

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: P531282

Luminaire Tested: **GLAN-SA6C-740-U-T2-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531282  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6C-740-U-T2-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34969 lumens  
Efficiency: N/A  
Efficacy: 108.9 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): 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



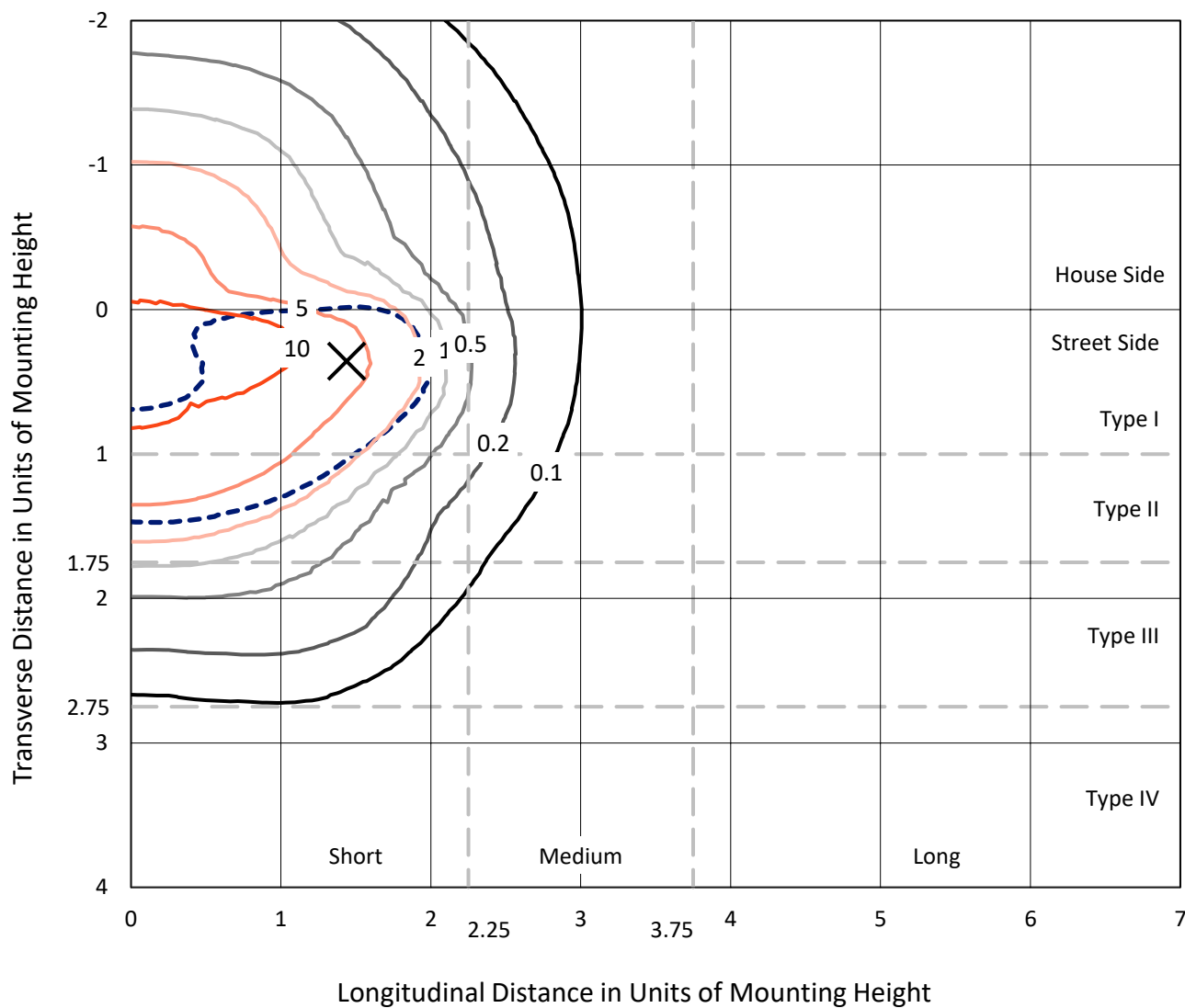
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CATALOG NUMBER: GLAN-SA6C-740-U-T2-GRSWH

## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

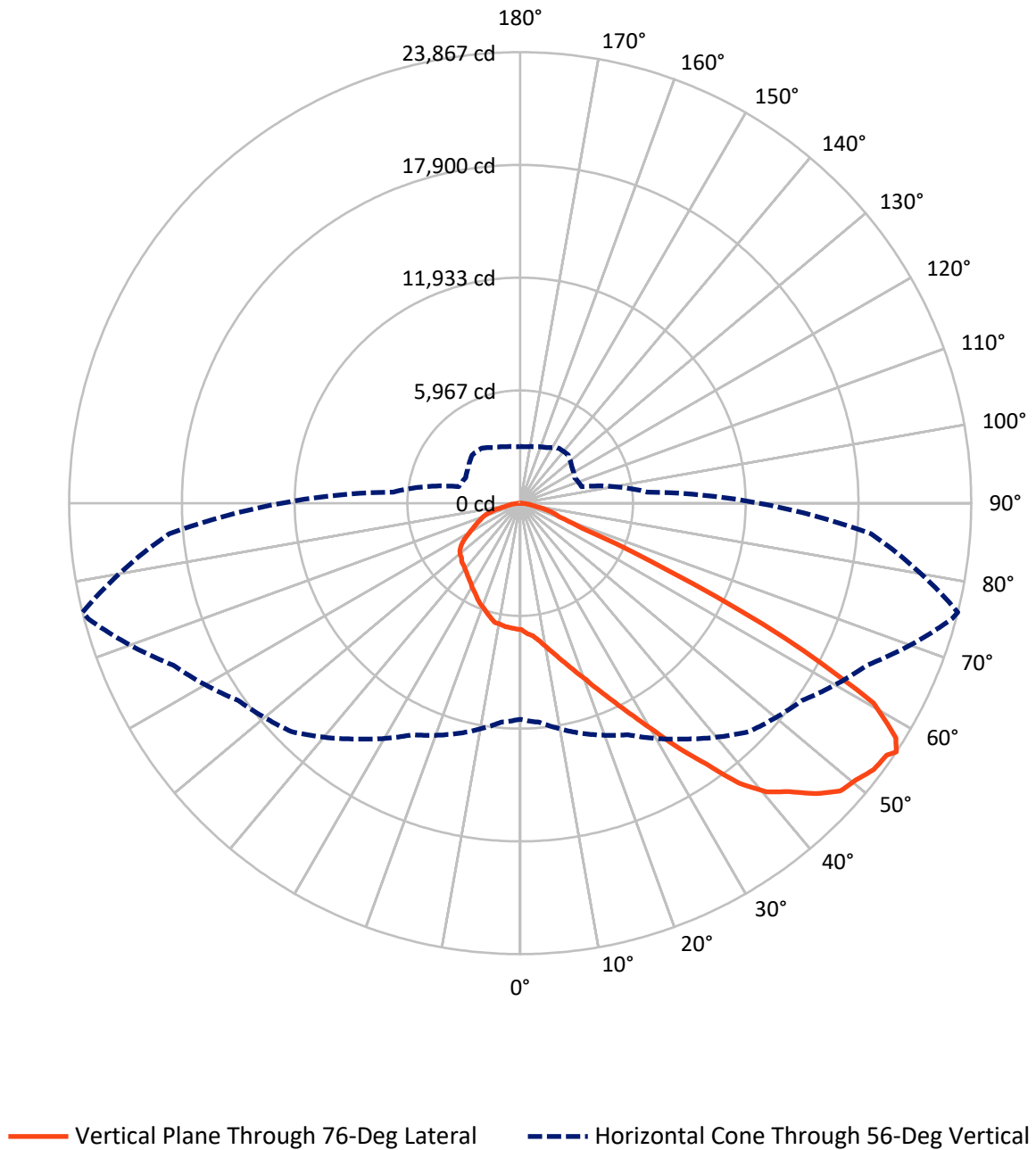
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.9 fc  
 Type II - Short - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 9402.1   | 0.0    | 9402.1  |
|                    | % Fixture | 26.9     | 0.0    | 26.9    |
| <b>Street Side</b> | Lumens    | 25566.9  | 0.0    | 25566.9 |
|                    | % Fixture | 73.1     | 0.0    | 73.1    |
| <b>Total</b>       | Lumens    | 34969.0  | 0.0    | 34969.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 663.5   | 1.9       |
| 10°-20°   | 2084.4  | 6.0       |
| 20°-30°   | 3645.3  | 10.4      |
| 30°-40°   | 5707.5  | 16.3      |
| 40°-50°   | 8302.7  | 23.7      |
| 50°-60°   | 9125.2  | 26.1      |
| 60°-70°   | 4073.1  | 11.6      |
| 70°-80°   | 1176.5  | 3.4       |
| 80°-90°   | 190.8   | 0.5       |
| 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°    | 34969.0 | 100.0     |
| 0°-180°   | 34969.0 | 100.0     |

**Coefficient of Utilization**



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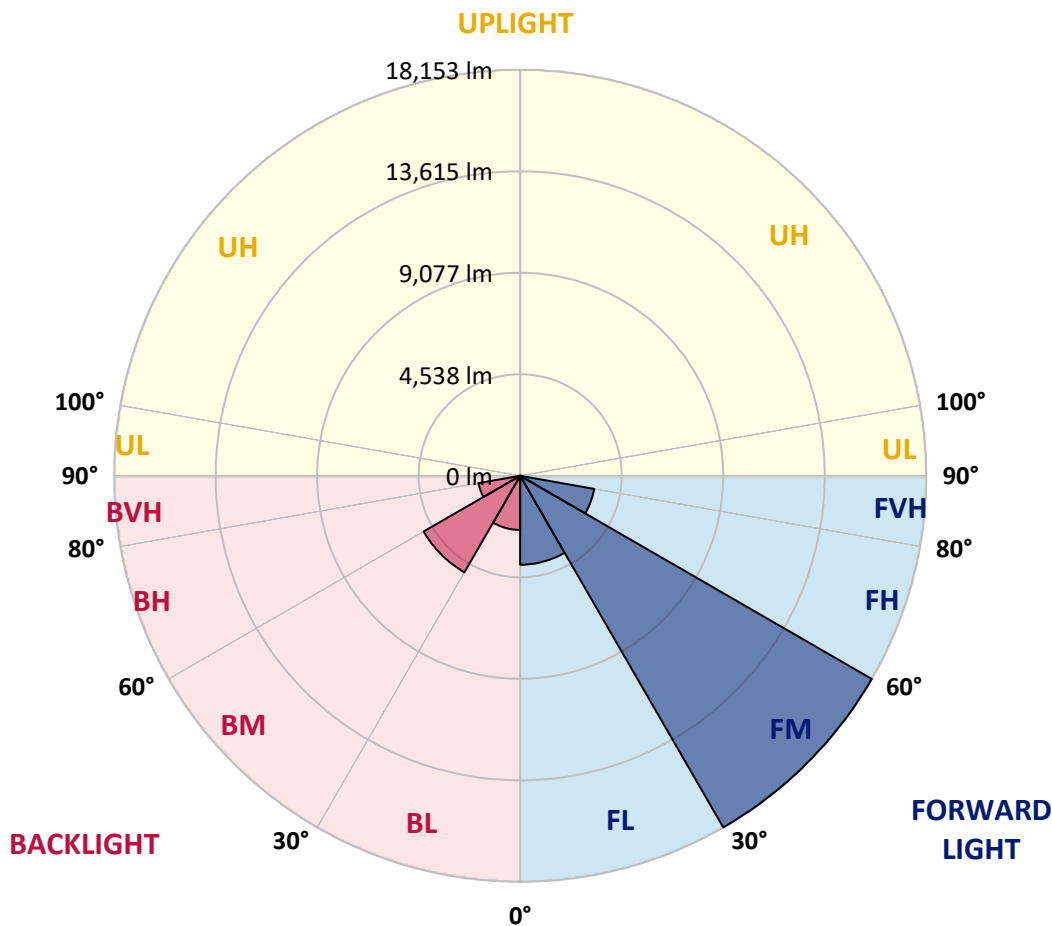
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3973.8  | 11.4      |                         |      |         |
| FM   | (30°-60°)   | 18153.1 | 51.9      |                         |      |         |
| FH   | (60°-80°)   | 3357.9  | 9.6       |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 82.1    | 0.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 2419.3  | 6.9       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 4982.4  | 14.2      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1891.7  | 5.4       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 108.7   | 0.3       |                         |      | G2/225  |
| 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°     | 75°     | 76°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 6690.9  | 6690.9  | 6690.9  | 6690.9  | 6690.9  | 6690.9  | 6690.9  | 6690.9  | 6690.9  | 6690.9  | 6690.9  |
| 2.5°  | 7370.8  | 7253.0  | 7243.9  | 7212.2  | 7230.3  | 7148.7  | 7062.6  | 6949.3  | 6831.4  | 6903.9  | 6731.7  |
| 5°    | 7887.6  | 7729.0  | 7792.4  | 7683.6  | 7697.2  | 7588.4  | 7411.6  | 7280.2  | 7135.1  | 7049.0  | 6926.6  |
| 7.5°  | 8068.9  | 8082.5  | 8127.9  | 8109.7  | 8019.1  | 8019.1  | 7901.2  | 7670.0  | 7416.2  | 7366.3  | 7162.3  |
| 10°   | 8313.7  | 8318.3  | 8268.4  | 8282.0  | 8408.9  | 8350.0  | 8245.7  | 8146.0  | 7819.6  | 7760.7  | 7398.0  |
| 12.5° | 8399.9  | 8318.3  | 8399.9  | 8472.4  | 8622.0  | 8703.6  | 8680.9  | 8608.4  | 8259.3  | 8218.5  | 7688.2  |
| 15°   | 8413.5  | 8363.6  | 8431.6  | 8594.8  | 8726.2  | 9070.8  | 9243.0  | 9193.1  | 8730.8  | 8735.3  | 8014.5  |
| 17.5° | 8350.0  | 8418.0  | 8445.2  | 8585.7  | 8889.4  | 9211.3  | 9709.9  | 9777.9  | 9397.1  | 9338.2  | 8427.0  |
| 20°   | 8436.1  | 8386.3  | 8422.5  | 8549.4  | 8952.9  | 9456.1  | 10108.8 | 10557.6 | 10022.7 | 9981.9  | 8853.2  |
| 22.5° | 8767.0  | 8699.0  | 8690.0  | 8771.6  | 9061.7  | 9583.0  | 10530.4 | 11337.3 | 10784.3 | 10806.9 | 9383.5  |
| 25°   | 9025.4  | 9061.7  | 9030.0  | 9025.4  | 9206.7  | 9773.4  | 11088.0 | 12266.6 | 11817.8 | 11686.4 | 10009.1 |
| 27.5° | 9469.7  | 9555.8  | 9492.3  | 9578.5  | 9537.7  | 10059.0 | 11486.9 | 13295.6 | 12933.0 | 12756.2 | 10575.7 |
| 30°   | 10086.2 | 10131.5 | 10072.6 | 10072.6 | 9950.2  | 10457.9 | 11849.5 | 14370.0 | 14220.4 | 13980.1 | 11242.1 |
| 32.5° | 10897.6 | 10965.6 | 10847.7 | 10779.7 | 10761.6 | 11051.7 | 12502.3 | 15430.7 | 15684.6 | 15480.6 | 12126.1 |
| 35°   | 11971.9 | 11931.1 | 11790.6 | 11727.2 | 11482.4 | 11962.9 | 13472.4 | 16650.1 | 17316.5 | 16953.8 | 13195.9 |
| 37.5° | 12919.4 | 12855.9 | 12846.8 | 12493.2 | 12552.2 | 12946.6 | 14297.4 | 17574.9 | 18898.5 | 18794.3 | 14324.6 |
| 40°   | 13803.3 | 13862.2 | 13957.4 | 13758.0 | 13667.3 | 14102.5 | 15258.4 | 18282.0 | 20127.0 | 20086.2 | 15195.0 |
| 42.5° | 14750.7 | 14696.3 | 14864.1 | 14696.3 | 14560.3 | 15176.8 | 16301.1 | 18771.6 | 21205.9 | 20870.4 | 16106.1 |
| 45°   | 16124.3 | 15952.0 | 16010.9 | 16024.5 | 15924.8 | 16151.5 | 16731.7 | 19125.2 | 21962.9 | 21926.6 | 16772.5 |
| 47.5° | 17271.1 | 17275.7 | 17176.0 | 17098.9 | 16795.2 | 17021.8 | 17212.2 | 19347.3 | 22833.3 | 22774.3 | 17030.9 |
| 50°   | 17697.3 | 17638.3 | 17928.4 | 18096.2 | 18114.3 | 17651.9 | 17588.5 | 19469.7 | 23291.1 | 23032.7 | 17289.3 |
| 52.5° | 16165.1 | 16219.5 | 16677.3 | 17674.6 | 18250.3 | 18300.2 | 18028.2 | 19723.6 | 23477.0 | 23422.6 | 17497.8 |
| 55°   | 13010.0 | 13272.9 | 14025.4 | 15176.8 | 16541.3 | 18041.8 | 18504.2 | 19986.5 | 23576.7 | 23531.4 | 18422.6 |
| 56°   | 11437.0 | 11641.0 | 12620.2 | 13522.3 | 15235.8 | 17103.4 | 18205.0 | 20267.5 | 23653.8 | 23866.8 | 18640.1 |
| 57.5° | 9206.7  | 9442.5  | 10145.1 | 11169.6 | 13191.3 | 15317.4 | 17379.9 | 19923.0 | 23354.6 | 23436.2 | 18798.8 |
| 60°   | 5757.0  | 5779.7  | 6622.9  | 7298.3  | 8721.7  | 10797.9 | 13263.9 | 17334.6 | 21613.9 | 21496.0 | 16885.8 |
| 62.5° | 3776.1  | 3780.6  | 4546.7  | 5099.7  | 5748.0  | 6224.0  | 7806.0  | 11496.0 | 15947.5 | 15739.0 | 12021.8 |
| 65°   | 2651.9  | 2710.8  | 3304.6  | 4043.5  | 4306.5  | 4057.1  | 4007.3  | 6060.8  | 8907.6  | 8608.4  | 6459.7  |
| 67.5° | 1940.2  | 1944.7  | 2470.5  | 3263.8  | 3644.6  | 3087.0  | 2506.8  | 2960.1  | 3526.8  | 3517.7  | 2991.9  |
| 70°   | 1282.9  | 1337.3  | 1740.7  | 2438.8  | 2874.0  | 2479.6  | 2049.0  | 2117.0  | 2243.9  | 2243.9  | 2225.8  |
| 72.5° | 748.0   | 797.8   | 1065.3  | 1545.8  | 1613.8  | 1550.3  | 1622.9  | 1813.2  | 1894.8  | 1890.3  | 1867.6  |
| 75°   | 426.1   | 448.8   | 507.7   | 643.7   | 802.4   | 947.4   | 1192.2  | 1373.5  | 1455.1  | 1505.0  | 1446.1  |
| 77.5° | 249.3   | 262.9   | 299.2   | 367.2   | 417.0   | 512.2   | 648.2   | 775.2   | 884.0   | 870.4   | 879.4   |
| 80°   | 131.5   | 131.5   | 167.7   | 217.6   | 290.1   | 362.6   | 430.6   | 503.2   | 562.1   | 575.7   | 589.3   |
| 82.5° | 77.1    | 81.6    | 108.8   | 158.7   | 208.5   | 258.4   | 330.9   | 380.8   | 435.2   | 439.7   | 448.8   |
| 85°   | 40.8    | 45.3    | 68.0    | 104.3   | 140.5   | 158.7   | 163.2   | 154.1   | 167.7   | 158.7   | 181.3   |
| 87.5° | 13.6    | 13.6    | 22.7    | 18.1    | 18.1    | 22.7    | 27.2    | 27.2    | 36.3    | 36.3    | 36.3    |
| 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°    | 6690.9  | 6690.9 | 6690.9 | 6690.9 | 6690.9 | 6690.9 | 6690.9 | 6690.9 | 6690.9 | 6690.9 | 6690.9 |
| 2.5°  | 6727.1  | 6727.1 | 6650.1 | 6505.0 | 6482.3 | 6423.4 | 6369.0 | 6364.5 | 6323.7 | 6287.4 | 6269.3 |
| 5°    | 6854.1  | 6713.5 | 6600.2 | 6468.7 | 6314.6 | 6242.1 | 6160.5 | 6069.8 | 6033.6 | 6069.8 | 6065.3 |
| 7.5°  | 6999.1  | 6881.3 | 6541.3 | 6296.5 | 6119.7 | 6047.2 | 5956.5 | 5861.3 | 5870.4 | 5870.4 | 5806.9 |
| 10°   | 7139.6  | 6981.0 | 6437.0 | 6124.2 | 5865.8 | 5811.4 | 5761.6 | 5797.8 | 5843.2 | 5852.2 | 5811.4 |
| 12.5° | 7375.4  | 7017.3 | 6387.2 | 5952.0 | 5788.8 | 5670.9 | 5702.7 | 5802.4 | 5897.6 | 5870.4 | 5902.1 |
| 15°   | 7552.2  | 7049.0 | 6160.5 | 5775.2 | 5571.2 | 5625.6 | 5738.9 | 5806.9 | 5965.6 | 5947.4 | 5979.2 |
| 17.5° | 7724.4  | 7067.1 | 5938.4 | 5539.5 | 5453.3 | 5602.9 | 5689.1 | 5884.0 | 5933.8 | 6042.6 | 6083.4 |
| 20°   | 8078.0  | 7103.4 | 5711.7 | 5394.4 | 5367.2 | 5539.5 | 5689.1 | 5779.7 | 5888.5 | 5983.7 | 5983.7 |
| 22.5° | 8259.3  | 7085.2 | 5562.1 | 5204.0 | 5290.1 | 5398.9 | 5534.9 | 5689.1 | 5689.1 | 5779.7 | 5784.2 |
| 25°   | 8486.0  | 7012.7 | 5326.4 | 5113.3 | 5176.8 | 5281.1 | 5435.2 | 5380.8 | 5439.7 | 5439.7 | 5512.3 |
| 27.5° | 8744.4  | 6858.6 | 5122.4 | 4950.2 | 5077.1 | 5190.4 | 5213.1 | 5176.8 | 5108.8 | 5099.7 | 5072.5 |
| 30°   | 8952.9  | 6668.2 | 4972.8 | 4895.8 | 5000.0 | 5063.5 | 4991.0 | 4913.9 | 4796.0 | 4787.0 | 4723.5 |
| 32.5° | 9238.5  | 6432.5 | 4787.0 | 4759.8 | 4877.6 | 4882.2 | 4859.5 | 4741.6 | 4569.4 | 4496.8 | 4424.3 |
| 35°   | 9719.0  | 6296.5 | 4646.4 | 4687.2 | 4723.5 | 4709.9 | 4669.1 | 4542.2 | 4369.9 | 4338.2 | 4311.0 |
| 37.5° | 10072.6 | 6196.8 | 4501.4 | 4551.2 | 4583.0 | 4601.1 | 4478.7 | 4338.2 | 4342.7 | 4279.3 | 4261.1 |
| 40°   | 10471.5 | 6133.3 | 4383.5 | 4406.2 | 4410.7 | 4469.6 | 4320.1 | 4252.1 | 4283.8 | 4243.0 | 4270.2 |
| 42.5° | 10983.7 | 6151.4 | 4261.1 | 4243.0 | 4329.1 | 4306.5 | 4233.9 | 4143.3 | 4161.4 | 4039.0 | 4057.1 |
| 45°   | 11255.7 | 6273.8 | 4188.6 | 4107.0 | 4202.2 | 4197.7 | 4102.5 | 4016.3 | 3907.5 | 3671.8 | 3680.9 |
| 47.5° | 11437.0 | 6305.6 | 4016.3 | 3961.9 | 4061.7 | 4120.6 | 4011.8 | 3812.3 | 3658.2 | 3490.5 | 3449.7 |
| 50°   | 11622.9 | 6364.5 | 3934.7 | 3821.4 | 3862.2 | 4002.7 | 3866.7 | 3676.4 | 3526.8 | 3377.2 | 3399.8 |
| 52.5° | 11786.1 | 6477.8 | 3776.1 | 3608.4 | 3680.9 | 3835.0 | 3762.5 | 3531.3 | 3368.1 | 3245.7 | 3209.4 |
| 55°   | 12511.4 | 6731.7 | 3508.6 | 3291.0 | 3463.3 | 3658.2 | 3617.4 | 3336.4 | 3159.6 | 3096.1 | 3087.0 |
| 56°   | 12624.7 | 6740.7 | 3368.1 | 3182.2 | 3340.9 | 3599.3 | 3549.4 | 3250.2 | 3091.6 | 2991.9 | 2996.4 |
| 57.5° | 12642.8 | 6631.9 | 3168.6 | 3082.5 | 3218.5 | 3513.2 | 3449.7 | 3182.2 | 2964.7 | 2874.0 | 2846.8 |
| 60°   | 11124.2 | 5176.8 | 2919.3 | 2864.9 | 3023.6 | 3250.2 | 3227.6 | 2996.4 | 2751.6 | 2647.3 | 2697.2 |
| 62.5° | 7583.9  | 3794.2 | 2724.4 | 2715.3 | 2796.9 | 3019.1 | 2960.1 | 2751.6 | 2547.6 | 2479.6 | 2447.9 |
| 65°   | 4415.2  | 2878.5 | 2534.0 | 2497.7 | 2565.7 | 2683.6 | 2724.4 | 2506.8 | 2293.8 | 2248.4 | 2234.8 |
| 67.5° | 2606.5  | 2379.9 | 2289.2 | 2230.3 | 2207.6 | 2280.2 | 2311.9 | 2185.0 | 1971.9 | 1908.4 | 1962.8 |
| 70°   | 2180.4  | 2117.0 | 2121.5 | 2021.8 | 1967.4 | 1917.5 | 1890.3 | 1777.0 | 1600.2 | 1518.6 | 1495.9 |
| 72.5° | 1881.2  | 1854.0 | 1835.9 | 1745.2 | 1695.4 | 1582.1 | 1464.2 | 1350.9 | 1219.4 | 1151.4 | 1155.9 |
| 75°   | 1437.0  | 1427.9 | 1437.0 | 1391.7 | 1305.5 | 1214.9 | 1106.1 | 961.0  | 861.3  | 775.2  | 793.3  |
| 77.5° | 856.8   | 884.0  | 897.6  | 879.4  | 843.2  | 761.6  | 693.6  | 598.4  | 503.2  | 435.2  | 426.1  |
| 80°   | 589.3   | 612.0  | 634.6  | 612.0  | 575.7  | 516.8  | 444.2  | 371.7  | 303.7  | 267.5  | 258.4  |
| 82.5° | 448.8   | 471.4  | 485.0  | 462.4  | 417.0  | 353.6  | 303.7  | 253.9  | 199.5  | 163.2  | 154.1  |
| 85°   | 163.2   | 185.9  | 181.3  | 217.6  | 235.7  | 226.7  | 194.9  | 149.6  | 113.3  | 81.6   | 77.1   |
| 87.5° | 45.3    | 40.8   | 45.3   | 45.3   | 45.3   | 40.8   | 36.3   | 36.3   | 36.3   | 22.7   | 18.1   |
| 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)