

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: P455202

Luminaire Tested: **GLAN-SA6B-760-U-T3R**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455202
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6B-760-U-T3R
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34530 lumens
Efficiency: N/A
Efficacy: 142.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

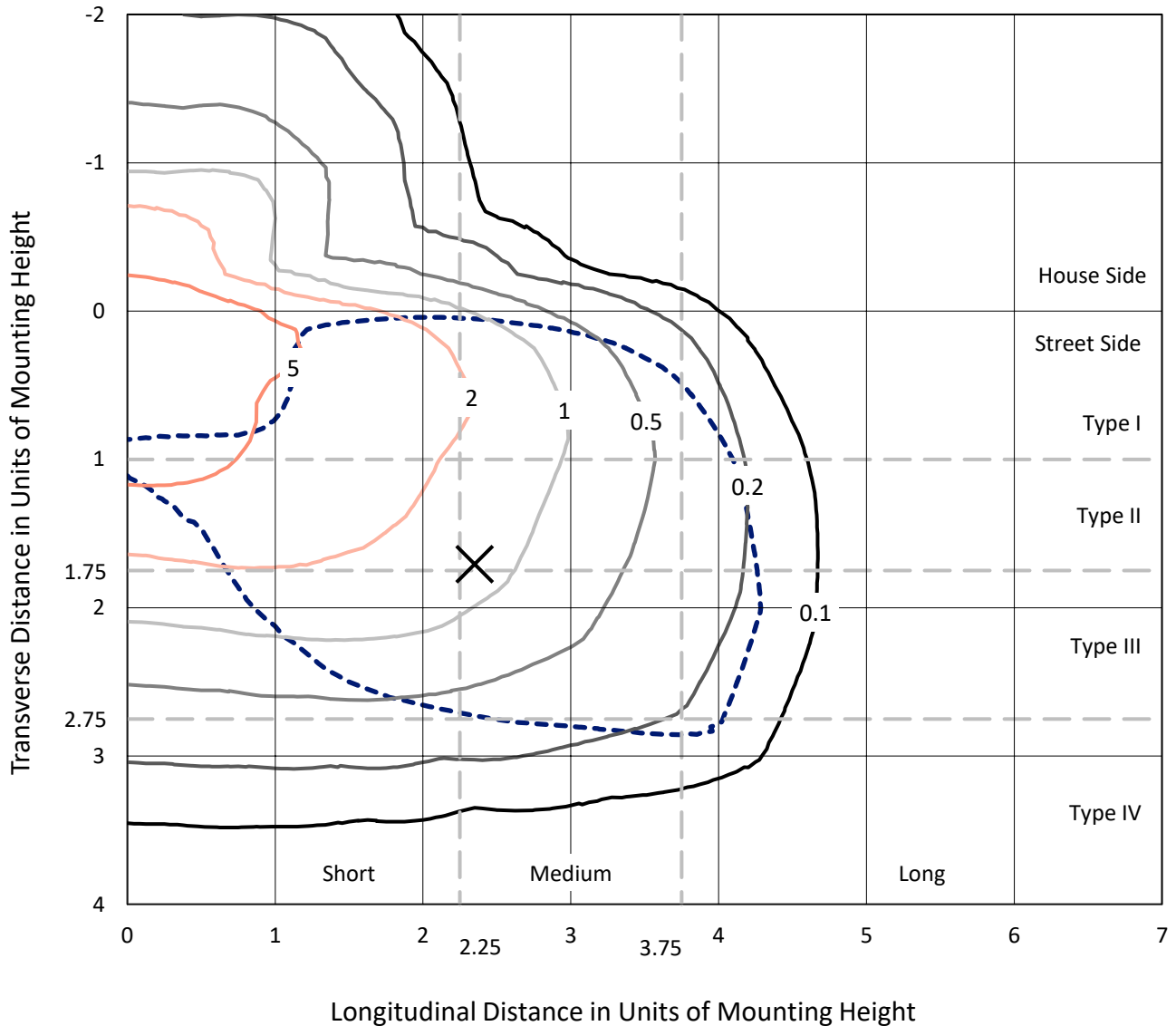
Input Watts (W): 243
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

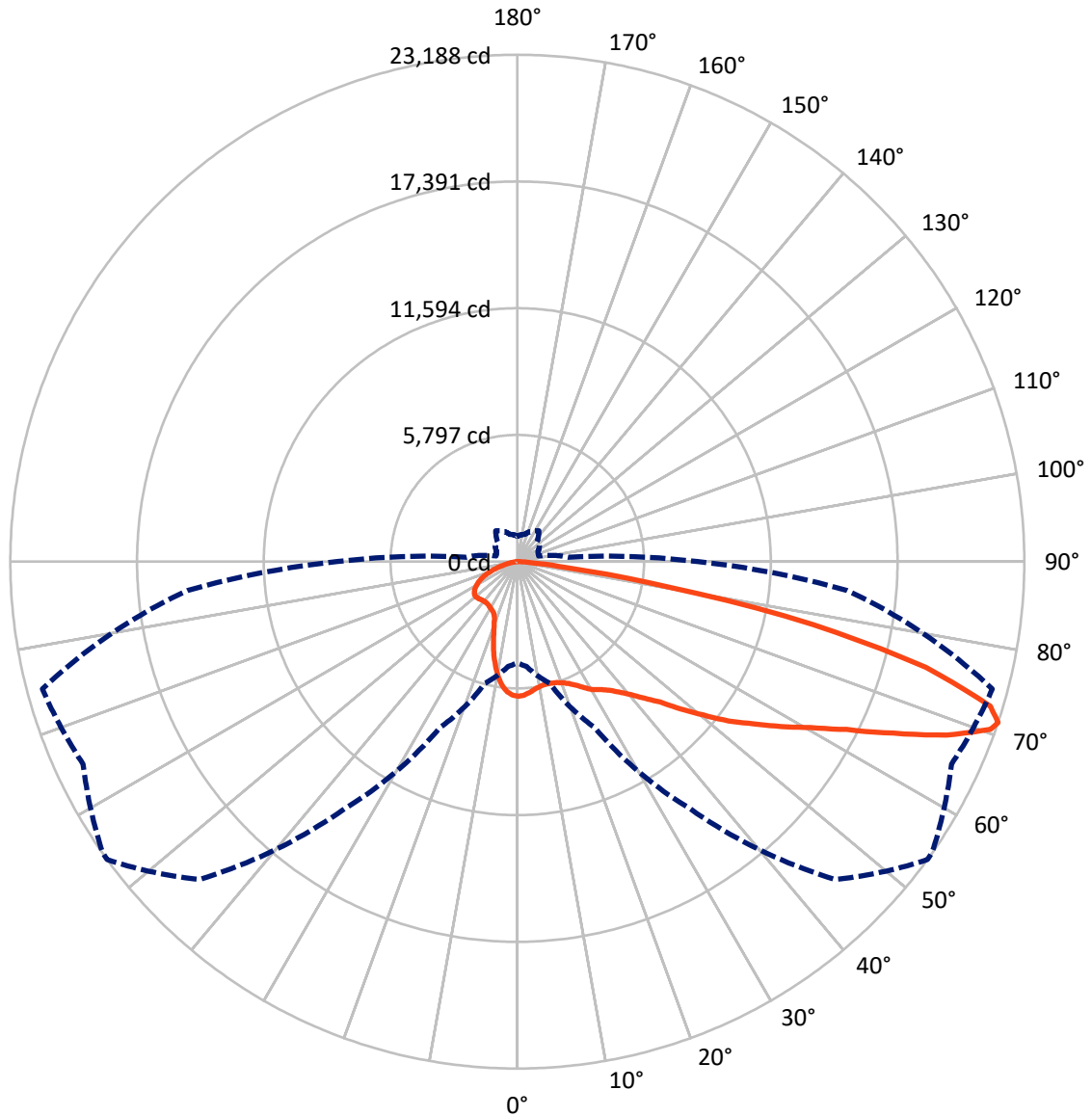
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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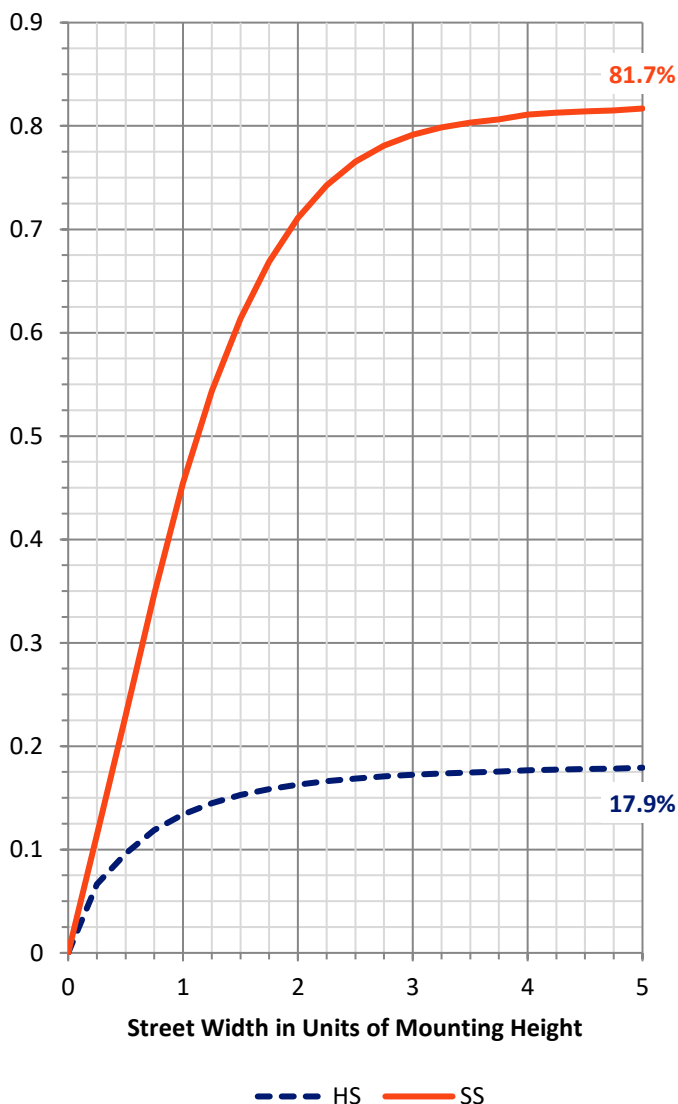
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 6234.2 | 0.0 | 6234.2 |
| | % Fixture | 18.1 | 0.0 | 18.1 |
| Street Side | Lumens | 28295.8 | 0.0 | 28295.8 |
| | % Fixture | 81.9 | 0.0 | 81.9 |
| Total | Lumens | 34530.0 | 0.0 | 34530.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 549.0 | 1.6 |
| 10°-20° | 1449.7 | 4.2 |
| 20°-30° | 2413.7 | 7.0 |
| 30°-40° | 3569.1 | 10.3 |
| 40°-50° | 5027.2 | 14.6 |
| 50°-60° | 6731.7 | 19.5 |
| 60°-70° | 8484.8 | 24.6 |
| 70°-80° | 5795.1 | 16.8 |
| 80°-90° | 509.6 | 1.5 |
| 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° | 34530.0 | 100.0 |
| 0°-180° | 34530.0 | 100.0 |

Coefficient of Utilization



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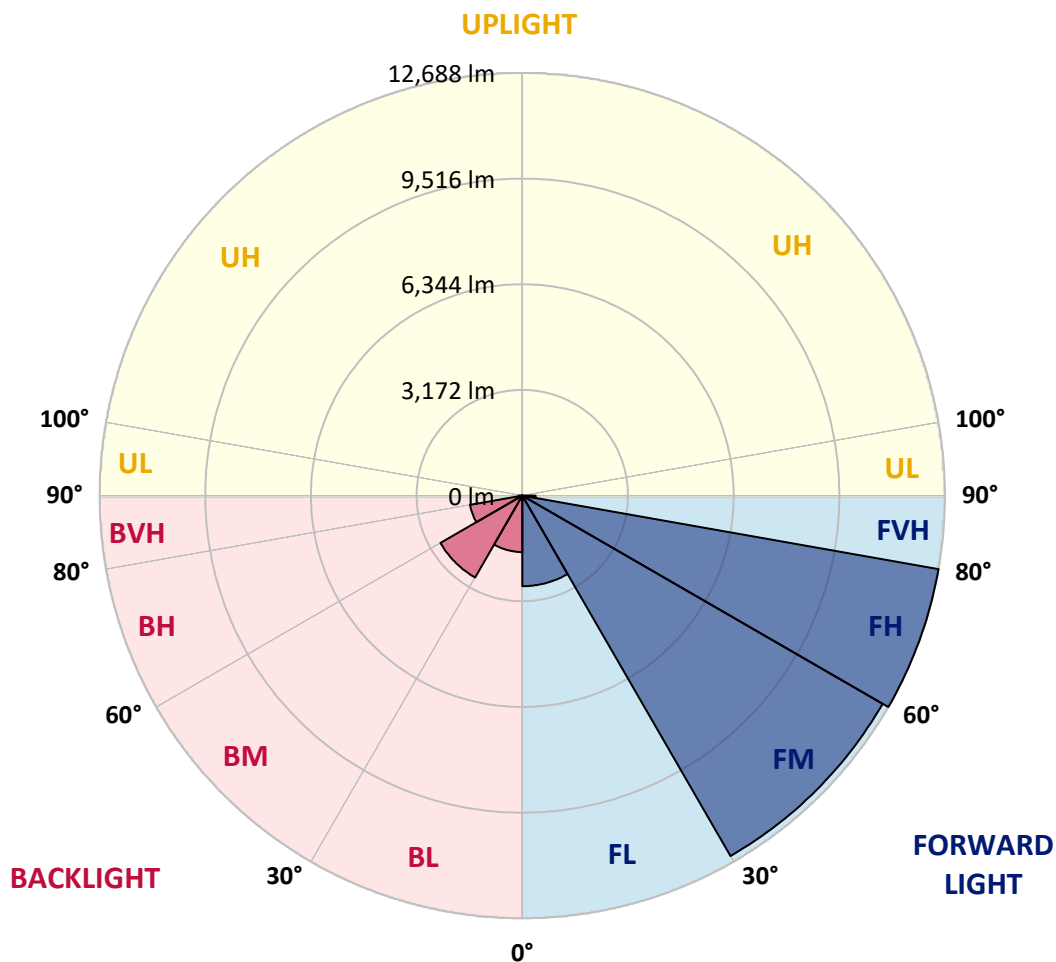
CATALOG NUMBER: GLAN-SA6B-760-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2718.1 | 7.9 | | | |
| FM (30°-60°) | 12491.7 | 36.2 | | | |
| FH (60°-80°) | 12687.7 | 36.7 | | | G5 |
| FVH (80°-90°) | 398.4 | 1.2 | | | G3/500 |
| BL (0°-30°) | 1694.3 | 4.9 | B3/2500 | | |
| BM (30°-60°) | 2836.4 | 8.2 | B3/5000 | | |
| BH (60°-80°) | 1592.2 | 4.6 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 111.3 | 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-G5

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 54° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 6160.7 | 6160.7 | 6160.7 | 6160.7 | 6160.7 | 6160.7 | 6160.7 | 6160.7 | 6160.7 | 6160.7 | 6160.7 |
| 2.5° | 5951.8 | 5979.7 | 5987.2 | 6005.9 | 6045.0 | 6076.7 | 6108.4 | 6104.7 | 6149.5 | 6168.1 | 6184.9 |
| 5° | 5686.9 | 5694.4 | 5722.3 | 5759.7 | 5828.7 | 5916.3 | 6002.1 | 6004.0 | 6114.0 | 6201.7 | 6244.6 |
| 7.5° | 5492.9 | 5517.2 | 5535.8 | 5575.0 | 5647.7 | 5742.9 | 5879.0 | 5890.2 | 6086.1 | 6259.5 | 6350.9 |
| 10° | 5366.1 | 5394.1 | 5414.6 | 5463.1 | 5535.8 | 5642.1 | 5789.5 | 5810.0 | 6065.5 | 6350.9 | 6511.3 |
| 12.5° | 5250.5 | 5278.4 | 5297.1 | 5360.5 | 5455.6 | 5586.2 | 5752.2 | 5776.4 | 6073.0 | 6457.2 | 6686.6 |
| 15° | 5321.3 | 5343.7 | 5336.3 | 5354.9 | 5418.3 | 5567.5 | 5767.1 | 5791.4 | 6101.0 | 6559.8 | 6860.1 |
| 17.5° | 5636.5 | 5655.2 | 5593.7 | 5522.8 | 5492.9 | 5603.0 | 5813.7 | 5839.9 | 6156.9 | 6666.1 | 7037.3 |
| 20° | 6101.0 | 6151.3 | 6017.0 | 5858.5 | 5714.9 | 5729.8 | 5910.7 | 5938.7 | 6235.3 | 6772.4 | 7218.2 |
| 22.5° | 6705.3 | 6742.6 | 6578.5 | 6317.3 | 6052.5 | 5916.3 | 6056.2 | 6073.0 | 6352.8 | 6910.5 | 7415.9 |
| 25° | 7415.9 | 7438.3 | 7210.8 | 6875.0 | 6492.7 | 6235.3 | 6255.8 | 6285.6 | 6546.8 | 7067.1 | 7591.3 |
| 27.5° | 8106.0 | 8176.9 | 7913.9 | 7503.6 | 7000.0 | 6571.0 | 6530.0 | 6548.6 | 6757.5 | 7154.8 | 7712.5 |
| 30° | 8924.8 | 8919.3 | 8641.3 | 8165.7 | 7520.4 | 6936.6 | 6789.2 | 6785.5 | 6871.3 | 7197.7 | 7800.1 |
| 32.5° | 9577.7 | 9654.1 | 9381.8 | 8863.3 | 8115.4 | 7315.2 | 6968.3 | 6960.8 | 6959.0 | 7272.3 | 7930.7 |
| 35° | 10320.0 | 10331.2 | 10081.3 | 9559.0 | 8758.8 | 7790.8 | 7218.2 | 7180.9 | 7138.0 | 7432.7 | 8107.9 |
| 37.5° | 10984.0 | 11036.2 | 10806.8 | 10221.1 | 9391.1 | 8285.1 | 7561.4 | 7537.2 | 7406.6 | 7710.6 | 8391.4 |
| 40° | 11502.5 | 11541.7 | 11403.7 | 10846.0 | 10014.1 | 8818.5 | 7997.9 | 7953.1 | 7794.6 | 8165.7 | 8770.0 |
| 42.5° | 11672.2 | 11752.4 | 11806.5 | 11532.4 | 10730.3 | 9450.8 | 8535.0 | 8479.1 | 8357.8 | 8855.8 | 9206.5 |
| 45° | 11685.3 | 11812.1 | 12097.5 | 12110.6 | 11450.3 | 10208.1 | 9161.7 | 9122.6 | 9113.2 | 9739.9 | 9820.1 |
| 47.5° | 11586.4 | 11715.1 | 12194.5 | 12453.8 | 12091.9 | 10972.8 | 10066.3 | 10004.8 | 10010.4 | 10832.9 | 10508.4 |
| 50° | 11347.7 | 11500.7 | 12082.6 | 12673.8 | 12593.6 | 11767.4 | 11021.3 | 11000.8 | 11116.4 | 12080.7 | 11222.7 |
| 52.5° | 10898.2 | 11082.9 | 11966.9 | 12811.9 | 12966.7 | 12451.9 | 12106.8 | 12049.0 | 12341.8 | 13434.8 | 12004.2 |
| 55° | 9654.1 | 9932.0 | 11543.5 | 12888.3 | 13321.1 | 13106.6 | 13084.2 | 13188.6 | 13576.6 | 14912.1 | 12864.1 |
| 57.5° | 9005.1 | 9213.9 | 10624.0 | 12901.4 | 13768.7 | 13867.6 | 14225.7 | 14251.8 | 14930.7 | 16480.7 | 13835.8 |
| 60° | 8650.7 | 8835.3 | 10120.4 | 12815.6 | 14393.5 | 14809.5 | 15393.3 | 15486.5 | 16253.1 | 18179.8 | 14843.0 |
| 62.5° | 8341.0 | 8499.6 | 9818.3 | 12519.0 | 15098.6 | 16206.5 | 16905.9 | 16950.7 | 17754.6 | 20056.2 | 15837.2 |
| 65° | 7611.8 | 7792.7 | 9210.2 | 12222.5 | 15706.6 | 17952.3 | 18912.8 | 18860.6 | 19353.0 | 21675.2 | 16460.1 |
| 67.5° | 6628.8 | 6858.2 | 8074.3 | 11198.5 | 16006.9 | 19860.4 | 21173.4 | 21108.2 | 20931.0 | 22736.4 | 16639.2 |
| 70° | 5373.6 | 5496.7 | 6621.4 | 9428.4 | 14807.6 | 20861.9 | 22958.4 | 22889.4 | 21908.3 | 22876.3 | 15792.4 |
| 71° | 4623.8 | 4815.9 | 5765.2 | 8374.6 | 13809.7 | 20556.1 | 23187.8 | 23169.2 | 21910.2 | 22490.2 | 15154.5 |
| 72.5° | 3609.1 | 3726.6 | 4565.9 | 6488.9 | 11737.5 | 18817.7 | 22620.8 | 22691.7 | 21434.6 | 21417.8 | 13839.6 |
| 75° | 2283.0 | 2335.2 | 2864.9 | 3819.9 | 6440.4 | 13326.7 | 19310.1 | 19502.2 | 19032.2 | 17530.8 | 10292.0 |
| 77.5° | 1326.1 | 1393.3 | 1716.0 | 2251.3 | 2782.8 | 7233.1 | 13817.2 | 14026.1 | 13224.1 | 9652.3 | 4213.4 |
| 80° | 772.2 | 846.8 | 1130.3 | 1307.5 | 1277.6 | 2684.0 | 7035.4 | 7391.7 | 5726.1 | 2437.8 | 1182.5 |
| 82.5° | 429.0 | 479.3 | 794.6 | 796.4 | 680.8 | 876.6 | 2214.0 | 2316.5 | 1633.9 | 982.9 | 483.1 |
| 85° | 311.5 | 352.5 | 512.9 | 464.4 | 326.4 | 376.8 | 770.3 | 807.6 | 660.3 | 414.1 | 156.7 |
| 87.5° | 110.0 | 156.7 | 281.6 | 223.8 | 89.5 | 78.3 | 222.0 | 180.9 | 167.9 | 115.6 | 35.4 |
| 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° | 6160.7 | 6160.7 | 6160.7 | 6160.7 | 6160.7 | 6160.7 | 6160.7 | 6160.7 | 6160.7 | 6160.7 | 6160.7 |
| 2.5° | 6194.2 | 6198.0 | 6179.3 | 6145.7 | 6112.2 | 6069.3 | 6020.8 | 5983.5 | 5966.7 | 5964.8 | 5963.0 |
| 5° | 6261.4 | 6270.7 | 6199.8 | 6095.4 | 5979.7 | 5838.0 | 5716.8 | 5578.7 | 5543.3 | 5487.3 | 5504.1 |
| 7.5° | 6369.6 | 6364.0 | 6224.1 | 6002.1 | 5731.7 | 5431.4 | 5177.7 | 5030.4 | 4877.4 | 4834.5 | 4836.4 |
| 10° | 6524.4 | 6488.9 | 6224.1 | 5811.9 | 5360.5 | 4914.7 | 4560.3 | 4336.5 | 4215.3 | 4114.6 | 4077.3 |
| 12.5° | 6688.5 | 6599.0 | 6164.4 | 5545.2 | 4883.0 | 4336.5 | 3956.0 | 3653.9 | 3575.5 | 3493.5 | 3495.3 |
| 15° | 6845.2 | 6696.0 | 6046.9 | 5170.3 | 4368.2 | 3719.2 | 3349.8 | 3168.9 | 3144.7 | 3154.0 | 3152.1 |
| 17.5° | 6986.9 | 6765.0 | 5867.8 | 4752.5 | 3767.6 | 3189.4 | 2993.6 | 3006.7 | 3071.9 | 3118.6 | 3124.2 |
| 20° | 7130.6 | 6806.0 | 5601.1 | 4192.9 | 3200.6 | 2868.6 | 2876.1 | 2978.7 | 3077.5 | 3140.9 | 3150.3 |
| 22.5° | 7266.7 | 6824.7 | 5287.8 | 3652.0 | 2790.3 | 2732.5 | 2842.5 | 2952.6 | 3049.6 | 3111.1 | 3120.4 |
| 25° | 7356.2 | 6781.8 | 4843.9 | 3086.9 | 2588.9 | 2684.0 | 2799.6 | 2892.9 | 2974.9 | 3038.4 | 3053.3 |
| 27.5° | 7380.5 | 6643.7 | 4293.6 | 2629.9 | 2495.6 | 2637.4 | 2743.7 | 2812.7 | 2876.1 | 2935.8 | 2947.0 |
| 30° | 7367.4 | 6440.4 | 3689.3 | 2361.3 | 2441.5 | 2583.3 | 2665.3 | 2715.7 | 2792.2 | 2838.8 | 2848.1 |
| 32.5° | 7346.9 | 6203.6 | 3058.9 | 2217.7 | 2396.7 | 2532.9 | 2581.4 | 2626.2 | 2624.3 | 2605.6 | 2618.7 |
| 35° | 7354.4 | 5920.1 | 2547.8 | 2131.9 | 2357.6 | 2495.6 | 2536.6 | 2480.7 | 2320.3 | 2312.8 | 2305.4 |
| 37.5° | 7393.5 | 5640.3 | 2176.7 | 2072.2 | 2337.1 | 2490.0 | 2512.4 | 2255.0 | 2113.2 | 2048.0 | 2031.2 |
| 40° | 7494.3 | 5313.9 | 1932.3 | 2027.4 | 2335.2 | 2532.9 | 2402.3 | 2141.2 | 1868.9 | 1742.1 | 1732.7 |
| 42.5° | 7628.6 | 4993.1 | 1783.1 | 1999.5 | 2357.6 | 2598.2 | 2357.6 | 1980.8 | 1684.3 | 1609.6 | 1598.5 |
| 45° | 7828.1 | 4625.6 | 1701.0 | 1986.4 | 2391.2 | 2622.4 | 2342.7 | 1863.3 | 1609.6 | 1550.0 | 1550.0 |
| 47.5° | 8053.8 | 4275.0 | 1656.3 | 1977.1 | 2434.0 | 2605.6 | 2210.2 | 1826.0 | 1574.2 | 1581.7 | 1617.1 |
| 50° | 8277.6 | 3971.0 | 1622.7 | 1956.6 | 2471.4 | 2596.3 | 2156.1 | 1824.1 | 1583.5 | 1678.7 | 1742.1 |
| 52.5° | 8536.9 | 3756.5 | 1581.7 | 1923.0 | 2471.4 | 2536.6 | 2139.4 | 1861.4 | 1609.6 | 1637.6 | 1665.6 |
| 55° | 8850.2 | 3689.3 | 1529.4 | 1850.3 | 2426.6 | 2387.4 | 2130.0 | 1915.5 | 1628.3 | 1563.0 | 1574.2 |
| 57.5° | 9264.3 | 3797.5 | 1479.1 | 1758.9 | 2324.0 | 2232.6 | 2126.3 | 1930.5 | 1585.4 | 1531.3 | 1520.1 |
| 60° | 9745.5 | 4012.0 | 1464.2 | 1665.6 | 2184.1 | 2100.2 | 2103.9 | 1887.6 | 1525.7 | 1469.8 | 1479.1 |
| 62.5° | 10083.1 | 4140.7 | 1454.8 | 1594.7 | 2031.2 | 1954.7 | 2049.8 | 1835.3 | 1499.6 | 1451.1 | 1460.4 |
| 65° | 10083.1 | 3984.0 | 1369.0 | 1486.5 | 1833.5 | 1779.4 | 1984.5 | 1770.0 | 1466.0 | 1410.1 | 1400.7 |
| 67.5° | 9700.8 | 3527.0 | 1238.5 | 1324.3 | 1615.2 | 1579.8 | 1893.1 | 1691.7 | 1415.7 | 1372.8 | 1350.4 |
| 70° | 8704.8 | 2674.7 | 1074.3 | 1134.0 | 1339.2 | 1370.9 | 1775.6 | 1585.4 | 1331.7 | 1279.5 | 1245.9 |
| 71° | 8266.4 | 2329.6 | 1005.3 | 1037.0 | 1232.9 | 1279.5 | 1719.7 | 1540.6 | 1294.4 | 1219.8 | 1160.1 |
| 72.5° | 7421.5 | 1962.2 | 900.9 | 913.9 | 1053.8 | 1137.8 | 1602.2 | 1454.8 | 1223.6 | 1117.2 | 1050.1 |
| 75° | 5638.4 | 1432.5 | 725.6 | 718.1 | 779.6 | 902.7 | 1356.0 | 1296.3 | 1072.5 | 928.9 | 889.7 |
| 77.5° | 2435.9 | 779.6 | 542.8 | 548.4 | 529.7 | 684.5 | 1066.9 | 1113.5 | 919.5 | 755.4 | 720.0 |
| 80° | 738.6 | 449.5 | 371.2 | 378.6 | 354.4 | 458.8 | 751.7 | 872.9 | 738.6 | 587.5 | 539.0 |
| 82.5° | 378.6 | 268.6 | 253.7 | 249.9 | 225.7 | 259.3 | 455.1 | 596.9 | 527.8 | 367.4 | 324.5 |
| 85° | 164.1 | 143.6 | 125.0 | 121.2 | 106.3 | 93.3 | 162.3 | 298.4 | 279.8 | 205.2 | 195.8 |
| 87.5° | 41.0 | 37.3 | 24.2 | 22.4 | 13.1 | 1.9 | 0.0 | 0.0 | 0.0 | 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)