

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: P455055

Luminaire Tested: **GLAN-SA6B-722-U-T3**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P455055  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6B-722-U-T3  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 2200K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24598 lumens  
Efficiency: N/A  
Efficacy: 101.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - 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

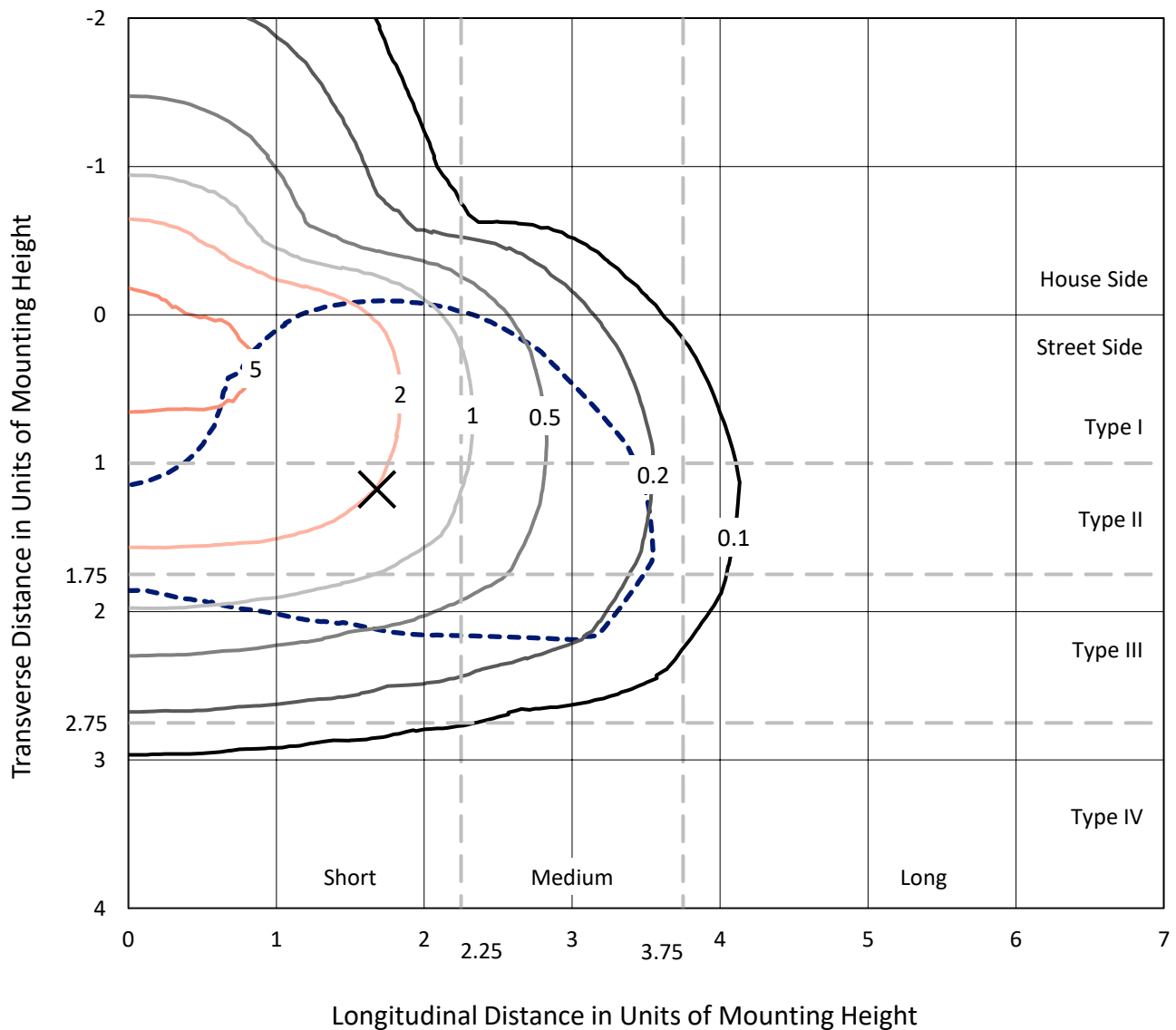


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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

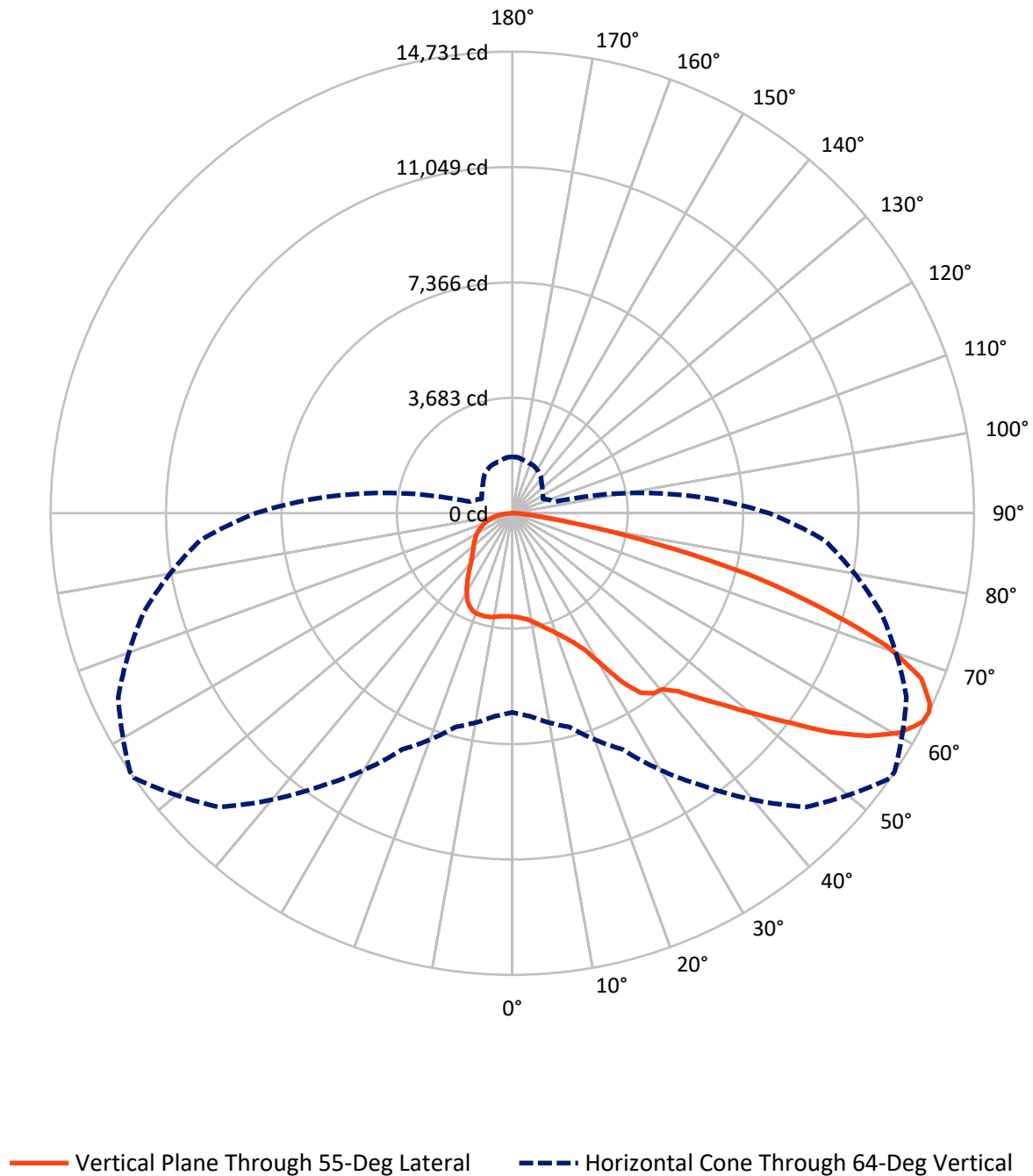


Based on 25 foot mounting height. Maximum calculated value = 6 fc  
 Type III - Short - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5975.3   | 0.0    | 5975.3  |
|                    | % Fixture | 24.3     | 0.0    | 24.3    |
| <b>Street Side</b> | Lumens    | 18622.7  | 0.0    | 18622.7 |
|                    | % Fixture | 75.7     | 0.0    | 75.7    |
| <b>Total</b>       | Lumens    | 24598.0  | 0.0    | 24598.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 321.0   | 1.3       |
| 10°-20°   | 1013.0  | 4.1       |
| 20°-30°   | 1803.3  | 7.3       |
| 30°-40°   | 2774.6  | 11.3      |
| 40°-50°   | 3933.2  | 16.0      |
| 50°-60°   | 5693.3  | 23.1      |
| 60°-70°   | 5891.9  | 24.0      |
| 70°-80°   | 2759.2  | 11.2      |
| 80°-90°   | 408.5   | 1.7       |
| 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°    | 24598.0 | 100.0     |
| 0°-180°   | 24598.0 | 100.0     |

**Coefficient of Utilization**



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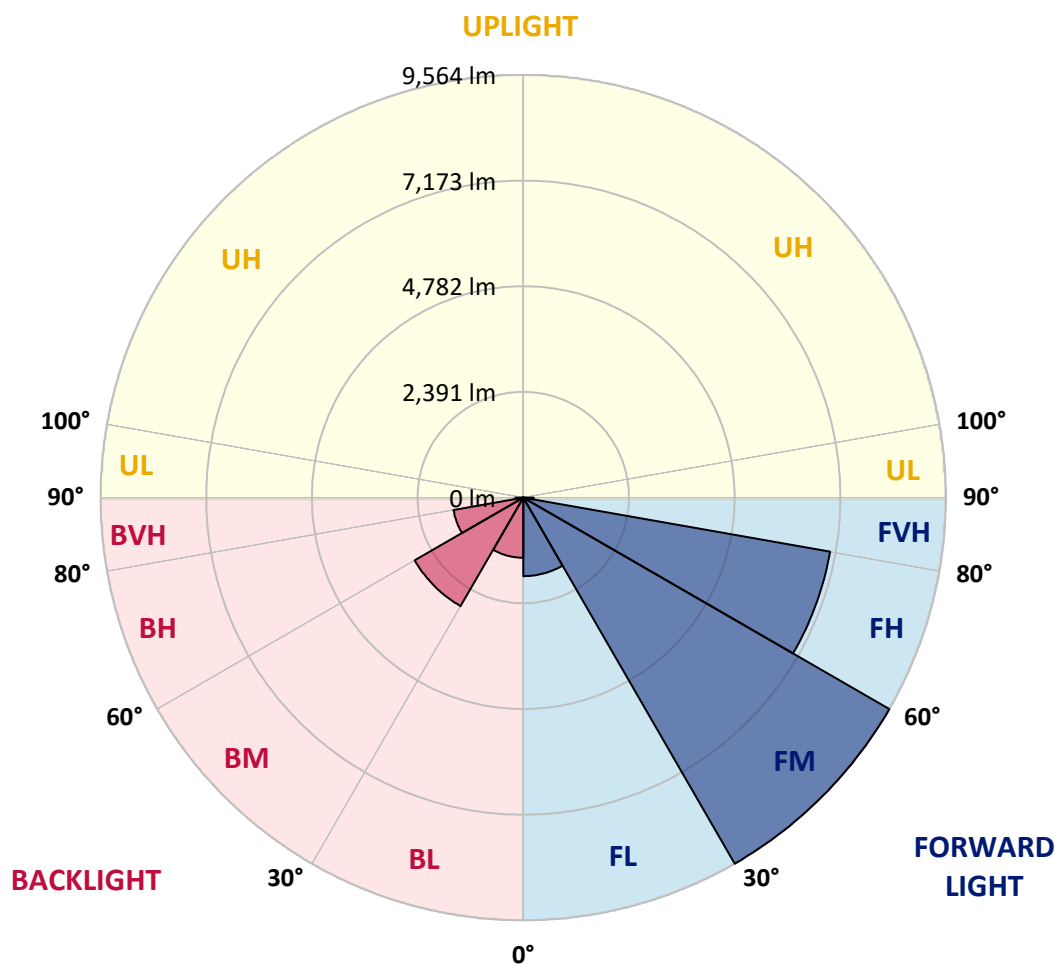
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1776.4 | 7.2       |                         |      |         |
| FM   | (30°-60°)   | 9564.4 | 38.9      |                         |      |         |
| FH   | (60°-80°)   | 7048.0 | 28.7      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 233.9  | 1.0       |                         |      | G3/500  |
| BL   | (0°-30°)    | 1360.9 | 5.5       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2836.7 | 11.5      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1603.1 | 6.5       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 174.6  | 0.7       |                         |      | 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 III Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°     | 45°     | 55°     | 56°     | 65°     | 75°     | 85°     |
|-------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3300.3 | 3300.3 | 3300.3 | 3300.3 | 3300.3  | 3300.3  | 3300.3  | 3300.3  | 3300.3  | 3300.3  | 3300.3  |
| 2.5°  | 3337.3 | 3336.0 | 3340.1 | 3336.0 | 3338.7  | 3329.1  | 3325.0  | 3327.7  | 3323.6  | 3316.8  | 3304.4  |
| 5°    | 3378.5 | 3377.1 | 3378.5 | 3373.0 | 3375.7  | 3370.2  | 3360.6  | 3363.4  | 3356.5  | 3341.4  | 3323.6  |
| 7.5°  | 3448.4 | 3442.9 | 3442.9 | 3441.5 | 3436.1  | 3427.8  | 3421.0  | 3418.2  | 3411.4  | 3392.2  | 3364.8  |
| 10°   | 3538.9 | 3538.9 | 3540.3 | 3529.3 | 3536.1  | 3521.1  | 3514.2  | 3512.8  | 3489.5  | 3464.8  | 3426.5  |
| 12.5° | 3658.2 | 3665.0 | 3660.9 | 3655.4 | 3652.7  | 3647.2  | 3623.9  | 3629.4  | 3603.3  | 3560.8  | 3514.2  |
| 15°   | 3806.3 | 3817.2 | 3810.4 | 3807.6 | 3800.8  | 3780.2  | 3770.6  | 3766.5  | 3732.2  | 3670.5  | 3608.8  |
| 17.5° | 4002.3 | 3988.6 | 3983.1 | 3976.3 | 3947.5  | 3932.4  | 3915.9  | 3913.2  | 3883.0  | 3810.4  | 3714.4  |
| 20°   | 4173.7 | 4192.9 | 4181.9 | 4175.1 | 4146.3  | 4117.5  | 4105.2  | 4101.0  | 4075.0  | 3995.5  | 3841.9  |
| 22.5° | 4378.0 | 4382.1 | 4386.2 | 4369.8 | 4356.1  | 4334.1  | 4312.2  | 4305.3  | 4295.7  | 4213.5  | 4025.6  |
| 25°   | 4596.0 | 4612.5 | 4598.8 | 4582.3 | 4565.9  | 4564.5  | 4585.1  | 4582.3  | 4578.2  | 4498.7  | 4269.7  |
| 27.5° | 4951.1 | 4966.2 | 4970.3 | 4952.5 | 4889.4  | 4894.9  | 4941.6  | 4956.6  | 5019.7  | 4888.1  | 4583.7  |
| 30°   | 5151.3 | 5166.4 | 5200.7 | 5267.9 | 5368.0  | 5455.7  | 5568.2  | 5602.4  | 5662.8  | 5414.6  | 4956.6  |
| 32.5° | 5274.7 | 5280.2 | 5341.9 | 5466.7 | 5767.0  | 6094.7  | 6400.4  | 6412.8  | 6451.2  | 6102.9  | 5298.0  |
| 35°   | 5469.4 | 5473.5 | 5522.9 | 5660.0 | 6012.4  | 6558.1  | 7031.2  | 7046.2  | 7014.7  | 6316.8  | 5457.1  |
| 37.5° | 5709.4 | 5720.4 | 5751.9 | 5865.7 | 6286.6  | 6946.1  | 7293.0  | 7282.1  | 7002.4  | 6486.8  | 5738.2  |
| 40°   | 6059.0 | 6059.0 | 6022.0 | 6175.6 | 6575.9  | 7168.3  | 7384.9  | 7365.7  | 7291.7  | 6979.1  | 6166.0  |
| 42.5° | 6367.5 | 6362.0 | 6449.8 | 6554.0 | 6937.9  | 7511.0  | 7770.2  | 7801.7  | 7923.8  | 7597.4  | 6652.7  |
| 45°   | 6769.3 | 6793.9 | 6843.3 | 7032.5 | 7553.6  | 8096.5  | 8431.1  | 8461.2  | 8634.0  | 8325.5  | 7221.7  |
| 47.5° | 7175.1 | 7183.3 | 7338.3 | 7590.6 | 8315.9  | 8890.4  | 9164.6  | 9214.0  | 9371.7  | 9177.0  | 7834.6  |
| 50°   | 7463.1 | 7541.2 | 7789.4 | 8187.0 | 9101.6  | 9858.4  | 10072.3 | 10131.3 | 10409.6 | 10103.9 | 8549.0  |
| 52.5° | 7767.4 | 7844.2 | 8147.3 | 8753.3 | 10003.8 | 10848.4 | 11111.6 | 11151.4 | 11440.7 | 11041.7 | 9279.8  |
| 55°   | 8028.0 | 8099.3 | 8443.4 | 9255.1 | 10722.2 | 11858.9 | 12336.1 | 12289.4 | 12427.9 | 11764.3 | 9843.3  |
| 57.5° | 8070.5 | 8128.1 | 8561.3 | 9576.0 | 11262.5 | 12725.5 | 13409.6 | 13437.1 | 13276.6 | 12304.5 | 10308.2 |
| 60°   | 7741.4 | 7859.3 | 8357.0 | 9541.7 | 11505.1 | 13328.8 | 14210.4 | 14229.6 | 13774.4 | 12581.5 | 10493.3 |
| 62.5° | 7158.7 | 7146.3 | 7748.3 | 8990.5 | 11165.1 | 13465.9 | 14682.1 | 14661.5 | 13969.1 | 12448.5 | 10313.6 |
| 64°   | 6353.8 | 6501.9 | 7064.1 | 8313.2 | 10616.7 | 13254.7 | 14731.4 | 14720.4 | 13875.8 | 12171.5 | 10007.9 |
| 65°   | 5863.0 | 5854.7 | 6410.0 | 7759.2 | 10070.9 | 12936.6 | 14643.7 | 14628.6 | 13681.1 | 11923.3 | 9770.7  |
| 67.5° | 4232.7 | 4251.9 | 4800.3 | 5987.7 | 8187.0  | 11693.0 | 14071.9 | 14015.7 | 12913.3 | 11100.7 | 8868.5  |
| 70°   | 2564.0 | 2575.0 | 3005.5 | 3972.2 | 5876.7  | 9452.6  | 12684.3 | 12687.1 | 11738.2 | 9872.1  | 7548.1  |
| 72.5° | 1350.6 | 1379.4 | 1552.1 | 2255.5 | 3569.1  | 6632.2  | 10290.3 | 10534.4 | 10077.8 | 8425.6  | 5963.0  |
| 75°   | 751.4  | 755.5  | 877.5  | 1112.0 | 1820.9  | 3711.6  | 7734.5  | 7804.5  | 7978.6  | 6781.6  | 4409.6  |
| 77.5° | 573.1  | 581.4  | 619.8  | 718.5  | 991.3   | 1720.8  | 4681.0  | 5032.0  | 5623.0  | 4781.1  | 2516.0  |
| 80°   | 464.8  | 473.0  | 505.9  | 564.9  | 659.5   | 815.8   | 2174.6  | 2363.8  | 3009.6  | 2122.5  | 981.7   |
| 82.5° | 362.0  | 356.5  | 399.0  | 437.4  | 479.9   | 482.6   | 892.6   | 987.2   | 1225.8  | 913.2   | 425.1   |
| 85°   | 268.7  | 268.7  | 303.0  | 294.8  | 309.9   | 282.5   | 393.5   | 434.6   | 490.9   | 388.0   | 197.4   |
| 87.5° | 106.9  | 117.9  | 198.8  | 178.2  | 138.5   | 111.1   | 145.3   | 153.6   | 170.0   | 152.2   | 82.3    |
| 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°    | 3300.3 | 3300.3 | 3300.3 | 3300.3 | 3300.3 | 3300.3 | 3300.3 | 3300.3 | 3300.3 | 3300.3 | 3300.3 |
| 2.5°  | 3305.8 | 3309.9 | 3300.3 | 3293.5 | 3290.7 | 3286.6 | 3282.5 | 3283.9 | 3289.3 | 3294.8 | 3293.5 |
| 5°    | 3322.2 | 3323.6 | 3307.2 | 3298.9 | 3293.5 | 3288.0 | 3288.0 | 3292.1 | 3303.1 | 3311.3 | 3311.3 |
| 7.5°  | 3363.4 | 3363.4 | 3340.1 | 3325.0 | 3316.8 | 3307.2 | 3304.4 | 3305.8 | 3314.0 | 3325.0 | 3326.4 |
| 10°   | 3427.8 | 3422.3 | 3392.2 | 3368.9 | 3353.8 | 3330.5 | 3309.9 | 3298.9 | 3303.1 | 3309.9 | 3309.9 |
| 12.5° | 3506.0 | 3490.9 | 3452.5 | 3421.0 | 3383.9 | 3340.1 | 3297.6 | 3275.6 | 3274.3 | 3281.1 | 3278.4 |
| 15°   | 3589.6 | 3573.2 | 3519.7 | 3462.1 | 3397.7 | 3333.2 | 3282.5 | 3250.9 | 3226.3 | 3219.4 | 3234.5 |
| 17.5° | 3687.0 | 3652.7 | 3578.6 | 3499.1 | 3403.1 | 3319.5 | 3240.0 | 3175.5 | 3131.7 | 3119.3 | 3123.4 |
| 20°   | 3804.9 | 3759.6 | 3659.5 | 3534.8 | 3399.0 | 3270.1 | 3146.7 | 3060.4 | 2989.1 | 2967.1 | 2969.9 |
| 22.5° | 3968.0 | 3889.9 | 3743.2 | 3552.6 | 3364.8 | 3176.9 | 3005.5 | 2893.1 | 2806.7 | 2772.4 | 2793.0 |
| 25°   | 4153.2 | 4068.1 | 3822.7 | 3548.5 | 3275.6 | 3027.5 | 2838.2 | 2691.5 | 2613.4 | 2562.6 | 2573.6 |
| 27.5° | 4408.2 | 4257.4 | 3907.7 | 3511.5 | 3148.1 | 2845.1 | 2625.7 | 2487.2 | 2415.9 | 2389.9 | 2402.2 |
| 30°   | 4734.5 | 4502.8 | 3999.6 | 3411.4 | 2946.6 | 2614.7 | 2411.8 | 2321.3 | 2278.8 | 2245.9 | 2256.9 |
| 32.5° | 4970.3 | 4675.6 | 4020.2 | 3242.7 | 2728.5 | 2405.0 | 2266.5 | 2199.3 | 2152.7 | 2121.1 | 2128.0 |
| 35°   | 5139.0 | 4822.3 | 4010.6 | 3035.7 | 2500.9 | 2232.2 | 2151.3 | 2096.5 | 2021.0 | 1952.5 | 1940.1 |
| 37.5° | 5365.2 | 5006.0 | 3940.6 | 2809.4 | 2276.1 | 2115.7 | 2058.1 | 1956.6 | 1848.3 | 1756.4 | 1752.3 |
| 40°   | 5712.1 | 5221.3 | 3791.2 | 2543.4 | 2084.1 | 2029.3 | 1959.3 | 1827.7 | 1711.2 | 1637.1 | 1631.6 |
| 42.5° | 6070.0 | 5420.1 | 3588.2 | 2263.7 | 1926.4 | 1938.8 | 1853.8 | 1723.5 | 1652.2 | 1604.2 | 1598.7 |
| 45°   | 6507.4 | 5635.3 | 3368.9 | 2021.0 | 1809.9 | 1853.8 | 1761.9 | 1686.5 | 1644.0 | 1612.4 | 1604.2 |
| 47.5° | 6980.4 | 5856.1 | 3122.1 | 1803.0 | 1711.2 | 1775.6 | 1723.5 | 1689.2 | 1665.9 | 1644.0 | 1634.4 |
| 50°   | 7490.5 | 6102.9 | 2890.3 | 1627.5 | 1622.0 | 1694.7 | 1719.4 | 1707.1 | 1693.3 | 1686.5 | 1678.3 |
| 52.5° | 8049.9 | 6355.2 | 2695.6 | 1504.1 | 1543.9 | 1637.1 | 1720.8 | 1730.4 | 1730.4 | 1726.3 | 1720.8 |
| 55°   | 8428.3 | 6530.7 | 2498.2 | 1404.0 | 1464.4 | 1590.5 | 1718.0 | 1755.0 | 1768.8 | 1763.3 | 1757.8 |
| 57.5° | 8708.0 | 6626.7 | 2250.0 | 1317.7 | 1397.2 | 1545.3 | 1702.9 | 1757.8 | 1771.5 | 1778.4 | 1775.6 |
| 60°   | 8765.6 | 6537.5 | 1925.1 | 1227.2 | 1324.5 | 1479.4 | 1648.1 | 1716.7 | 1734.5 | 1777.0 | 1781.1 |
| 62.5° | 8506.5 | 6263.3 | 1601.5 | 1138.0 | 1235.4 | 1379.4 | 1574.1 | 1670.0 | 1705.7 | 1771.5 | 1778.4 |
| 64°   | 8188.4 | 5956.2 | 1421.9 | 1081.8 | 1177.8 | 1323.1 | 1537.0 | 1657.7 | 1704.3 | 1792.1 | 1797.6 |
| 65°   | 7955.3 | 5732.7 | 1309.4 | 1046.2 | 1140.8 | 1286.1 | 1516.5 | 1661.8 | 1716.7 | 1823.6 | 1831.8 |
| 67.5° | 7097.0 | 4963.5 | 1083.2 | 962.5  | 1053.0 | 1223.0 | 1520.6 | 1696.1 | 1713.9 | 1835.9 | 1834.6 |
| 70°   | 5872.5 | 3951.6 | 907.7  | 885.7  | 968.0  | 1172.3 | 1504.1 | 1641.2 | 1642.6 | 1723.5 | 1704.3 |
| 72.5° | 4397.2 | 2920.5 | 787.0  | 806.2  | 873.4  | 1051.7 | 1420.5 | 1567.2 | 1543.9 | 1554.9 | 1535.7 |
| 75°   | 3020.6 | 1931.9 | 677.3  | 721.2  | 774.7  | 929.6  | 1302.6 | 1423.2 | 1386.2 | 1372.5 | 1358.8 |
| 77.5° | 1612.4 | 1068.1 | 563.5  | 637.6  | 673.2  | 803.5  | 1136.7 | 1253.2 | 1214.8 | 1161.3 | 1143.5 |
| 80°   | 652.7  | 503.2  | 453.8  | 527.9  | 548.5  | 647.2  | 946.1  | 1018.7 | 990.0  | 896.7  | 866.6  |
| 82.5° | 327.7  | 301.6  | 356.5  | 415.5  | 416.8  | 462.1  | 703.4  | 771.9  | 707.5  | 593.7  | 567.6  |
| 85°   | 171.4  | 176.9  | 245.4  | 292.1  | 257.8  | 249.5  | 422.3  | 467.6  | 429.2  | 372.9  | 335.9  |
| 87.5° | 61.7   | 71.3   | 128.9  | 127.5  | 90.5   | 48.0   | 93.2   | 45.2   | 24.7   | 15.1   | 19.2   |
| 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)