

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: P531314

Luminaire Tested: **GLAN-SA6C-750-U-T3R-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531314  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6C-750-U-T3R-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 36393 lumens  
Efficiency: N/A  
Efficacy: 113.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G3

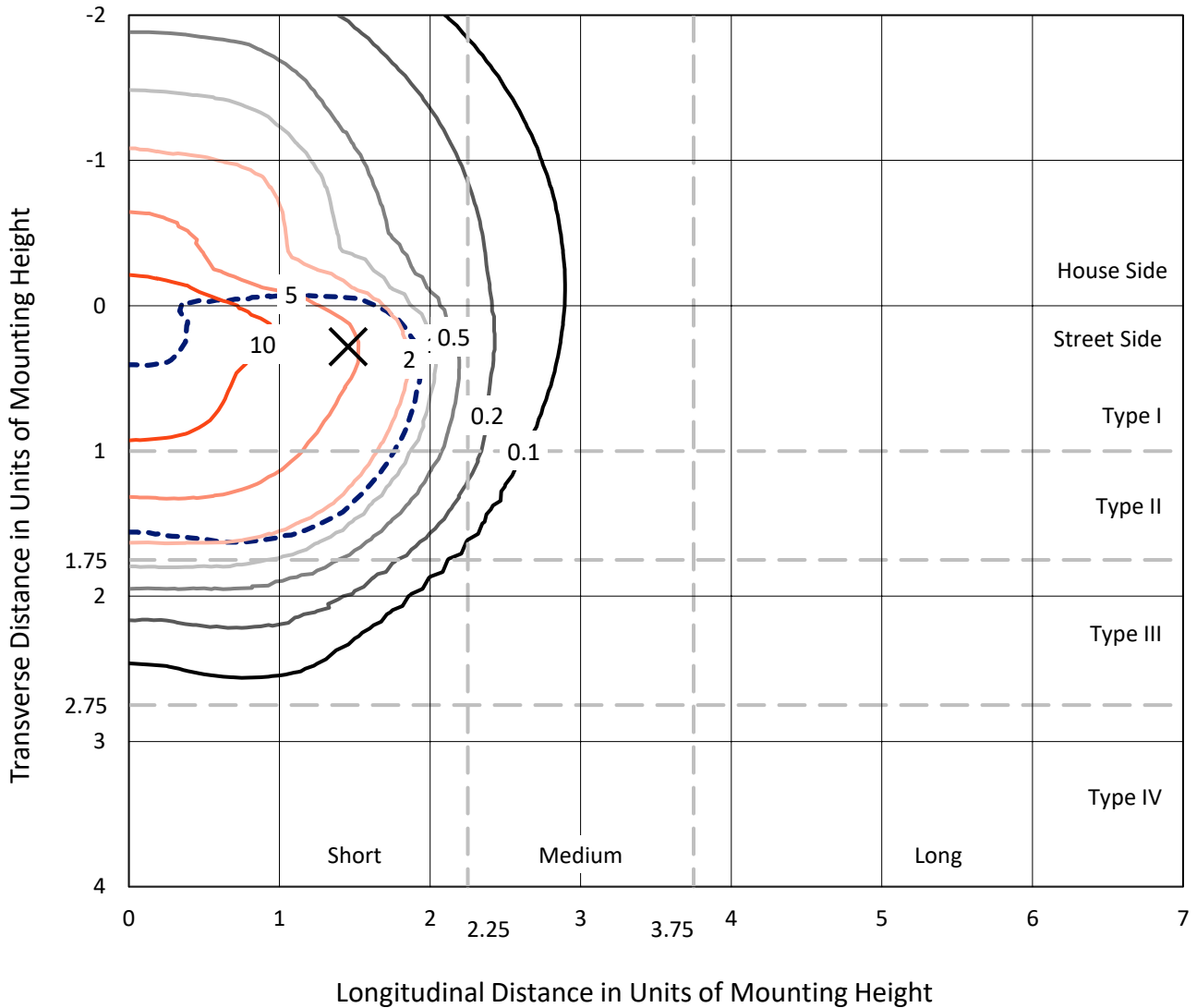
Input Watts (W): 321  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

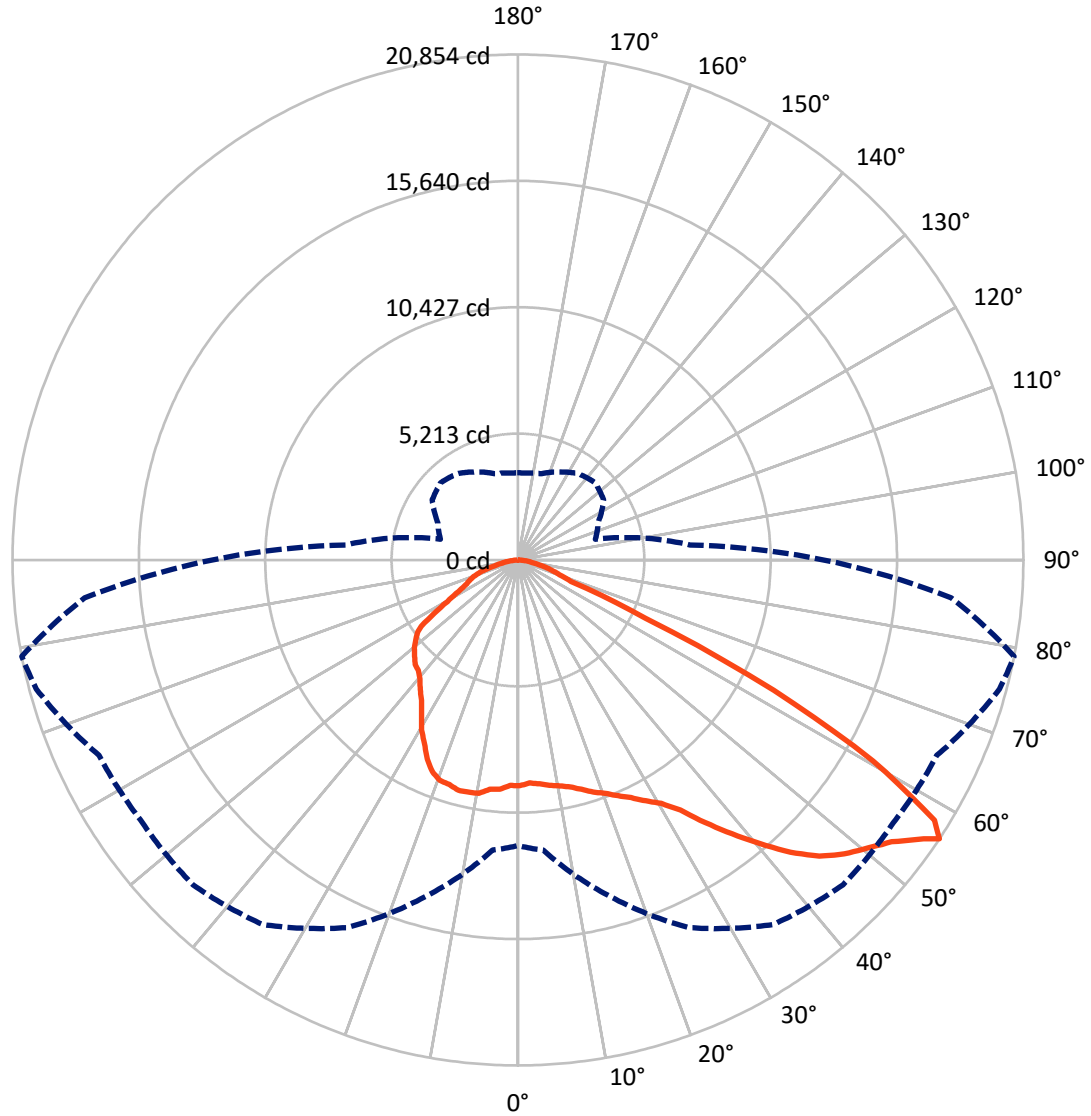
✕ Max cd  
 - - - 1/2 Max cd



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



— Vertical Plane Through 79-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 10747.6  | 0.0    | 10747.6 |
|                    | % Fixture | 29.5     | 0.0    | 29.5    |
| <b>Street Side</b> | Lumens    | 25645.3  | 0.0    | 25645.3 |
|                    | % Fixture | 70.5     | 0.0    | 70.5    |
| <b>Total</b>       | Lumens    | 36393.0  | 0.0    | 36393.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 846.6   | 2.3       |
| 10°-20°   | 2316.9  | 6.4       |
| 20°-30°   | 3963.8  | 10.9      |
| 30°-40°   | 6075.0  | 16.7      |
| 40°-50°   | 8210.3  | 22.6      |
| 50°-60°   | 9429.8  | 25.9      |
| 60°-70°   | 4298.4  | 11.8      |
| 70°-80°   | 1059.8  | 2.9       |
| 80°-90°   | 192.6   | 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°    | 36393.0 | 100.0     |
| 0°-180°   | 36393.0 | 100.0     |

**Coefficient of Utilization**



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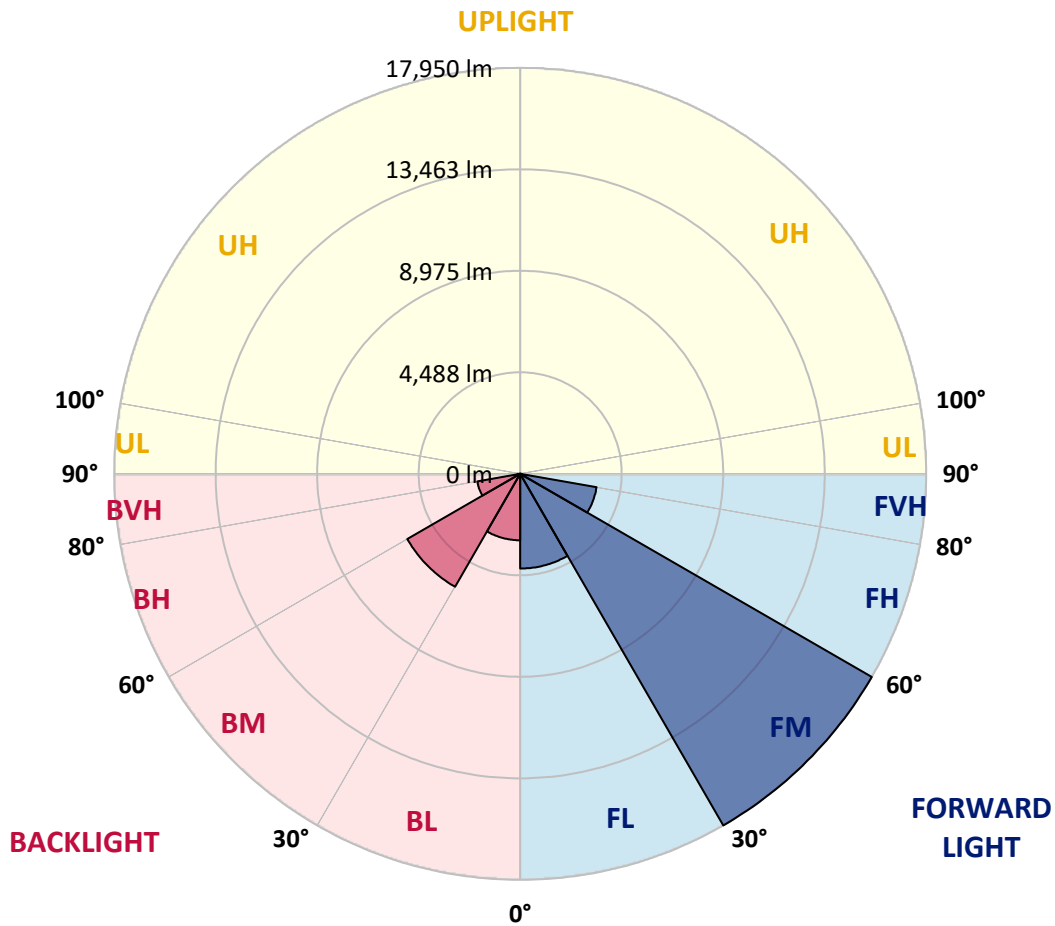
CATALOG NUMBER: GLAN-SA6C-750-U-T3R-GRSWH

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

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|---------|-----------|-------------------------|------|---------|
|                |         |           | B                       | U    | G       |
| FL (0°-30°)    | 4187.3  | 11.5      |                         |      |         |
| FM (30°-60°)   | 17950.1 | 49.3      |                         |      |         |
| FH (60°-80°)   | 3431.0  | 9.4       |                         |      | G2/5000 |
| FVH (80°-90°)  | 76.9    | 0.2       |                         |      | G1/100  |
| BL (0°-30°)    | 2939.9  | 8.1       | B4/5000                 |      |         |
| BM (30°-60°)   | 5764.9  | 15.8      | B4/8500                 |      |         |
| BH (60°-80°)   | 1927.1  | 5.3       | B3/2500                 |      | G3/2500 |
| BVH (80°-90°)  | 115.7   | 0.3       |                         |      | G2/225  |
| UL (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G3**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 79°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 9311.5  | 9311.5  | 9311.5  | 9311.5  | 9311.5  | 9311.5  | 9311.5  | 9311.5  | 9311.5  | 9311.5  | 9311.5  |
| 2.5°  | 8858.2  | 8835.5  | 8889.9  | 8930.7  | 8980.6  | 9044.1  | 9075.8  | 9093.9  | 9252.6  | 9211.8  | 9334.2  |
| 5°    | 8667.8  | 8608.9  | 8649.7  | 8681.4  | 8767.5  | 8844.6  | 8930.7  | 9066.7  | 9211.8  | 9275.3  | 9424.9  |
| 7.5°  | 8500.1  | 8468.3  | 8459.3  | 8481.9  | 8599.8  | 8699.5  | 8849.1  | 9048.6  | 9284.3  | 9388.6  | 9474.7  |
| 10°   | 8223.5  | 8178.2  | 8246.2  | 8395.8  | 8427.5  | 8636.1  | 8808.3  | 9093.9  | 9297.9  | 9479.3  | 9733.1  |
| 12.5° | 8101.1  | 8055.8  | 8069.4  | 8155.5  | 8377.7  | 8577.1  | 8781.1  | 9103.0  | 9533.7  | 9606.2  | 9946.2  |
| 15°   | 8296.1  | 8250.7  | 8264.3  | 8241.7  | 8454.7  | 8559.0  | 8880.9  | 9284.3  | 9696.9  | 9819.3  | 10181.9 |
| 17.5° | 8740.3  | 8744.9  | 8685.9  | 8636.1  | 8586.2  | 8808.3  | 9030.5  | 9393.1  | 9760.3  | 10068.6 | 10340.6 |
| 20°   | 9588.1  | 9438.5  | 9320.6  | 9039.5  | 8962.5  | 9057.7  | 9338.7  | 9687.8  | 10018.7 | 10272.6 | 10580.9 |
| 22.5° | 10240.9 | 10254.5 | 10086.7 | 9624.3  | 9456.6  | 9497.4  | 9737.7  | 10023.3 | 10385.9 | 10567.3 | 10920.9 |
| 25°   | 11188.3 | 11093.1 | 10911.8 | 10544.6 | 10168.3 | 10200.1 | 10376.9 | 10635.3 | 10735.0 | 10861.9 | 11247.3 |
| 27.5° | 12054.2 | 12081.4 | 11723.3 | 11378.7 | 10911.8 | 10821.1 | 11138.5 | 11183.8 | 11016.1 | 11256.3 | 11387.8 |
| 30°   | 12933.7 | 12911.0 | 12675.3 | 12271.8 | 11813.9 | 11832.1 | 11972.6 | 11750.5 | 11519.3 | 11650.7 | 11741.4 |
| 32.5° | 13844.9 | 13586.5 | 13577.4 | 13214.8 | 12865.7 | 12697.9 | 12525.7 | 12634.5 | 12276.3 | 12303.5 | 12217.4 |
| 35°   | 14574.8 | 14611.0 | 14402.5 | 14144.1 | 13971.8 | 13677.2 | 13205.7 | 13400.6 | 13332.6 | 13300.9 | 12929.2 |
| 37.5° | 15105.2 | 14964.6 | 15068.9 | 14982.8 | 14819.6 | 14452.4 | 13962.8 | 14148.6 | 14180.4 | 14334.5 | 13903.8 |
| 40°   | 15540.4 | 15481.4 | 15758.0 | 15803.3 | 15690.0 | 14896.6 | 14017.2 | 14570.2 | 15046.2 | 15381.7 | 14869.4 |
| 42.5° | 15748.9 | 15875.8 | 16166.0 | 16515.0 | 16261.2 | 15413.4 | 14298.2 | 14892.1 | 15952.9 | 16483.3 | 15785.2 |
| 45°   | 16030.0 | 15866.8 | 16297.4 | 16936.6 | 16941.2 | 15848.6 | 14570.2 | 15327.3 | 16660.1 | 17430.8 | 16410.8 |
| 47.5° | 15744.4 | 15826.0 | 16270.2 | 17081.7 | 17290.2 | 16306.5 | 15304.6 | 15943.8 | 17439.8 | 18124.4 | 16991.0 |
| 50°   | 15105.2 | 15268.4 | 16079.8 | 16923.0 | 17553.2 | 16791.6 | 16147.8 | 16610.2 | 18160.7 | 18682.0 | 17086.2 |
| 52.5° | 14438.8 | 14529.4 | 15798.8 | 17045.4 | 17671.0 | 17417.2 | 17276.6 | 17530.5 | 19040.1 | 19312.1 | 17204.1 |
| 55°   | 12625.4 | 13056.1 | 14869.4 | 16991.0 | 18246.8 | 18546.0 | 18437.2 | 18808.9 | 20037.5 | 20309.5 | 17847.9 |
| 56°   | 11786.7 | 12013.4 | 14311.8 | 16737.2 | 18360.1 | 18958.5 | 18904.1 | 19071.9 | 20567.9 | 20853.5 | 17947.6 |
| 57.5° | 10236.3 | 10254.5 | 12203.8 | 15612.9 | 17934.0 | 19080.9 | 19026.5 | 19158.0 | 20463.6 | 20268.7 | 17072.6 |
| 60°   | 6405.6  | 6686.7  | 8305.1  | 12008.9 | 15250.2 | 17702.8 | 18011.1 | 16954.8 | 17254.0 | 16841.4 | 13282.8 |
| 62.5° | 3318.4  | 3277.6  | 4352.0  | 7022.2  | 10123.0 | 12675.3 | 12960.9 | 12911.0 | 12448.6 | 11845.7 | 8676.9  |
| 65°   | 1654.7  | 1663.7  | 2275.7  | 3477.1  | 5186.2  | 6636.8  | 7434.7  | 7520.8  | 6292.3  | 5789.1  | 4116.3  |
| 67.5° | 1201.3  | 1246.7  | 1636.5  | 2126.1  | 2443.5  | 2733.6  | 3350.2  | 3286.7  | 2488.8  | 2366.4  | 2194.1  |
| 70°   | 933.9   | 974.7   | 1328.3  | 1622.9  | 1473.3  | 1473.3  | 1604.8  | 1659.2  | 1772.5  | 1822.4  | 1881.3  |
| 72.5° | 680.0   | 711.7   | 1015.5  | 1119.7  | 965.6   | 1038.1  | 1201.3  | 1328.3  | 1446.1  | 1464.3  | 1532.3  |
| 75°   | 466.9   | 494.1   | 666.4   | 616.5   | 580.3   | 716.3   | 879.5   | 997.3   | 1083.5  | 1128.8  | 1169.6  |
| 77.5° | 303.7   | 312.8   | 380.8   | 321.9   | 371.7   | 462.4   | 571.2   | 670.9   | 757.1   | 793.3   | 802.4   |
| 80°   | 136.0   | 149.6   | 163.2   | 204.0   | 258.4   | 330.9   | 408.0   | 489.6   | 544.0   | 557.6   | 584.8   |
| 82.5° | 77.1    | 77.1    | 99.7    | 145.1   | 190.4   | 240.3   | 294.7   | 353.6   | 417.1   | 430.7   | 426.1   |
| 85°   | 40.8    | 40.8    | 58.9    | 86.1    | 117.9   | 140.5   | 136.0   | 140.5   | 149.6   | 172.3   | 167.7   |
| 87.5° | 13.6    | 13.6    | 18.1    | 18.1    | 22.7    | 27.2    | 22.7    | 31.7    | 40.8    | 40.8    | 40.8    |
| 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°    | 9311.5  | 9311.5  | 9311.5 | 9311.5 | 9311.5 | 9311.5 | 9311.5 | 9311.5 | 9311.5 | 9311.5 | 9311.5 |
| 2.5°  | 9297.9  | 9338.7  | 9284.3 | 9402.2 | 9402.2 | 9379.5 | 9266.2 | 9302.5 | 9329.7 | 9329.7 | 9352.3 |
| 5°    | 9474.7  | 9461.1  | 9497.4 | 9356.9 | 9270.7 | 9239.0 | 9053.1 | 8962.5 | 8885.4 | 8880.9 | 8812.9 |
| 7.5°  | 9574.5  | 9538.2  | 9524.6 | 9420.3 | 9039.5 | 8808.3 | 8409.4 | 8178.2 | 8128.3 | 7951.5 | 8019.5 |
| 10°   | 9733.1  | 9801.1  | 9733.1 | 9166.5 | 8636.1 | 8105.7 | 7715.8 | 7357.6 | 7217.1 | 7103.8 | 7035.8 |
| 12.5° | 10059.5 | 10027.8 | 9633.4 | 8867.3 | 8123.8 | 7493.6 | 6913.4 | 6537.1 | 6396.6 | 6296.8 | 6287.8 |
| 15°   | 10336.1 | 10177.4 | 9574.5 | 8395.8 | 7325.9 | 6655.0 | 6179.0 | 5911.5 | 5848.0 | 5857.1 | 5897.9 |
| 17.5° | 10431.3 | 10322.5 | 9266.2 | 7906.2 | 6732.0 | 5943.2 | 5721.1 | 5680.3 | 5739.2 | 5807.2 | 5825.4 |
| 20°   | 10580.9 | 10408.6 | 9139.3 | 7239.8 | 5997.6 | 5499.0 | 5485.4 | 5630.4 | 5739.2 | 5839.0 | 5852.6 |
| 22.5° | 10893.7 | 10458.5 | 8726.7 | 6609.6 | 5494.4 | 5367.5 | 5499.0 | 5621.4 | 5789.1 | 5870.7 | 5798.2 |
| 25°   | 10984.3 | 10349.7 | 8146.5 | 5852.6 | 5177.1 | 5285.9 | 5426.4 | 5594.2 | 5712.0 | 5757.4 | 5789.1 |
| 27.5° | 11061.4 | 10181.9 | 7362.2 | 5349.4 | 5077.4 | 5281.4 | 5426.4 | 5567.0 | 5630.4 | 5671.2 | 5707.5 |
| 30°   | 11279.0 | 10132.1 | 6682.2 | 5013.9 | 5013.9 | 5190.7 | 5376.6 | 5412.8 | 5499.0 | 5548.8 | 5612.3 |
| 32.5° | 11387.8 | 9787.5  | 5984.0 | 4800.8 | 4950.4 | 5236.0 | 5249.6 | 5317.6 | 5322.2 | 5363.0 | 5295.0 |
| 35°   | 11673.4 | 9542.7  | 5335.8 | 4646.7 | 4977.6 | 5190.7 | 5258.7 | 5217.9 | 4995.8 | 4887.0 | 4909.6 |
| 37.5° | 11881.9 | 9420.3  | 4868.8 | 4628.6 | 4982.2 | 5240.6 | 5276.8 | 4968.6 | 4737.4 | 4556.0 | 4601.4 |
| 40°   | 12444.1 | 9116.6  | 4515.2 | 4596.8 | 5023.0 | 5295.0 | 5195.2 | 4859.8 | 4442.7 | 4256.8 | 4225.1 |
| 42.5° | 12874.8 | 8899.0  | 4293.1 | 4560.6 | 5054.7 | 5372.0 | 5154.4 | 4642.2 | 4216.0 | 4043.8 | 4089.1 |
| 45°   | 13373.4 | 8849.1  | 4175.2 | 4569.6 | 5109.1 | 5412.8 | 5104.6 | 4474.4 | 4021.1 | 3953.1 | 3939.5 |
| 47.5° | 13550.2 | 8491.0  | 4048.3 | 4492.6 | 5095.5 | 5399.2 | 4936.8 | 4347.5 | 3948.6 | 3957.6 | 3993.9 |
| 50°   | 13255.6 | 8123.8  | 3953.1 | 4333.9 | 5004.8 | 5276.8 | 4673.9 | 4179.8 | 3907.8 | 4021.1 | 4084.6 |
| 52.5° | 12879.3 | 7747.5  | 3758.2 | 4120.8 | 4819.0 | 5086.4 | 4551.5 | 4170.7 | 3867.0 | 3830.7 | 3844.3 |
| 55°   | 12992.6 | 7439.2  | 3486.2 | 3830.7 | 4519.8 | 4732.8 | 4415.5 | 4084.6 | 3767.2 | 3631.2 | 3676.6 |
| 56°   | 12625.4 | 7121.9  | 3309.4 | 3649.4 | 4315.8 | 4506.2 | 4347.5 | 4007.5 | 3685.6 | 3595.0 | 3595.0 |
| 57.5° | 11587.3 | 6056.6  | 3078.2 | 3359.2 | 3885.1 | 4111.8 | 4216.0 | 3962.2 | 3595.0 | 3436.3 | 3440.8 |
| 60°   | 8545.4  | 4306.7  | 2760.8 | 2960.3 | 3218.7 | 3400.0 | 3885.1 | 3835.2 | 3368.3 | 3259.5 | 3218.7 |
| 62.5° | 5267.8  | 3146.2  | 2534.1 | 2611.2 | 2742.7 | 2892.3 | 3391.0 | 3472.6 | 3128.0 | 3010.2 | 2983.0 |
| 65°   | 2951.2  | 2407.2  | 2361.9 | 2393.6 | 2457.1 | 2534.1 | 2815.2 | 2996.6 | 2760.8 | 2579.5 | 2570.4 |
| 67.5° | 2157.9  | 2153.3  | 2189.6 | 2216.8 | 2244.0 | 2244.0 | 2312.0 | 2384.5 | 2352.8 | 2207.7 | 2194.1 |
| 70°   | 1917.6  | 1931.2  | 1958.4 | 1962.9 | 1972.0 | 1940.3 | 1885.9 | 1863.2 | 1899.5 | 1808.8 | 1790.7 |
| 72.5° | 1582.1  | 1627.5  | 1659.2 | 1663.7 | 1613.9 | 1573.1 | 1500.5 | 1423.5 | 1396.3 | 1378.1 | 1373.6 |
| 75°   | 1214.9  | 1246.7  | 1260.3 | 1255.7 | 1237.6 | 1178.7 | 1092.5 | 1015.5 | 965.6  | 911.2  | 938.4  |
| 77.5° | 820.5   | 865.9   | 888.5  | 888.5  | 861.3  | 770.7  | 729.9  | 670.9  | 621.1  | 562.1  | 571.2  |
| 80°   | 575.7   | 607.5   | 643.7  | 639.2  | 593.9  | 548.5  | 489.6  | 435.2  | 394.4  | 349.1  | 344.5  |
| 82.5° | 430.7   | 448.8   | 466.9  | 457.9  | 426.1  | 380.8  | 340.0  | 290.1  | 244.8  | 213.1  | 213.1  |
| 85°   | 154.1   | 167.7   | 204.0  | 213.1  | 231.2  | 231.2  | 194.9  | 163.2  | 131.5  | 108.8  | 108.8  |
| 87.5° | 45.3    | 45.3    | 49.9   | 49.9   | 45.3   | 49.9   | 40.8   | 45.3   | 49.9   | 31.7   | 31.7   |
| 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)