

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: P455188

Luminaire Tested: **GLAN-SA6B-760-U-SL4-HSS**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P455188  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6B-760-U-SL4-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27755 lumens  
Efficiency: N/A  
Efficacy: 114.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

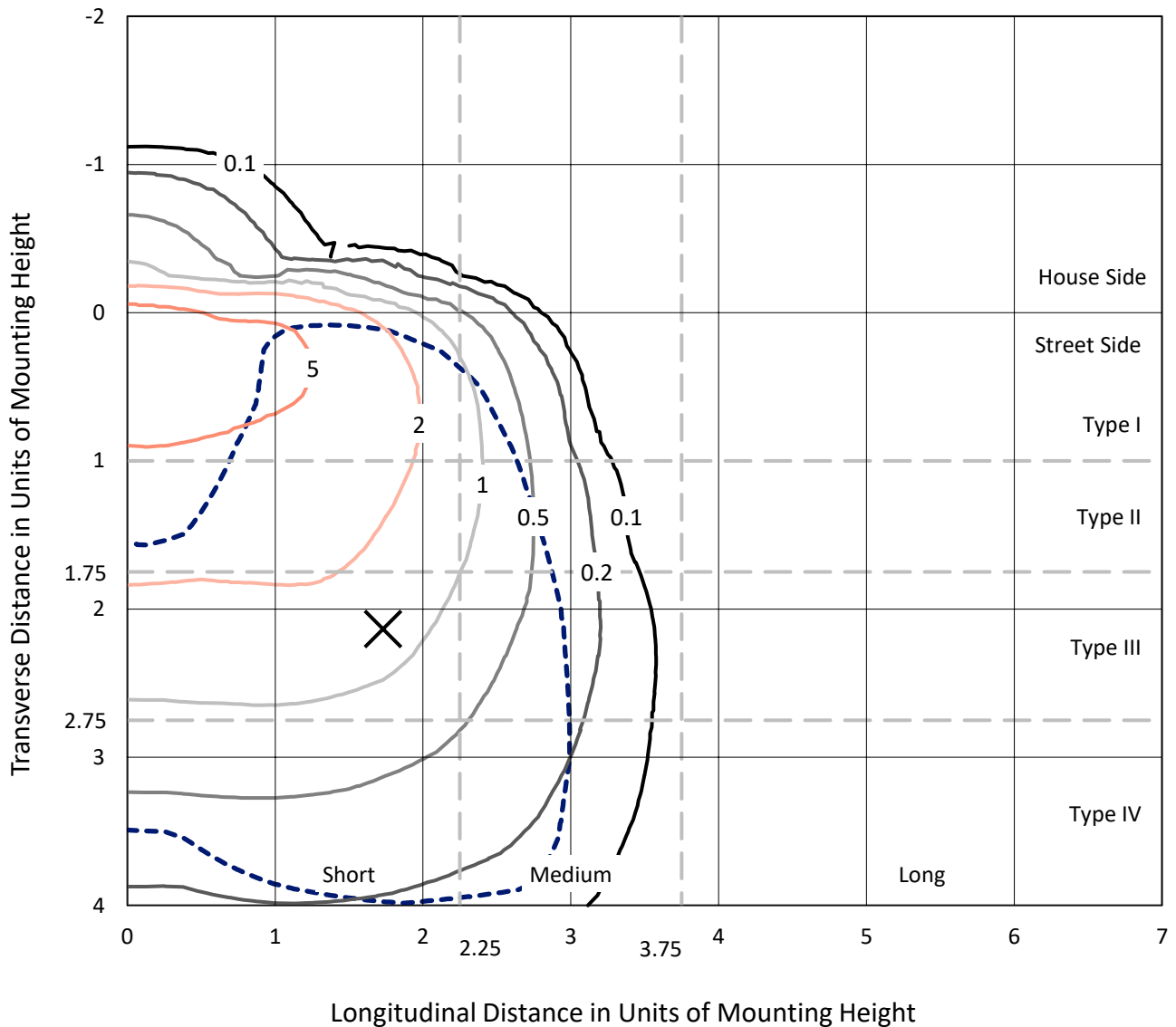
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

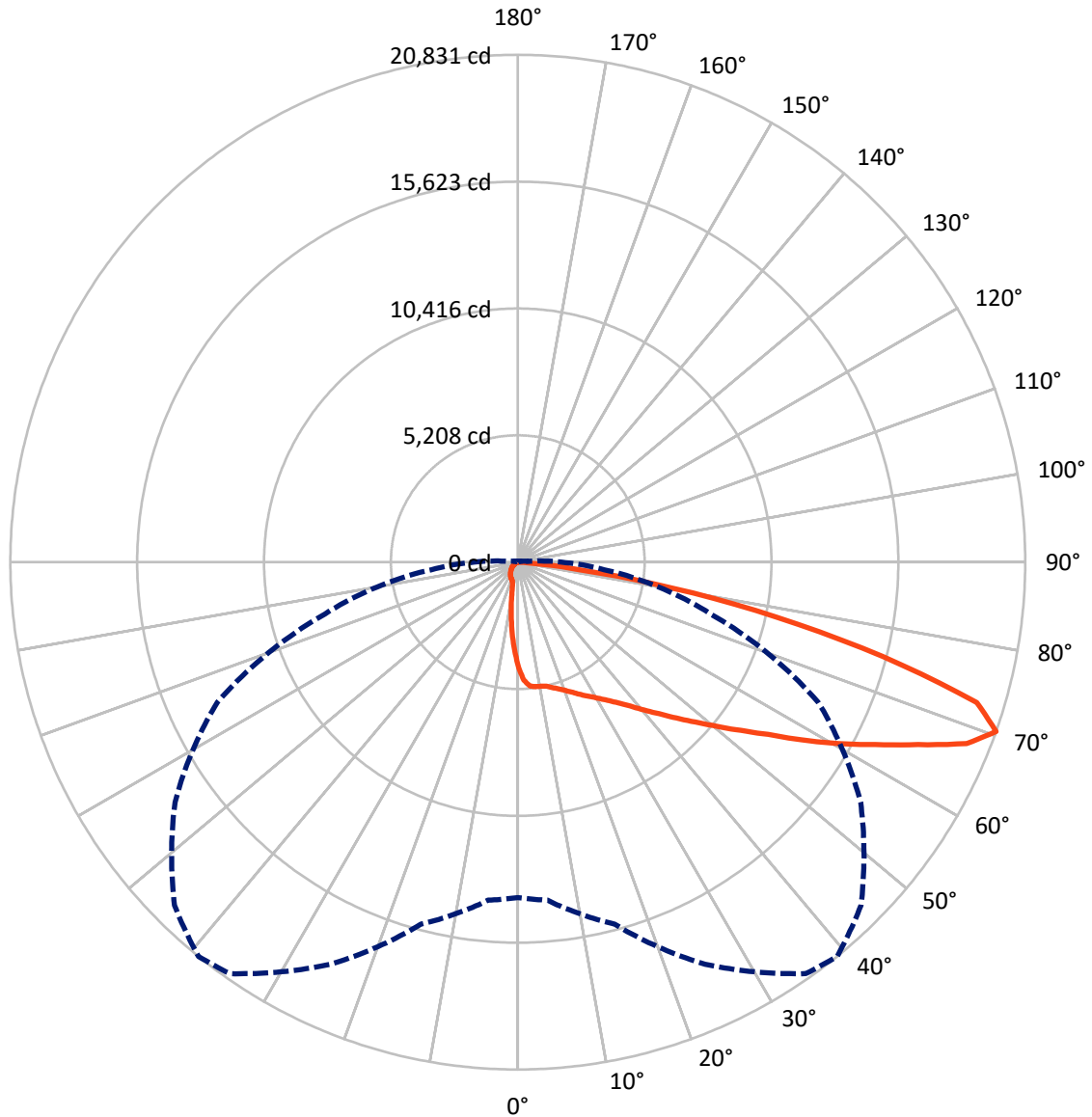
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1809.8   | 0.0    | 1809.8  |
|                    | % Fixture | 6.5      | 0.0    | 6.5     |
| <b>Street Side</b> | Lumens    | 25945.2  | 0.0    | 25945.2 |
|                    | % Fixture | 93.5     | 0.0    | 93.5    |
| <b>Total</b>       | Lumens    | 27755.0  | 0.0    | 27755.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 369.4   | 1.3       |
| 10°-20°   | 959.9   | 3.5       |
| 20°-30°   | 1608.1  | 5.8       |
| 30°-40°   | 2494.0  | 9.0       |
| 40°-50°   | 3952.2  | 14.2      |
| 50°-60°   | 5793.4  | 20.9      |
| 60°-70°   | 7425.7  | 26.8      |
| 70°-80°   | 4666.1  | 16.8      |
| 80°-90°   | 486.1   | 1.8       |
| 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°    | 27755.0 | 100.0     |
| 0°-180°   | 27755.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P455188

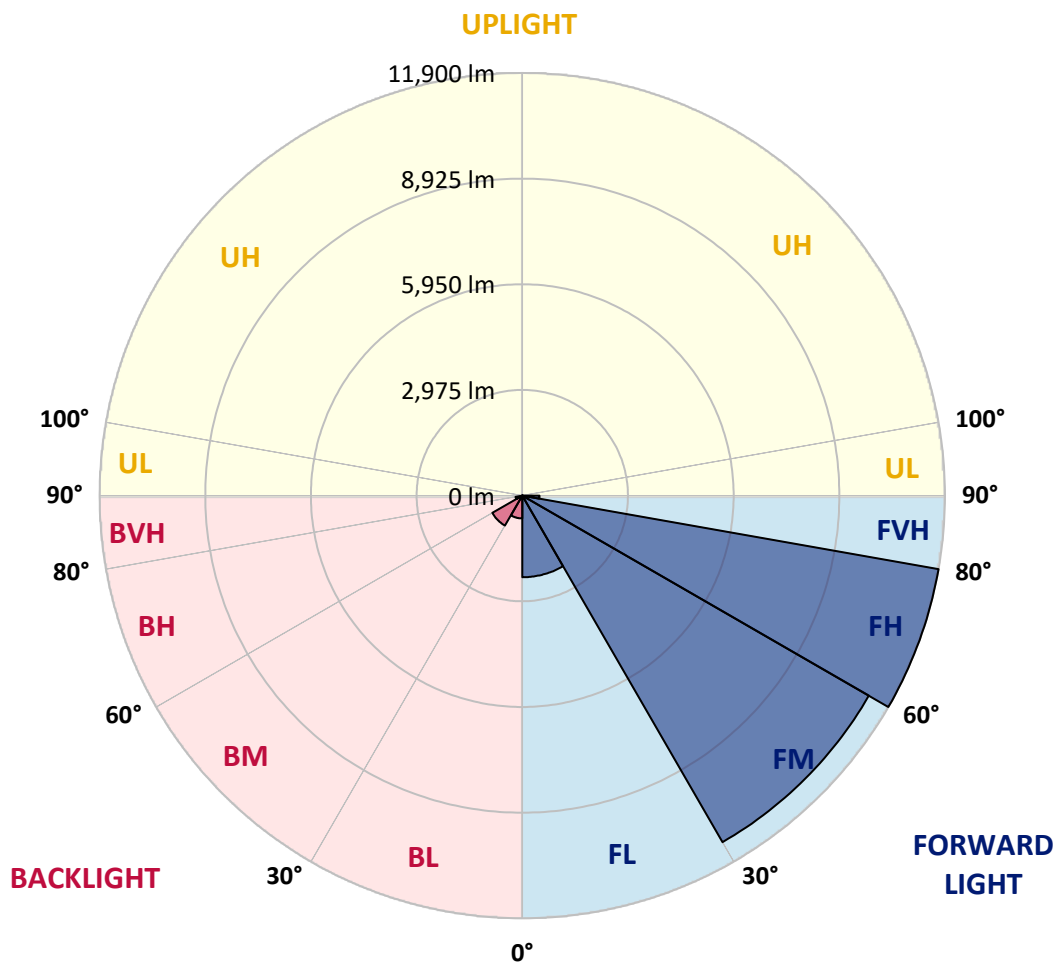
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 2296.6  | 8.3       |                         |      |          |
| FM   | (30°-60°)   | 11265.7 | 40.6      |                         |      |          |
| FH   | (60°-80°)   | 11900.4 | 42.9      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 482.5   | 1.7       |                         |      | G3/500   |
| BL   | (0°-30°)    | 640.8   | 2.3       | B2/1000                 |      |          |
| BM   | (30°-60°)   | 974.0   | 3.5       | B1/1000                 |      |          |
| BH   | (60°-80°)   | 191.4   | 0.7       | B1/500                  |      | G1/500   |
| BVH  | (80°-90°)   | 3.6     | 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-G4**

Type IV Short





REPORT NUMBER: P455188

CATALOG NUMBER: GLAN-SA6B-760-U-SL4-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 39°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4330.7  | 4330.7  | 4330.7  | 4330.7  | 4330.7  | 4330.7  | 4330.7  | 4330.7  | 4330.7  | 4330.7  | 4330.7  |
| 2.5°  | 5004.0  | 4987.2  | 4964.9  | 4938.8  | 4864.1  | 4851.1  | 4806.3  | 4711.2  | 4597.4  | 4504.2  | 4375.5  |
| 5°    | 5240.9  | 5250.2  | 5233.4  | 5186.8  | 5132.7  | 5101.0  | 5045.1  | 4897.7  | 4750.4  | 4562.0  | 4351.2  |
| 7.5°  | 5295.0  | 5313.6  | 5293.1  | 5248.4  | 5196.1  | 5162.6  | 5117.8  | 4991.0  | 4819.4  | 4604.9  | 4315.8  |
| 10°   | 5289.4  | 5311.8  | 5298.7  | 5257.7  | 5214.8  | 5183.1  | 5134.6  | 5033.9  | 4895.9  | 4670.2  | 4327.0  |
| 12.5° | 5280.1  | 5309.9  | 5308.0  | 5287.5  | 5252.1  | 5227.8  | 5198.0  | 5108.5  | 4979.8  | 4765.3  | 4388.5  |
| 15°   | 5254.0  | 5291.3  | 5324.8  | 5341.6  | 5343.5  | 5343.5  | 5306.2  | 5211.1  | 5088.0  | 4890.3  | 4468.7  |
| 17.5° | 5265.1  | 5308.0  | 5392.0  | 5440.5  | 5474.0  | 5470.3  | 5431.1  | 5328.6  | 5192.4  | 5018.9  | 4552.7  |
| 20°   | 5334.1  | 5392.0  | 5509.5  | 5606.5  | 5640.0  | 5628.8  | 5576.6  | 5457.2  | 5302.4  | 5129.0  | 4634.7  |
| 22.5° | 5503.9  | 5556.1  | 5703.4  | 5817.2  | 5841.5  | 5811.6  | 5737.0  | 5574.7  | 5434.9  | 5248.4  | 4733.6  |
| 25°   | 5757.5  | 5819.1  | 5955.2  | 6041.0  | 6041.0  | 6024.2  | 5919.8  | 5729.5  | 5584.1  | 5414.3  | 4862.3  |
| 27.5° | 6065.3  | 6117.5  | 6251.8  | 6328.2  | 6283.5  | 6235.0  | 6130.5  | 5901.1  | 5761.3  | 5623.2  | 5017.1  |
| 30°   | 6376.7  | 6410.3  | 6552.1  | 6585.6  | 6539.0  | 6477.4  | 6365.5  | 6136.1  | 6013.0  | 5906.7  | 5240.9  |
| 32.5° | 6671.4  | 6744.2  | 6861.7  | 6854.2  | 6790.8  | 6760.9  | 6658.4  | 6414.0  | 6345.0  | 6333.8  | 5554.2  |
| 35°   | 6966.1  | 7022.1  | 7126.5  | 7152.6  | 7096.7  | 7091.1  | 7016.5  | 6835.5  | 6837.4  | 6910.1  | 6042.9  |
| 37.5° | 7219.8  | 7270.1  | 7393.2  | 7451.0  | 7462.2  | 7490.2  | 7460.3  | 7341.0  | 7510.7  | 7710.3  | 6690.1  |
| 40°   | 7432.4  | 7503.2  | 7659.9  | 7760.6  | 7876.3  | 7978.8  | 7984.4  | 8010.5  | 8351.9  | 8695.0  | 7535.0  |
| 42.5° | 7598.4  | 7697.2  | 7924.8  | 8111.3  | 8376.1  | 8506.7  | 8611.1  | 8754.7  | 9329.2  | 9842.1  | 8530.9  |
| 45°   | 7814.7  | 7928.5  | 8212.0  | 8504.8  | 8918.8  | 9133.3  | 9278.8  | 9663.0  | 10478.1 | 11177.5 | 9553.0  |
| 47.5° | 8172.8  | 8232.5  | 8521.6  | 8948.7  | 9493.3  | 9799.2  | 10082.7 | 10664.6 | 11710.9 | 12337.6 | 10403.5 |
| 50°   | 8633.5  | 8672.7  | 8890.9  | 9484.0  | 10189.0 | 10591.8 | 11108.5 | 11792.9 | 12990.3 | 13299.9 | 10884.6 |
| 52.5° | 9142.7  | 9155.7  | 9319.8  | 10073.3 | 10968.6 | 11475.9 | 12054.1 | 12898.9 | 14032.9 | 13986.3 | 11203.6 |
| 55°   | 9733.9  | 9715.2  | 9855.1  | 10713.1 | 11891.8 | 12471.8 | 13145.1 | 14031.0 | 14937.5 | 14473.1 | 11386.4 |
| 57.5° | 10410.9 | 10360.6 | 10496.7 | 11561.7 | 13074.3 | 13768.1 | 14452.6 | 15008.4 | 15638.8 | 14881.5 | 11474.0 |
| 60°   | 11119.6 | 11018.9 | 11181.2 | 12514.7 | 14467.5 | 15125.9 | 15694.7 | 15843.9 | 16377.3 | 15206.1 | 11322.9 |
| 62.5° | 11684.8 | 11686.6 | 11988.8 | 13529.3 | 15899.9 | 16476.2 | 16778.3 | 16912.6 | 17013.3 | 15135.2 | 10528.4 |
| 65°   | 12567.0 | 12596.8 | 13079.9 | 14937.5 | 17557.9 | 18057.8 | 18264.8 | 17828.4 | 17041.3 | 14254.9 | 9334.8  |
| 67.5° | 13477.1 | 13572.2 | 14456.3 | 16877.2 | 19473.4 | 19876.2 | 19609.5 | 18005.5 | 16280.3 | 12246.2 | 7078.0  |
| 70°   | 13773.7 | 13930.3 | 15387.0 | 18212.6 | 20622.3 | 20831.2 | 19928.5 | 17179.3 | 13609.5 | 8187.7  | 3562.3  |
| 72.5° | 12621.0 | 12874.7 | 14851.7 | 17725.8 | 19889.3 | 19708.4 | 17830.2 | 14407.8 | 8652.1  | 3109.1  | 1087.3  |
| 75°   | 8900.2  | 9012.1  | 12343.1 | 14704.3 | 15996.9 | 15484.0 | 13562.9 | 9288.1  | 3558.6  | 872.9   | 373.0   |
| 77.5° | 4595.6  | 4541.5  | 7341.0  | 9756.3  | 11408.7 | 10877.2 | 8881.5  | 4808.2  | 1348.5  | 363.7   | 231.3   |
| 80°   | 2376.1  | 2415.3  | 3176.2  | 5112.2  | 6964.2  | 6408.4  | 4735.5  | 2228.8  | 718.1   | 201.4   | 177.2   |
| 82.5° | 1331.7  | 1249.6  | 1825.9  | 2232.5  | 3256.4  | 2553.3  | 1816.6  | 1577.9  | 313.3   | 121.2   | 167.9   |
| 85°   | 242.5   | 253.7   | 1001.6  | 1206.7  | 1130.2  | 718.1   | 585.6   | 1053.8  | 91.4    | 67.1    | 117.5   |
| 87.5° | 3.7     | 3.7     | 194.0   | 346.9   | 220.1   | 100.7   | 184.6   | 151.1   | 18.7    | 26.1    | 20.5    |
| 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°    | 4330.7 | 4330.7 | 4330.7 | 4330.7 | 4330.7 | 4330.7 | 4330.7 | 4330.7 | 4330.7 | 4330.7 | 4330.7 |
| 2.5°  | 4310.2 | 4239.3 | 4106.9 | 3976.4 | 3810.4 | 3674.2 | 3582.8 | 3487.7 | 3390.7 | 3398.2 | 3420.6 |
| 5°    | 4235.6 | 4112.5 | 3851.4 | 3575.4 | 3310.5 | 3071.8 | 2836.8 | 2626.0 | 2540.2 | 2461.9 | 2465.6 |
| 7.5°  | 4161.0 | 3987.6 | 3605.2 | 3172.5 | 2771.5 | 2364.9 | 2070.2 | 1827.8 | 1699.1 | 1602.1 | 1574.1 |
| 10°   | 4127.4 | 3898.0 | 3379.5 | 2784.6 | 2215.7 | 1771.8 | 1393.2 | 1195.5 | 1042.6 | 994.1  | 1007.1 |
| 12.5° | 4142.4 | 3853.3 | 3176.2 | 2433.9 | 1756.9 | 1234.7 | 969.8  | 869.1  | 835.6  | 830.0  | 826.2  |
| 15°   | 4170.3 | 3821.6 | 2976.7 | 2046.0 | 1290.6 | 917.6  | 815.0  | 796.4  | 792.7  | 788.9  | 790.8  |
| 17.5° | 4207.6 | 3793.6 | 2764.1 | 1682.3 | 990.4  | 802.0  | 772.1  | 762.8  | 761.0  | 761.0  | 761.0  |
| 20°   | 4244.9 | 3761.9 | 2527.2 | 1357.8 | 826.2  | 757.2  | 738.6  | 733.0  | 731.1  | 731.1  | 729.2  |
| 22.5° | 4287.8 | 3733.9 | 2286.6 | 1066.8 | 761.0  | 725.5  | 708.7  | 705.0  | 703.1  | 701.3  | 701.3  |
| 25°   | 4349.4 | 3698.5 | 2031.1 | 872.9  | 719.9  | 695.7  | 678.9  | 675.2  | 673.3  | 665.8  | 667.7  |
| 27.5° | 4431.4 | 3672.4 | 1768.1 | 753.5  | 682.6  | 658.4  | 647.2  | 641.6  | 637.9  | 632.3  | 634.1  |
| 30°   | 4543.4 | 3650.0 | 1488.3 | 688.2  | 639.7  | 619.2  | 608.0  | 604.3  | 600.6  | 595.0  | 595.0  |
| 32.5° | 4737.3 | 3659.3 | 1193.7 | 636.0  | 600.6  | 576.3  | 565.1  | 561.4  | 557.7  | 552.1  | 552.1  |
| 35°   | 5028.3 | 3713.4 | 954.9  | 591.2  | 553.9  | 529.7  | 518.5  | 518.5  | 512.9  | 505.4  | 503.6  |
| 37.5° | 5503.9 | 3851.4 | 766.6  | 548.3  | 509.2  | 486.8  | 473.7  | 470.0  | 464.4  | 453.2  | 451.4  |
| 40°   | 6065.3 | 4065.9 | 645.3  | 505.4  | 468.1  | 445.8  | 434.6  | 423.4  | 408.5  | 397.3  | 395.4  |
| 42.5° | 6770.3 | 4286.0 | 559.5  | 462.5  | 429.0  | 408.5  | 395.4  | 376.7  | 354.4  | 339.4  | 337.6  |
| 45°   | 7505.1 | 4487.4 | 501.7  | 423.4  | 391.7  | 374.9  | 360.0  | 330.1  | 302.1  | 283.5  | 281.6  |
| 47.5° | 8053.4 | 4524.7 | 455.1  | 386.1  | 360.0  | 343.2  | 322.7  | 285.4  | 248.1  | 231.3  | 225.7  |
| 50°   | 8312.7 | 4343.8 | 406.6  | 348.8  | 328.3  | 309.6  | 283.5  | 240.6  | 199.6  | 179.0  | 175.3  |
| 52.5° | 8404.1 | 4030.5 | 367.4  | 315.2  | 296.5  | 274.2  | 242.5  | 194.0  | 156.7  | 136.2  | 134.3  |
| 55°   | 8366.8 | 3635.1 | 332.0  | 283.5  | 259.2  | 233.1  | 201.4  | 154.8  | 115.6  | 98.8   | 95.1   |
| 57.5° | 8170.9 | 3131.5 | 296.5  | 251.8  | 221.9  | 195.8  | 160.4  | 115.6  | 78.3   | 63.4   | 61.5   |
| 60°   | 7643.1 | 2445.1 | 261.1  | 216.4  | 188.4  | 160.4  | 126.8  | 82.1   | 48.5   | 35.4   | 35.4   |
| 62.5° | 6751.6 | 1814.7 | 227.5  | 180.9  | 158.5  | 128.7  | 89.5   | 52.2   | 26.1   | 18.7   | 16.8   |
| 65°   | 5641.9 | 1339.1 | 190.2  | 152.9  | 132.4  | 100.7  | 63.4   | 31.7   | 13.1   | 5.6    | 3.7    |
| 67.5° | 3937.2 | 826.2  | 158.5  | 125.0  | 108.2  | 72.7   | 39.2   | 13.1   | 5.6    | 0.0    | 0.0    |
| 70°   | 1788.6 | 393.5  | 121.2  | 95.1   | 82.1   | 52.2   | 20.5   | 7.5    | 3.7    | 0.0    | 0.0    |
| 72.5° | 555.8  | 207.0  | 85.8   | 69.0   | 56.0   | 33.6   | 11.2   | 5.6    | 3.7    | 0.0    | 0.0    |
| 75°   | 257.4  | 132.4  | 54.1   | 37.3   | 31.7   | 16.8   | 7.5    | 3.7    | 1.9    | 0.0    | 0.0    |
| 77.5° | 192.1  | 102.6  | 31.7   | 20.5   | 16.8   | 11.2   | 5.6    | 3.7    | 1.9    | 0.0    | 0.0    |
| 80°   | 167.9  | 52.2   | 18.7   | 13.1   | 9.3    | 7.5    | 3.7    | 1.9    | 0.0    | 0.0    | 0.0    |
| 82.5° | 151.1  | 26.1   | 11.2   | 7.5    | 5.6    | 3.7    | 1.9    | 1.9    | 0.0    | 0.0    | 0.0    |
| 85°   | 82.1   | 14.9   | 7.5    | 5.6    | 3.7    | 1.9    | 1.9    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 14.9   | 7.5    | 5.6    | 3.7    | 3.7    | 1.9    | 1.9    | 1.9    | 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)