

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: P530884

Luminaire Tested: **GLAN-SA6A-827-U-SL2-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530884  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6A-827-U-SL2-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16897 lumens  
Efficiency: N/A  
Efficacy: 92.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2

Input Watts (W): 182  
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

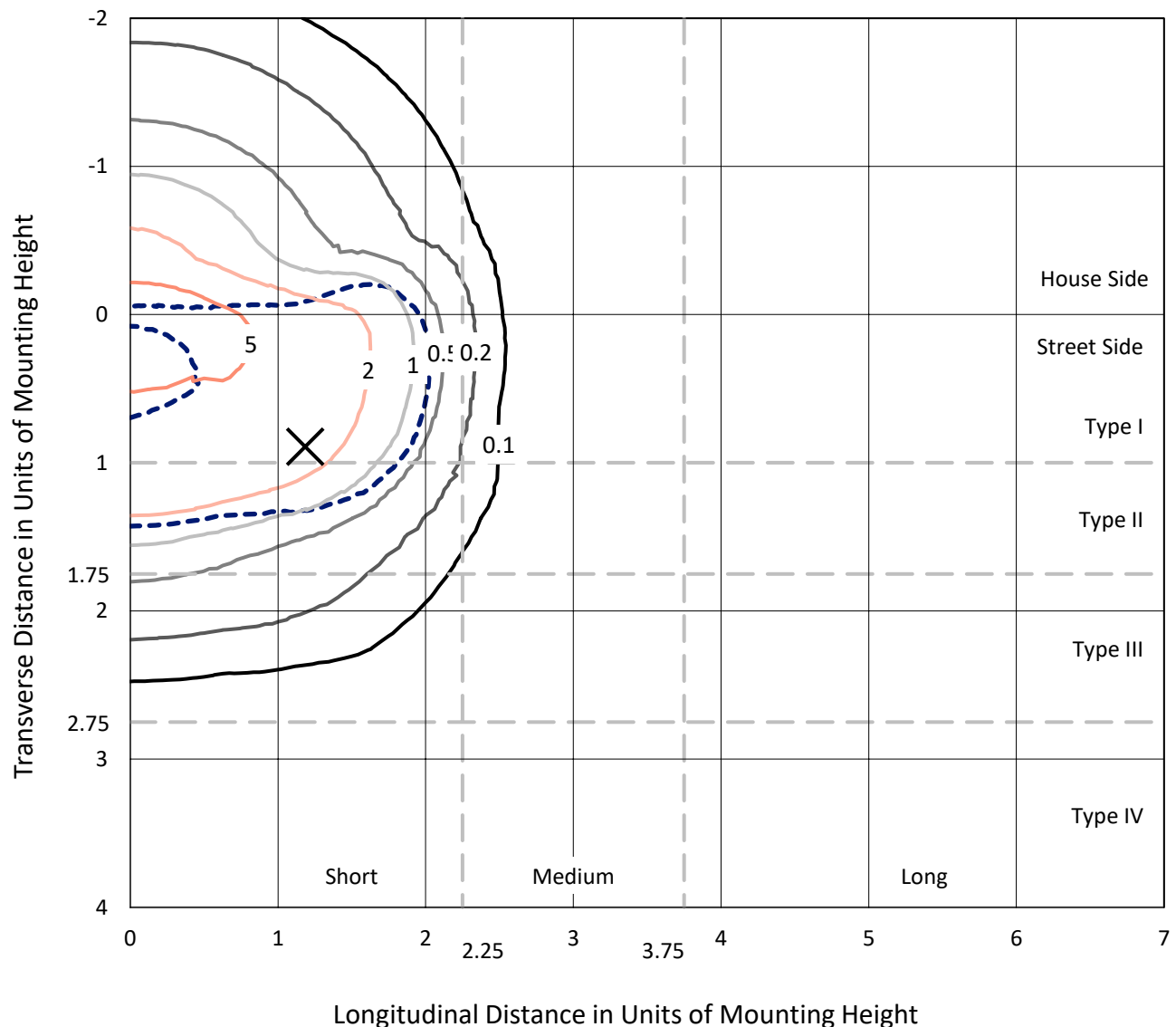


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## Iso-Footcandle Lines of Horizontal Illumination

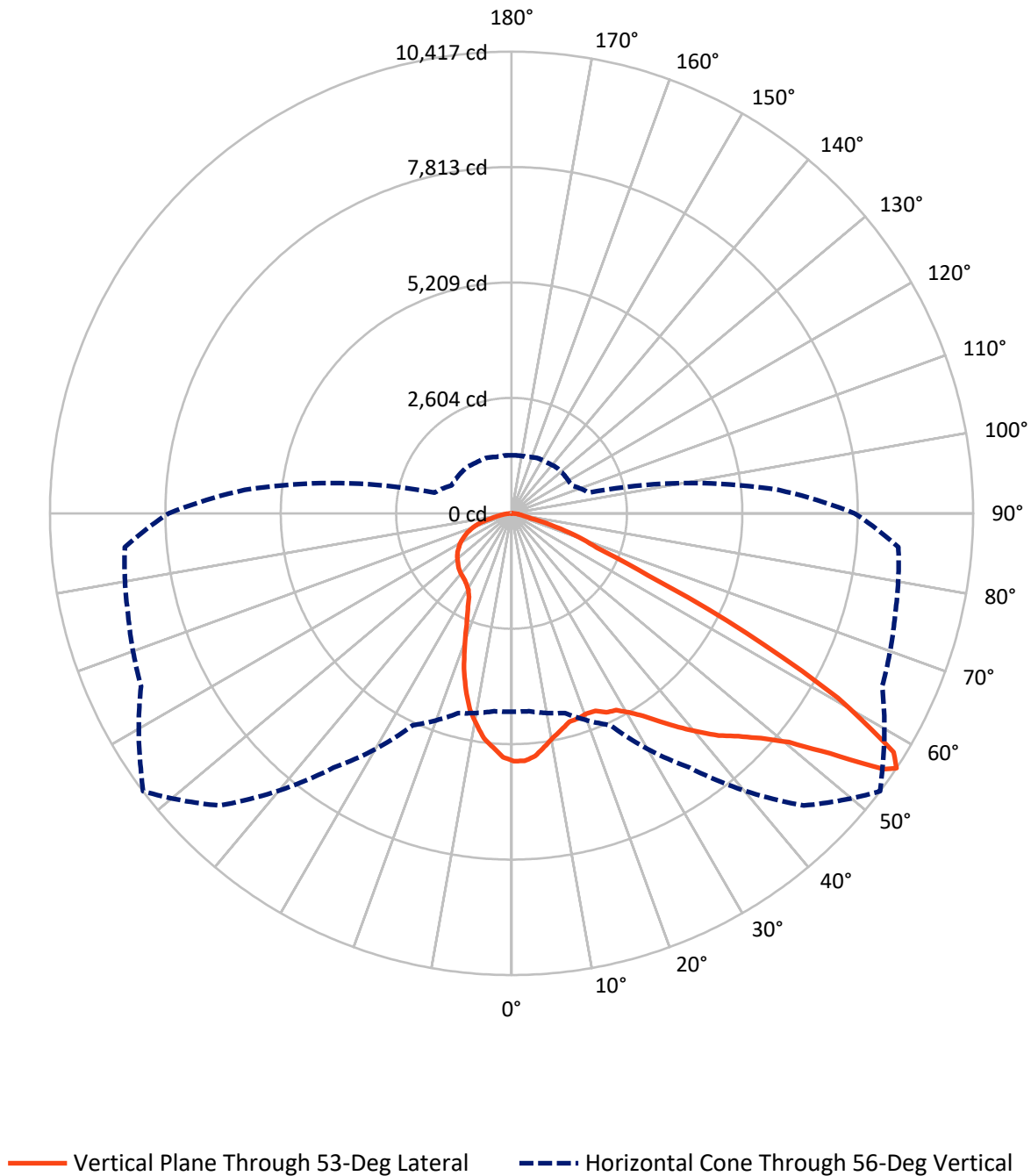
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc  
 Type II - Short - N/A

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## Luminous Intensity Polar Plot



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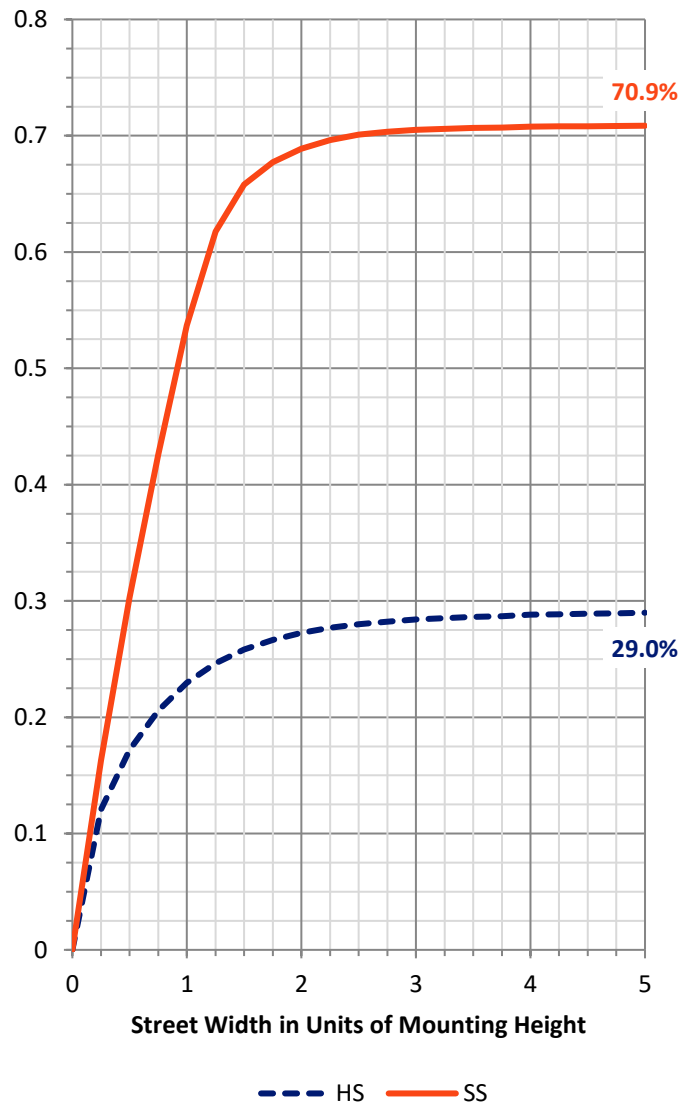
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4930.9   | 0.0    | 4930.9  |
|                    | % Fixture | 29.2     | 0.0    | 29.2    |
| <b>Street Side</b> | Lumens    | 11966.1  | 0.0    | 11966.1 |
|                    | % Fixture | 70.8     | 0.0    | 70.8    |
| <b>Total</b>       | Lumens    | 16897.0  | 0.0    | 16897.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 494.9   | 2.9       |
| 10°-20°   | 1236.0  | 7.3       |
| 20°-30°   | 1822.6  | 10.8      |
| 30°-40°   | 2604.2  | 15.4      |
| 40°-50°   | 3584.3  | 21.2      |
| 50°-60°   | 4235.7  | 25.1      |
| 60°-70°   | 2257.3  | 13.4      |
| 70°-80°   | 572.7   | 3.4       |
| 80°-90°   | 89.3    | 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°    | 16897.0 | 100.0     |
| 0°-180°   | 16897.0 | 100.0     |

**Coefficient of Utilization**



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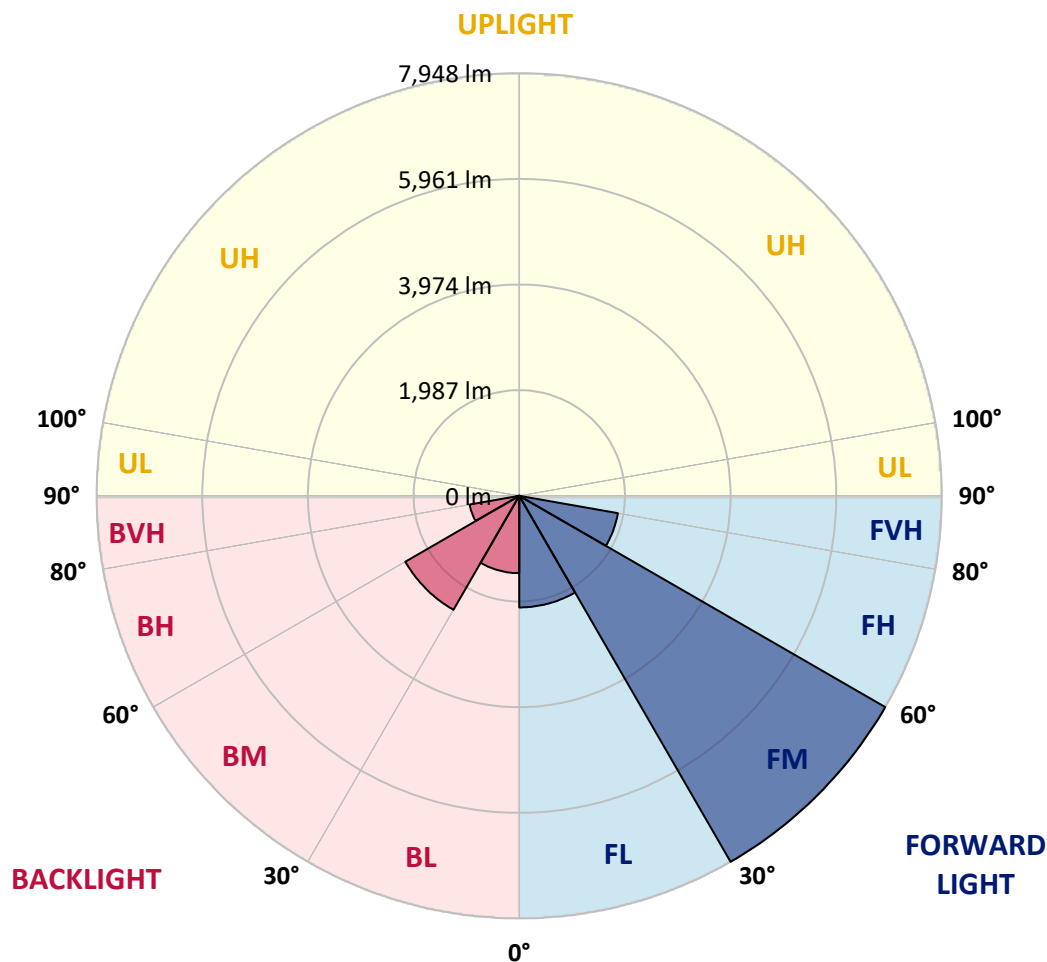
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2099.2 | 12.4      |                         |      |         |
| FM   | (30°-60°)   | 7948.0 | 47.0      |                         |      |         |
| FH   | (60°-80°)   | 1883.0 | 11.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 35.9   | 0.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 1454.3 | 8.6       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2476.1 | 14.7      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 947.0  | 5.6       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 53.4   | 0.3       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 53°     | 55°     | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|--------|
| 0°    | 5590.2 | 5590.2 | 5590.2 | 5590.2 | 5590.2 | 5590.2 | 5590.2  | 5590.2  | 5590.2 | 5590.2 | 5590.2 |
| 2.5°  | 5520.8 | 5473.1 | 5501.3 | 5490.5 | 5579.4 | 5605.4 | 5592.4  | 5603.2  | 5653.1 | 5629.2 | 5579.4 |
| 5°    | 5158.8 | 5226.0 | 5239.0 | 5271.6 | 5323.6 | 5425.5 | 5505.7  | 5527.3  | 5551.2 | 5661.7 | 5650.9 |
| 7.5°  | 4829.4 | 4874.9 | 4851.0 | 4946.4 | 5059.1 | 5223.9 | 5321.4  | 5338.8  | 5557.7 | 5618.4 | 5663.9 |
| 10°   | 4621.3 | 4575.8 | 4684.1 | 4710.2 | 4838.0 | 5026.6 | 5143.7  | 5215.2  | 5414.6 | 5655.2 | 5683.4 |
| 12.5° | 4428.4 | 4413.2 | 4478.2 | 4551.9 | 4695.0 | 4890.1 | 5009.3  | 5037.5  | 5345.3 | 5598.9 | 5731.1 |
| 15°   | 4285.3 | 4268.0 | 4333.0 | 4387.2 | 4554.1 | 4727.5 | 4879.2  | 4959.4  | 5269.4 | 5566.4 | 5689.9 |
| 17.5° | 4172.6 | 4170.4 | 4207.3 | 4304.8 | 4476.1 | 4621.3 | 4866.2  | 4870.6  | 5230.4 | 5616.2 | 5724.6 |
| 20°   | 4166.1 | 4163.9 | 4170.4 | 4278.8 | 4434.9 | 4612.6 | 4825.0  | 4864.1  | 5230.4 | 5581.5 | 5726.8 |
| 22.5° | 4220.3 | 4185.6 | 4224.6 | 4294.0 | 4406.7 | 4627.8 | 4840.2  | 4926.9  | 5356.1 | 5752.8 | 5824.3 |
| 25°   | 4307.0 | 4315.7 | 4337.3 | 4361.2 | 4426.2 | 4662.5 | 4974.6  | 5046.1  | 5503.5 | 5900.2 | 5958.7 |
| 27.5° | 4465.2 | 4460.9 | 4469.6 | 4482.6 | 4538.9 | 4695.0 | 5028.8  | 5213.0  | 5811.3 | 6162.4 | 6103.9 |
| 30°   | 4697.1 | 4682.0 | 4716.7 | 4762.2 | 4710.2 | 4799.0 | 5208.7  | 5347.4  | 6097.4 | 6426.9 | 6266.5 |
| 32.5° | 4907.4 | 4963.8 | 5028.8 | 5048.3 | 4985.4 | 5002.8 | 5447.1  | 5588.0  | 6335.8 | 6752.0 | 6465.9 |
| 35°   | 5169.7 | 5215.2 | 5301.9 | 5362.6 | 5351.8 | 5299.7 | 5772.3  | 5958.7  | 6680.5 | 6990.5 | 6676.2 |
| 37.5° | 5425.5 | 5479.6 | 5622.7 | 5802.6 | 5702.9 | 5679.1 | 6119.1  | 6273.0  | 6786.7 | 7118.3 | 6830.1 |
| 40°   | 5837.3 | 5835.1 | 6082.2 | 6175.4 | 6264.3 | 6223.1 | 6478.9  | 6530.9  | 6843.1 | 7090.2 | 6834.4 |
| 42.5° | 6320.7 | 6290.3 | 6541.8 | 6687.0 | 6801.9 | 6806.2 | 6853.9  | 6836.6  | 6869.1 | 6947.1 | 6788.9 |
| 45°   | 6780.2 | 6845.2 | 7098.8 | 7358.9 | 7473.8 | 7486.8 | 7170.4  | 7137.8  | 6914.6 | 6905.9 | 6702.2 |
| 47.5° | 7341.6 | 7356.8 | 7564.9 | 7907.3 | 8174.0 | 8082.9 | 7580.0  | 7508.5  | 7114.0 | 7181.2 | 6847.4 |
| 50°   | 7374.1 | 7486.8 | 7673.2 | 8076.4 | 8895.8 | 8871.9 | 8111.1  | 7976.7  | 7434.8 | 7571.4 | 7252.7 |
| 52.5° | 6693.5 | 6667.5 | 6888.6 | 7547.5 | 8841.6 | 9656.6 | 8991.1  | 8670.3  | 8124.1 | 8020.1 | 7909.5 |
| 55°   | 5100.3 | 5161.0 | 5356.1 | 6021.5 | 7677.6 | 9667.4 | 10189.8 | 9927.5  | 8861.1 | 8683.3 | 8555.4 |
| 56°   | 4473.9 | 4482.6 | 4666.8 | 5273.7 | 7005.6 | 9322.8 | 10417.4 | 10205.0 | 9227.4 | 8956.4 | 8761.4 |
| 57.5° | 3708.7 | 3658.9 | 3754.3 | 4085.9 | 5913.2 | 8594.5 | 10168.1 | 10376.2 | 9656.6 | 9251.2 | 8980.3 |
| 60°   | 2919.7 | 2908.9 | 2869.9 | 2930.6 | 3736.9 | 6474.6 | 8464.4  | 8932.6  | 9613.2 | 8973.8 | 8601.0 |
| 62.5° | 2384.3 | 2330.2 | 2408.2 | 2494.9 | 2596.8 | 4016.5 | 5947.8  | 6223.1  | 7632.1 | 7163.9 | 6461.6 |
| 65°   | 1848.9 | 1822.9 | 1920.5 | 2202.3 | 2263.0 | 2551.2 | 3387.9  | 3600.4  | 4506.4 | 4426.2 | 3897.3 |
| 67.5° | 1272.4 | 1276.7 | 1361.2 | 1790.4 | 2098.2 | 2072.2 | 2074.4  | 2184.9  | 2351.8 | 1747.1 | 1521.6 |
| 70°   | 806.3  | 804.2  | 849.7  | 1153.2 | 1688.5 | 1705.9 | 1619.2  | 1586.7  | 1504.3 | 910.4  | 964.6  |
| 72.5° | 518.1  | 502.9  | 526.7  | 637.3  | 873.5  | 1010.1 | 1040.4  | 1059.9  | 871.4  | 715.3  | 776.0  |
| 75°   | 292.6  | 277.5  | 268.8  | 297.0  | 344.6  | 398.8  | 437.9   | 450.9   | 505.0  | 541.9  | 574.4  |
| 77.5° | 88.9   | 80.2   | 97.5   | 130.1  | 171.2  | 229.8  | 279.6   | 288.3   | 340.3  | 383.7  | 416.2  |
| 80°   | 39.0   | 43.4   | 60.7   | 86.7   | 121.4  | 162.6  | 197.2   | 210.3   | 244.9  | 277.5  | 286.1  |
| 82.5° | 23.8   | 26.0   | 41.2   | 58.5   | 84.5   | 114.9  | 140.9   | 145.2   | 179.9  | 205.9  | 212.4  |
| 85°   | 8.7    | 10.8   | 21.7   | 34.7   | 54.2   | 73.7   | 73.7    | 80.2    | 73.7   | 73.7   | 80.2   |
| 87.5° | 0.0    | 0.0    | 2.2    | 4.3    | 4.3    | 6.5    | 8.7     | 8.7     | 10.8   | 13.0   | 15.2   |
| 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°    | 5590.2 | 5590.2 | 5590.2 | 5590.2 | 5590.2 | 5590.2 | 5590.2 | 5590.2 | 5590.2 | 5590.2 | 5590.2 |
| 2.5°  | 5605.4 | 5594.5 | 5577.2 | 5514.3 | 5507.8 | 5488.3 | 5379.9 | 5362.6 | 5379.9 | 5327.9 | 5332.3 |
| 5°    | 5594.5 | 5627.0 | 5497.0 | 5434.1 | 5317.1 | 5232.5 | 5135.0 | 5085.1 | 4996.3 | 4939.9 | 5002.8 |
| 7.5°  | 5642.2 | 5629.2 | 5466.6 | 5330.1 | 5154.5 | 4939.9 | 4768.7 | 4671.1 | 4515.1 | 4471.7 | 4504.2 |
| 10°   | 5624.9 | 5555.5 | 5364.8 | 5184.9 | 4853.2 | 4664.6 | 4387.2 | 4118.4 | 3971.0 | 3895.1 | 3884.3 |
| 12.5° | 5601.0 | 5581.5 | 5262.9 | 4952.9 | 4603.9 | 4207.3 | 3817.1 | 3563.5 | 3322.9 | 3218.9 | 3234.0 |
| 15°   | 5629.2 | 5464.5 | 5072.1 | 4679.8 | 4215.9 | 3695.7 | 3275.2 | 2947.9 | 2781.0 | 2713.8 | 2713.8 |
| 17.5° | 5616.2 | 5408.1 | 4981.1 | 4374.2 | 3786.8 | 3171.2 | 2709.5 | 2512.2 | 2442.9 | 2442.9 | 2462.4 |
| 20°   | 5622.7 | 5445.0 | 4796.9 | 4068.6 | 3279.6 | 2670.5 | 2334.5 | 2263.0 | 2293.3 | 2304.1 | 2315.0 |
| 22.5° | 5659.6 | 5323.6 | 4616.9 | 3732.6 | 2809.2 | 2284.6 | 2119.9 | 2122.1 | 2176.3 | 2234.8 | 2223.9 |
| 25°   | 5705.1 | 5275.9 | 4398.0 | 3398.8 | 2449.4 | 2096.1 | 2044.0 | 2037.5 | 2078.7 | 2109.1 | 2113.4 |
| 27.5° | 5666.1 | 5193.5 | 4174.8 | 2982.6 | 2154.6 | 1970.3 | 1959.5 | 1963.8 | 1976.8 | 2037.5 | 2018.0 |
| 30°   | 5793.9 | 5217.4 | 3895.1 | 2633.6 | 1992.0 | 1929.1 | 1916.1 | 1909.6 | 1929.1 | 1946.5 | 1931.3 |
| 32.5° | 5952.2 | 5132.8 | 3687.1 | 2297.6 | 1911.8 | 1898.8 | 1872.8 | 1864.1 | 1875.0 | 1857.6 | 1866.3 |
| 35°   | 6021.5 | 5117.7 | 3416.1 | 2057.0 | 1848.9 | 1838.1 | 1822.9 | 1820.8 | 1822.9 | 1807.8 | 1794.8 |
| 37.5° | 6060.6 | 5189.2 | 3106.1 | 1946.5 | 1809.9 | 1820.8 | 1786.1 | 1781.8 | 1742.7 | 1751.4 | 1757.9 |
| 40°   | 6127.8 | 5078.6 | 2854.7 | 1840.3 | 1786.1 | 1764.4 | 1734.1 | 1727.6 | 1701.6 | 1686.4 | 1701.6 |
| 42.5° | 6030.2 | 5046.1 | 2607.6 | 1794.8 | 1751.4 | 1727.6 | 1705.9 | 1669.0 | 1660.4 | 1647.4 | 1638.7 |
| 45°   | 5952.2 | 4859.7 | 2386.5 | 1738.4 | 1710.2 | 1697.2 | 1656.0 | 1617.0 | 1584.5 | 1597.5 | 1578.0 |
| 47.5° | 6010.7 | 4794.7 | 2167.6 | 1690.7 | 1653.9 | 1638.7 | 1597.5 | 1567.2 | 1534.6 | 1519.5 | 1515.1 |
| 50°   | 6244.8 | 4916.1 | 1983.3 | 1656.0 | 1606.2 | 1597.5 | 1543.3 | 1508.6 | 1478.3 | 1467.5 | 1471.8 |
| 52.5° | 6804.0 | 5247.7 | 1857.6 | 1584.5 | 1560.7 | 1521.6 | 1491.3 | 1447.9 | 1428.4 | 1393.8 | 1415.4 |
| 55°   | 7512.8 | 5787.4 | 1825.1 | 1517.3 | 1504.3 | 1469.6 | 1428.4 | 1395.9 | 1359.1 | 1330.9 | 1324.4 |
| 56°   | 7740.4 | 6045.4 | 1799.1 | 1491.3 | 1469.6 | 1450.1 | 1395.9 | 1376.4 | 1317.9 | 1311.4 | 1307.1 |
| 57.5° | 7924.7 | 6273.0 | 1803.4 | 1441.4 | 1419.8 | 1402.4 | 1369.9 | 1322.2 | 1283.2 | 1259.4 | 1270.2 |
| 60°   | 7508.5 | 5872.0 | 1721.1 | 1365.6 | 1361.2 | 1328.7 | 1283.2 | 1261.5 | 1213.8 | 1185.7 | 1179.2 |
| 62.5° | 5581.5 | 3986.2 | 1395.9 | 1268.0 | 1265.9 | 1231.2 | 1179.2 | 1155.3 | 1146.7 | 1107.6 | 1107.6 |
| 65°   | 3214.5 | 2499.2 | 1207.3 | 1187.8 | 1170.5 | 1135.8 | 1083.8 | 1064.3 | 1042.6 | 1029.6 | 1018.8 |
| 67.5° | 1372.1 | 1296.2 | 1096.8 | 1094.6 | 1075.1 | 1031.8 | 979.7  | 949.4  | 921.2  | 895.2  | 908.2  |
| 70°   | 994.9  | 1010.1 | 990.6  | 979.7  | 955.9  | 901.7  | 856.2  | 819.3  | 776.0  | 758.7  | 771.7  |
| 72.5° | 789.0  | 821.5  | 849.7  | 851.9  | 823.7  | 760.8  | 711.0  | 661.1  | 613.4  | 589.6  | 600.4  |
| 75°   | 598.3  | 619.9  | 648.1  | 654.6  | 613.4  | 570.1  | 522.4  | 470.4  | 433.5  | 405.3  | 409.7  |
| 77.5° | 431.3  | 427.0  | 453.0  | 448.7  | 429.2  | 398.8  | 355.5  | 307.8  | 266.6  | 240.6  | 242.8  |
| 80°   | 294.8  | 301.3  | 316.5  | 314.3  | 290.5  | 270.9  | 238.4  | 199.4  | 169.1  | 147.4  | 143.1  |
| 82.5° | 205.9  | 216.8  | 229.8  | 218.9  | 199.4  | 179.9  | 156.1  | 127.9  | 104.0  | 86.7   | 82.4   |
| 85°   | 73.7   | 84.5   | 97.5   | 104.0  | 110.5  | 106.2  | 88.9   | 71.5   | 52.0   | 43.4   | 41.2   |
| 87.5° | 15.2   | 17.3   | 19.5   | 19.5   | 19.5   | 17.3   | 15.2   | 15.2   | 13.0   | 6.5    | 6.5    |
| 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)