

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: P950565

Luminaire Tested: **GLAN-SB5A-727-U-AFL-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P950565  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5A-727-U-AFL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

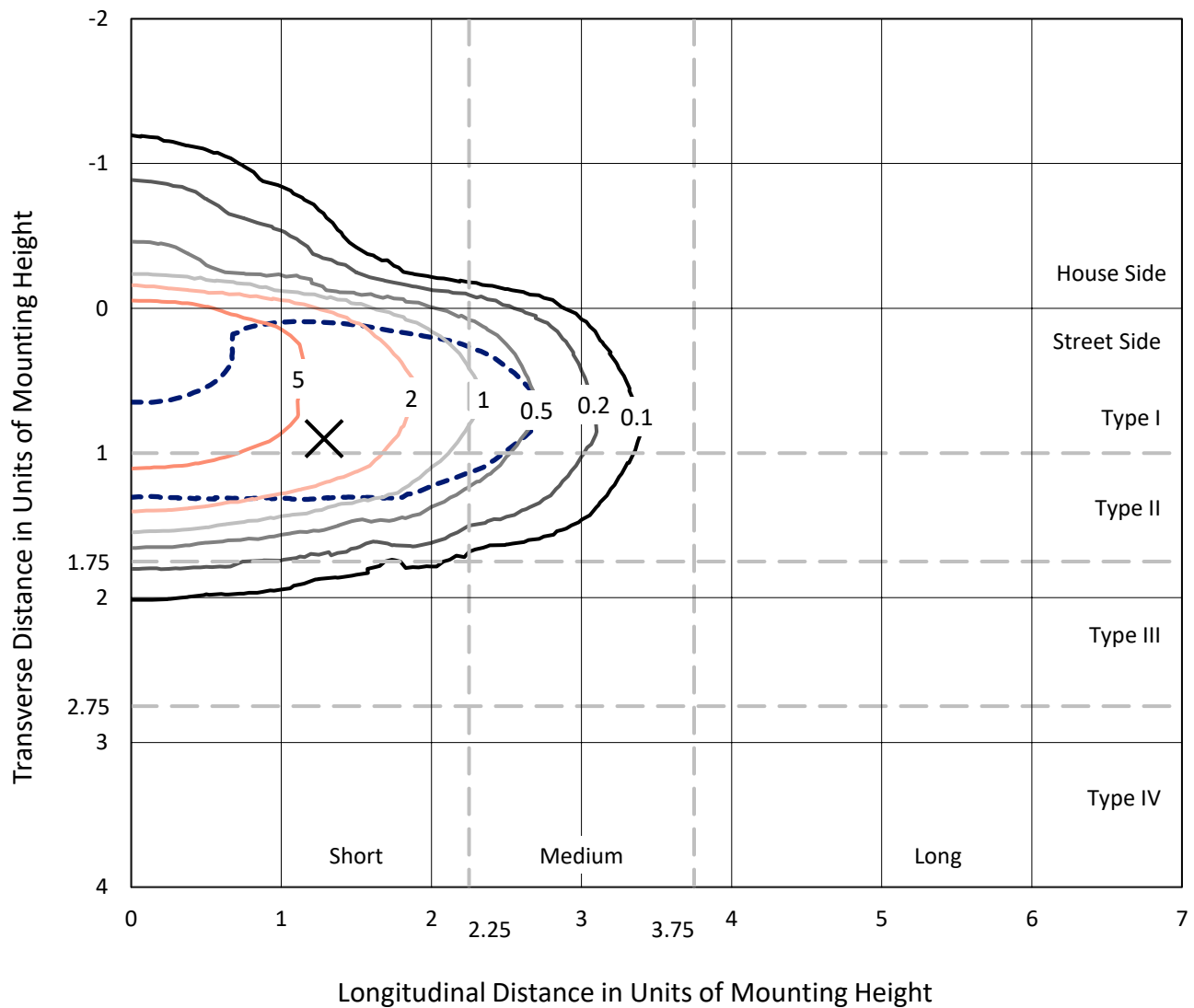
Lumens per Lamp: N/A  
Luminaire Lumens: 17920 lumens  
Efficiency: N/A  
Efficacy: 126.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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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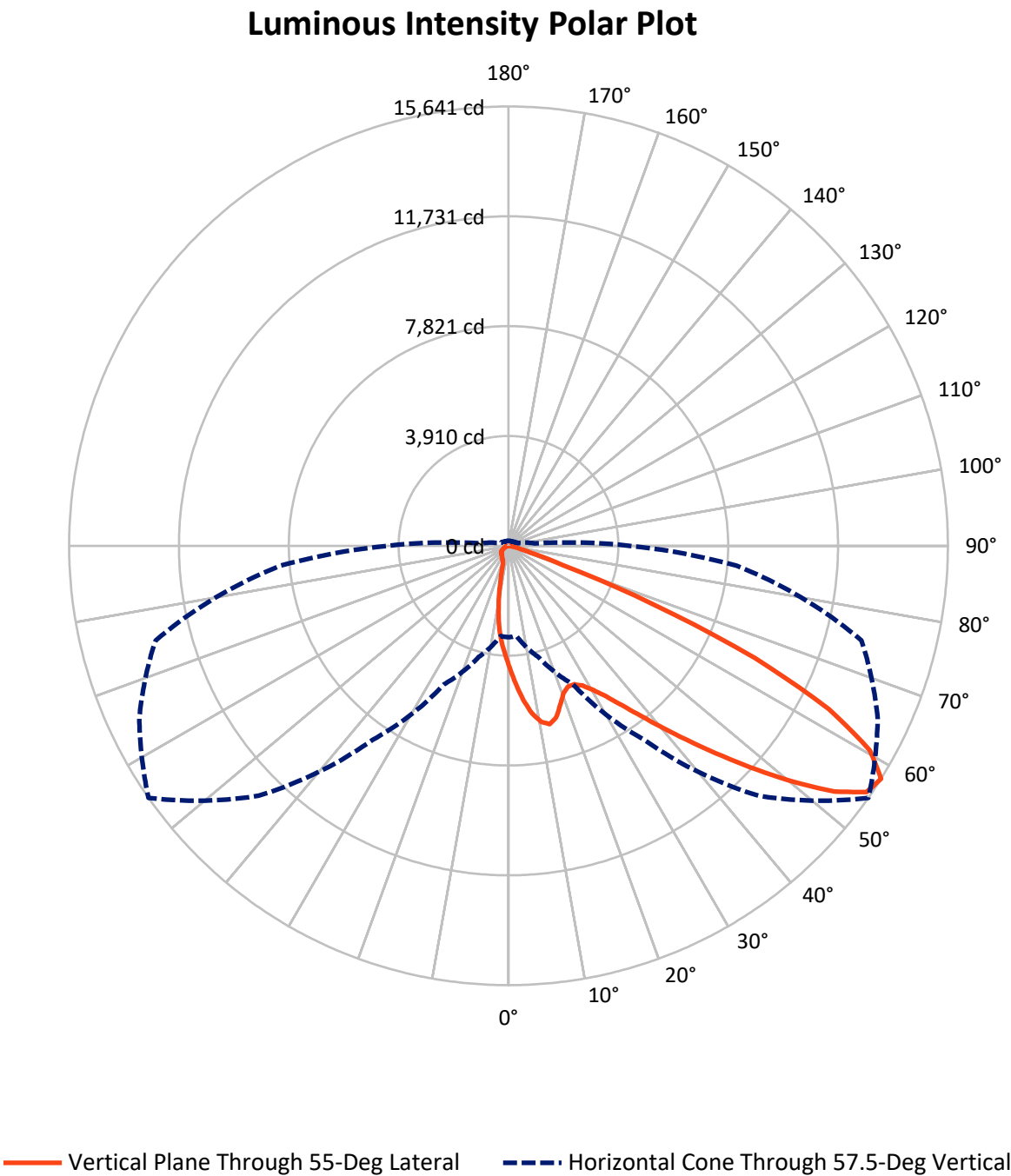
## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd



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

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1399.5   | 0.0    | 1399.5  |
|                    | % Fixture | 7.8      | 0.0    | 7.8     |
| <b>Street Side</b> | Lumens    | 16520.5  | 0.0    | 16520.5 |
|                    | % Fixture | 92.2     | 0.0    | 92.2    |
| <b>Total</b>       | Lumens    | 17920.0  | 0.0    | 17920.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 401.8   | 2.2       |
| 10°-20°   | 970.5   | 5.4       |
| 20°-30°   | 1552.8  | 8.7       |
| 30°-40°   | 2628.3  | 14.7      |
| 40°-50°   | 4315.1  | 24.1      |
| 50°-60°   | 4742.6  | 26.5      |
| 60°-70°   | 2720.3  | 15.2      |
| 70°-80°   | 555.8   | 3.1       |
| 80°-90°   | 32.8    | 0.2       |
| 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°    | 17920.0 | 100.0     |
| 0°-180°   | 17920.0 | 100.0     |

**Coefficient of Utilization**



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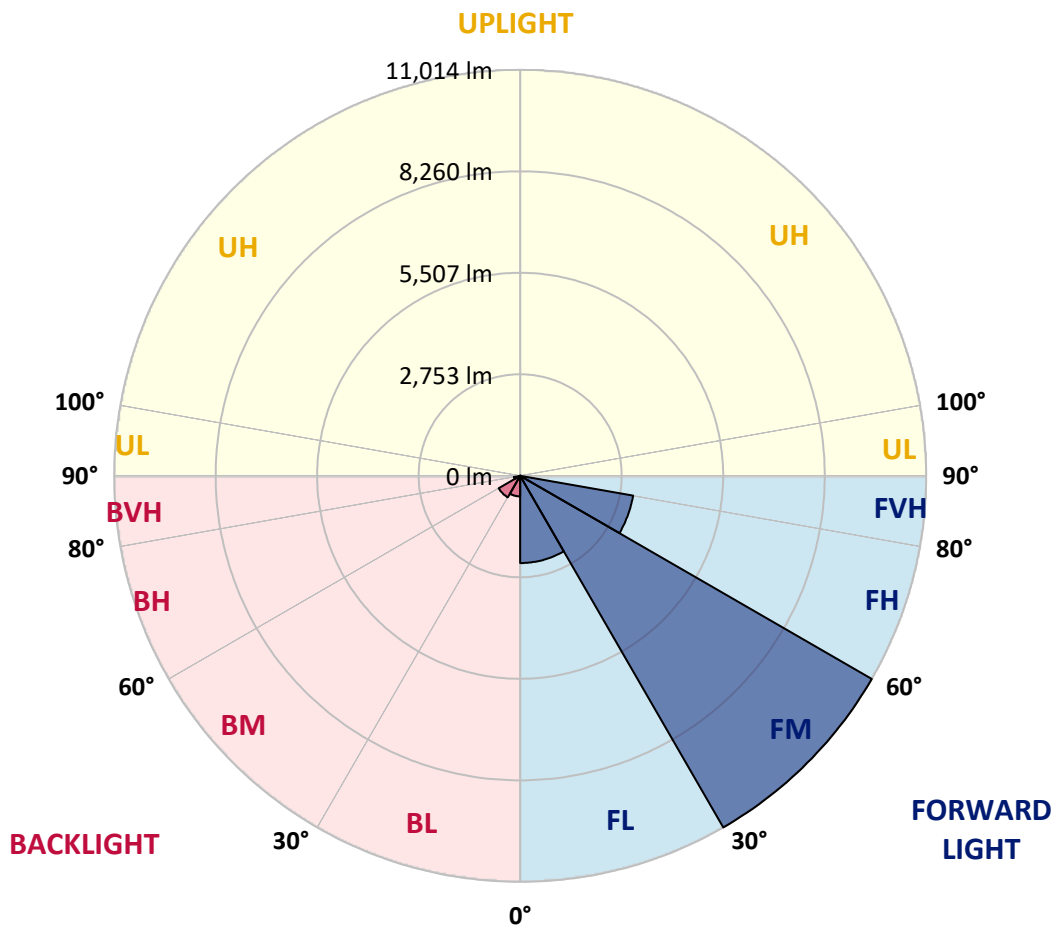
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2366.4  | 13.2      |                         |      |         |
| FM   | (30°-60°)   | 11013.8 | 61.5      |                         |      |         |
| FH   | (60°-80°)   | 3109.7  | 17.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 30.6    | 0.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 558.7   | 3.1       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 672.1   | 3.8       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 166.4   | 0.9       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 2.2     | 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-G2**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| 0°    | 4318.3  | 4318.3  | 4318.3  | 4318.3  | 4318.3  | 4318.3  | 4318.3  | 4318.3  | 4318.3  | 4318.3 |
| 2.5°  | 5358.1  | 5290.7  | 5280.7  | 5267.5  | 5139.3  | 5043.1  | 4903.9  | 4751.4  | 4580.2  | 4405.6 |
| 5°    | 6190.1  | 6137.1  | 6127.1  | 6065.3  | 5919.4  | 5755.9  | 5508.3  | 5195.6  | 4876.3  | 4500.6 |
| 7.5°  | 6351.4  | 6341.5  | 6386.8  | 6384.6  | 6364.7  | 6235.4  | 6026.6  | 5654.2  | 5174.6  | 4617.7 |
| 10°   | 5632.1  | 5657.5  | 5792.3  | 5910.6  | 6229.9  | 6415.5  | 6370.2  | 6063.0  | 5481.8  | 4751.4 |
| 12.5° | 4976.8  | 4947.0  | 5043.1  | 5176.9  | 5548.1  | 6100.6  | 6512.8  | 6404.5  | 5833.2  | 4902.8 |
| 15°   | 4565.8  | 4553.6  | 4607.8  | 4669.7  | 4952.5  | 5509.5  | 6347.0  | 6681.8  | 6171.3  | 5081.8 |
| 17.5° | 4434.3  | 4424.4  | 4440.9  | 4456.4  | 4639.8  | 5070.8  | 5952.6  | 6852.0  | 6495.1  | 5286.2 |
| 20°   | 4541.5  | 4528.2  | 4526.0  | 4513.9  | 4590.1  | 4884.0  | 5595.6  | 6864.2  | 6785.7  | 5471.9 |
| 22.5° | 4854.2  | 4838.7  | 4784.6  | 4736.0  | 4742.6  | 4909.4  | 5436.5  | 6742.6  | 7004.5  | 5645.4 |
| 25°   | 5421.1  | 5395.6  | 5282.9  | 5119.4  | 5015.5  | 5086.2  | 5460.8  | 6582.4  | 7213.3  | 5781.3 |
| 27.5° | 6130.5  | 6097.3  | 5952.6  | 5709.5  | 5471.9  | 5385.7  | 5636.5  | 6471.9  | 7386.8  | 5885.1 |
| 30°   | 6825.5  | 6782.4  | 6639.9  | 6450.9  | 6103.9  | 5832.1  | 5953.7  | 6520.5  | 7593.5  | 5993.4 |
| 32.5° | 7575.8  | 7534.9  | 7345.9  | 7111.7  | 6824.4  | 6458.6  | 6387.9  | 6758.1  | 7846.5  | 6144.8 |
| 35°   | 8525.0  | 8460.9  | 8192.4  | 7873.0  | 7568.0  | 7197.9  | 6975.8  | 7168.0  | 8183.5  | 6375.8 |
| 37.5° | 9605.6  | 9519.4  | 9229.9  | 8789.0  | 8391.3  | 7976.9  | 7691.8  | 7731.6  | 8677.4  | 6685.2 |
| 40°   | 10624.4 | 10546.0 | 10278.6 | 9863.1  | 9363.6  | 8860.9  | 8557.0  | 8468.6  | 9359.2  | 7062.0 |
| 42.5° | 11235.5 | 11164.8 | 11052.1 | 10876.4 | 10455.4 | 9942.6  | 9559.2  | 9368.1  | 10165.9 | 7512.8 |
| 45°   | 11269.7 | 11207.9 | 11359.2 | 11563.7 | 11480.8 | 11139.3 | 10671.9 | 10321.7 | 10975.8 | 7936.0 |
| 47.5° | 10721.7 | 10679.7 | 11139.3 | 11853.2 | 12209.0 | 12352.6 | 11921.7 | 11195.7 | 11644.3 | 8239.9 |
| 50°   | 9227.7  | 9212.3  | 10158.1 | 11468.6 | 12486.3 | 13415.6 | 13239.9 | 12009.0 | 12162.6 | 8396.8 |
| 52.5° | 8001.2  | 7944.8  | 8496.2  | 10237.7 | 12083.0 | 13974.7 | 14528.3 | 12806.8 | 12525.0 | 8426.6 |
| 55°   | 6068.6  | 6018.8  | 6710.6  | 8178.0  | 10782.4 | 13775.8 | 15470.9 | 13630.0 | 12784.7 | 8350.4 |
| 57.5° | 3255.3  | 3224.3  | 4098.4  | 5443.2  | 8428.8  | 12582.5 | 15641.1 | 14500.7 | 13003.5 | 8148.2 |
| 60°   | 1267.4  | 1261.9  | 1589.0  | 2640.9  | 5122.7  | 10236.6 | 14782.5 | 15023.4 | 13140.5 | 7899.5 |
| 62.5° | 766.9   | 783.4   | 836.5   | 1185.6  | 2263.0  | 6359.2  | 12803.5 | 14428.9 | 13232.2 | 7671.9 |
| 65°   | 634.3   | 635.4   | 642.0   | 814.4   | 1084.0  | 2660.8  | 9638.8  | 12473.1 | 13005.7 | 7266.4 |
| 67.5° | 543.7   | 553.6   | 579.0   | 646.4   | 764.6   | 1166.9  | 5549.2  | 9662.0  | 11627.7 | 6322.7 |
| 70°   | 428.7   | 442.0   | 474.0   | 531.5   | 590.1   | 730.4   | 2050.9  | 6428.8  | 8883.0  | 4765.8 |
| 72.5° | 361.3   | 360.2   | 376.8   | 432.0   | 468.5   | 513.8   | 789.0   | 3602.2  | 5162.5  | 2275.2 |
| 75°   | 279.6   | 290.6   | 311.6   | 361.3   | 383.4   | 372.4   | 427.6   | 1316.0  | 1849.7  | 689.5  |
| 77.5° | 218.8   | 227.6   | 246.4   | 295.0   | 317.1   | 264.1   | 246.4   | 470.7   | 594.5   | 247.5  |
| 80°   | 98.3    | 106.1   | 168.0   | 217.7   | 258.6   | 182.3   | 133.7   | 240.9   | 264.1   | 112.7  |
| 82.5° | 17.7    | 29.8    | 98.3    | 114.9   | 132.6   | 118.2   | 69.6    | 124.9   | 129.3   | 45.3   |
| 85°   | 1.1     | 2.2     | 34.3    | 42.0    | 53.0    | 38.7    | 21.0    | 49.7    | 43.1    | 15.5   |
| 87.5° | 0.0     | 0.0     | 0.0     | 1.1     | 1.1     | 5.5     | 6.6     | 8.8     | 6.6     | 5.5    |
| 90°   | 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4318.3 | 0°    | 4318.3 | 4318.3 | 4318.3 | 4318.3 | 4318.3 | 4318.3 | 4318.3 | 4318.3 | 4318.3 | 4318.3 |
| 4328.2 | 2.5°  | 4248.7 | 4091.8 | 3939.3 | 3814.4 | 3741.5 | 3617.7 | 3535.9 | 3522.7 | 3488.4 | 3518.3 |
| 4339.3 | 5°    | 4166.9 | 3886.2 | 3602.2 | 3348.1 | 3139.3 | 2869.6 | 2668.5 | 2583.5 | 2509.4 | 2534.8 |
| 4368.0 | 7.5°  | 4128.2 | 3685.1 | 3243.1 | 2808.9 | 2362.5 | 1931.5 | 1611.1 | 1477.4 | 1375.7 | 1390.1 |
| 4400.0 | 10°   | 4076.3 | 3476.3 | 2783.5 | 2120.5 | 1522.7 | 1097.2 | 876.3  | 794.5  | 749.2  | 750.3  |
| 4447.6 | 12.5° | 4036.5 | 3226.6 | 2249.7 | 1437.6 | 927.1  | 700.6  | 632.1  | 612.2  | 598.9  | 600.0  |
| 4519.4 | 15°   | 4016.6 | 2932.6 | 1722.7 | 958.0  | 663.0  | 593.4  | 576.8  | 568.0  | 559.1  | 558.0  |
| 4598.9 | 17.5° | 3983.5 | 2605.6 | 1260.8 | 699.5  | 580.1  | 555.8  | 541.4  | 531.5  | 520.4  | 518.2  |
| 4667.5 | 20°   | 3933.7 | 2234.3 | 921.6  | 591.2  | 543.7  | 524.9  | 505.0  | 491.7  | 478.5  | 476.2  |
| 4710.5 | 22.5° | 3842.0 | 1842.0 | 708.3  | 547.0  | 517.1  | 496.1  | 471.8  | 456.4  | 443.1  | 440.9  |
| 4689.6 | 25°   | 3671.9 | 1474.0 | 596.7  | 519.3  | 493.9  | 468.5  | 442.0  | 421.0  | 408.8  | 406.6  |
| 4644.2 | 27.5° | 3456.4 | 1158.0 | 541.4  | 493.9  | 464.1  | 440.9  | 411.1  | 391.2  | 380.1  | 377.9  |
| 4584.6 | 30°   | 3202.2 | 891.7  | 509.4  | 465.2  | 428.7  | 408.8  | 382.3  | 365.7  | 359.1  | 359.1  |
| 4542.6 | 32.5° | 2928.2 | 712.7  | 496.1  | 436.5  | 397.8  | 375.7  | 354.7  | 348.1  | 345.9  | 344.8  |
| 4565.8 | 35°   | 2670.7 | 618.8  | 489.5  | 413.3  | 370.2  | 349.2  | 340.3  | 341.4  | 345.9  | 345.9  |
| 4637.6 | 37.5° | 2442.0 | 589.0  | 486.2  | 396.7  | 345.9  | 327.1  | 332.6  | 342.5  | 338.1  | 338.1  |
| 4763.6 | 40°   | 2235.4 | 592.3  | 484.0  | 384.5  | 326.0  | 314.9  | 326.0  | 318.2  | 307.2  | 306.1  |
| 4917.2 | 42.5° | 2077.4 | 619.9  | 479.6  | 374.6  | 313.8  | 306.1  | 301.7  | 289.5  | 288.4  | 290.6  |
| 5076.3 | 45°   | 1962.5 | 644.2  | 478.5  | 370.2  | 300.6  | 286.2  | 280.7  | 268.5  | 290.6  | 296.1  |
| 5141.5 | 47.5° | 1826.5 | 644.2  | 478.5  | 354.7  | 278.5  | 272.9  | 264.1  | 250.8  | 272.9  | 278.5  |
| 5079.6 | 50°   | 1650.8 | 603.3  | 459.7  | 337.0  | 260.8  | 257.5  | 242.0  | 225.4  | 221.0  | 224.3  |
| 4934.9 | 52.5° | 1428.7 | 529.3  | 412.2  | 312.7  | 243.1  | 236.5  | 217.7  | 205.5  | 202.2  | 202.2  |
| 4675.2 | 55°   | 1175.7 | 443.1  | 348.1  | 277.4  | 224.3  | 212.2  | 198.9  | 193.4  | 190.1  | 187.8  |
| 4311.6 | 57.5° | 955.8  | 363.5  | 279.6  | 246.4  | 206.6  | 191.2  | 186.7  | 180.1  | 174.6  | 171.3  |
| 4007.8 | 60°   | 784.5  | 286.2  | 230.9  | 218.8  | 189.0  | 174.6  | 173.5  | 164.6  | 150.3  | 148.1  |
| 3756.9 | 62.5° | 605.5  | 209.9  | 194.5  | 190.1  | 171.3  | 159.1  | 156.9  | 139.2  | 117.1  | 112.7  |
| 3401.1 | 65°   | 427.6  | 163.5  | 156.9  | 166.9  | 152.5  | 141.4  | 135.9  | 109.4  | 86.2   | 82.9   |
| 2846.4 | 67.5° | 300.6  | 137.0  | 123.8  | 145.9  | 132.6  | 118.2  | 114.9  | 92.8   | 71.8   | 69.6   |
| 2152.5 | 70°   | 214.4  | 111.6  | 101.7  | 124.9  | 106.1  | 103.9  | 97.2   | 77.3   | 58.6   | 56.4   |
| 1065.2 | 72.5° | 151.4  | 85.1   | 78.5   | 108.3  | 72.9   | 89.5   | 79.6   | 59.7   | 44.2   | 42.0   |
| 362.4  | 75°   | 111.6  | 60.8   | 55.2   | 63.0   | 53.0   | 67.4   | 56.4   | 39.8   | 27.6   | 26.5   |
| 163.5  | 77.5° | 81.8   | 38.7   | 33.1   | 30.9   | 30.9   | 42.0   | 30.9   | 16.6   | 12.2   | 11.0   |
| 82.9   | 80°   | 57.5   | 17.7   | 15.5   | 13.3   | 12.2   | 9.9    | 4.4    | 2.2    | 1.1    | 1.1    |
| 28.7   | 82.5° | 34.3   | 7.7    | 7.7    | 5.5    | 3.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 11.0   | 85°   | 7.7    | 3.3    | 3.3    | 1.1    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 4.4    | 87.5° | 1.1    | 1.1    | 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    |

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