

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: P531119

Luminaire Tested: **GLAN-SA6B-827-U-SL3-GRSBK**

Issue Date: 5/27/2021

### Test Information

Test Method: LM-79-08  
Report Number: P531119  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6B-827-U-SL3-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 14506 lumens  
Efficiency: N/A  
Efficacy: 59.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1

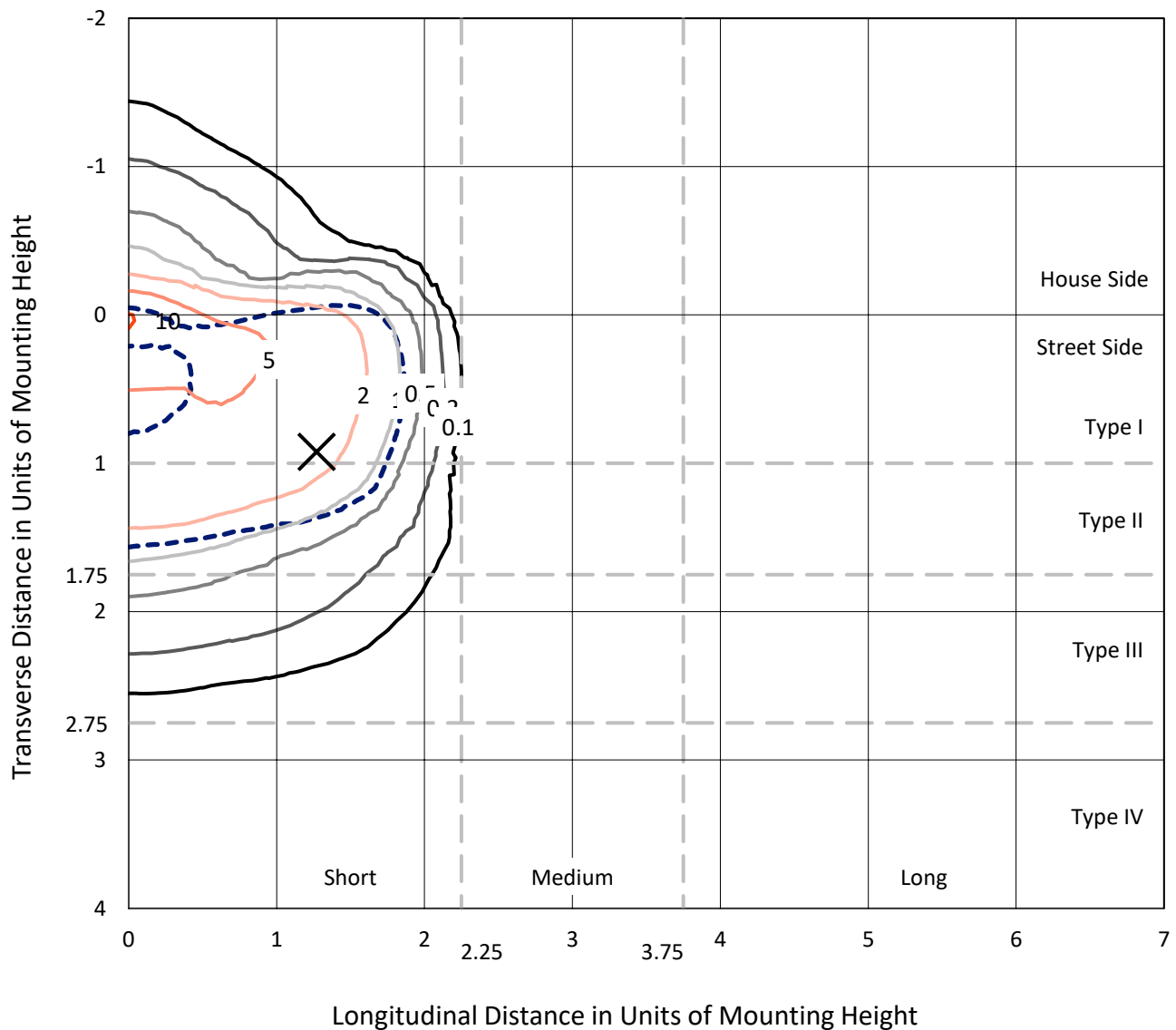
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

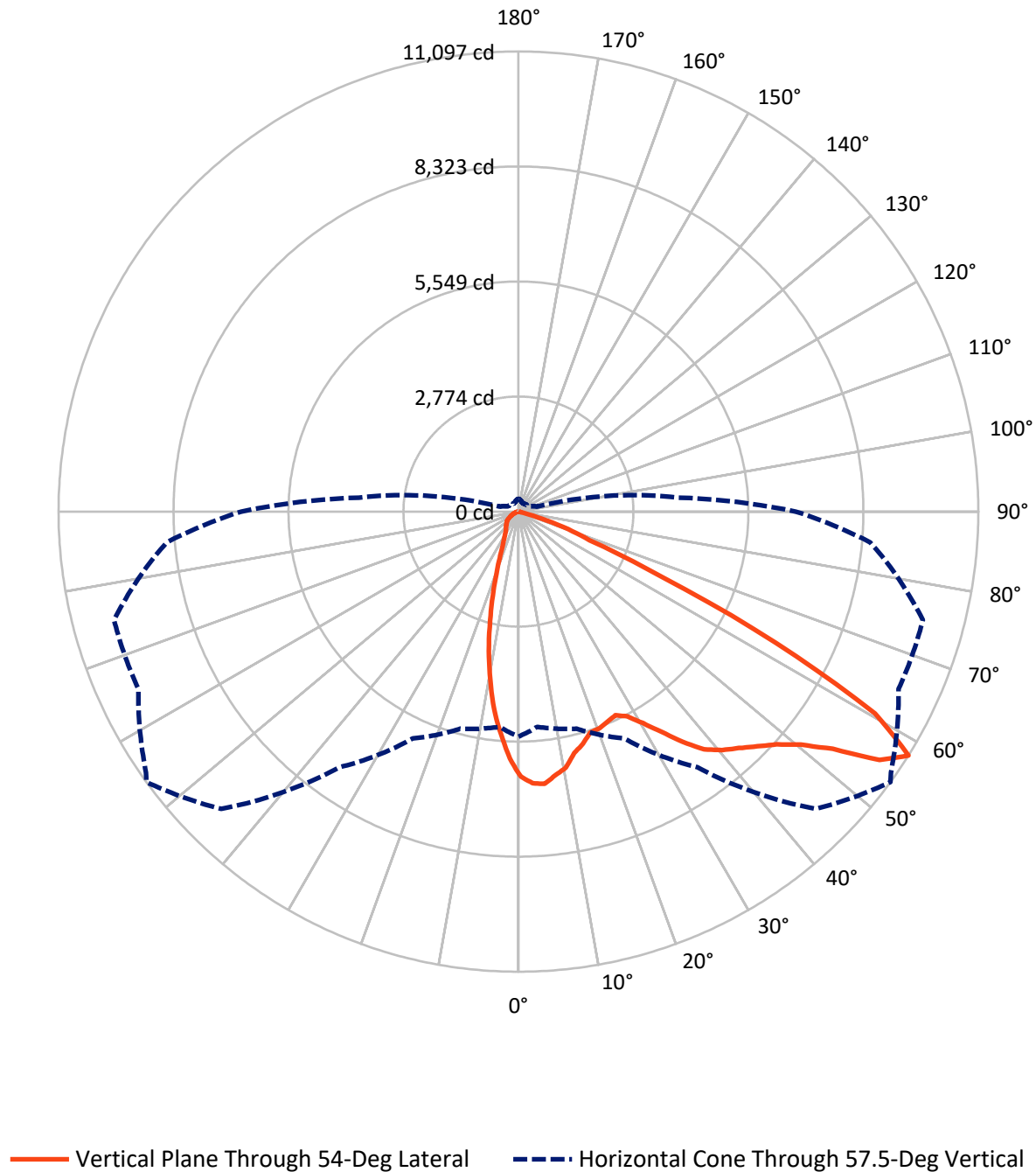
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 fc  
 Type II - Short - N/A

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## Luminous Intensity Polar Plot



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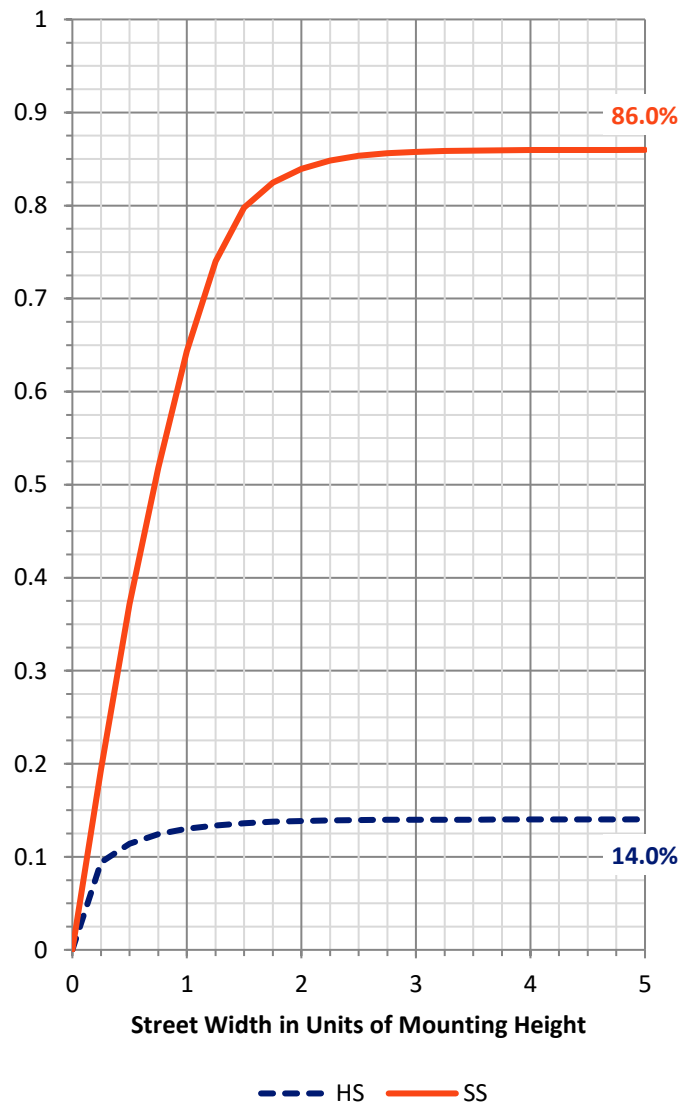
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2050.0   | 0.0    | 2050.0  |
|                    | % Fixture | 14.1     | 0.0    | 14.1    |
| <b>Street Side</b> | Lumens    | 12456.1  | 0.0    | 12456.1 |
|                    | % Fixture | 85.9     | 0.0    | 85.9    |
| <b>Total</b>       | Lumens    | 14506.0  | 0.0    | 14506.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 534.7   | 3.7       |
| 10°-20°   | 1141.7  | 7.9       |
| 20°-30°   | 1512.9  | 10.4      |
| 30°-40°   | 2198.7  | 15.2      |
| 40°-50°   | 3260.4  | 22.5      |
| 50°-60°   | 4076.9  | 28.1      |
| 60°-70°   | 1608.2  | 11.1      |
| 70°-80°   | 160.1   | 1.1       |
| 80°-90°   | 12.5    | 0.1       |
| 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°    | 14506.0 | 100.0     |
| 0°-180°   | 14506.0 | 100.0     |

**Coefficient of Utilization**



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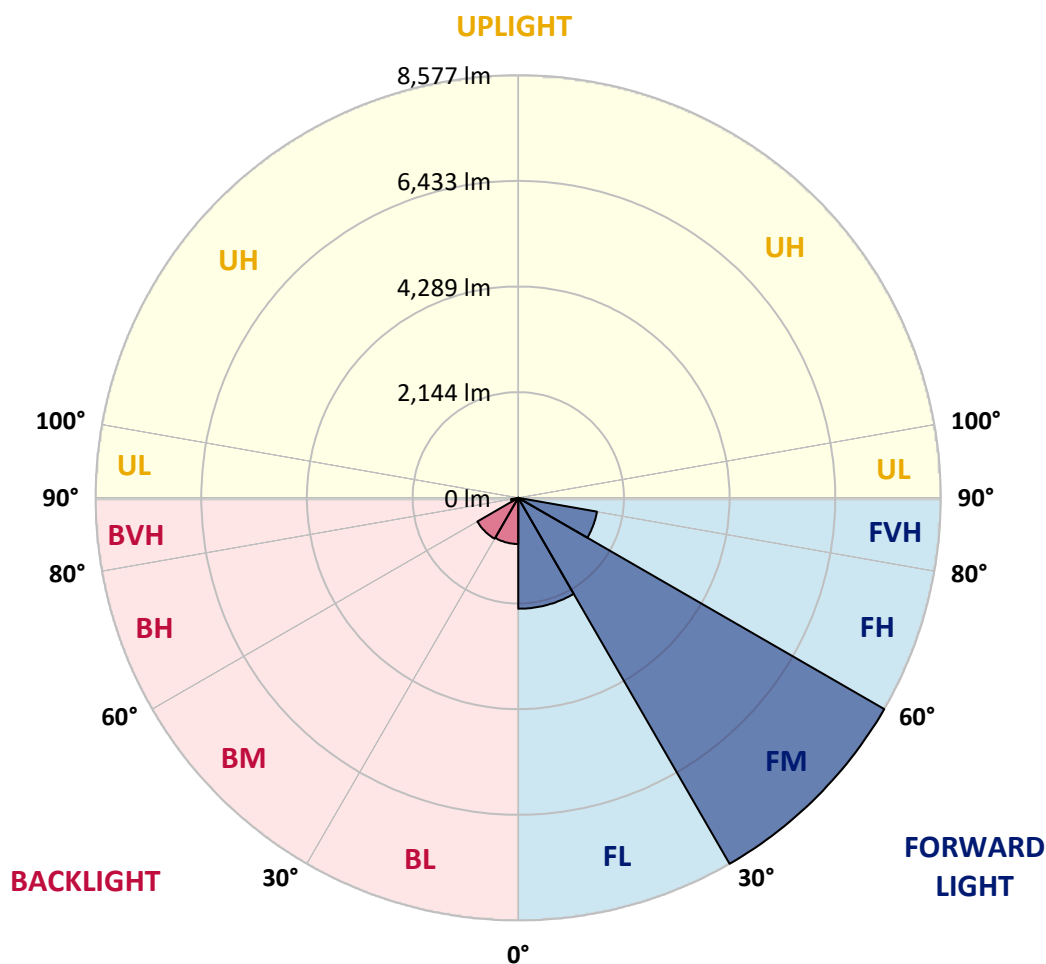
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2251.8 | 15.5      |                         |      |         |
| FM   | (30°-60°)   | 8577.4 | 59.1      |                         |      |         |
| FH   | (60°-80°)   | 1621.3 | 11.2      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 5.7    | 0.0       |                         |      | G0/10   |
| BL   | (0°-30°)    | 937.5  | 6.5       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 958.6  | 6.6       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 147.0  | 1.0       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 6.8    | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°     | 54°     | 55°     | 65°     | 75°     | 85°    |
|-------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|--------|
| 0°    | 6390.1 | 6390.1 | 6390.1 | 6390.1 | 6390.1 | 6390.1  | 6390.1  | 6390.1  | 6390.1  | 6390.1  | 6390.1 |
| 2.5°  | 6762.3 | 6692.2 | 6697.6 | 6673.3 | 6640.9 | 6665.2  | 6560.0  | 6584.3  | 6581.6  | 6438.6  | 6344.2 |
| 5°    | 6592.4 | 6667.9 | 6589.7 | 6654.4 | 6592.4 | 6659.8  | 6595.1  | 6546.5  | 6468.3  | 6363.1  | 6187.8 |
| 7.5°  | 6303.8 | 6230.9 | 6252.5 | 6333.4 | 6346.9 | 6498.0  | 6417.1  | 6479.1  | 6446.7  | 6239.0  | 5999.0 |
| 10°   | 5723.8 | 5707.7 | 5815.5 | 5923.4 | 6055.6 | 6217.5  | 6279.5  | 6244.4  | 6220.2  | 6141.9  | 5820.9 |
| 12.5° | 5278.8 | 5324.6 | 5321.9 | 5500.0 | 5723.8 | 5815.5  | 5977.4  | 5972.0  | 6106.9  | 5961.2  | 5653.7 |
| 15°   | 4855.3 | 4879.6 | 4992.8 | 5103.4 | 5351.6 | 5613.2  | 5812.8  | 5839.8  | 6001.7  | 5899.2  | 5524.2 |
| 17.5° | 4596.3 | 4561.3 | 4650.3 | 4782.5 | 5036.0 | 5378.6  | 5599.8  | 5664.5  | 5885.7  | 5864.1  | 5375.9 |
| 20°   | 4340.1 | 4340.1 | 4412.9 | 4569.4 | 4801.3 | 5187.1  | 5580.9  | 5562.0  | 5885.7  | 5823.6  | 5216.7 |
| 22.5° | 4253.8 | 4296.9 | 4315.8 | 4434.5 | 4709.6 | 5041.4  | 5500.0  | 5535.0  | 5931.5  | 5804.8  | 5146.6 |
| 25°   | 4372.4 | 4315.8 | 4321.2 | 4415.6 | 4674.6 | 4971.3  | 5440.6  | 5518.8  | 6015.2  | 5899.2  | 5090.0 |
| 27.5° | 4391.3 | 4448.0 | 4464.2 | 4528.9 | 4701.5 | 4992.8  | 5589.0  | 5748.1  | 6222.9  | 6120.4  | 5106.1 |
| 30°   | 4555.9 | 4612.5 | 4609.8 | 4720.4 | 4839.1 | 5168.2  | 5920.7  | 5953.1  | 6651.7  | 6398.2  | 5205.9 |
| 32.5° | 4755.5 | 4814.8 | 4833.7 | 4963.2 | 5057.6 | 5489.2  | 6325.4  | 6409.0  | 7064.4  | 6835.2  | 5467.6 |
| 35°   | 5003.6 | 4982.1 | 5068.4 | 5197.8 | 5400.2 | 5958.5  | 6819.0  | 6959.2  | 7509.5  | 7401.6  | 5737.3 |
| 37.5° | 5313.8 | 5286.9 | 5370.5 | 5580.9 | 5856.0 | 6514.2  | 7274.8  | 7366.5  | 7833.2  | 7927.6  | 6236.3 |
| 40°   | 5532.3 | 5543.1 | 5796.7 | 6079.9 | 6371.2 | 7042.9  | 7563.4  | 7652.5  | 8059.8  | 8418.5  | 6614.0 |
| 42.5° | 5896.5 | 5963.9 | 6268.7 | 6614.0 | 6918.8 | 7439.4  | 7798.1  | 7884.4  | 8165.0  | 8812.3  | 7123.8 |
| 45°   | 6425.2 | 6395.5 | 6732.7 | 7118.4 | 7455.6 | 7852.1  | 8075.9  | 8046.3  | 8227.0  | 9203.5  | 7444.8 |
| 47.5° | 7104.9 | 7110.3 | 7334.2 | 7663.3 | 8013.9 | 8210.8  | 8386.1  | 8281.0  | 8356.5  | 9616.2  | 7873.6 |
| 50°   | 7568.8 | 7609.3 | 7790.0 | 8127.2 | 8302.5 | 8604.6  | 8828.5  | 8763.8  | 8739.5  | 9864.3  | 8143.4 |
| 52.5° | 7687.5 | 7808.9 | 7906.0 | 8326.8 | 8736.8 | 9214.2  | 9500.2  | 9637.7  | 9206.2  | 9947.9  | 8486.0 |
| 55°   | 6792.0 | 6899.9 | 7242.5 | 7819.7 | 8901.3 | 10179.9 | 10573.7 | 10576.4 | 9815.8  | 10320.2 | 8726.0 |
| 57.5° | 5429.8 | 5211.3 | 5421.7 | 6034.0 | 7525.7 | 10139.4 | 11097.0 | 10970.2 | 10120.6 | 10101.7 | 8518.3 |
| 60°   | 3754.8 | 3700.8 | 3714.3 | 3957.1 | 5208.6 | 8065.2  | 9888.6  | 10053.1 | 9319.4  | 8755.7  | 6743.4 |
| 62.5° | 2975.2 | 2929.4 | 2870.0 | 2843.0 | 3234.2 | 5025.2  | 6975.4  | 7207.4  | 6516.9  | 5678.0  | 3997.5 |
| 65°   | 2330.5 | 2303.6 | 2311.7 | 2419.5 | 2416.9 | 2851.1  | 3814.1  | 3719.7  | 2977.9  | 2201.1  | 1257.0 |
| 67.5° | 1572.6 | 1613.0 | 1645.4 | 1971.8 | 2139.0 | 1985.3  | 1842.3  | 1788.4  | 968.4   | 407.3   | 277.8  |
| 70°   | 884.7  | 890.1  | 925.2  | 1232.7 | 1623.8 | 1540.2  | 1270.5  | 1270.5  | 482.8   | 148.4   | 159.1  |
| 72.5° | 482.8  | 466.6  | 434.3  | 531.4  | 722.9  | 733.7   | 566.4   | 493.6   | 143.0   | 97.1    | 89.0   |
| 75°   | 234.7  | 232.0  | 199.6  | 164.5  | 156.4  | 129.5   | 99.8    | 91.7    | 64.7    | 62.0    | 53.9   |
| 77.5° | 48.6   | 45.9   | 24.3   | 24.3   | 27.0   | 29.7    | 37.8    | 37.8    | 45.9    | 45.9    | 37.8   |
| 80°   | 0.0    | 0.0    | 2.7    | 10.8   | 18.9   | 27.0    | 32.4    | 32.4    | 37.8    | 37.8    | 29.7   |
| 82.5° | 0.0    | 0.0    | 2.7    | 8.1    | 16.2   | 24.3    | 29.7    | 32.4    | 37.8    | 40.5    | 32.4   |
| 85°   | 0.0    | 0.0    | 0.0    | 5.4    | 13.5   | 18.9    | 16.2    | 16.2    | 13.5    | 10.8    | 5.4    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 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    |



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**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 6390.1 | 6390.1 | 6390.1 | 6390.1 | 6390.1 | 6390.1 | 6390.1 | 6390.1 | 6390.1 | 6390.1 | 6390.1 |
| 2.5°  | 6295.7 | 6290.3 | 6166.2 | 6096.1 | 5969.3 | 5858.7 | 5769.7 | 5705.0 | 5705.0 | 5664.5 | 5626.7 |
| 5°    | 6117.7 | 6071.8 | 5807.5 | 5637.5 | 5397.5 | 5219.4 | 5098.0 | 5003.6 | 4855.3 | 4895.7 | 4736.6 |
| 7.5°  | 5896.5 | 5780.5 | 5429.8 | 5170.9 | 4839.1 | 4585.5 | 4326.6 | 4097.3 | 3876.1 | 3776.3 | 3830.3 |
| 10°   | 5659.1 | 5456.8 | 4984.8 | 4574.8 | 4162.1 | 3698.1 | 3396.0 | 3029.2 | 2802.6 | 2789.1 | 2729.7 |
| 12.5° | 5408.2 | 5179.0 | 4604.4 | 4038.0 | 3495.8 | 2937.4 | 2476.2 | 2133.6 | 1979.9 | 1809.9 | 1842.3 |
| 15°   | 5219.4 | 4879.6 | 4180.9 | 3498.5 | 2778.3 | 2214.5 | 1750.6 | 1486.3 | 1340.6 | 1300.1 | 1286.6 |
| 17.5° | 5014.4 | 4650.3 | 3749.4 | 2924.0 | 2179.5 | 1594.2 | 1259.7 | 1132.9 | 1076.3 | 1076.3 | 1068.2 |
| 20°   | 4801.3 | 4391.3 | 3320.5 | 2389.9 | 1634.6 | 1189.5 | 1008.8 | 968.4  | 965.7  | 963.0  | 963.0  |
| 22.5° | 4661.1 | 4094.6 | 2932.0 | 1899.0 | 1232.7 | 952.2  | 876.6  | 860.5  | 871.3  | 903.6  | 903.6  |
| 25°   | 4512.7 | 3808.7 | 2503.2 | 1464.7 | 954.9  | 817.3  | 774.1  | 784.9  | 811.9  | 841.6  | 830.8  |
| 27.5° | 4361.7 | 3622.6 | 2098.6 | 1149.1 | 782.2  | 714.8  | 698.6  | 722.9  | 752.6  | 779.5  | 771.5  |
| 30°   | 4326.6 | 3423.0 | 1715.5 | 871.3  | 671.6  | 623.1  | 633.9  | 655.5  | 685.1  | 695.9  | 706.7  |
| 32.5° | 4380.5 | 3266.5 | 1405.3 | 714.8  | 585.3  | 571.8  | 571.8  | 582.6  | 601.5  | 625.8  | 617.7  |
| 35°   | 4534.3 | 3177.5 | 1111.3 | 620.4  | 536.8  | 523.3  | 520.6  | 531.4  | 542.2  | 550.3  | 542.2  |
| 37.5° | 4769.0 | 3107.4 | 909.0  | 550.3  | 504.4  | 482.8  | 477.4  | 474.7  | 485.5  | 488.2  | 493.6  |
| 40°   | 5068.4 | 3145.1 | 771.5  | 507.1  | 472.0  | 447.8  | 431.6  | 431.6  | 431.6  | 439.7  | 442.4  |
| 42.5° | 5392.1 | 3196.4 | 666.3  | 482.8  | 442.4  | 412.7  | 396.5  | 391.1  | 396.5  | 407.3  | 404.6  |
| 45°   | 5731.9 | 3296.2 | 598.8  | 445.1  | 415.4  | 377.6  | 356.1  | 350.7  | 364.1  | 385.7  | 383.0  |
| 47.5° | 6050.2 | 3439.2 | 547.6  | 420.8  | 388.4  | 353.4  | 326.4  | 321.0  | 345.3  | 374.9  | 377.6  |
| 50°   | 6368.5 | 3687.3 | 528.7  | 401.9  | 369.5  | 329.1  | 304.8  | 299.4  | 326.4  | 364.1  | 372.2  |
| 52.5° | 6735.4 | 3954.4 | 515.2  | 377.6  | 348.0  | 310.2  | 283.2  | 277.8  | 307.5  | 356.1  | 358.8  |
| 55°   | 6975.4 | 4180.9 | 504.4  | 334.5  | 307.5  | 280.5  | 258.9  | 256.3  | 288.6  | 331.8  | 342.6  |
| 57.5° | 6694.9 | 3865.3 | 466.6  | 291.3  | 261.6  | 248.2  | 229.3  | 229.3  | 256.3  | 296.7  | 304.8  |
| 60°   | 5076.5 | 2543.6 | 331.8  | 234.7  | 221.2  | 213.1  | 205.0  | 205.0  | 226.6  | 256.3  | 258.9  |
| 62.5° | 2972.5 | 1370.3 | 213.1  | 188.8  | 188.8  | 180.7  | 167.2  | 167.2  | 188.8  | 205.0  | 207.7  |
| 65°   | 882.0  | 439.7  | 172.6  | 161.8  | 159.1  | 145.7  | 132.2  | 129.5  | 145.7  | 153.8  | 151.1  |
| 67.5° | 253.6  | 202.3  | 143.0  | 134.9  | 132.2  | 110.6  | 102.5  | 99.8   | 102.5  | 97.1   | 94.4   |
| 70°   | 151.1  | 137.6  | 110.6  | 113.3  | 99.8   | 80.9   | 72.8   | 70.1   | 64.7   | 56.6   | 51.3   |
| 72.5° | 83.6   | 83.6   | 80.9   | 86.3   | 70.1   | 53.9   | 45.9   | 37.8   | 29.7   | 24.3   | 21.6   |
| 75°   | 51.3   | 53.9   | 56.6   | 59.3   | 45.9   | 35.1   | 29.7   | 18.9   | 10.8   | 5.4    | 5.4    |
| 77.5° | 35.1   | 37.8   | 40.5   | 43.2   | 37.8   | 32.4   | 24.3   | 13.5   | 2.7    | 0.0    | 0.0    |
| 80°   | 27.0   | 29.7   | 35.1   | 37.8   | 40.5   | 43.2   | 32.4   | 13.5   | 2.7    | 0.0    | 0.0    |
| 82.5° | 29.7   | 32.4   | 40.5   | 37.8   | 37.8   | 37.8   | 29.7   | 13.5   | 2.7    | 0.0    | 0.0    |
| 85°   | 5.4    | 8.1    | 13.5   | 13.5   | 18.9   | 24.3   | 18.9   | 5.4    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 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)