

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: P948066

Luminaire Tested: **GLAN-SB3B-727-U-AFL-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P948066  
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-SB3B-727-U-AFL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 2700K, 450mA 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: 13361 lumens  
Efficiency: N/A  
Efficacy: 122.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 109.2  
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

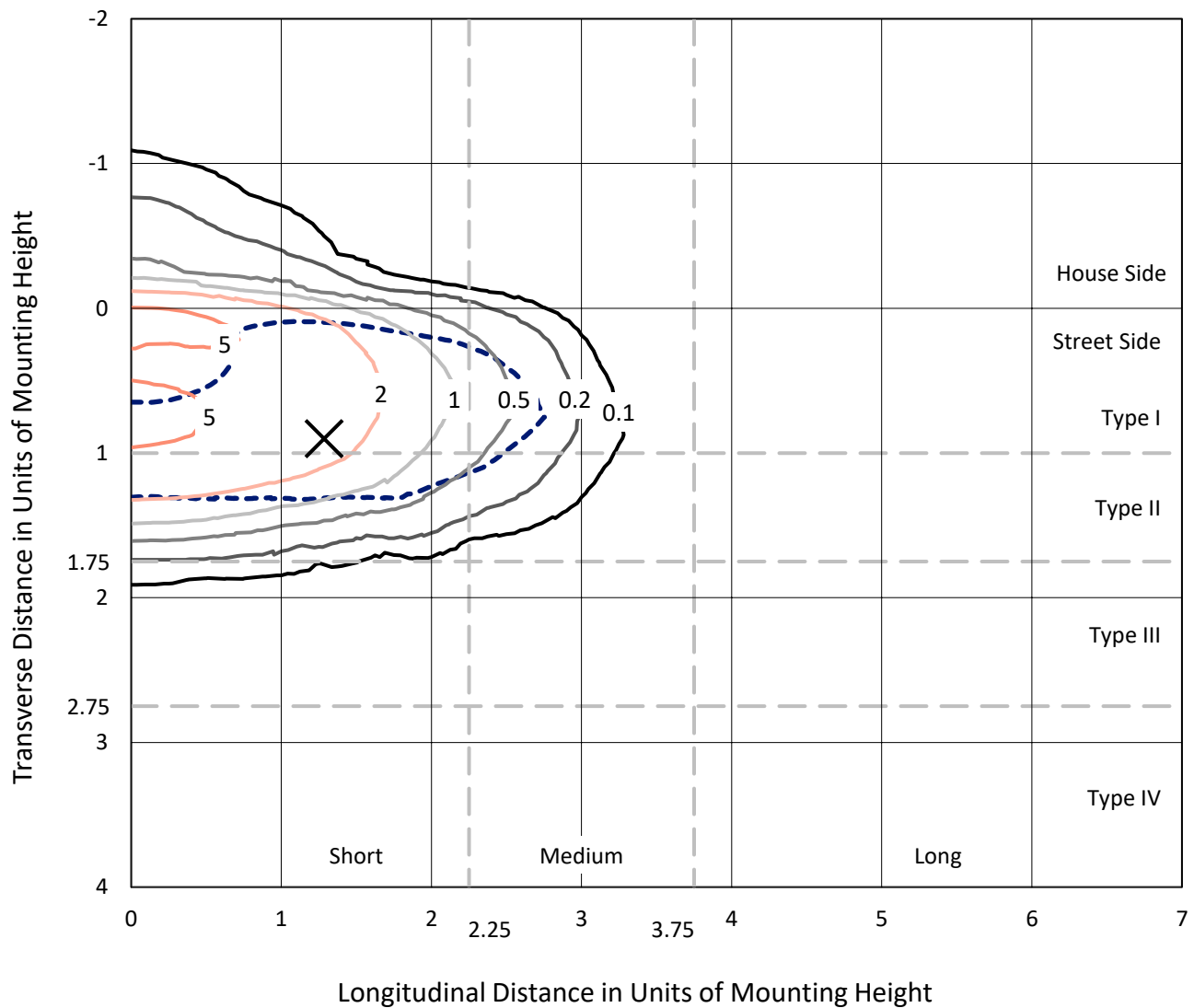


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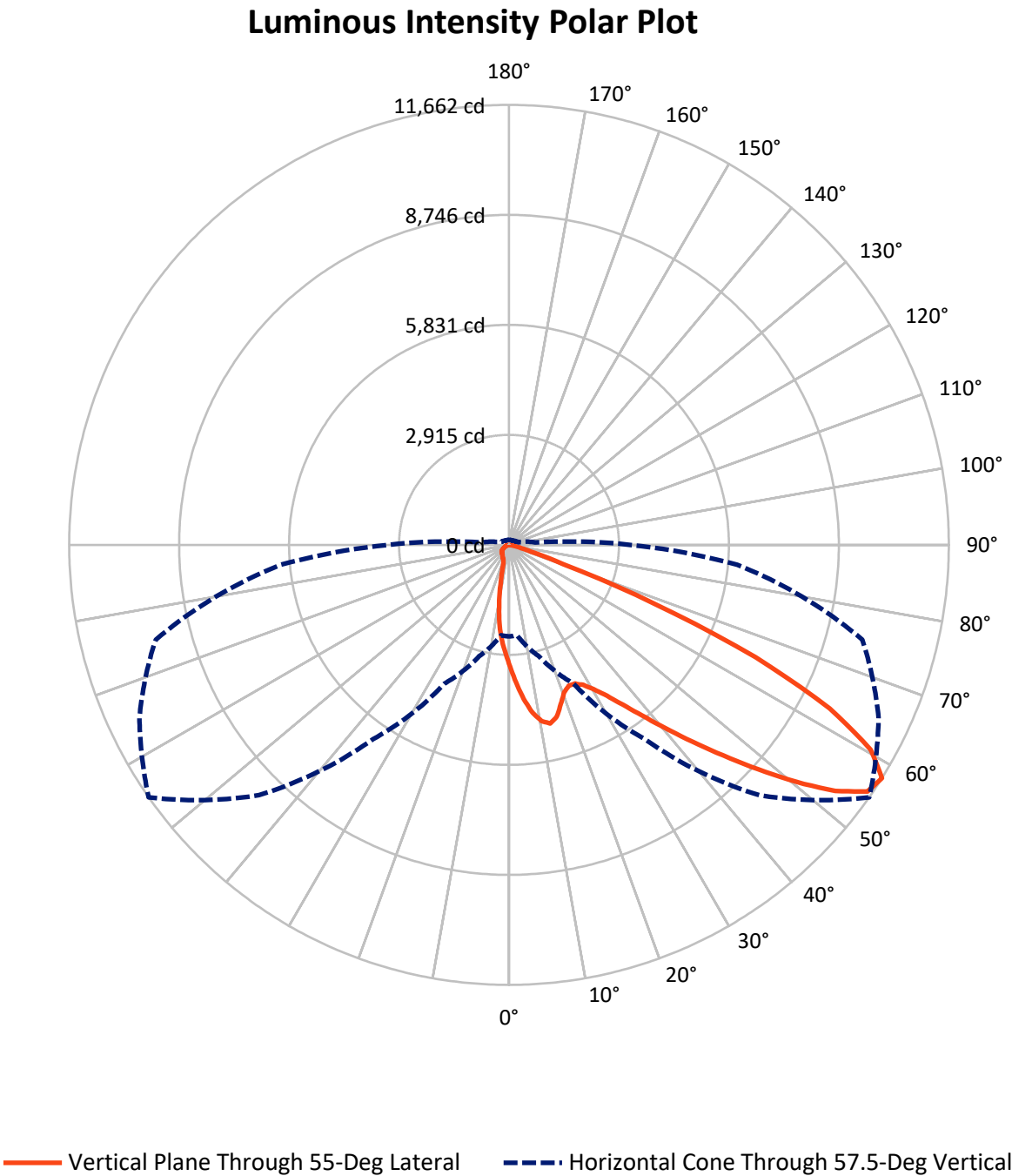
## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc  
Type II - Short - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1043.4   | 0.0    | 1043.4  |
|                    | % Fixture | 7.8      | 0.0    | 7.8     |
| <b>Street Side</b> | Lumens    | 12317.6  | 0.0    | 12317.6 |
|                    | % Fixture | 92.2     | 0.0    | 92.2    |
| <b>Total</b>       | Lumens    | 13361.0  | 0.0    | 13361.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 299.6   | 2.2       |
| 10°-20°   | 723.6   | 5.4       |
| 20°-30°   | 1157.8  | 8.7       |
| 30°-40°   | 1959.6  | 14.7      |
| 40°-50°   | 3217.3  | 24.1      |
| 50°-60°   | 3536.0  | 26.5      |
| 60°-70°   | 2028.3  | 15.2      |
| 70°-80°   | 414.4   | 3.1       |
| 80°-90°   | 24.4    | 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°    | 13361.0 | 100.0     |
| 0°-180°   | 13361.0 | 100.0     |

**Coefficient of Utilization**



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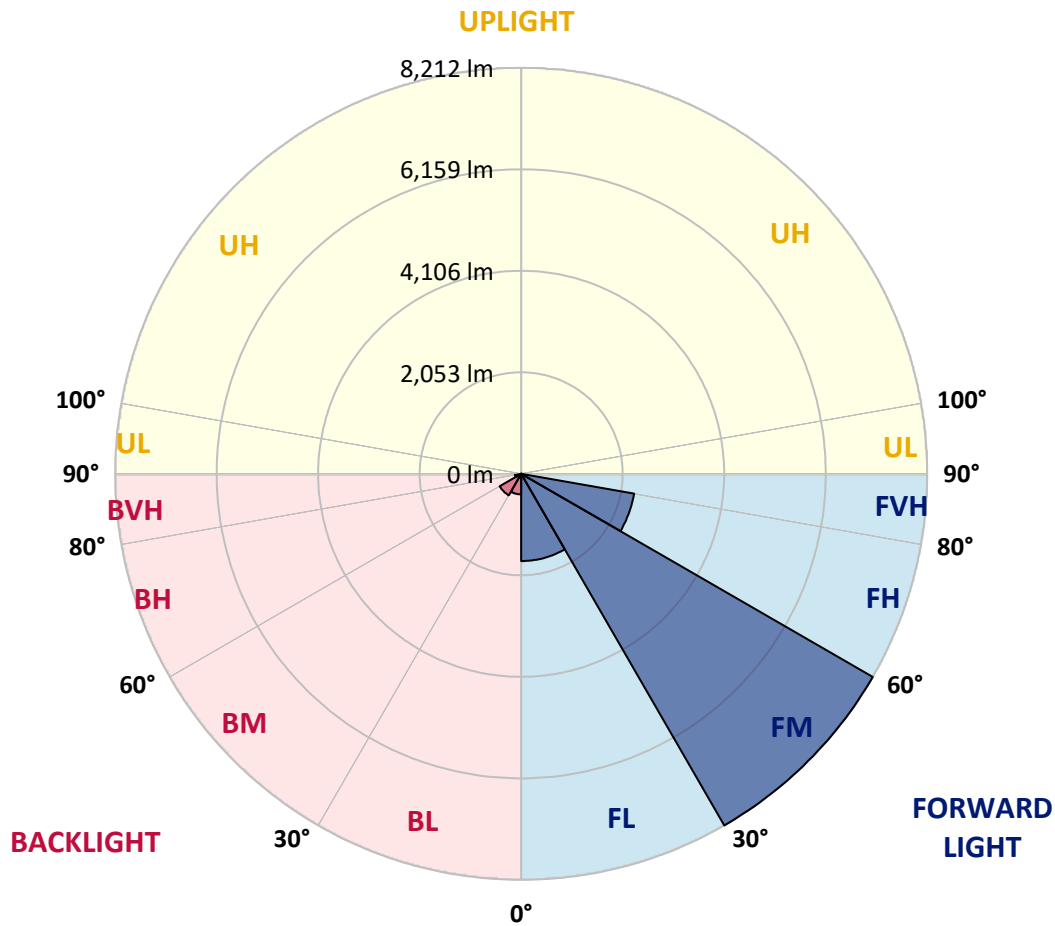
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1764.4 | 13.2      |                         |      |         |
| FM   | (30°-60°)   | 8211.8 | 61.5      |                         |      |         |
| FH   | (60°-80°)   | 2318.6 | 17.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 22.8   | 0.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 416.6  | 3.1       | B1/500                  |      |         |
| BM   | (30°-60°)   | 501.1  | 3.8       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 124.1  | 0.9       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 1.6    | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°     | 55°     | 65°     | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|---------|---------|---------|--------|--------|
| 0°    | 3219.7 | 3219.7 | 3219.7 | 3219.7 | 3219.7 | 3219.7  | 3219.7  | 3219.7  | 3219.7 | 3219.7 |
| 2.5°  | 3994.9 | 3944.7 | 3937.3 | 3927.4 | 3831.8 | 3760.1  | 3656.3  | 3542.6  | 3414.9 | 3284.8 |
| 5°    | 4615.3 | 4575.8 | 4568.3 | 4522.2 | 4413.5 | 4291.5  | 4107.0  | 3873.8  | 3635.7 | 3355.6 |
| 7.5°  | 4735.6 | 4728.2 | 4762.0 | 4760.3 | 4745.5 | 4649.1  | 4493.4  | 4215.7  | 3858.2 | 3442.9 |
| 10°   | 4199.2 | 4218.2 | 4318.7 | 4406.9 | 4645.0 | 4783.4  | 4749.6  | 4520.6  | 4087.2 | 3542.6 |
| 12.5° | 3710.7 | 3688.5 | 3760.1 | 3859.8 | 4136.6 | 4548.6  | 4855.9  | 4775.1  | 4349.2 | 3655.5 |
| 15°   | 3404.2 | 3395.2 | 3435.5 | 3481.7 | 3692.6 | 4107.8  | 4732.3  | 4981.9  | 4601.3 | 3789.0 |
| 17.5° | 3306.2 | 3298.8 | 3311.1 | 3322.7 | 3459.4 | 3780.7  | 4438.2  | 5108.8  | 4842.7 | 3941.4 |
| 20°   | 3386.1 | 3376.2 | 3374.6 | 3365.5 | 3422.3 | 3641.5  | 4172.1  | 5117.9  | 5059.4 | 4079.8 |
| 22.5° | 3619.2 | 3607.7 | 3567.3 | 3531.1 | 3536.0 | 3660.4  | 4053.4  | 5027.2  | 5222.5 | 4209.1 |
| 25°   | 4041.9 | 4022.9 | 3938.9 | 3817.0 | 3739.5 | 3792.3  | 4071.6  | 4907.8  | 5378.2 | 4310.5 |
| 27.5° | 4570.8 | 4546.1 | 4438.2 | 4256.9 | 4079.8 | 4015.5  | 4202.5  | 4825.4  | 5507.5 | 4387.9 |
| 30°   | 5089.0 | 5056.9 | 4950.6 | 4809.7 | 4551.0 | 4348.4  | 4439.0  | 4861.6  | 5661.6 | 4468.7 |
| 32.5° | 5648.4 | 5617.9 | 5477.1 | 5302.4 | 5088.2 | 4815.5  | 4762.8  | 5038.8  | 5850.3 | 4581.5 |
| 35°   | 6356.1 | 6308.3 | 6108.1 | 5870.1 | 5642.7 | 5366.7  | 5201.1  | 5344.4  | 6101.6 | 4753.7 |
| 37.5° | 7161.9 | 7097.6 | 6881.8 | 6553.0 | 6256.4 | 5947.5  | 5734.9  | 5764.6  | 6469.8 | 4984.4 |
| 40°   | 7921.5 | 7863.0 | 7663.6 | 7353.8 | 6981.4 | 6606.6  | 6380.0  | 6314.1  | 6978.2 | 5265.3 |
| 42.5° | 8377.1 | 8324.4 | 8240.3 | 8109.3 | 7795.4 | 7413.2  | 7127.3  | 6984.7  | 7579.6 | 5601.5 |
| 45°   | 8402.6 | 8356.5 | 8469.4 | 8621.8 | 8560.0 | 8305.4  | 7956.9  | 7695.7  | 8183.5 | 5917.0 |
| 47.5° | 7994.0 | 7962.7 | 8305.4 | 8837.6 | 9102.9 | 9210.0  | 8888.7  | 8347.4  | 8681.9 | 6143.6 |
| 50°   | 6880.1 | 6868.6 | 7573.8 | 8550.9 | 9309.7 | 10002.6 | 9871.6  | 8953.8  | 9068.3 | 6260.6 |
| 52.5° | 5965.6 | 5923.6 | 6334.7 | 7633.1 | 9009.0 | 10419.4 | 10832.2 | 9548.6  | 9338.5 | 6282.8 |
| 55°   | 4524.7 | 4487.6 | 5003.3 | 6097.4 | 8039.3 | 10271.1 | 11535.0 | 10162.4 | 9532.1 | 6226.0 |
| 57.5° | 2427.1 | 2404.0 | 3055.7 | 4058.4 | 6284.5 | 9381.4  | 11661.8 | 10811.6 | 9695.3 | 6075.2 |
| 60°   | 945.0  | 940.9  | 1184.7 | 1969.0 | 3819.4 | 7632.3  | 11021.7 | 11201.3 | 9797.4 | 5889.8 |
| 62.5° | 571.8  | 584.1  | 623.7  | 884.0  | 1687.3 | 4741.4  | 9546.1  | 10758.1 | 9865.8 | 5720.1 |
| 65°   | 472.9  | 473.7  | 478.7  | 607.2  | 808.2  | 1983.9  | 7186.6  | 9299.8  | 9696.9 | 5417.7 |
| 67.5° | 405.3  | 412.8  | 431.7  | 482.0  | 570.1  | 870.0   | 4137.5  | 7203.9  | 8669.6 | 4714.2 |
| 70°   | 319.7  | 329.5  | 353.4  | 396.3  | 439.9  | 544.6   | 1529.1  | 4793.3  | 6623.1 | 3553.3 |
| 72.5° | 269.4  | 268.6  | 280.9  | 322.1  | 349.3  | 383.1   | 588.2   | 2685.8  | 3849.1 | 1696.3 |
| 75°   | 208.4  | 216.7  | 232.3  | 269.4  | 285.9  | 277.6   | 318.8   | 981.2   | 1379.2 | 514.1  |
| 77.5° | 163.1  | 169.7  | 183.7  | 220.0  | 236.4  | 196.9   | 183.7   | 351.0   | 443.2  | 184.5  |
| 80°   | 73.3   | 79.1   | 125.2  | 162.3  | 192.8  | 135.9   | 99.7    | 179.6   | 196.9  | 84.0   |
| 82.5° | 13.2   | 22.2   | 73.3   | 85.7   | 98.9   | 88.2    | 51.9    | 93.1    | 96.4   | 33.8   |
| 85°   | 0.8    | 1.6    | 25.5   | 31.3   | 39.5   | 28.8    | 15.7    | 37.1    | 32.1   | 11.5   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.8    | 0.8    | 4.1     | 4.9     | 6.6     | 4.9    | 4.1    |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3219.7 | 0°    | 3219.7 | 3219.7 | 3219.7 | 3219.7 | 3219.7 | 3219.7 | 3219.7 | 3219.7 | 3219.7 | 3219.7 |
| 3227.1 | 2.5°  | 3167.8 | 3050.8 | 2937.1 | 2844.0 | 2789.6 | 2697.3 | 2636.4 | 2626.5 | 2600.9 | 2623.2 |
| 3235.3 | 5°    | 3106.8 | 2897.5 | 2685.8 | 2496.3 | 2340.6 | 2139.6 | 1989.6 | 1926.2 | 1871.0 | 1890.0 |
| 3256.7 | 7.5°  | 3078.0 | 2747.6 | 2418.0 | 2094.3 | 1761.4 | 1440.1 | 1201.2 | 1101.5 | 1025.7 | 1036.4 |
| 3280.6 | 10°   | 3039.2 | 2591.9 | 2075.3 | 1581.0 | 1135.3 | 818.1  | 653.3  | 592.4  | 558.6  | 559.4  |
| 3316.1 | 12.5° | 3009.6 | 2405.7 | 1677.4 | 1071.9 | 691.2  | 522.3  | 471.3  | 456.4  | 446.5  | 447.4  |
| 3369.6 | 15°   | 2994.8 | 2186.5 | 1284.4 | 714.3  | 494.3  | 442.4  | 430.1  | 423.5  | 416.9  | 416.1  |
| 3428.9 | 17.5° | 2970.0 | 1942.7 | 940.0  | 521.5  | 432.5  | 414.4  | 403.7  | 396.3  | 388.0  | 386.4  |
| 3480.0 | 20°   | 2933.0 | 1665.9 | 687.1  | 440.8  | 405.3  | 391.3  | 376.5  | 366.6  | 356.7  | 355.1  |
| 3512.1 | 22.5° | 2864.6 | 1373.4 | 528.1  | 407.8  | 385.6  | 369.9  | 351.8  | 340.3  | 330.4  | 328.7  |
| 3496.5 | 25°   | 2737.7 | 1099.0 | 444.9  | 387.2  | 368.3  | 349.3  | 329.5  | 313.9  | 304.8  | 303.2  |
| 3462.7 | 27.5° | 2577.1 | 863.4  | 403.7  | 368.3  | 346.0  | 328.7  | 306.5  | 291.6  | 283.4  | 281.8  |
| 3418.2 | 30°   | 2387.6 | 664.9  | 379.8  | 346.8  | 319.7  | 304.8  | 285.1  | 272.7  | 267.8  | 267.8  |
| 3386.9 | 32.5° | 2183.2 | 531.4  | 369.9  | 325.4  | 296.6  | 280.1  | 264.5  | 259.5  | 257.9  | 257.0  |
| 3404.2 | 35°   | 1991.3 | 461.4  | 365.0  | 308.1  | 276.0  | 260.3  | 253.8  | 254.6  | 257.9  | 257.9  |
| 3457.8 | 37.5° | 1820.7 | 439.1  | 362.5  | 295.8  | 257.9  | 243.9  | 248.0  | 255.4  | 252.1  | 252.1  |
| 3551.7 | 40°   | 1666.7 | 441.6  | 360.9  | 286.7  | 243.0  | 234.8  | 243.0  | 237.3  | 229.0  | 228.2  |
| 3666.2 | 42.5° | 1548.9 | 462.2  | 357.6  | 279.3  | 234.0  | 228.2  | 224.9  | 215.9  | 215.0  | 216.7  |
| 3784.8 | 45°   | 1463.2 | 480.3  | 356.7  | 276.0  | 224.1  | 213.4  | 209.3  | 200.2  | 216.7  | 220.8  |
| 3833.5 | 47.5° | 1361.9 | 480.3  | 356.7  | 264.5  | 207.6  | 203.5  | 196.9  | 187.0  | 203.5  | 207.6  |
| 3787.3 | 50°   | 1230.9 | 449.8  | 342.7  | 251.3  | 194.4  | 192.0  | 180.4  | 168.1  | 164.8  | 167.2  |
| 3679.4 | 52.5° | 1065.3 | 394.6  | 307.3  | 233.2  | 181.3  | 176.3  | 162.3  | 153.2  | 150.8  | 150.8  |
| 3485.8 | 55°   | 876.6  | 330.4  | 259.5  | 206.8  | 167.2  | 158.2  | 148.3  | 144.2  | 141.7  | 140.1  |
| 3214.7 | 57.5° | 712.6  | 271.1  | 208.4  | 183.7  | 154.1  | 142.5  | 139.2  | 134.3  | 130.2  | 127.7  |
| 2988.2 | 60°   | 584.9  | 213.4  | 172.2  | 163.1  | 140.9  | 130.2  | 129.3  | 122.8  | 112.0  | 110.4  |
| 2801.1 | 62.5° | 451.5  | 156.5  | 145.0  | 141.7  | 127.7  | 118.6  | 117.0  | 103.8  | 87.3   | 84.0   |
| 2535.9 | 65°   | 318.8  | 121.9  | 117.0  | 124.4  | 113.7  | 105.5  | 101.3  | 81.6   | 64.3   | 61.8   |
| 2122.3 | 67.5° | 224.1  | 102.2  | 92.3   | 108.8  | 98.9   | 88.2   | 85.7   | 69.2   | 53.6   | 51.9   |
| 1604.9 | 70°   | 159.8  | 83.2   | 75.8   | 93.1   | 79.1   | 77.4   | 72.5   | 57.7   | 43.7   | 42.0   |
| 794.2  | 72.5° | 112.9  | 63.4   | 58.5   | 80.7   | 54.4   | 66.7   | 59.3   | 44.5   | 33.0   | 31.3   |
| 270.2  | 75°   | 83.2   | 45.3   | 41.2   | 47.0   | 39.5   | 50.3   | 42.0   | 29.7   | 20.6   | 19.8   |
| 121.9  | 77.5° | 61.0   | 28.8   | 24.7   | 23.1   | 23.1   | 31.3   | 23.1   | 12.4   | 9.1    | 8.2    |
| 61.8   | 80°   | 42.8   | 13.2   | 11.5   | 9.9    | 9.1    | 7.4    | 3.3    | 1.6    | 0.8    | 0.8    |
| 21.4   | 82.5° | 25.5   | 5.8    | 5.8    | 4.1    | 2.5    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 8.2    | 85°   | 5.8    | 2.5    | 2.5    | 0.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 3.3    | 87.5° | 0.8    | 0.8    | 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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