

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: P530001

Luminaire Tested: **GLAN-SA5B-722-U-SL3-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530001  
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-SA5B-722-U-SL3-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 2200K, 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: 12251 lumens  
Efficiency: N/A  
Efficacy: 60.1 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): 204  
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

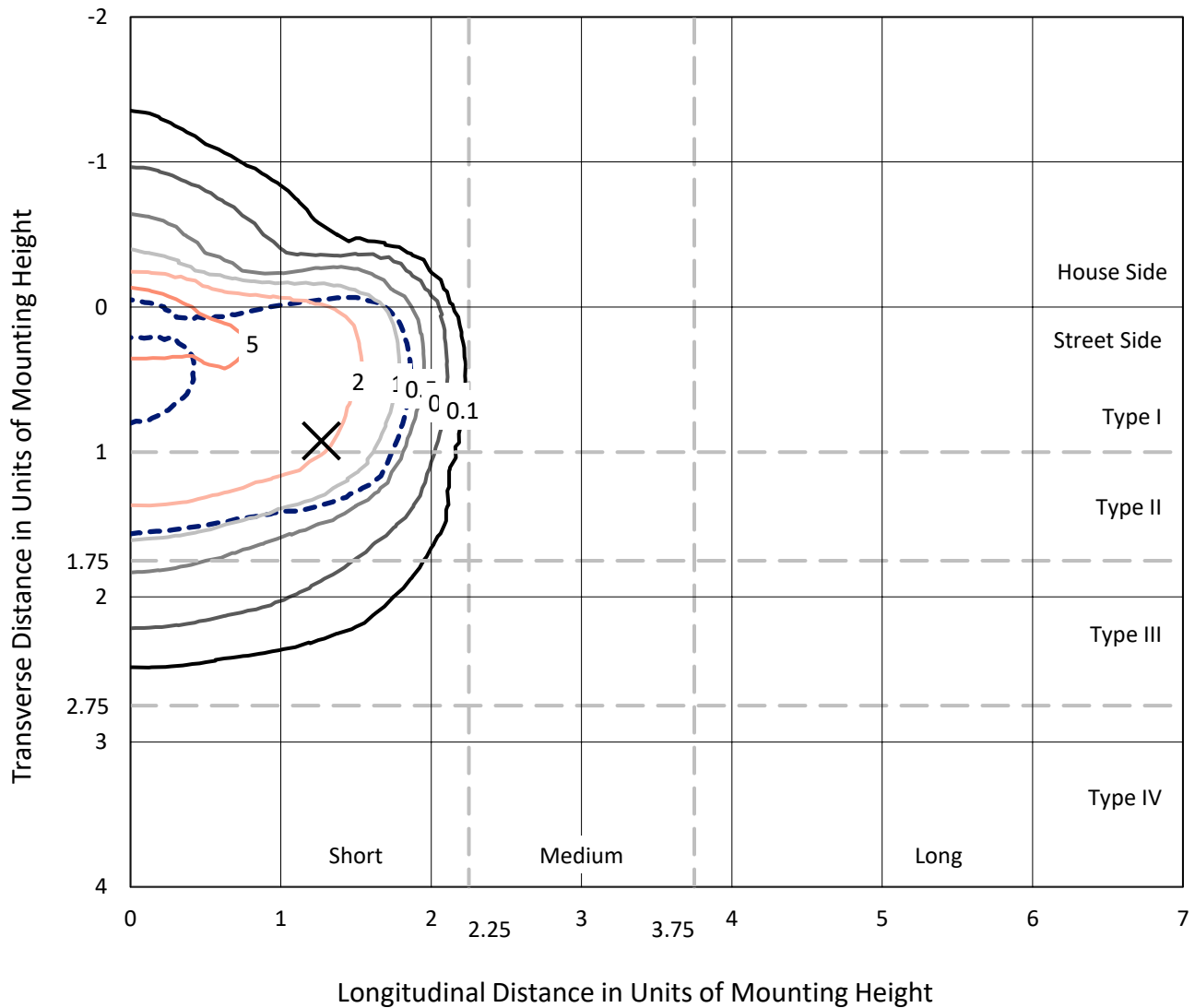


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## Iso-Footcandle Lines of Horizontal Illumination

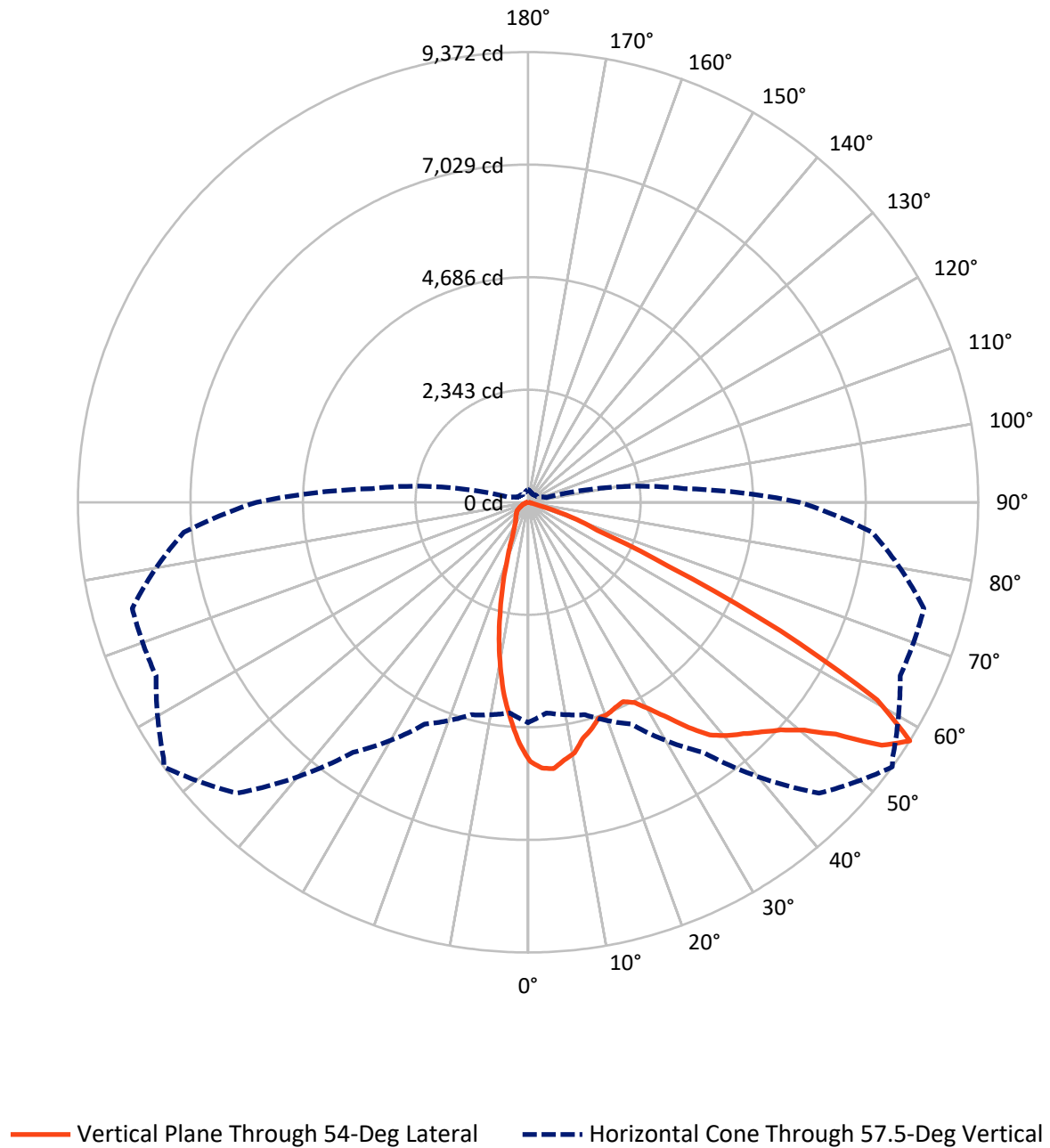
✕ Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc  
Type II - Short - N/A

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## Luminous Intensity Polar Plot



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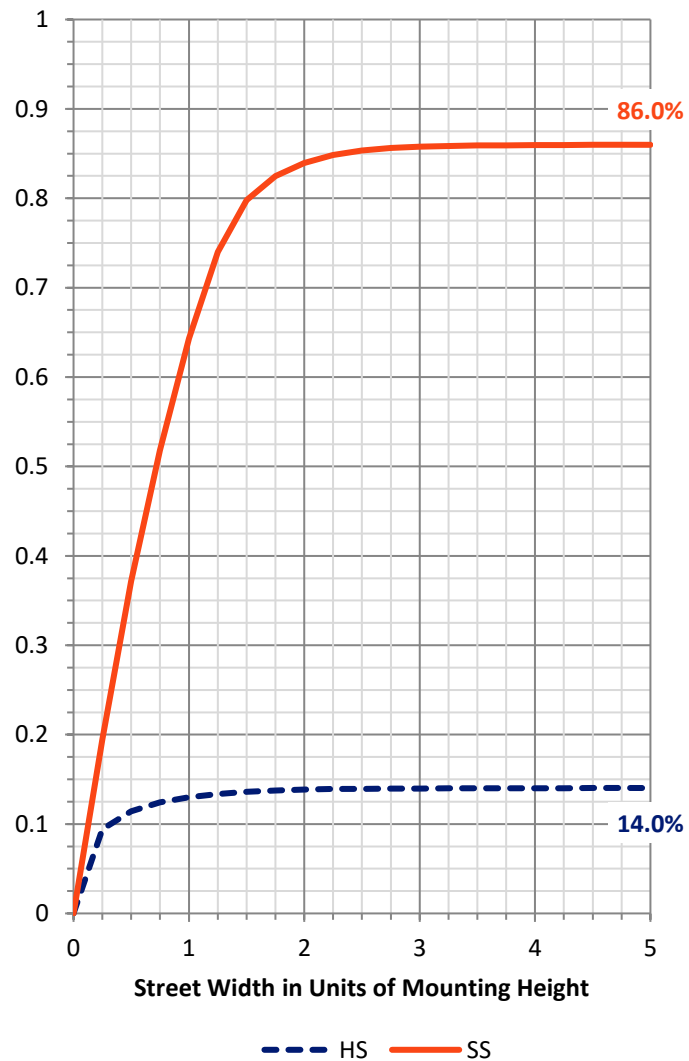
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1731.3   | 0.0    | 1731.3  |
|                    | % Fixture | 14.1     | 0.0    | 14.1    |
| <b>Street Side</b> | Lumens    | 10519.7  | 0.0    | 10519.7 |
|                    | % Fixture | 85.9     | 0.0    | 85.9    |
| <b>Total</b>       | Lumens    | 12251.0  | 0.0    | 12251.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 451.6   | 3.7       |
| 10°-20°   | 964.2   | 7.9       |
| 20°-30°   | 1277.7  | 10.4      |
| 30°-40°   | 1856.9  | 15.2      |
| 40°-50°   | 2753.5  | 22.5      |
| 50°-60°   | 3443.2  | 28.1      |
| 60°-70°   | 1358.2  | 11.1      |
| 70°-80°   | 135.2   | 1.1       |
| 80°-90°   | 10.5    | 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°    | 12251.0 | 100.0     |
| 0°-180°   | 12251.0 | 100.0     |

**Coefficient of Utilization**



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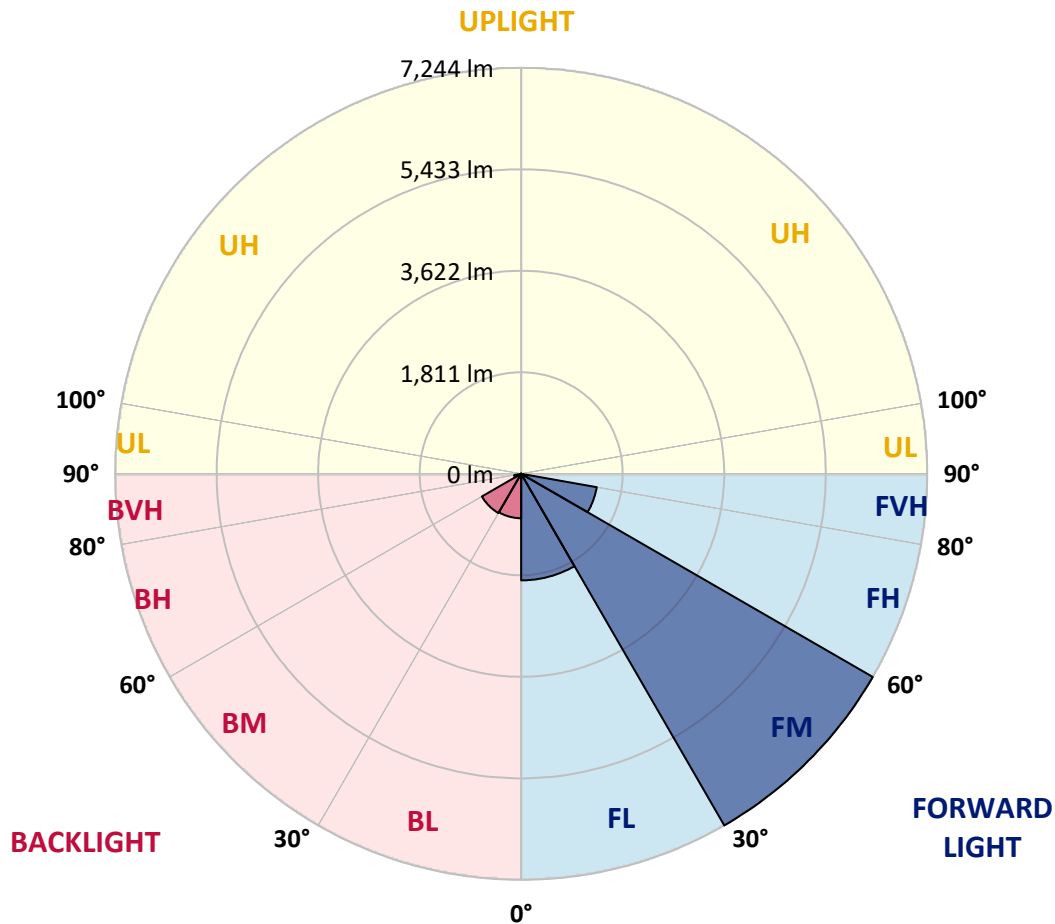
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1901.7 | 15.5      |                         |      |         |
| FM   | (30°-60°)   | 7244.0 | 59.1      |                         |      |         |
| FH   | (60°-80°)   | 1369.3 | 11.2      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 4.8    | 0.0       |                         |      | G0/10   |
| BL   | (0°-30°)    | 791.8  | 6.5       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 809.6  | 6.6       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 124.1  | 1.0       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 5.7    | 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°    | 5396.7 | 5396.7 | 5396.7 | 5396.7 | 5396.7 | 5396.7 | 5396.7 | 5396.7 | 5396.7 | 5396.7 | 5396.7 |
| 2.5°  | 5711.1 | 5651.9 | 5656.4 | 5635.9 | 5608.6 | 5629.1 | 5540.2 | 5560.8 | 5558.5 | 5437.7 | 5358.0 |
| 5°    | 5567.6 | 5631.4 | 5565.3 | 5620.0 | 5567.6 | 5624.5 | 5569.9 | 5528.9 | 5462.8 | 5373.9 | 5225.9 |
| 7.5°  | 5323.8 | 5262.3 | 5280.5 | 5348.9 | 5360.3 | 5487.9 | 5419.5 | 5471.9 | 5444.6 | 5269.2 | 5066.4 |
| 10°   | 4834.0 | 4820.4 | 4911.5 | 5002.6 | 5114.3 | 5250.9 | 5303.3 | 5273.7 | 5253.2 | 5187.1 | 4916.1 |
| 12.5° | 4458.2 | 4496.9 | 4494.6 | 4645.0 | 4834.0 | 4911.5 | 5048.2 | 5043.6 | 5157.5 | 5034.5 | 4774.8 |
| 15°   | 4100.5 | 4121.0 | 4216.7 | 4310.1 | 4519.7 | 4740.6 | 4909.2 | 4932.0 | 5068.7 | 4982.1 | 4665.5 |
| 17.5° | 3881.8 | 3852.2 | 3927.4 | 4039.0 | 4253.1 | 4542.5 | 4729.3 | 4783.9 | 4970.7 | 4952.5 | 4540.2 |
| 20°   | 3665.4 | 3665.4 | 3726.9 | 3859.0 | 4055.0 | 4380.7 | 4713.3 | 4697.4 | 4970.7 | 4918.3 | 4405.8 |
| 22.5° | 3592.5 | 3629.0 | 3644.9 | 3745.1 | 3977.5 | 4257.7 | 4645.0 | 4674.6 | 5009.5 | 4902.4 | 4346.5 |
| 25°   | 3692.7 | 3644.9 | 3649.5 | 3729.2 | 3947.9 | 4198.5 | 4594.9 | 4660.9 | 5080.1 | 4982.1 | 4298.7 |
| 27.5° | 3708.7 | 3756.5 | 3770.2 | 3824.9 | 3970.7 | 4216.7 | 4720.1 | 4854.6 | 5255.5 | 5168.9 | 4312.4 |
| 30°   | 3847.6 | 3895.5 | 3893.2 | 3986.6 | 4086.8 | 4364.8 | 5000.3 | 5027.7 | 5617.7 | 5403.6 | 4396.7 |
| 32.5° | 4016.2 | 4066.3 | 4082.3 | 4191.6 | 4271.4 | 4635.9 | 5342.1 | 5412.7 | 5966.2 | 5772.6 | 4617.6 |
| 35°   | 4225.8 | 4207.6 | 4280.5 | 4389.8 | 4560.7 | 5032.2 | 5758.9 | 5877.4 | 6342.1 | 6251.0 | 4845.4 |
| 37.5° | 4487.8 | 4465.0 | 4535.6 | 4713.3 | 4945.7 | 5501.5 | 6143.9 | 6221.4 | 6615.5 | 6695.2 | 5266.9 |
| 40°   | 4672.3 | 4681.4 | 4895.6 | 5134.8 | 5380.8 | 5948.0 | 6387.7 | 6462.9 | 6806.9 | 7109.8 | 5585.8 |
| 42.5° | 4979.8 | 5036.8 | 5294.2 | 5585.8 | 5843.2 | 6282.9 | 6585.9 | 6658.8 | 6895.7 | 7442.4 | 6016.4 |
| 45°   | 5426.3 | 5401.3 | 5686.0 | 6011.8 | 6296.6 | 6631.4 | 6820.5 | 6795.5 | 6948.1 | 7772.7 | 6287.5 |
| 47.5° | 6000.4 | 6005.0 | 6194.1 | 6472.0 | 6768.1 | 6934.4 | 7082.5 | 6993.7 | 7057.4 | 8121.3 | 6649.7 |
| 50°   | 6392.2 | 6426.4 | 6579.0 | 6863.8 | 7011.9 | 7267.0 | 7456.1 | 7401.4 | 7380.9 | 8330.9 | 6877.5 |
| 52.5° | 6492.5 | 6595.0 | 6677.0 | 7032.4 | 7378.6 | 7781.9 | 8023.3 | 8139.5 | 7775.0 | 8401.5 | 7166.8 |
| 55°   | 5736.2 | 5827.3 | 6116.6 | 6604.1 | 7517.6 | 8597.4 | 8930.0 | 8932.3 | 8289.9 | 8715.9 | 7369.5 |
| 57.5° | 4585.7 | 4401.2 | 4578.9 | 5096.0 | 6355.8 | 8563.2 | 9371.9 | 9264.9 | 8547.3 | 8531.3 | 7194.1 |
| 60°   | 3171.1 | 3125.5 | 3136.9 | 3341.9 | 4398.9 | 6811.4 | 8351.4 | 8490.3 | 7870.7 | 7394.6 | 5695.2 |
| 62.5° | 2512.7 | 2474.0 | 2423.9 | 2401.1 | 2731.4 | 4244.0 | 5891.1 | 6087.0 | 5503.8 | 4795.3 | 3376.1 |
| 65°   | 1968.2 | 1945.5 | 1952.3 | 2043.4 | 2041.1 | 2407.9 | 3221.2 | 3141.4 | 2515.0 | 1858.9 | 1061.6 |
| 67.5° | 1328.1 | 1362.3 | 1389.6 | 1665.3 | 1806.5 | 1676.7 | 1555.9 | 1510.4 | 817.8  | 344.0  | 234.6  |
| 70°   | 747.2  | 751.8  | 781.4  | 1041.1 | 1371.4 | 1300.8 | 1073.0 | 1073.0 | 407.8  | 125.3  | 134.4  |
| 72.5° | 407.8  | 394.1  | 366.8  | 448.8  | 610.5  | 619.6  | 478.4  | 416.9  | 120.7  | 82.0   | 75.2   |
| 75°   | 198.2  | 195.9  | 168.6  | 139.0  | 132.1  | 109.3  | 84.3   | 77.5   | 54.7   | 52.4   | 45.6   |
| 77.5° | 41.0   | 38.7   | 20.5   | 20.5   | 22.8   | 25.1   | 31.9   | 31.9   | 38.7   | 38.7   | 31.9   |
| 80°   | 0.0    | 0.0    | 2.3    | 9.1    | 15.9   | 22.8   | 27.3   | 27.3   | 31.9   | 31.9   | 25.1   |
| 82.5° | 0.0    | 0.0    | 2.3    | 6.8    | 13.7   | 20.5   | 25.1   | 27.3   | 31.9   | 34.2   | 27.3   |
| 85°   | 0.0    | 0.0    | 0.0    | 4.6    | 11.4   | 15.9   | 13.7   | 13.7   | 11.4   | 9.1    | 4.6    |
| 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°    | 5396.7 | 5396.7 | 5396.7 | 5396.7 | 5396.7 | 5396.7 | 5396.7 | 5396.7 | 5396.7 | 5396.7 | 5396.7 |
| 2.5°  | 5317.0 | 5312.4 | 5207.7 | 5148.4 | 5041.4 | 4948.0 | 4872.8 | 4818.1 | 4818.1 | 4783.9 | 4752.0 |
| 5°    | 5166.6 | 5127.9 | 4904.7 | 4761.2 | 4558.4 | 4408.1 | 4305.5 | 4225.8 | 4100.5 | 4134.7 | 4000.3 |
| 7.5°  | 4979.8 | 4881.9 | 4585.7 | 4367.0 | 4086.8 | 3872.7 | 3654.0 | 3460.4 | 3273.6 | 3189.3 | 3234.8 |
| 10°   | 4779.4 | 4608.5 | 4209.9 | 3863.6 | 3515.1 | 3123.2 | 2868.1 | 2558.3 | 2366.9 | 2355.5 | 2305.4 |
| 12.5° | 4567.5 | 4373.9 | 3888.7 | 3410.3 | 2952.4 | 2480.8 | 2091.3 | 1801.9 | 1672.1 | 1528.6 | 1555.9 |
| 15°   | 4408.1 | 4121.0 | 3531.0 | 2954.6 | 2346.4 | 1870.3 | 1478.5 | 1255.2 | 1132.2 | 1098.0 | 1086.6 |
| 17.5° | 4234.9 | 3927.4 | 3166.5 | 2469.4 | 1840.7 | 1346.3 | 1063.9 | 956.8  | 908.9  | 908.9  | 902.1  |
| 20°   | 4055.0 | 3708.7 | 2804.3 | 2018.4 | 1380.5 | 1004.6 | 852.0  | 817.8  | 815.5  | 813.3  | 813.3  |
| 22.5° | 3936.5 | 3458.1 | 2476.3 | 1603.8 | 1041.1 | 804.2  | 740.4  | 726.7  | 735.8  | 763.2  | 763.2  |
| 25°   | 3811.2 | 3216.6 | 2114.0 | 1237.0 | 806.4  | 690.3  | 653.8  | 662.9  | 685.7  | 710.8  | 701.6  |
| 27.5° | 3683.6 | 3059.4 | 1772.3 | 970.5  | 660.6  | 603.7  | 590.0  | 610.5  | 635.6  | 658.4  | 651.5  |
| 30°   | 3654.0 | 2890.9 | 1448.8 | 735.8  | 567.2  | 526.2  | 535.3  | 553.6  | 578.6  | 587.7  | 596.9  |
| 32.5° | 3699.6 | 2758.7 | 1186.9 | 603.7  | 494.3  | 482.9  | 482.9  | 492.1  | 508.0  | 528.5  | 521.7  |
| 35°   | 3829.4 | 2683.6 | 938.6  | 524.0  | 453.3  | 441.9  | 439.7  | 448.8  | 457.9  | 464.7  | 457.9  |
| 37.5° | 4027.6 | 2624.3 | 767.7  | 464.7  | 426.0  | 407.8  | 403.2  | 400.9  | 410.1  | 412.3  | 416.9  |
| 40°   | 4280.5 | 2656.2 | 651.5  | 428.3  | 398.7  | 378.2  | 364.5  | 364.5  | 364.5  | 371.3  | 373.6  |
| 42.5° | 4553.8 | 2699.5 | 562.7  | 407.8  | 373.6  | 348.5  | 334.9  | 330.3  | 334.9  | 344.0  | 341.7  |
| 45°   | 4840.9 | 2783.8 | 505.7  | 375.9  | 350.8  | 318.9  | 300.7  | 296.1  | 307.5  | 325.8  | 323.5  |
| 47.5° | 5109.7 | 2904.5 | 462.4  | 355.4  | 328.0  | 298.4  | 275.6  | 271.1  | 291.6  | 316.7  | 318.9  |
| 50°   | 5378.5 | 3114.1 | 446.5  | 339.4  | 312.1  | 277.9  | 257.4  | 252.9  | 275.6  | 307.5  | 314.4  |
| 52.5° | 5688.3 | 3339.6 | 435.1  | 318.9  | 293.9  | 262.0  | 239.2  | 234.6  | 259.7  | 300.7  | 303.0  |
| 55°   | 5891.1 | 3531.0 | 426.0  | 282.5  | 259.7  | 236.9  | 218.7  | 216.4  | 243.8  | 280.2  | 289.3  |
| 57.5° | 5654.2 | 3264.5 | 394.1  | 246.0  | 221.0  | 209.6  | 193.6  | 193.6  | 216.4  | 250.6  | 257.4  |
| 60°   | 4287.3 | 2148.2 | 280.2  | 198.2  | 186.8  | 180.0  | 173.1  | 173.1  | 191.4  | 216.4  | 218.7  |
| 62.5° | 2510.4 | 1157.3 | 180.0  | 159.5  | 159.5  | 152.6  | 141.2  | 141.2  | 159.5  | 173.1  | 175.4  |
| 65°   | 744.9  | 371.3  | 145.8  | 136.7  | 134.4  | 123.0  | 111.6  | 109.3  | 123.0  | 129.8  | 127.6  |
| 67.5° | 214.1  | 170.9  | 120.7  | 113.9  | 111.6  | 93.4   | 86.6   | 84.3   | 86.6   | 82.0   | 79.7   |
| 70°   | 127.6  | 116.2  | 93.4   | 95.7   | 84.3   | 68.3   | 61.5   | 59.2   | 54.7   | 47.8   | 43.3   |
| 72.5° | 70.6   | 70.6   | 68.3   | 72.9   | 59.2   | 45.6   | 38.7   | 31.9   | 25.1   | 20.5   | 18.2   |
| 75°   | 43.3   | 45.6   | 47.8   | 50.1   | 38.7   | 29.6   | 25.1   | 15.9   | 9.1    | 4.6    | 4.6    |
| 77.5° | 29.6   | 31.9   | 34.2   | 36.4   | 31.9   | 27.3   | 20.5   | 11.4   | 2.3    | 0.0    | 0.0    |
| 80°   | 22.8   | 25.1   | 29.6   | 31.9   | 34.2   | 36.4   | 27.3   | 11.4   | 2.3    | 0.0    | 0.0    |
| 82.5° | 25.1   | 27.3   | 34.2   | 31.9   | 31.9   | 31.9   | 25.1   | 11.4   | 2.3    | 0.0    | 0.0    |
| 85°   | 4.6    | 6.8    | 11.4   | 11.4   | 15.9   | 20.5   | 15.9   | 4.6    | 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)