

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: P317840

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P317840  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-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: 34945 lumens  
Efficiency: N/A  
Efficacy: 140.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G5

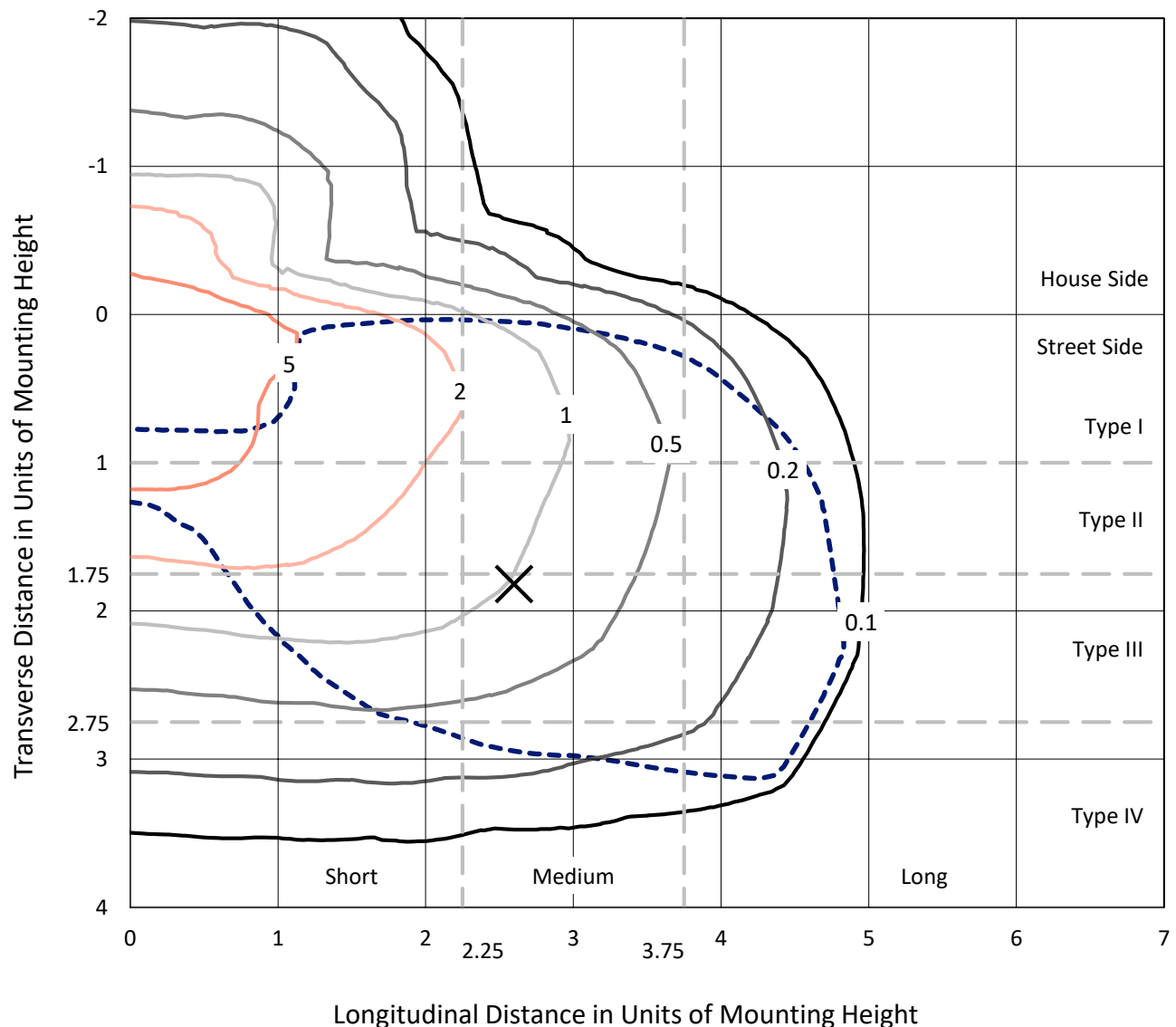
Input Watts (W): 249  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

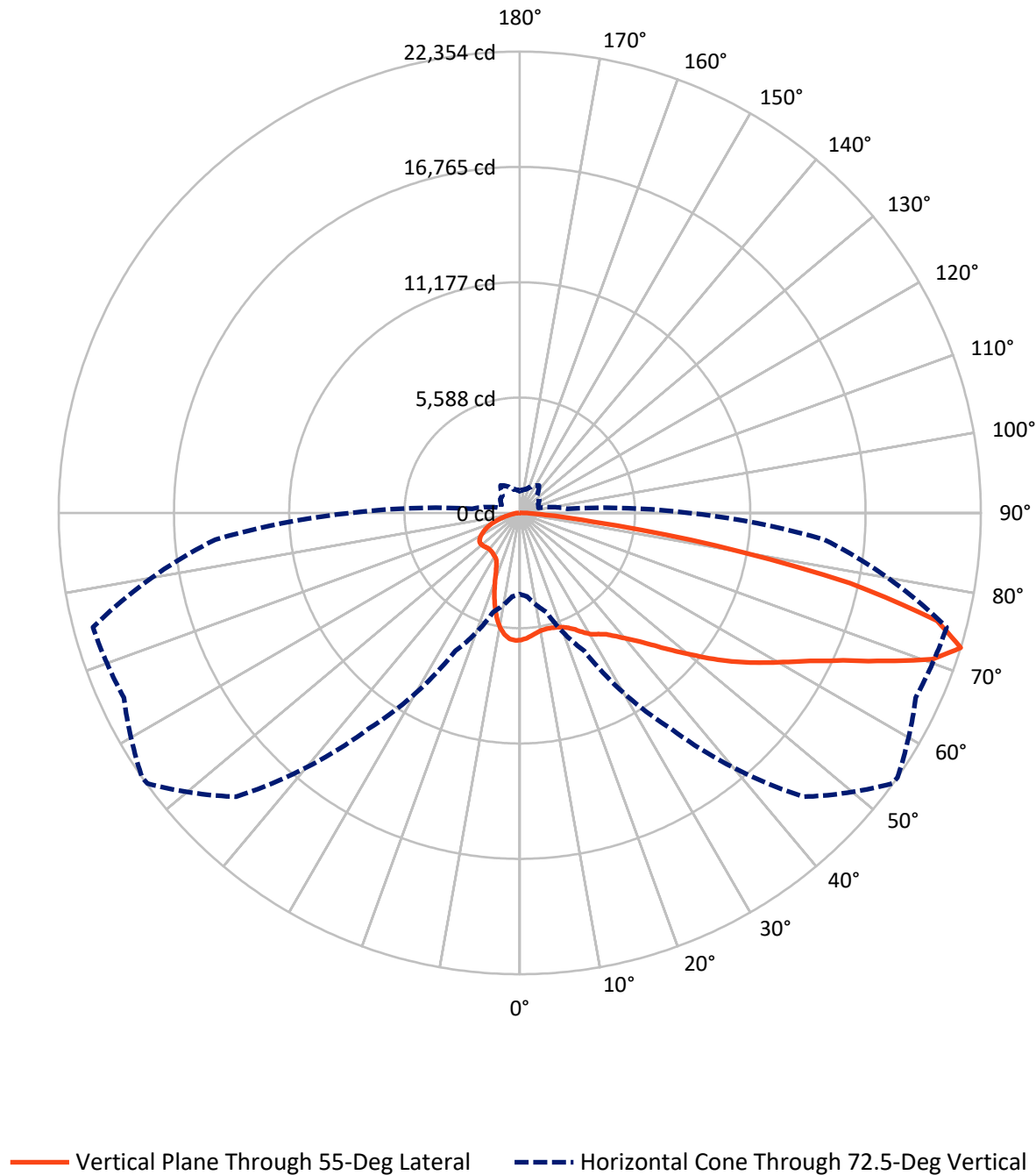
✕ Max cd  
 - - - 1/2 Max cd



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

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## Luminous Intensity Polar Plot



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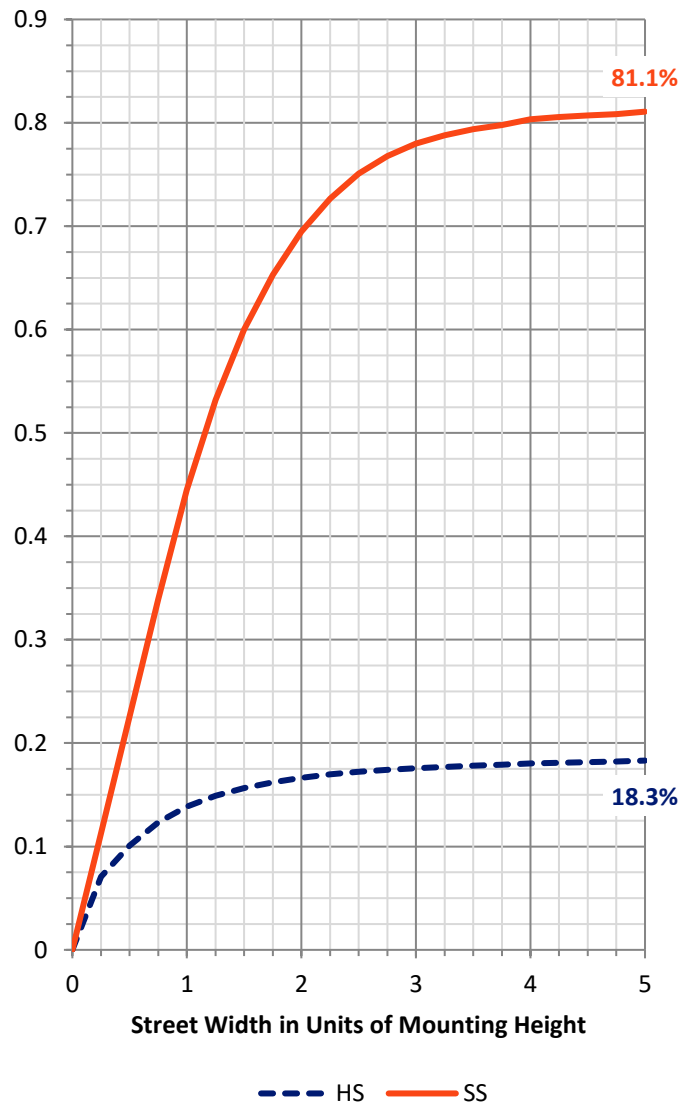
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6495.1   | 0.0    | 6495.1  |
|                    | % Fixture | 18.6     | 0.0    | 18.6    |
| <b>Street Side</b> | Lumens    | 28449.9  | 0.0    | 28449.9 |
|                    | % Fixture | 81.4     | 0.0    | 81.4    |
| <b>Total</b>       | Lumens    | 34945.0  | 0.0    | 34945.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 557.7   | 1.6       |
| 10°-20°   | 1484.9  | 4.2       |
| 20°-30°   | 2448.2  | 7.0       |
| 30°-40°   | 3621.5  | 10.4      |
| 40°-50°   | 5054.8  | 14.5      |
| 50°-60°   | 6581.6  | 18.8      |
| 60°-70°   | 8088.6  | 23.1      |
| 70°-80°   | 6340.4  | 18.1      |
| 80°-90°   | 767.3   | 2.2       |
| 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°    | 34945.0 | 100.0     |
| 0°-180°   | 34945.0 | 100.0     |

**Coefficient of Utilization**



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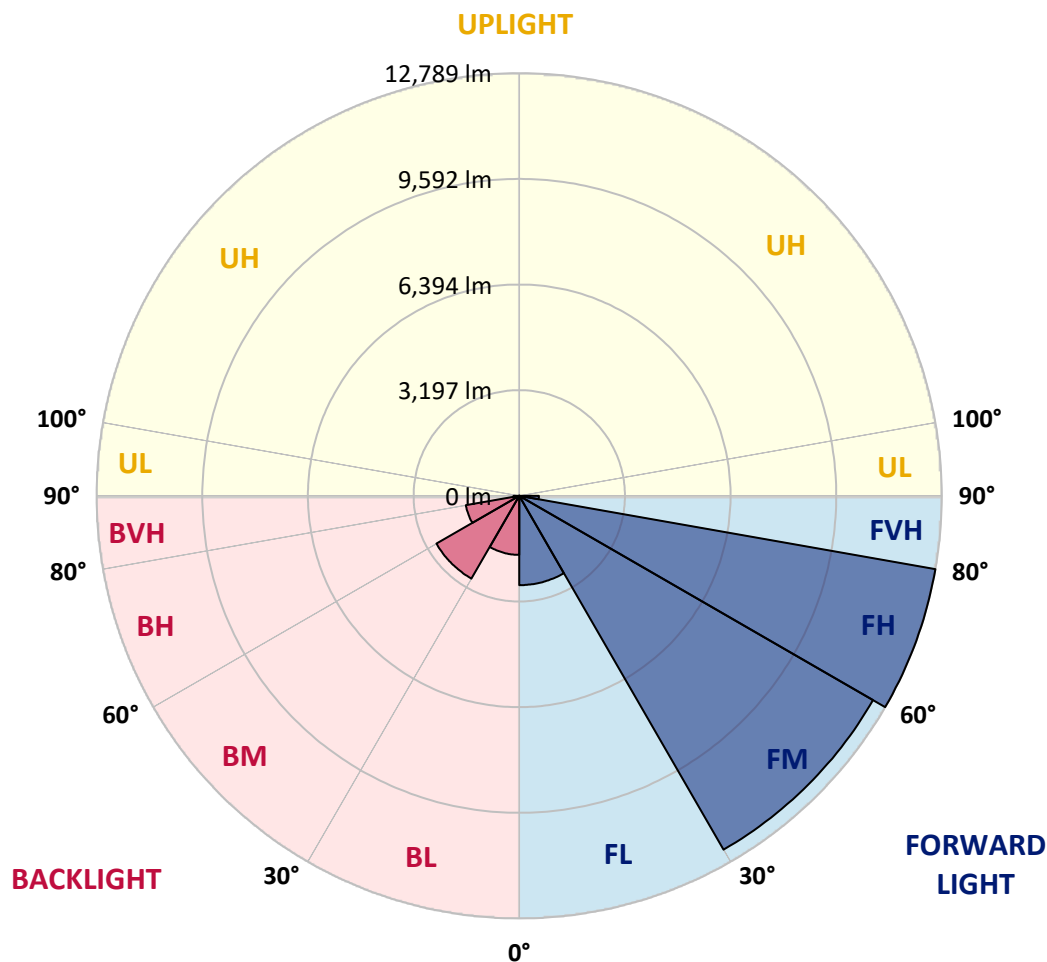
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2703.7  | 7.7       |                         |      |         |
| FM   | (30°-60°)   | 12364.2 | 35.4      |                         |      |         |
| FH   | (60°-80°)   | 12788.7 | 36.6      |                         |      | G5      |
| FVH  | (80°-90°)   | 593.2   | 1.7       |                         |      | G4/750  |
| BL   | (0°-30°)    | 1787.1  | 5.1       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2893.7  | 8.3       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1640.3  | 4.7       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 174.1   | 0.5       |                         |      | 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°    | 6163.5  | 6163.5  | 6163.5  | 6163.5  | 6163.5  | 6163.5  | 6163.5  | 6163.5  | 6163.5  | 6163.5  | 6163.5  |
| 2.5°  | 5962.9  | 5948.7  | 5966.4  | 5991.2  | 6018.4  | 6055.0  | 6076.2  | 6085.6  | 6122.2  | 6136.4  | 6167.1  |
| 5°    | 5686.7  | 5679.6  | 5709.1  | 5751.6  | 5811.8  | 5896.8  | 5965.3  | 5978.2  | 6075.0  | 6143.5  | 6206.0  |
| 7.5°  | 5486.1  | 5486.1  | 5520.3  | 5571.0  | 5638.3  | 5752.8  | 5849.6  | 5867.3  | 6031.4  | 6178.9  | 6294.6  |
| 10°   | 5326.7  | 5332.6  | 5372.7  | 5432.9  | 5512.0  | 5633.6  | 5762.2  | 5782.3  | 6019.5  | 6261.5  | 6445.6  |
| 12.5° | 5220.5  | 5234.6  | 5271.2  | 5325.5  | 5423.5  | 5571.0  | 5733.9  | 5761.1  | 6044.3  | 6379.5  | 6627.4  |
| 15°   | 5287.8  | 5311.4  | 5314.9  | 5337.3  | 5391.6  | 5552.1  | 5750.4  | 5778.8  | 6097.4  | 6499.9  | 6834.0  |
| 17.5° | 5582.8  | 5591.1  | 5554.5  | 5507.3  | 5481.3  | 5584.0  | 5800.0  | 5829.5  | 6161.2  | 6619.1  | 7032.2  |
| 20°   | 6031.4  | 6026.6  | 5947.6  | 5820.1  | 5687.9  | 5704.4  | 5881.5  | 5912.1  | 6247.3  | 6724.2  | 7230.5  |
| 22.5° | 6597.9  | 6581.4  | 6459.8  | 6224.9  | 5999.5  | 5905.1  | 6024.3  | 6050.2  | 6377.2  | 6874.1  | 7443.0  |
| 25°   | 7284.8  | 7248.2  | 7087.7  | 6772.6  | 6440.9  | 6197.8  | 6239.1  | 6263.9  | 6566.0  | 7041.7  | 7637.7  |
| 27.5° | 8009.5  | 7973.0  | 7768.8  | 7387.5  | 6946.1  | 6567.2  | 6535.3  | 6556.6  | 6780.8  | 7165.6  | 7781.7  |
| 30°   | 8767.3  | 8728.3  | 8541.9  | 8114.6  | 7481.9  | 6949.6  | 6811.5  | 6819.8  | 6931.9  | 7232.9  | 7899.8  |
| 32.5° | 9528.6  | 9492.0  | 9283.1  | 8787.4  | 8063.8  | 7360.4  | 7011.0  | 7000.4  | 7022.8  | 7302.5  | 8033.1  |
| 35°   | 10300.5 | 10314.7 | 10070.4 | 9521.5  | 8708.3  | 7817.2  | 7247.1  | 7224.6  | 7175.1  | 7445.4  | 8222.0  |
| 37.5° | 11126.7 | 11117.3 | 10801.0 | 10227.3 | 9382.2  | 8312.9  | 7585.8  | 7582.3  | 7411.1  | 7715.6  | 8518.3  |
| 40°   | 11679.1 | 11685.0 | 11492.6 | 10949.7 | 10063.3 | 8861.7  | 8020.2  | 8011.9  | 7787.6  | 8120.5  | 8906.6  |
| 42.5° | 11895.1 | 11934.1 | 11983.6 | 11639.0 | 10776.2 | 9497.9  | 8538.3  | 8526.5  | 8312.9  | 8701.2  | 9363.3  |
| 45°   | 11910.4 | 11988.3 | 12295.2 | 12251.6 | 11498.5 | 10226.2 | 9200.5  | 9167.4  | 9014.0  | 9473.1  | 9908.6  |
| 47.5° | 11778.3 | 11858.5 | 12368.4 | 12616.3 | 12144.1 | 10994.5 | 9974.7  | 9948.8  | 9816.6  | 10438.6 | 10498.8 |
| 50°   | 11489.1 | 11565.8 | 12217.3 | 12794.5 | 12675.3 | 11733.4 | 10867.1 | 10798.6 | 10727.8 | 11554.0 | 11173.9 |
| 52.5° | 10947.3 | 11094.9 | 12015.5 | 12837.0 | 12992.8 | 12389.6 | 11805.4 | 11760.5 | 11799.5 | 12730.8 | 11850.2 |
| 55°   | 9664.3  | 9829.6  | 11495.0 | 12801.6 | 13227.7 | 12940.9 | 12743.7 | 12741.4 | 12943.2 | 13965.4 | 12576.1 |
| 57.5° | 8945.5  | 9062.4  | 10435.1 | 12741.4 | 13506.2 | 13488.5 | 13672.6 | 13695.1 | 14088.1 | 15309.7 | 13336.3 |
| 60°   | 8539.5  | 8662.2  | 9898.0  | 12518.3 | 13938.2 | 14196.7 | 14620.4 | 14665.3 | 15251.9 | 16798.1 | 14251.0 |
| 62.5° | 8170.1  | 8304.6  | 9565.2  | 12063.9 | 14446.9 | 15209.4 | 15755.9 | 15796.0 | 16484.1 | 18327.8 | 15135.0 |
| 65°   | 7538.6  | 7690.9  | 9077.7  | 11765.3 | 14909.6 | 16530.2 | 17199.4 | 17226.5 | 17899.3 | 19930.6 | 15811.3 |
| 67.5° | 6646.3  | 6785.6  | 8158.3  | 11105.5 | 15251.9 | 18134.2 | 19118.6 | 19133.9 | 19302.7 | 21062.5 | 16157.2 |
| 70°   | 5604.1  | 5657.2  | 6848.1  | 9743.4  | 14847.0 | 19634.4 | 21221.9 | 21225.4 | 20582.1 | 21787.2 | 16100.5 |
| 72.5° | 3937.5  | 4062.6  | 4971.4  | 7375.7  | 12759.1 | 19451.4 | 22313.6 | 22353.8 | 21177.0 | 21421.3 | 14814.0 |
| 75°   | 2414.9  | 2547.1  | 3118.4  | 4469.8  | 8094.5  | 15297.9 | 20616.4 | 20894.9 | 20061.6 | 19099.7 | 12101.7 |
| 77.5° | 1614.7  | 1664.2  | 2034.8  | 2606.1  | 3667.2  | 8801.5  | 15850.3 | 16374.4 | 16665.9 | 13928.8 | 7739.3  |
| 80°   | 900.6   | 995.0   | 1349.1  | 1619.4  | 1631.2  | 3497.2  | 9503.8  | 9626.6  | 9272.5  | 5546.2  | 2387.8  |
| 82.5° | 476.8   | 528.8   | 900.6   | 951.3   | 889.9   | 1170.9  | 3542.1  | 3545.6  | 2962.6  | 1487.2  | 709.4   |
| 85°   | 369.4   | 413.1   | 617.3   | 580.7   | 454.4   | 519.3   | 1168.5  | 1232.2  | 1008.0  | 609.0   | 231.3   |
| 87.5° | 184.1   | 229.0   | 419.0   | 368.3   | 178.2   | 148.7   | 417.8   | 446.2   | 397.8   | 238.4   | 83.8    |
| 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°    | 6163.5  | 6163.5 | 6163.5 | 6163.5 | 6163.5 | 6163.5 | 6163.5 | 6163.5 | 6163.5 | 6163.5 | 6163.5 |
| 2.5°  | 6178.9  | 6189.5 | 6202.5 | 6188.3 | 6183.6 | 6164.7 | 6132.9 | 6125.8 | 6109.3 | 6110.4 | 6119.9 |
| 5°    | 6233.2  | 6250.9 | 6243.8 | 6189.5 | 6124.6 | 6033.7 | 5939.3 | 5859.0 | 5805.9 | 5802.4 | 5798.8 |
| 7.5°  | 6337.1  | 6348.9 | 6293.4 | 6138.8 | 5957.0 | 5746.9 | 5548.6 | 5375.1 | 5270.1 | 5244.1 | 5238.2 |
| 10°   | 6499.9  | 6497.6 | 6345.3 | 6033.7 | 5671.4 | 5296.0 | 4977.3 | 4736.6 | 4596.1 | 4554.8 | 4544.2 |
| 12.5° | 6681.7  | 6654.6 | 6363.0 | 5842.5 | 5267.7 | 4747.2 | 4343.5 | 4075.6 | 3929.2 | 3882.0 | 3870.2 |
| 15°   | 6869.4  | 6802.1 | 6319.3 | 5556.9 | 4772.0 | 4155.8 | 3732.1 | 3484.3 | 3405.2 | 3379.2 | 3374.5 |
| 17.5° | 7044.1  | 6914.2 | 6194.2 | 5169.7 | 4206.6 | 3566.9 | 3236.4 | 3137.2 | 3156.1 | 3190.4 | 3191.5 |
| 20°   | 7215.2  | 6989.8 | 5993.6 | 4681.1 | 3610.5 | 3081.8 | 2969.6 | 3042.8 | 3132.5 | 3202.2 | 3211.6 |
| 22.5° | 7384.0  | 7042.9 | 5735.1 | 4116.9 | 3077.1 | 2809.1 | 2888.2 | 3021.6 | 3124.3 | 3199.8 | 3212.8 |
| 25°   | 7525.6  | 7055.9 | 5378.6 | 3514.9 | 2706.4 | 2706.4 | 2849.3 | 2975.5 | 3077.1 | 3151.4 | 3164.4 |
| 27.5° | 7577.6  | 6968.5 | 4875.8 | 2957.8 | 2519.9 | 2659.2 | 2795.0 | 2900.0 | 2986.2 | 3065.2 | 3079.4 |
| 30°   | 7597.6  | 6806.8 | 4295.1 | 2510.5 | 2443.2 | 2608.5 | 2721.8 | 2811.5 | 2892.9 | 2967.3 | 2980.3 |
| 32.5° | 7601.2  | 6612.1 | 3679.0 | 2256.7 | 2390.1 | 2555.4 | 2630.9 | 2710.0 | 2797.3 | 2826.8 | 2831.5 |
| 35°   | 7623.6  | 6381.9 | 3029.8 | 2126.9 | 2340.5 | 2505.8 | 2566.0 | 2622.6 | 2481.0 | 2491.6 | 2501.1 |
| 37.5° | 7688.5  | 6154.1 | 2486.9 | 2053.7 | 2308.7 | 2479.8 | 2551.8 | 2346.4 | 2235.5 | 2209.5 | 2206.0 |
| 40°   | 7810.1  | 5911.0 | 2084.4 | 1994.7 | 2296.9 | 2492.8 | 2460.9 | 2190.6 | 1999.4 | 1856.6 | 1835.4 |
| 42.5° | 7978.9  | 5648.9 | 1827.1 | 1955.8 | 2305.1 | 2555.4 | 2334.6 | 2040.7 | 1723.2 | 1631.2 | 1619.4 |
| 45°   | 8168.9  | 5373.9 | 1687.8 | 1928.6 | 2333.5 | 2603.8 | 2308.7 | 1841.3 | 1594.6 | 1525.0 | 1519.1 |
| 47.5° | 8353.0  | 5037.5 | 1615.8 | 1916.8 | 2372.4 | 2564.8 | 2198.9 | 1779.9 | 1533.2 | 1496.6 | 1500.2 |
| 50°   | 8564.3  | 4734.2 | 1572.2 | 1903.8 | 2406.6 | 2540.0 | 2075.0 | 1748.0 | 1509.6 | 1554.5 | 1601.7 |
| 52.5° | 8742.5  | 4420.2 | 1533.2 | 1877.9 | 2419.6 | 2496.3 | 2043.1 | 1753.9 | 1509.6 | 1595.8 | 1640.6 |
| 55°   | 8953.8  | 4183.0 | 1488.4 | 1823.6 | 2394.8 | 2372.4 | 2020.7 | 1789.3 | 1527.3 | 1473.0 | 1477.7 |
| 57.5° | 9226.4  | 4105.1 | 1438.8 | 1738.6 | 2312.2 | 2191.8 | 2010.1 | 1823.6 | 1516.7 | 1482.5 | 1494.3 |
| 60°   | 9604.1  | 4187.7 | 1418.7 | 1627.6 | 2183.6 | 2050.2 | 2011.2 | 1805.9 | 1442.3 | 1383.3 | 1384.5 |
| 62.5° | 9964.1  | 4279.8 | 1417.5 | 1558.0 | 2025.4 | 1923.9 | 1984.1 | 1748.0 | 1404.6 | 1370.3 | 1383.3 |
| 65°   | 10082.2 | 4186.5 | 1360.9 | 1480.1 | 1847.2 | 1772.8 | 1934.5 | 1686.7 | 1376.2 | 1324.3 | 1321.9 |
| 67.5° | 9924.0  | 3897.4 | 1246.4 | 1353.8 | 1643.0 | 1597.0 | 1869.6 | 1613.5 | 1331.4 | 1288.9 | 1281.8 |
| 70°   | 9454.2  | 3251.7 | 1104.8 | 1187.4 | 1410.5 | 1398.7 | 1766.9 | 1528.5 | 1271.2 | 1234.6 | 1203.9 |
| 72.5° | 8190.1  | 2316.9 | 931.3  | 987.9  | 1148.4 | 1186.2 | 1625.3 | 1417.5 | 1186.2 | 1107.1 | 1059.9 |
| 75°   | 6726.6  | 1715.0 | 764.8  | 776.6  | 872.2  | 974.9  | 1430.5 | 1287.7 | 1085.9 | 951.3  | 914.7  |
| 77.5° | 4119.3  | 1049.3 | 609.0  | 613.8  | 625.6  | 777.8  | 1177.9 | 1142.5 | 958.4  | 793.2  | 767.2  |
| 80°   | 1333.7  | 572.4  | 440.3  | 462.7  | 427.3  | 570.1  | 911.2  | 972.6  | 822.7  | 663.3  | 635.0  |
| 82.5° | 507.5   | 334.0  | 297.4  | 312.8  | 296.3  | 382.4  | 664.5  | 779.0  | 674.0  | 545.3  | 443.8  |
| 85°   | 245.5   | 188.8  | 175.9  | 197.1  | 182.9  | 195.9  | 424.9  | 573.6  | 511.1  | 355.3  | 330.5  |
| 87.5° | 87.3    | 83.8   | 67.3   | 90.9   | 77.9   | 69.6   | 129.8  | 289.2  | 337.6  | 244.3  | 218.4  |
| 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)