

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: P319410

Luminaire Tested: **GAN-SA6C-750-U-SL2**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P319410  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA6C-750-U-SL2  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 41443 lumens  
Efficiency: N/A  
Efficacy: 124.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B4 - U0 - G5

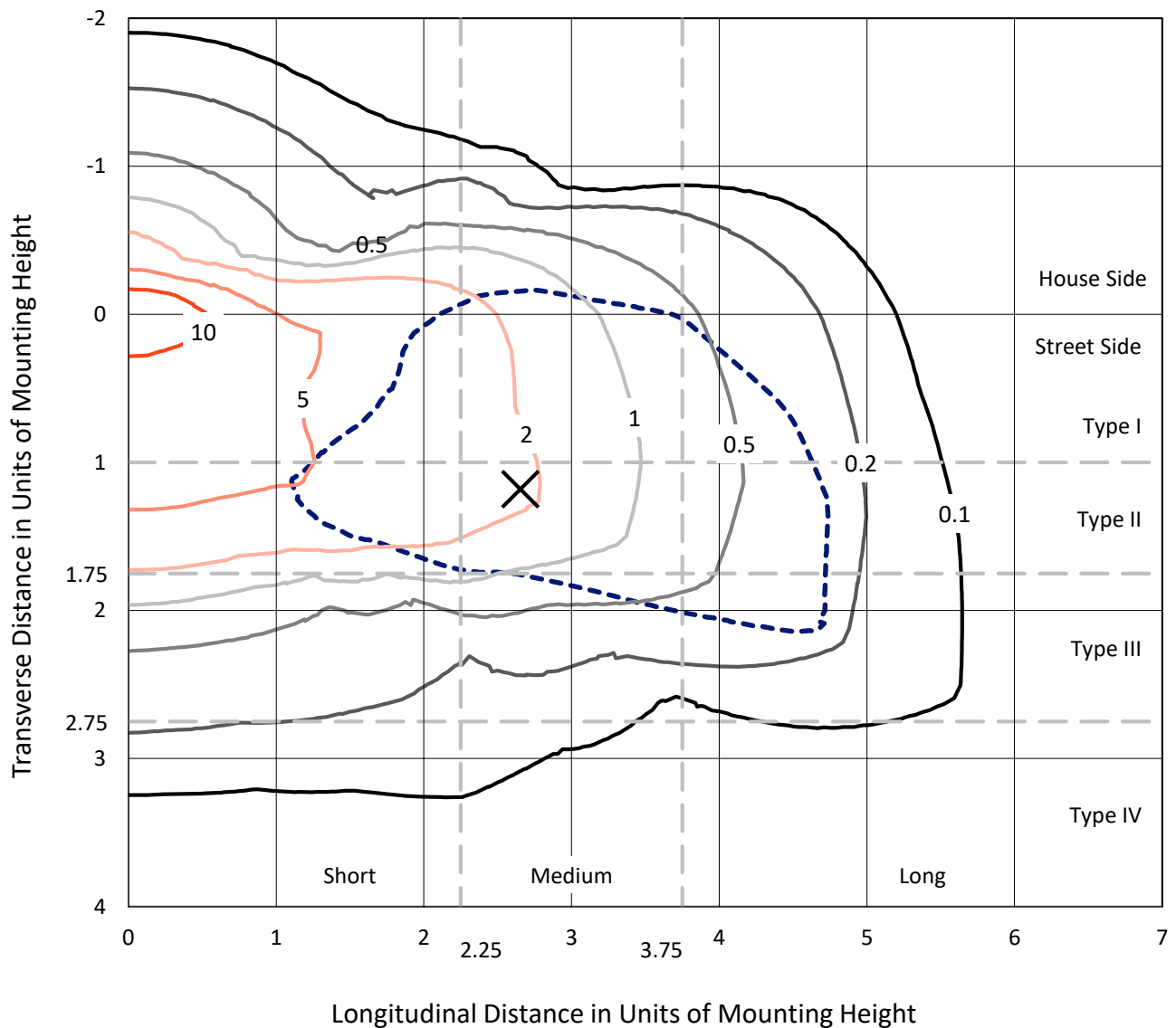
Input Watts (W): 333  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

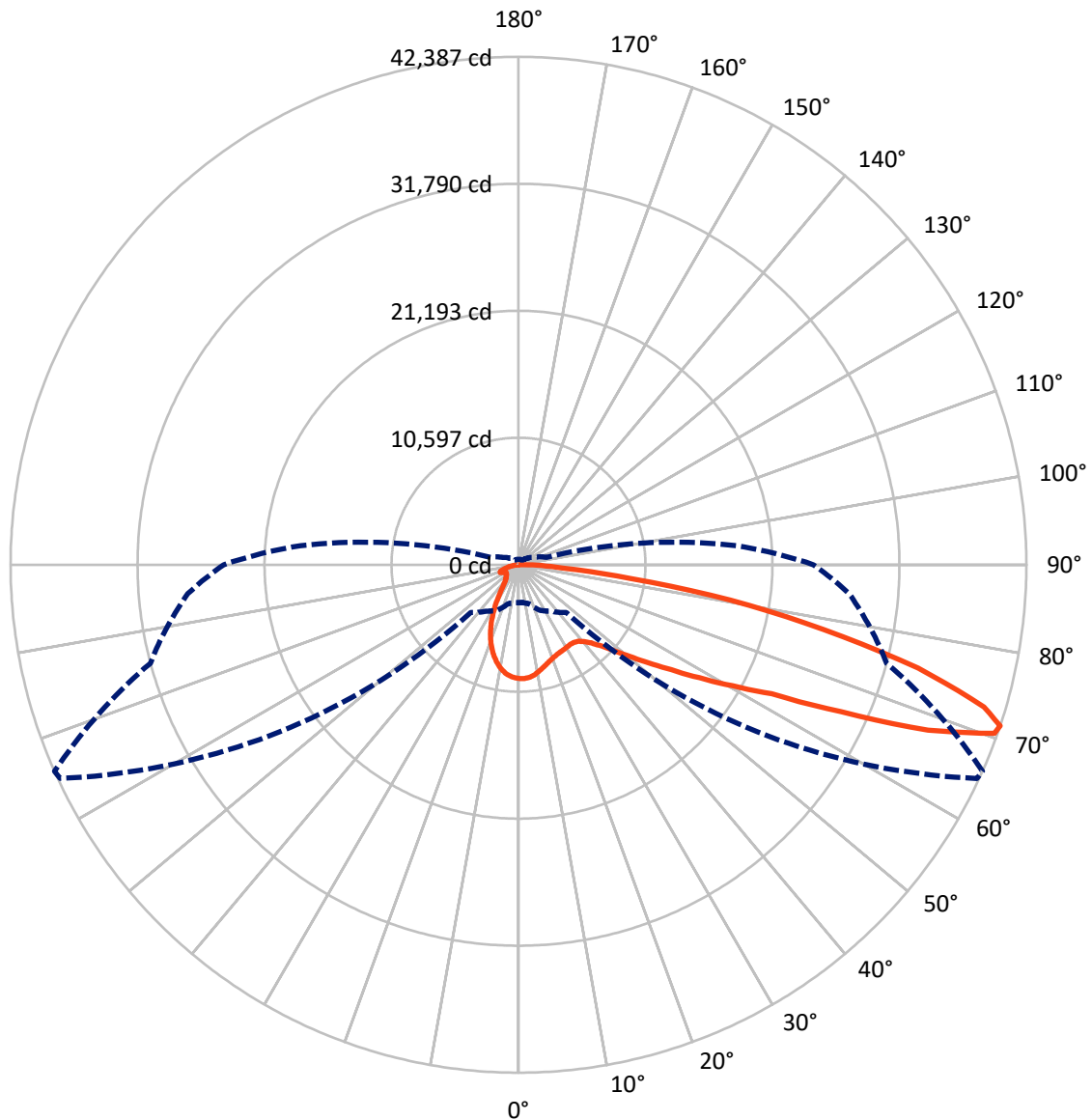
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.2 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 71-Deg Vertical

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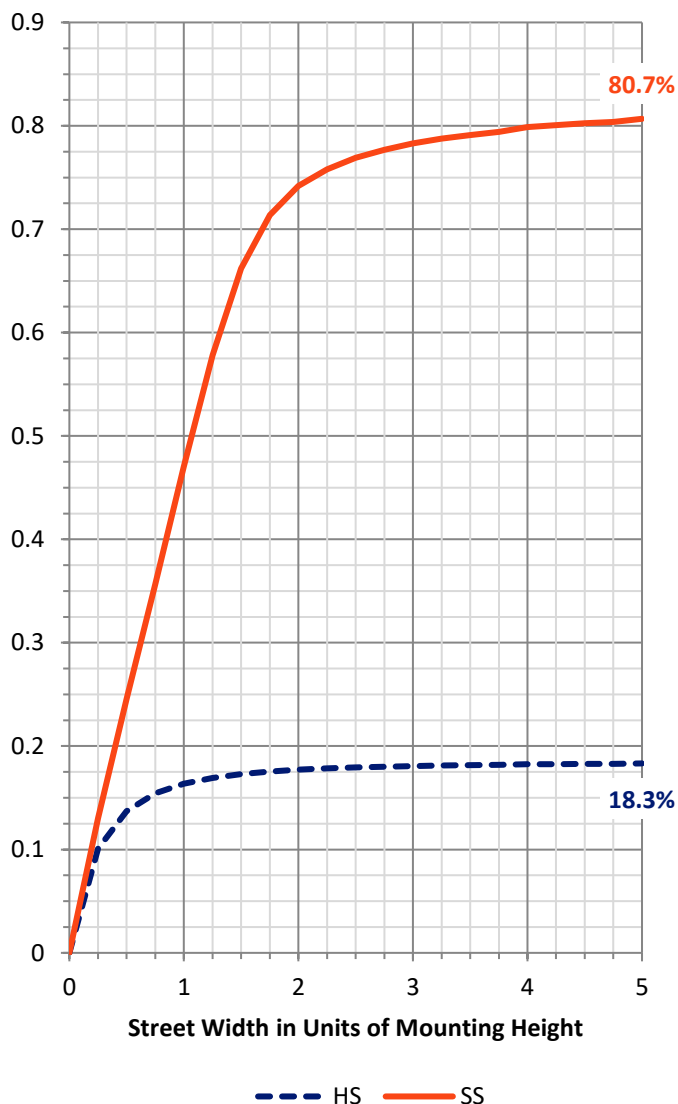
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7680.5   | 0.0    | 7680.5  |
|                    | % Fixture | 18.5     | 0.0    | 18.5    |
| <b>Street Side</b> | Lumens    | 33762.5  | 0.0    | 33762.5 |
|                    | % Fixture | 81.5     | 0.0    | 81.5    |
| <b>Total</b>       | Lumens    | 41443.0  | 0.0    | 41443.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 835.7   | 2.0       |
| 10°-20°   | 2004.3  | 4.8       |
| 20°-30°   | 2692.3  | 6.5       |
| 30°-40°   | 3541.7  | 8.5       |
| 40°-50°   | 5152.2  | 12.4      |
| 50°-60°   | 8048.3  | 19.4      |
| 60°-70°   | 10081.8 | 24.3      |
| 70°-80°   | 7690.2  | 18.6      |
| 80°-90°   | 1396.5  | 3.4       |
| 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°    | 41443.0 | 100.0     |
| 0°-180°   | 41443.0 | 100.0     |

**Coefficient of Utilization**

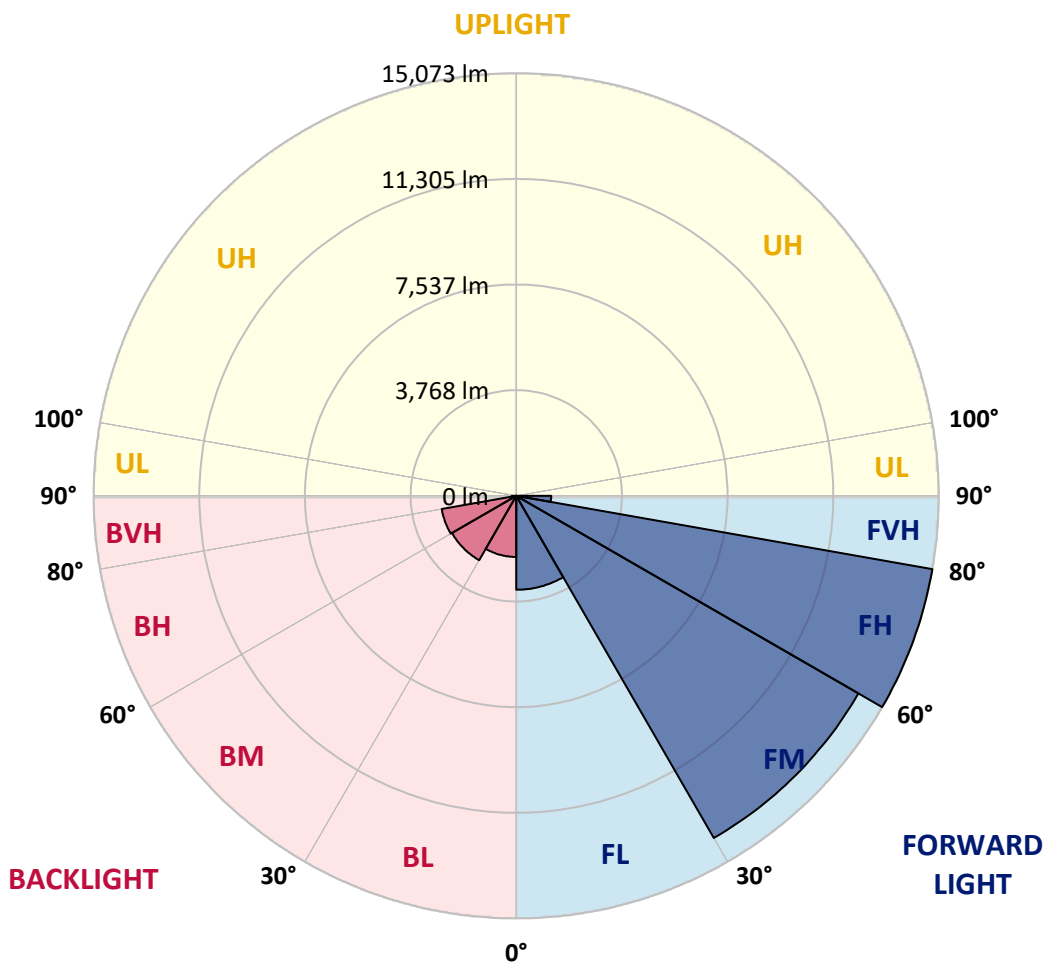


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|---------|-----------|-------------------------|------|---------|
|                |         |           | B                       | U    | G       |
| FL (0°-30°)    | 3351.2  | 8.1       |                         |      |         |
| FM (30°-60°)   | 14092.7 | 34.0      |                         |      |         |
| FH (60°-80°)   | 15073.3 | 36.4      |                         |      | G5      |
| FVH (80°-90°)  | 1245.3  | 3.0       |                         |      | G5      |
| BL (0°-30°)    | 2181.1  | 5.3       | B3/2500                 |      |         |
| BM (30°-60°)   | 2649.5  | 6.4       | B3/5000                 |      |         |
| BH (60°-80°)   | 2698.8  | 6.5       | B4/5000                 |      | G4/5000 |
| BVH (80°-90°)  | 151.2   | 0.4       |                         |      | G2/225  |
| UL (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G5**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 66°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 9493.8  | 9493.8  | 9493.8  | 9493.8  | 9493.8  | 9493.8  | 9493.8  | 9493.8  | 9493.8  | 9493.8  | 9493.8  |
| 2.5°  | 9317.8  | 9303.5  | 9346.4  | 9390.8  | 9407.9  | 9436.6  | 9479.5  | 9503.8  | 9502.4  | 9506.7  | 9492.4  |
| 5°    | 8699.7  | 8681.1  | 8766.9  | 8837.0  | 8971.5  | 9123.2  | 9307.8  | 9439.4  | 9442.3  | 9516.7  | 9536.7  |
| 7.5°  | 8114.4  | 8101.6  | 8200.3  | 8313.3  | 8469.3  | 8701.1  | 9000.1  | 9283.5  | 9300.6  | 9502.4  | 9572.5  |
| 10°   | 7645.1  | 7642.2  | 7738.1  | 7861.2  | 8042.9  | 8301.9  | 8645.3  | 9060.2  | 9086.0  | 9433.7  | 9578.2  |
| 12.5° | 7278.8  | 7284.5  | 7367.5  | 7507.7  | 7699.5  | 7969.9  | 8341.9  | 8809.8  | 8851.3  | 9324.9  | 9545.3  |
| 15°   | 7008.4  | 7031.3  | 7098.5  | 7240.2  | 7429.1  | 7703.8  | 8085.8  | 8578.0  | 8641.0  | 9203.3  | 9526.7  |
| 17.5° | 6853.8  | 6879.6  | 6926.8  | 7044.1  | 7221.6  | 7486.3  | 7848.3  | 8387.7  | 8445.0  | 9110.3  | 9528.1  |
| 20°   | 6808.1  | 6829.5  | 6856.7  | 6928.2  | 7078.5  | 7318.9  | 7660.9  | 8216.0  | 8277.6  | 9035.9  | 9542.4  |
| 22.5° | 6898.2  | 6913.9  | 6916.8  | 6911.1  | 7002.7  | 7198.7  | 7524.9  | 8090.1  | 8155.9  | 8987.3  | 9552.5  |
| 25°   | 7091.4  | 7112.8  | 7097.1  | 7044.1  | 7014.1  | 7134.3  | 7454.8  | 8007.1  | 8072.9  | 8951.5  | 9532.4  |
| 27.5° | 7381.8  | 7384.7  | 7371.8  | 7303.1  | 7161.5  | 7141.4  | 7433.3  | 7958.5  | 8021.4  | 8910.0  | 9490.9  |
| 30°   | 7776.8  | 7795.4  | 7772.5  | 7679.5  | 7447.7  | 7255.9  | 7459.1  | 7911.3  | 7968.5  | 8857.1  | 9423.7  |
| 32.5° | 8238.9  | 8284.7  | 8283.3  | 8186.0  | 7854.0  | 7512.0  | 7565.0  | 7882.6  | 7927.0  | 8801.3  | 9342.1  |
| 35°   | 8718.3  | 8781.2  | 8898.5  | 8857.1  | 8446.4  | 7917.0  | 7768.2  | 7928.4  | 7958.5  | 8794.1  | 9284.9  |
| 37.5° | 9216.2  | 9279.2  | 9521.0  | 9632.6  | 9151.8  | 8496.5  | 8088.7  | 8090.1  | 8104.4  | 8881.4  | 9280.6  |
| 40°   | 9737.0  | 9804.3  | 10167.7 | 10458.2 | 10066.1 | 9230.5  | 8605.2  | 8427.8  | 8412.1  | 9096.0  | 9365.0  |
| 42.5° | 10466.8 | 10526.9 | 10963.3 | 11333.9 | 11080.6 | 10170.6 | 9319.2  | 8948.6  | 8915.7  | 9516.7  | 9635.4  |
| 45°   | 11389.7 | 11441.2 | 11904.8 | 12301.1 | 12170.9 | 11243.7 | 10216.4 | 9665.5  | 9659.8  | 10217.8 | 10183.5 |
| 47.5° | 12487.2 | 12527.2 | 12943.6 | 13327.1 | 13374.3 | 12478.6 | 11343.9 | 10771.6 | 10678.5 | 11179.3 | 11032.0 |
| 50°   | 13630.4 | 13674.8 | 13958.1 | 14370.2 | 14720.7 | 14131.2 | 12794.8 | 12126.6 | 12002.1 | 12448.5 | 12233.9 |
| 52.5° | 14387.3 | 14446.0 | 14692.1 | 15214.4 | 16234.6 | 15942.7 | 14510.4 | 13769.2 | 13580.3 | 13986.7 | 13822.2 |
| 55°   | 14049.7 | 14181.3 | 14557.6 | 15394.7 | 17445.1 | 18710.0 | 16626.7 | 15685.1 | 15471.9 | 15809.6 | 15712.3 |
| 57.5° | 12514.3 | 12694.6 | 13208.3 | 14500.4 | 17615.4 | 21148.2 | 19826.1 | 17941.6 | 17791.4 | 17694.1 | 17738.4 |
| 60°   | 9708.4  | 9881.6  | 10518.3 | 12202.4 | 16429.2 | 22928.2 | 24640.9 | 20723.2 | 20505.7 | 19585.7 | 19625.7 |
| 62.5° | 6871.0  | 6783.7  | 7220.1  | 8452.1  | 13350.0 | 23137.1 | 30119.7 | 24443.5 | 23728.0 | 21583.2 | 21407.2 |
| 65°   | 5239.8  | 5219.8  | 5415.8  | 5807.9  | 8085.8  | 20637.4 | 33383.5 | 30696.3 | 29578.8 | 23932.6 | 23517.7 |
| 67.5° | 4305.5  | 4269.7  | 4462.9  | 5033.8  | 5206.9  | 13314.2 | 33455.1 | 37950.8 | 36853.4 | 26857.3 | 25958.8 |
| 70°   | 3540.0  | 3499.9  | 3680.2  | 4417.1  | 4812.0  | 6752.3  | 28156.6 | 42199.1 | 42140.4 | 30560.4 | 27801.7 |
| 71°   | 3173.7  | 3145.0  | 3361.1  | 4179.6  | 4727.6  | 5627.6  | 24310.4 | 42210.5 | 42386.5 | 31813.9 | 27693.0 |
| 72.5° | 2584.1  | 2594.2  | 2823.1  | 3720.2  | 4664.6  | 4969.4  | 17867.2 | 40243.1 | 40615.1 | 33008.6 | 26704.2 |
| 75°   | 1717.0  | 1725.6  | 2026.1  | 2861.7  | 4523.0  | 4862.1  | 9820.0  | 33768.4 | 34452.4 | 32293.2 | 24367.6 |
| 77.5° | 1153.3  | 1150.4  | 1355.0  | 1963.1  | 3940.6  | 4862.1  | 5757.8  | 25256.2 | 26007.4 | 25695.5 | 18785.8 |
| 80°   | 794.1   | 788.4   | 932.9   | 1355.0  | 2983.4  | 4920.7  | 4451.4  | 17699.8 | 17927.3 | 13876.5 | 7635.1  |
| 82.5° | 486.5   | 490.8   | 609.5   | 957.2   | 2030.4  | 4428.5  | 4202.5  | 9651.2  | 9403.6  | 3892.0  | 1907.3  |
| 85°   | 279.0   | 277.6   | 389.2   | 648.2   | 1303.5  | 3737.4  | 4098.0  | 4153.8  | 3810.4  | 1171.9  | 689.7   |
| 87.5° | 100.2   | 107.3   | 208.9   | 359.1   | 746.9   | 2602.7  | 3477.0  | 2160.6  | 1947.4  | 529.4   | 311.9   |
| 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°    | 9493.8  | 9493.8  | 9493.8 | 9493.8 | 9493.8 | 9493.8 | 9493.8 | 9493.8 | 9493.8 | 9493.8 | 9493.8 |
| 2.5°  | 9482.3  | 9490.9  | 9480.9 | 9423.7 | 9375.0 | 9296.3 | 9252.0 | 9190.4 | 9171.8 | 9163.3 | 9186.2 |
| 5°    | 9518.1  | 9521.0  | 9436.6 | 9286.3 | 9117.5 | 8918.6 | 8775.5 | 8599.5 | 8516.5 | 8480.7 | 8503.6 |
| 7.5°  | 9551.0  | 9538.1  | 9353.6 | 9066.0 | 8754.0 | 8407.8 | 8100.1 | 7818.2 | 7653.7 | 7586.4 | 7592.2 |
| 10°   | 9555.3  | 9500.9  | 9204.8 | 8759.8 | 8276.1 | 7768.2 | 7296.0 | 6861.0 | 6586.3 | 6407.4 | 6461.8 |
| 12.5° | 9511.0  | 9419.4  | 8985.8 | 8363.4 | 7692.3 | 6999.8 | 6361.6 | 5709.2 | 5317.1 | 5135.4 | 5141.1 |
| 15°   | 9476.6  | 9310.6  | 8716.8 | 7896.9 | 6995.5 | 6078.3 | 5206.9 | 4440.0 | 4022.2 | 3836.1 | 3748.9 |
| 17.5° | 9448.0  | 9193.3  | 8404.9 | 7371.8 | 6172.8 | 5009.5 | 3962.1 | 3278.1 | 3049.2 | 2994.8 | 2971.9 |
| 20°   | 9407.9  | 9068.8  | 8057.2 | 6763.7 | 5235.5 | 3813.3 | 2893.2 | 2555.5 | 2557.0 | 2619.9 | 2628.5 |
| 22.5° | 9352.1  | 8927.2  | 7686.6 | 6081.2 | 4229.6 | 2777.3 | 2267.9 | 2170.6 | 2269.4 | 2389.5 | 2411.0 |
| 25°   | 9269.1  | 8759.8  | 7274.5 | 5327.1 | 3225.2 | 2134.9 | 1937.4 | 1933.1 | 2053.3 | 2179.2 | 2197.8 |
| 27.5° | 9151.8  | 8540.8  | 6816.6 | 4517.2 | 2376.7 | 1814.3 | 1735.6 | 1765.7 | 1854.4 | 1946.0 | 1953.1 |
| 30°   | 8994.4  | 8286.1  | 6311.5 | 3663.0 | 1863.0 | 1615.4 | 1606.9 | 1634.0 | 1688.4 | 1752.8 | 1758.5 |
| 32.5° | 8821.3  | 8027.2  | 5772.1 | 2836.0 | 1595.4 | 1508.1 | 1516.7 | 1529.6 | 1555.4 | 1581.1 | 1586.8 |
| 35°   | 8663.9  | 7762.4  | 5219.8 | 2154.9 | 1468.1 | 1438.0 | 1432.3 | 1429.4 | 1432.3 | 1423.7 | 1425.1 |
| 37.5° | 8562.3  | 7543.5  | 4644.6 | 1715.6 | 1395.1 | 1376.5 | 1359.3 | 1337.9 | 1313.5 | 1299.2 | 1302.1 |
| 40°   | 8525.1  | 7380.4  | 4062.2 | 1482.4 | 1335.0 | 1322.1 | 1289.2 | 1243.4 | 1214.8 | 1206.2 | 1206.2 |
| 42.5° | 8625.3  | 7296.0  | 3499.9 | 1365.0 | 1284.9 | 1263.5 | 1209.1 | 1156.1 | 1134.7 | 1133.2 | 1131.8 |
| 45°   | 8931.5  | 7330.3  | 2964.8 | 1300.7 | 1239.1 | 1197.6 | 1126.1 | 1081.7 | 1067.4 | 1070.3 | 1068.9 |
| 47.5° | 9480.9  | 7546.4  | 2506.9 | 1257.7 | 1193.3 | 1139.0 | 1058.8 | 1023.1 | 1005.9 | 1005.9 | 1007.3 |
| 50°   | 10415.3 | 8051.5  | 2142.0 | 1222.0 | 1154.7 | 1084.6 | 1010.2 | 965.8  | 942.9  | 941.5  | 941.5  |
| 52.5° | 11776.0 | 8955.8  | 1914.5 | 1191.9 | 1111.8 | 1035.9 | 961.5  | 905.7  | 878.6  | 872.8  | 870.0  |
| 55°   | 13481.6 | 10252.1 | 1851.5 | 1171.9 | 1054.5 | 983.0  | 902.9  | 847.1  | 817.0  | 804.1  | 802.7  |
| 57.5° | 15389.0 | 11829.0 | 1976.0 | 1147.6 | 995.9  | 920.0  | 838.5  | 785.5  | 754.1  | 738.3  | 736.9  |
| 60°   | 17319.2 | 13550.3 | 2484.0 | 1113.2 | 947.2  | 851.4  | 772.7  | 724.0  | 692.5  | 675.4  | 672.5  |
| 62.5° | 19252.3 | 15364.6 | 3521.4 | 1110.4 | 912.9  | 785.5  | 705.4  | 663.9  | 633.9  | 615.3  | 611.0  |
| 65°   | 21432.9 | 17350.7 | 4700.4 | 1186.2 | 901.4  | 725.4  | 636.7  | 603.8  | 578.1  | 560.9  | 559.5  |
| 67.5° | 23936.9 | 19592.8 | 4587.4 | 1342.2 | 940.1  | 671.1  | 572.3  | 546.6  | 528.0  | 513.7  | 512.2  |
| 70°   | 25111.7 | 19242.3 | 2851.7 | 1452.3 | 994.5  | 618.1  | 510.8  | 492.2  | 477.9  | 467.9  | 463.6  |
| 71°   | 24619.5 | 18270.7 | 2391.0 | 1439.5 | 988.7  | 595.2  | 486.5  | 472.2  | 457.9  | 449.3  | 445.0  |
| 72.5° | 23277.3 | 16662.4 | 1994.6 | 1339.3 | 924.3  | 553.7  | 455.0  | 440.7  | 427.8  | 417.8  | 415.0  |
| 75°   | 20887.8 | 14881.0 | 1596.8 | 1070.3 | 736.9  | 467.9  | 399.2  | 383.5  | 373.5  | 367.7  | 362.0  |
| 77.5° | 15354.6 | 10619.9 | 1234.8 | 845.6  | 542.3  | 382.0  | 340.5  | 329.1  | 319.1  | 310.5  | 306.2  |
| 80°   | 5882.3  | 4113.7  | 831.3  | 631.0  | 397.8  | 301.9  | 274.7  | 269.0  | 259.0  | 253.3  | 253.3  |
| 82.5° | 1584.0  | 1229.1  | 443.6  | 382.0  | 266.1  | 220.4  | 210.3  | 207.5  | 198.9  | 187.4  | 188.9  |
| 85°   | 641.0   | 542.3   | 249.0  | 210.3  | 163.1  | 130.2  | 141.7  | 143.1  | 133.1  | 118.8  | 120.2  |
| 87.5° | 281.9   | 230.4   | 138.8  | 93.0   | 71.5   | 50.1   | 64.4   | 64.4   | 58.7   | 48.6   | 44.4   |
| 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)