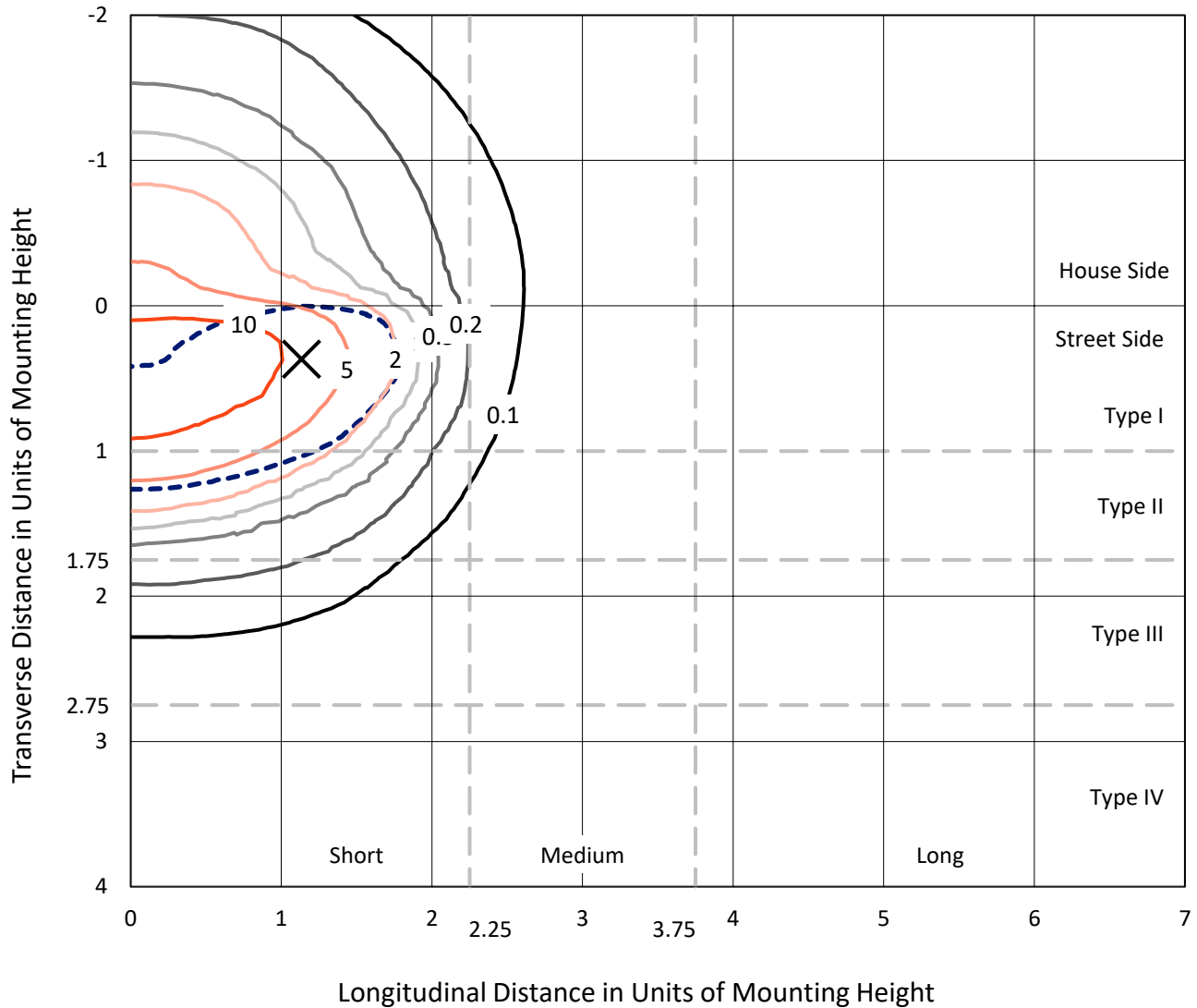
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

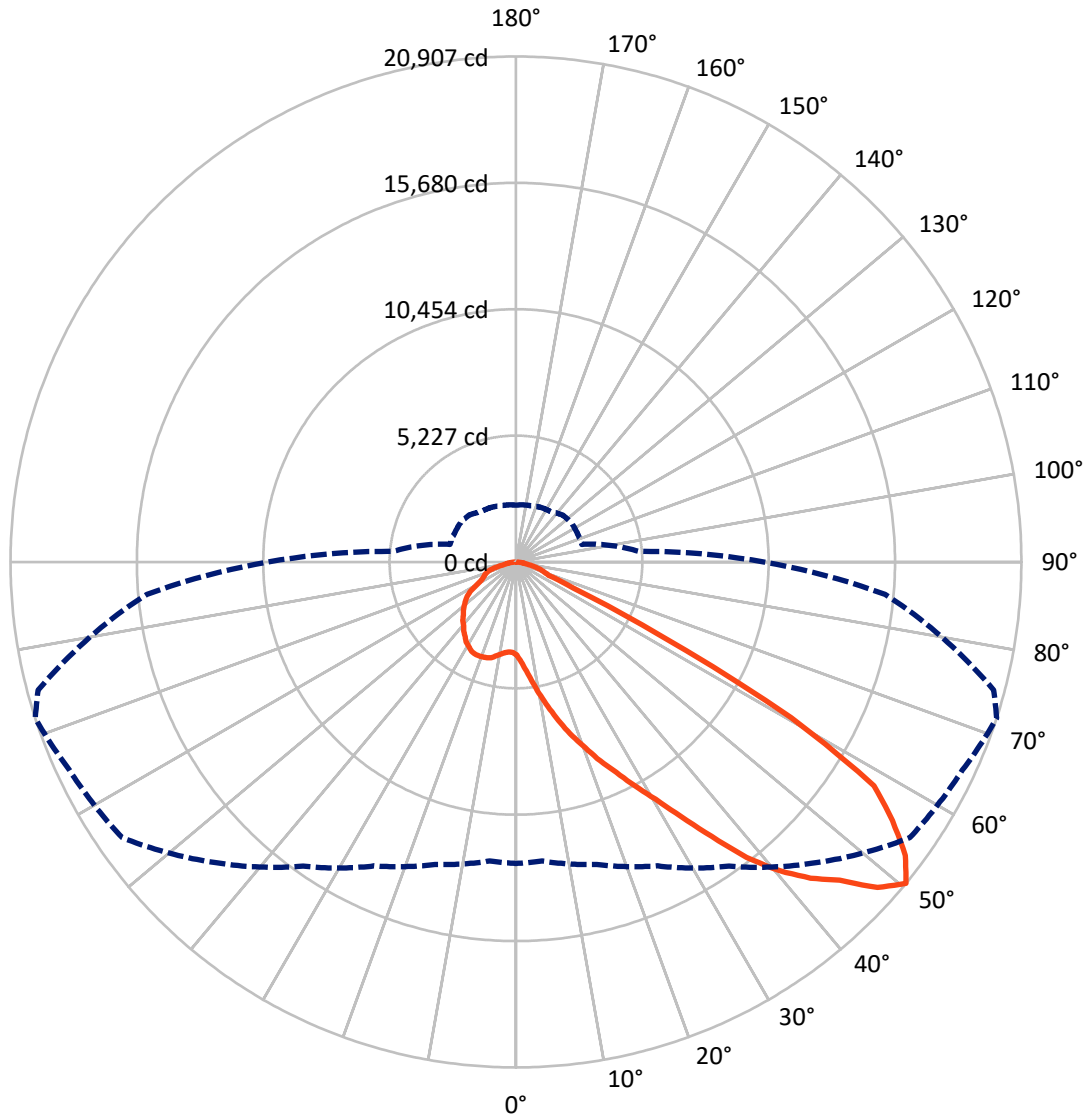
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral    - - - Horizontal Cone Through 50-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6328.1   | 0.0    | 6328.1  |
|                    | % Fixture | 22.9     | 0.0    | 22.9    |
| <b>Street Side</b> | Lumens    | 21292.9  | 0.0    | 21292.9 |
|                    | % Fixture | 77.1     | 0.0    | 77.1    |
| <b>Total</b>       | Lumens    | 27621.0  | 0.0    | 27621.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 452.3   | 1.6       |
| 10°-20°   | 1690.8  | 6.1       |
| 20°-30°   | 3278.3  | 11.9      |
| 30°-40°   | 5431.0  | 19.7      |
| 40°-50°   | 7599.1  | 27.5      |
| 50°-60°   | 6410.8  | 23.2      |
| 60°-70°   | 1954.0  | 7.1       |
| 70°-80°   | 685.5   | 2.5       |
| 80°-90°   | 119.2   | 0.4       |
| 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°    | 27621.0 | 100.0     |
| 0°-180°   | 27621.0 | 100.0     |



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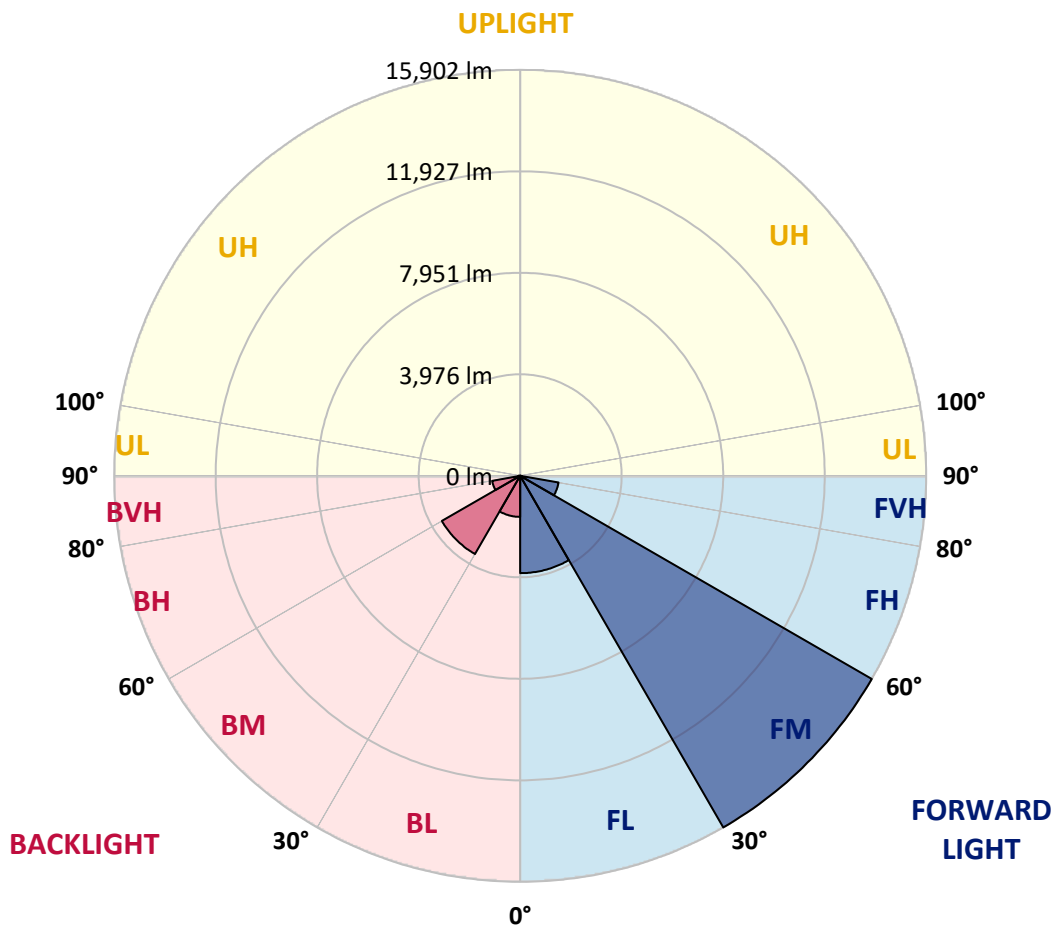
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|---------|-----------|-------------------------|------|---------|
|                |         |           | B                       | U    | G       |
| FL (0°-30°)    | 3812.7  | 13.8      |                         |      |         |
| FM (30°-60°)   | 15902.2 | 57.6      |                         |      |         |
| FH (60°-80°)   | 1524.6  | 5.5       |                         |      | G1/1800 |
| FVH (80°-90°)  | 53.4    | 0.2       |                         |      | G1/100  |
| BL (0°-30°)    | 1608.6  | 5.8       | B3/2500                 |      |         |
| BM (30°-60°)   | 3538.8  | 12.8      | B3/5000                 |      |         |
| BH (60°-80°)   | 1114.9  | 4.0       | B3/2500                 |      | G3/2500 |
| BVH (80°-90°)  | 65.8    | 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-G3**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 72°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3845.1  | 3845.1  | 3845.1  | 3845.1  | 3845.1  | 3845.1  | 3845.1  | 3845.1  | 3845.1  | 3845.1  | 3845.1  |
| 2.5°  | 4945.6  | 4914.9  | 4822.6  | 4791.8  | 4682.5  | 4484.2  | 4415.9  | 4214.2  | 4128.8  | 4050.1  | 3957.9  |
| 5°    | 6254.7  | 6111.1  | 6100.9  | 5926.5  | 5673.6  | 5526.7  | 5089.2  | 4795.2  | 4525.2  | 4388.5  | 4135.6  |
| 7.5°  | 7088.6  | 7092.0  | 7092.0  | 6948.5  | 6746.8  | 6374.3  | 5981.2  | 5451.5  | 5044.7  | 4843.1  | 4412.4  |
| 10°   | 7881.6  | 7813.2  | 7775.6  | 7761.9  | 7625.2  | 7262.9  | 6842.5  | 6186.3  | 5629.2  | 5393.4  | 4620.9  |
| 12.5° | 8442.1  | 8384.0  | 8469.4  | 8425.0  | 8325.9  | 8090.0  | 7693.6  | 6945.1  | 6247.8  | 5930.0  | 4955.9  |
| 15°   | 8708.7  | 8749.7  | 8818.0  | 8941.1  | 8896.7  | 8807.8  | 8370.3  | 7724.3  | 6914.3  | 6555.4  | 5253.2  |
| 17.5° | 9118.8  | 9006.0  | 9088.1  | 9241.9  | 9364.9  | 9323.9  | 9074.4  | 8288.3  | 7574.0  | 7133.0  | 5653.1  |
| 20°   | 9405.9  | 9341.0  | 9382.0  | 9559.7  | 9652.0  | 9884.4  | 9754.5  | 9026.5  | 8206.3  | 7741.4  | 6124.8  |
| 22.5° | 10226.2 | 10130.5 | 9997.2  | 10024.5 | 10058.7 | 10222.8 | 10253.5 | 9836.6  | 8941.1  | 8448.9  | 6572.5  |
| 25°   | 11237.9 | 11149.0 | 10991.8 | 10831.2 | 10732.0 | 10701.3 | 10807.2 | 10472.3 | 9645.2  | 9135.9  | 7054.4  |
| 27.5° | 12352.1 | 12201.7 | 12102.6 | 11771.1 | 11504.5 | 11463.5 | 11412.2 | 11231.0 | 10479.1 | 9928.8  | 7597.9  |
| 30°   | 13435.6 | 13315.9 | 13182.6 | 12652.9 | 12376.0 | 12331.6 | 12078.7 | 12129.9 | 11384.9 | 10773.1 | 8213.1  |
| 32.5° | 14255.8 | 14266.1 | 13961.9 | 13562.0 | 13302.3 | 13066.4 | 12974.2 | 13121.1 | 12546.9 | 12054.7 | 8900.1  |
| 35°   | 14918.9 | 14949.7 | 14659.1 | 14296.9 | 14016.6 | 14180.7 | 14139.6 | 14208.0 | 13934.6 | 13333.0 | 9699.9  |
| 37.5° | 15564.9 | 15411.1 | 15100.1 | 14925.7 | 14778.8 | 15048.8 | 15397.4 | 15455.5 | 15506.8 | 14799.3 | 10629.5 |
| 40°   | 15670.8 | 15684.5 | 15503.4 | 15626.4 | 15441.8 | 15848.6 | 16658.6 | 16583.4 | 16791.9 | 16173.3 | 11637.8 |
| 42.5° | 15520.4 | 15551.2 | 15623.0 | 15797.3 | 16241.6 | 16730.4 | 17933.4 | 17625.8 | 17878.8 | 17328.5 | 12618.7 |
| 45°   | 15274.4 | 15147.9 | 15236.8 | 15899.8 | 16668.8 | 17755.7 | 19098.9 | 18859.7 | 18777.7 | 18316.2 | 13787.6 |
| 47.5° | 14098.6 | 14228.5 | 14505.3 | 15322.2 | 16477.4 | 17933.4 | 19926.1 | 19871.4 | 20117.5 | 19792.8 | 14850.5 |
| 50°   | 12468.3 | 12417.0 | 12950.2 | 13869.6 | 15359.8 | 17584.8 | 19881.6 | 20377.2 | 20907.0 | 20455.8 | 15325.6 |
| 52.5° | 9337.6  | 9611.0  | 10069.0 | 11210.5 | 13336.4 | 15684.5 | 18911.0 | 19738.1 | 20168.7 | 20073.0 | 14942.8 |
| 55°   | 5902.6  | 5984.7  | 6261.5  | 7618.4  | 9532.4  | 12587.9 | 16210.9 | 18128.3 | 18897.3 | 19256.2 | 14590.8 |
| 57.5° | 2867.6  | 2713.8  | 3052.1  | 4142.4  | 5506.2  | 8466.0  | 12502.5 | 15790.5 | 17461.8 | 18111.2 | 13825.2 |
| 60°   | 1497.0  | 1555.1  | 1688.4  | 2078.1  | 2847.1  | 4395.4  | 7792.7  | 10523.6 | 13076.7 | 14074.7 | 10479.1 |
| 62.5° | 1240.7  | 1261.2  | 1350.0  | 1544.9  | 1893.5  | 2529.2  | 3978.4  | 5130.2  | 6668.2  | 7567.1  | 5960.7  |
| 65°   | 1052.7  | 1063.0  | 1158.7  | 1288.5  | 1510.7  | 1780.7  | 2047.3  | 2143.0  | 2594.1  | 2662.5  | 2119.1  |
| 67.5° | 878.4   | 888.6   | 991.2   | 1114.2  | 1257.8  | 1329.5  | 1397.9  | 1391.1  | 1442.3  | 1421.8  | 1418.4  |
| 70°   | 676.7   | 687.0   | 792.9   | 922.8   | 994.6   | 953.6   | 1165.5  | 1213.3  | 1233.8  | 1250.9  | 1278.3  |
| 72.5° | 488.8   | 509.3   | 591.3   | 683.6   | 646.0   | 741.7   | 960.4   | 1032.2  | 1059.5  | 1069.8  | 1104.0  |
| 75°   | 355.5   | 362.3   | 382.8   | 355.5   | 410.1   | 516.1   | 676.7   | 765.6   | 799.8   | 810.0   | 861.3   |
| 77.5° | 157.2   | 160.6   | 164.1   | 205.1   | 263.2   | 321.3   | 403.3   | 475.1   | 522.9   | 536.6   | 550.3   |
| 80°   | 82.0    | 85.4    | 106.0   | 140.1   | 188.0   | 235.8   | 293.9   | 334.9   | 365.7   | 369.1   | 382.8   |
| 82.5° | 51.3    | 54.7    | 75.2    | 99.1    | 133.3   | 174.3   | 215.3   | 249.5   | 273.4   | 276.8   | 280.3   |
| 85°   | 23.9    | 30.8    | 44.4    | 61.5    | 88.9    | 112.8   | 116.2   | 99.1    | 106.0   | 109.4   | 102.5   |
| 87.5° | 6.8     | 10.3    | 13.7    | 10.3    | 13.7    | 13.7    | 17.1    | 20.5    | 20.5    | 20.5    | 23.9    |
| 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°    | 3845.1  | 3845.1 | 3845.1 | 3845.1 | 3845.1 | 3845.1 | 3845.1 | 3845.1 | 3845.1 | 3845.1 | 3845.1 |
| 2.5°  | 3906.6  | 3875.8 | 3756.2 | 3711.8 | 3595.6 | 3616.1 | 3554.6 | 3551.1 | 3537.5 | 3534.1 | 3530.6 |
| 5°    | 4002.3  | 3906.6 | 3763.1 | 3653.7 | 3588.7 | 3581.9 | 3537.5 | 3537.5 | 3551.1 | 3561.4 | 3537.5 |
| 7.5°  | 4159.5  | 4050.1 | 3807.5 | 3704.9 | 3646.8 | 3636.6 | 3605.8 | 3581.9 | 3612.7 | 3602.4 | 3575.1 |
| 10°   | 4340.7  | 4149.3 | 3892.9 | 3804.1 | 3708.4 | 3684.4 | 3684.4 | 3694.7 | 3643.4 | 3660.5 | 3633.2 |
| 12.5° | 4542.3  | 4286.0 | 4002.3 | 3899.8 | 3787.0 | 3773.3 | 3766.5 | 3691.3 | 3718.6 | 3704.9 | 3636.6 |
| 15°   | 4798.7  | 4443.2 | 4142.4 | 3968.1 | 3872.4 | 3810.9 | 3722.0 | 3708.4 | 3691.3 | 3657.1 | 3626.3 |
| 17.5° | 5075.5  | 4614.1 | 4207.4 | 3988.6 | 3845.1 | 3800.6 | 3732.3 | 3660.5 | 3609.2 | 3616.1 | 3592.2 |
| 20°   | 5311.3  | 4771.3 | 4231.3 | 4009.1 | 3824.6 | 3739.1 | 3633.2 | 3588.7 | 3534.1 | 3530.6 | 3527.2 |
| 22.5° | 5591.6  | 4983.2 | 4265.5 | 3954.4 | 3763.1 | 3674.2 | 3602.4 | 3523.8 | 3486.2 | 3438.4 | 3462.3 |
| 25°   | 5926.5  | 5065.3 | 4272.3 | 3923.7 | 3718.6 | 3561.4 | 3523.8 | 3438.4 | 3424.7 | 3356.3 | 3370.0 |
| 27.5° | 6169.2  | 5109.7 | 4217.6 | 3828.0 | 3616.1 | 3496.5 | 3428.1 | 3366.6 | 3342.7 | 3291.4 | 3277.7 |
| 30°   | 6493.9  | 5178.0 | 4101.4 | 3708.4 | 3513.5 | 3380.3 | 3339.2 | 3325.6 | 3257.2 | 3202.5 | 3195.7 |
| 32.5° | 6863.0  | 5222.5 | 4026.2 | 3585.3 | 3407.6 | 3305.1 | 3325.6 | 3260.6 | 3175.2 | 3127.3 | 3113.7 |
| 35°   | 7157.0  | 5239.6 | 3838.2 | 3445.2 | 3335.8 | 3270.9 | 3247.0 | 3233.3 | 3110.2 | 3065.8 | 3031.6 |
| 37.5° | 7604.7  | 5202.0 | 3681.0 | 3346.1 | 3257.2 | 3233.3 | 3212.8 | 3120.5 | 2980.4 | 2915.4 | 2867.6 |
| 40°   | 8127.6  | 5191.7 | 3479.4 | 3205.9 | 3182.0 | 3209.4 | 3147.8 | 3004.3 | 2809.5 | 2737.7 | 2703.5 |
| 42.5° | 8630.1  | 5263.5 | 3352.9 | 3130.7 | 3100.0 | 3110.2 | 3024.8 | 2809.5 | 2713.8 | 2672.8 | 2618.1 |
| 45°   | 9470.9  | 5413.9 | 3144.4 | 3014.5 | 3000.9 | 2994.0 | 2891.5 | 2665.9 | 2611.2 | 2560.0 | 2549.7 |
| 47.5° | 10229.6 | 5314.8 | 3011.1 | 2894.9 | 2908.6 | 2871.0 | 2652.2 | 2580.5 | 2519.0 | 2467.7 | 2450.6 |
| 50°   | 10274.1 | 5078.9 | 2823.1 | 2802.6 | 2806.1 | 2741.1 | 2532.6 | 2484.8 | 2406.2 | 2372.0 | 2348.1 |
| 52.5° | 10041.6 | 4692.7 | 2648.8 | 2655.7 | 2665.9 | 2560.0 | 2385.7 | 2351.5 | 2286.5 | 2238.7 | 2225.0 |
| 55°   | 9388.8  | 4091.2 | 2477.9 | 2505.3 | 2532.6 | 2331.0 | 2276.3 | 2190.8 | 2139.6 | 2071.2 | 2074.6 |
| 57.5° | 8271.2  | 3294.8 | 2238.7 | 2283.1 | 2341.2 | 2119.1 | 2078.1 | 1972.1 | 1896.9 | 1842.2 | 1835.4 |
| 60°   | 5543.7  | 2344.6 | 1879.8 | 1896.9 | 2026.8 | 1937.9 | 1934.5 | 1828.5 | 1726.0 | 1678.2 | 1650.8 |
| 62.5° | 3270.9  | 1791.0 | 1623.5 | 1606.4 | 1603.0 | 1654.2 | 1739.7 | 1702.1 | 1568.8 | 1476.5 | 1503.9 |
| 65°   | 1712.3  | 1548.3 | 1510.7 | 1452.6 | 1418.4 | 1404.7 | 1469.7 | 1486.8 | 1397.9 | 1298.8 | 1291.9 |
| 67.5° | 1438.9  | 1438.9 | 1408.2 | 1387.6 | 1339.8 | 1281.7 | 1240.7 | 1186.0 | 1172.3 | 1145.0 | 1110.8 |
| 70°   | 1309.0  | 1343.2 | 1333.0 | 1285.1 | 1244.1 | 1179.2 | 1073.2 | 984.3  | 898.9  | 868.1  | 888.6  |
| 72.5° | 1141.6  | 1175.7 | 1175.7 | 1151.8 | 1097.1 | 998.0  | 895.5  | 792.9  | 721.2  | 666.5  | 659.6  |
| 75°   | 878.4   | 895.5  | 936.5  | 909.1  | 837.4  | 775.9  | 669.9  | 563.9  | 495.6  | 444.3  | 434.1  |
| 77.5° | 560.5   | 587.9  | 587.9  | 584.5  | 533.2  | 475.1  | 406.7  | 331.5  | 280.3  | 242.7  | 232.4  |
| 80°   | 372.5   | 389.6  | 403.3  | 389.6  | 355.5  | 311.0  | 259.8  | 208.5  | 170.9  | 140.1  | 133.3  |
| 82.5° | 273.4   | 293.9  | 304.2  | 290.5  | 256.3  | 222.2  | 184.6  | 147.0  | 109.4  | 85.4   | 78.6   |
| 85°   | 106.0   | 109.4  | 123.0  | 147.0  | 143.5  | 140.1  | 112.8  | 82.0   | 61.5   | 44.4   | 41.0   |
| 87.5° | 27.3    | 23.9   | 27.3   | 27.3   | 23.9   | 20.5   | 20.5   | 20.5   | 20.5   | 10.3   | 13.7   |
| 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)