

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: P956353

Luminaire Tested: **GLAN-SB9A-740-U-T2U-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P956353  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9A-740-U-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33036 lumens  
Efficiency: N/A  
Efficacy: 129.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G4

Input Watts (W): 255.5  
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



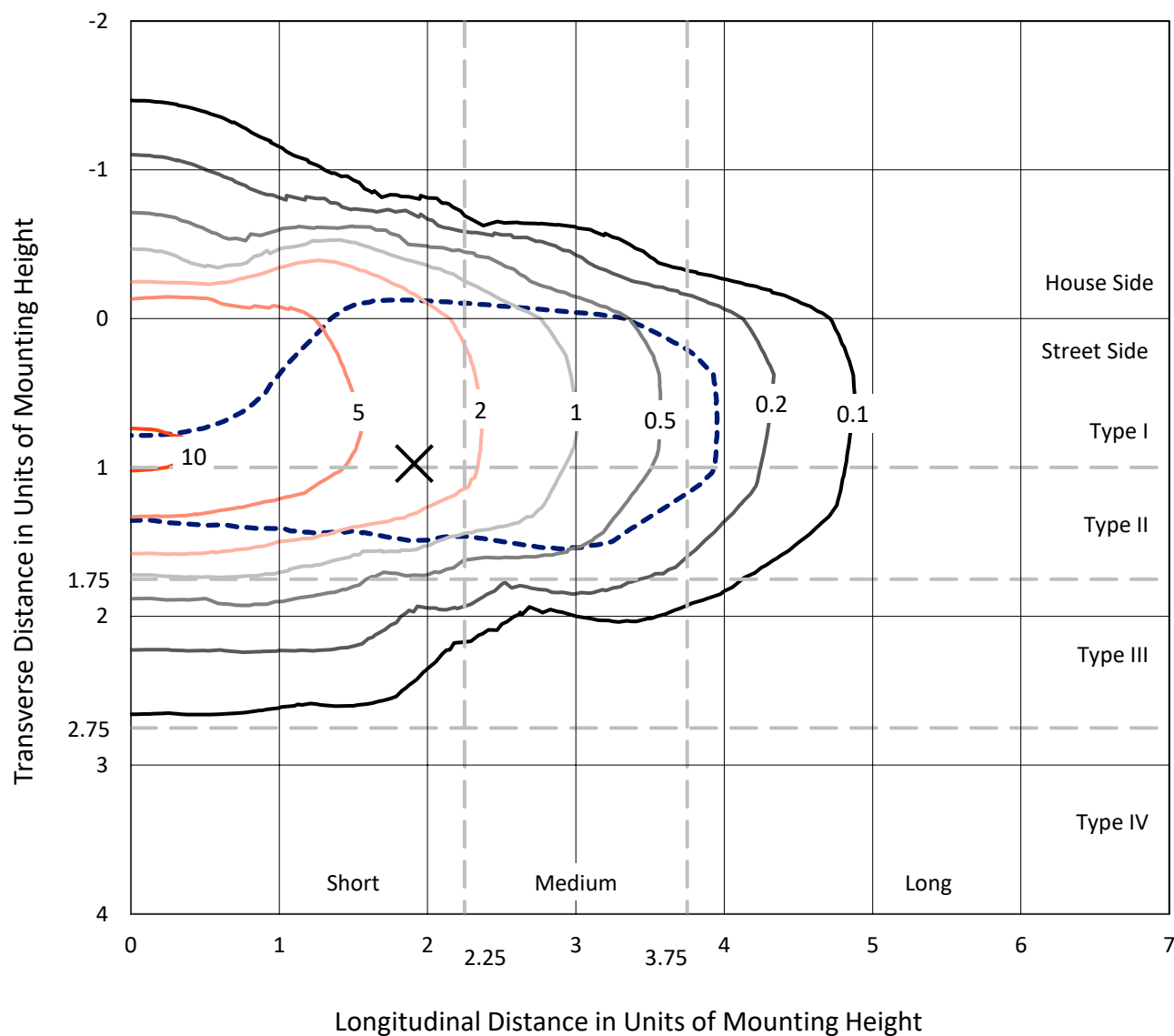
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

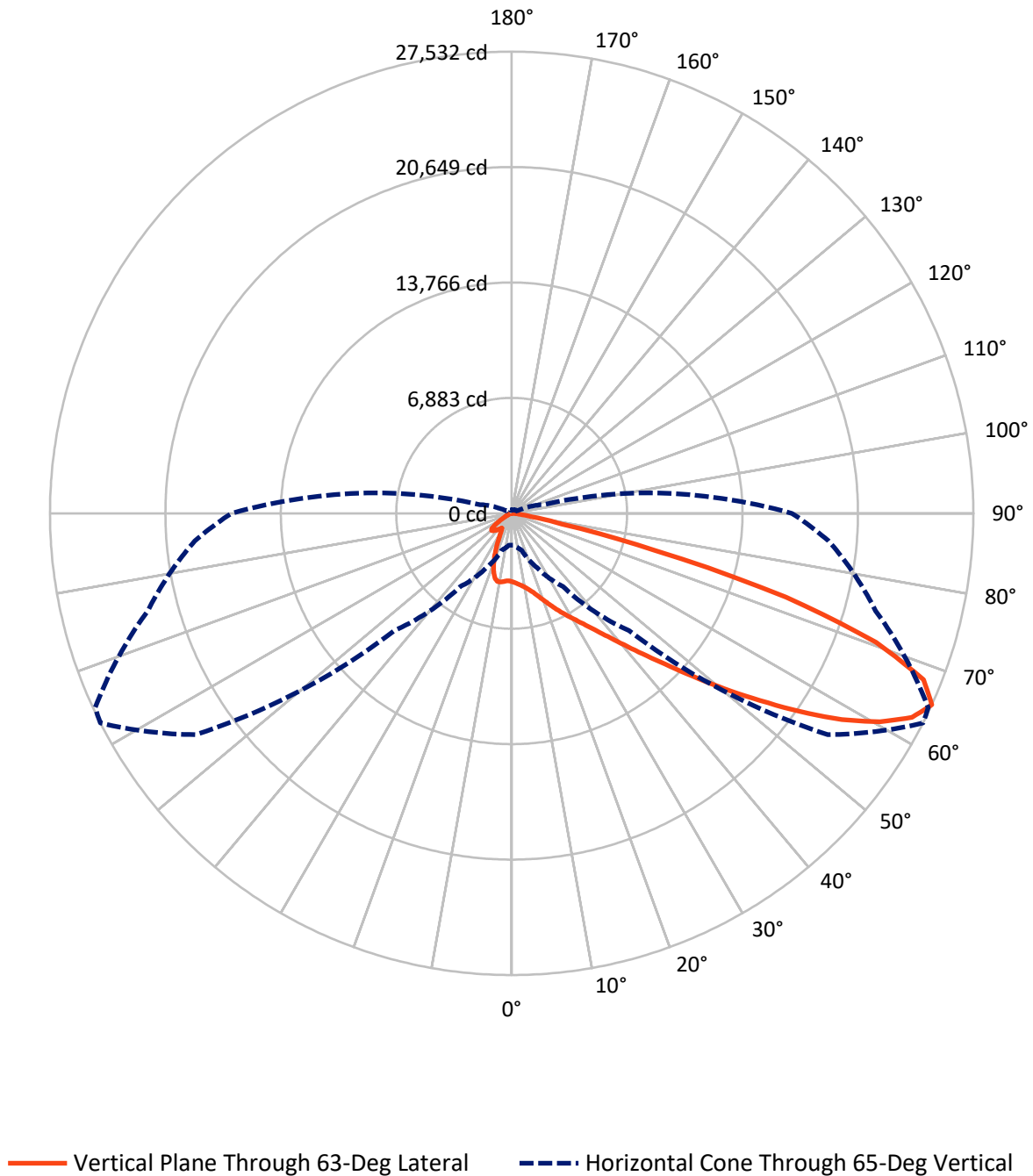


Based on 25 foot mounting height. Maximum calculated value = 11.2 fc

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    | 4856.0   | 0.0    | 4856.0  |
|                    | % Fixture | 14.7     | 0.0    | 14.7    |
| <b>Street Side</b> | Lumens    | 28180.0  | 0.0    | 28180.0 |
|                    | % Fixture | 85.3     | 0.0    | 85.3    |
| <b>Total</b>       | Lumens    | 33036.0  | 0.0    | 33036.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 384.2   | 1.2       |
| 10°-20°   | 1065.9  | 3.2       |
| 20°-30°   | 1856.0  | 5.6       |
| 30°-40°   | 3345.2  | 10.1      |
| 40°-50°   | 6634.6  | 20.1      |
| 50°-60°   | 9037.5  | 27.4      |
| 60°-70°   | 7213.6  | 21.8      |
| 70°-80°   | 3264.3  | 9.9       |
| 80°-90°   | 234.6   | 0.7       |
| 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°    | 33036.0 | 100.0     |
| 0°-180°   | 33036.0 | 100.0     |

**Coefficient of Utilization**



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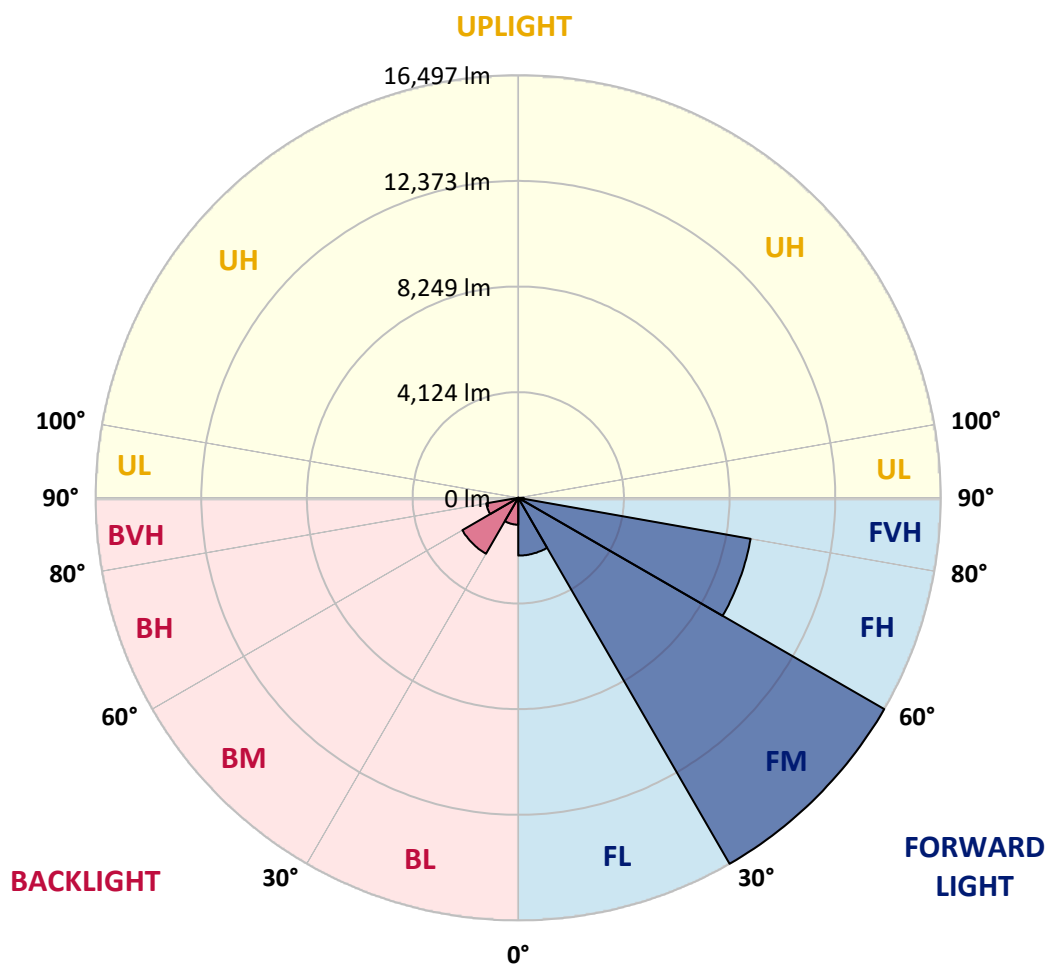
CATALOG NUMBER: GLAN-SB9A-740-U-T2U-HSS

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 2255.1  | 6.8       |                         |      |          |
| FM   | (30°-60°)   | 16497.4 | 49.9      |                         |      |          |
| FH   | (60°-80°)   | 9210.3  | 27.9      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 217.2   | 0.7       |                         |      | G2/225   |
| BL   | (0°-30°)    | 1050.9  | 3.2       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2520.0  | 7.6       | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1267.7  | 3.8       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 17.4    | 0.1       |                         |      | G1/100   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B3-U0-G4**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 63°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4077.3  | 4077.3  | 4077.3  | 4077.3  | 4077.3  | 4077.3  | 4077.3  | 4077.3  | 4077.3  | 4077.3  |
| 2.5°  | 4172.7  | 4161.4  | 4177.3  | 4170.4  | 4165.9  | 4156.8  | 4152.3  | 4147.7  | 4138.6  | 4131.8  |
| 5°    | 4184.1  | 4177.3  | 4193.2  | 4206.8  | 4220.4  | 4234.1  | 4240.9  | 4250.0  | 4240.9  | 4222.7  |
| 7.5°  | 4088.6  | 4084.1  | 4118.2  | 4159.1  | 4220.4  | 4272.7  | 4329.5  | 4361.4  | 4363.6  | 4356.8  |
| 10°   | 4081.8  | 4070.4  | 4104.5  | 4154.5  | 4234.1  | 4327.3  | 4427.3  | 4495.4  | 4504.5  | 4534.1  |
| 12.5° | 4188.6  | 4177.3  | 4225.0  | 4279.5  | 4361.4  | 4459.1  | 4581.8  | 4677.3  | 4690.9  | 4731.8  |
| 15°   | 4368.2  | 4352.3  | 4406.8  | 4477.3  | 4581.8  | 4693.2  | 4822.7  | 4909.1  | 4920.4  | 4970.4  |
| 17.5° | 4577.3  | 4561.4  | 4625.0  | 4700.0  | 4813.6  | 4965.9  | 5115.9  | 5211.4  | 5225.0  | 5256.8  |
| 20°   | 4845.4  | 4825.0  | 4875.0  | 4943.2  | 5063.6  | 5245.4  | 5425.0  | 5561.4  | 5559.1  | 5559.1  |
| 22.5° | 5156.8  | 5125.0  | 5168.2  | 5222.7  | 5336.4  | 5556.8  | 5795.4  | 5956.8  | 5956.8  | 5893.2  |
| 25°   | 5490.9  | 5459.1  | 5506.8  | 5556.8  | 5656.8  | 5906.8  | 6186.4  | 6386.4  | 6395.4  | 6286.4  |
| 27.5° | 5909.1  | 5868.2  | 5904.5  | 5963.6  | 6022.7  | 6277.3  | 6609.1  | 6840.9  | 6845.4  | 6677.3  |
| 30°   | 6713.6  | 6597.7  | 6484.1  | 6420.4  | 6447.7  | 6700.0  | 7054.5  | 7311.4  | 7334.1  | 7102.3  |
| 32.5° | 8186.4  | 8163.6  | 7763.6  | 7240.9  | 6968.2  | 7154.5  | 7552.3  | 7861.4  | 7875.0  | 7577.3  |
| 35°   | 10475.0 | 10447.7 | 9804.5  | 8809.1  | 7920.4  | 7763.6  | 8156.8  | 8522.7  | 8513.6  | 8177.3  |
| 37.5° | 13206.8 | 13181.8 | 12334.1 | 11002.3 | 9563.6  | 8684.1  | 8936.4  | 9320.4  | 9377.3  | 8936.4  |
| 40°   | 15540.9 | 15447.7 | 14911.3 | 13627.3 | 11745.4 | 10211.3 | 10045.4 | 10300.0 | 10359.1 | 9836.3  |
| 42.5° | 17309.1 | 17229.5 | 16956.8 | 16154.5 | 14386.3 | 12470.4 | 11352.3 | 11450.0 | 11515.9 | 10888.6 |
| 45°   | 18225.0 | 18206.8 | 18315.9 | 18240.9 | 17077.2 | 15243.2 | 13220.4 | 12813.6 | 12838.6 | 12054.5 |
| 47.5° | 18354.5 | 18345.4 | 18843.2 | 19547.7 | 19390.9 | 18370.4 | 15618.2 | 14513.6 | 14425.0 | 13370.4 |
| 50°   | 17590.9 | 17572.7 | 18527.2 | 19847.7 | 20936.3 | 20997.7 | 18340.9 | 16429.5 | 16234.1 | 14731.8 |
| 52.5° | 15152.2 | 15147.7 | 16715.9 | 18913.6 | 21479.5 | 23297.7 | 21031.8 | 18534.1 | 18206.8 | 16172.7 |
| 55°   | 11659.1 | 11743.2 | 13540.9 | 16138.6 | 20488.6 | 24404.5 | 23447.7 | 20870.4 | 20368.2 | 17622.7 |
| 57.5° | 8259.1  | 8381.8  | 10159.1 | 12472.7 | 17415.9 | 23750.0 | 25081.8 | 23211.3 | 22670.4 | 19068.2 |
| 60°   | 4436.4  | 4545.4  | 6325.0  | 9086.3  | 12956.8 | 21309.1 | 25943.1 | 25243.1 | 24731.8 | 20440.9 |
| 62.5° | 2643.2  | 2679.5  | 3415.9  | 5865.9  | 8763.6  | 16279.5 | 25577.2 | 26790.9 | 26370.4 | 21593.1 |
| 65°   | 1897.7  | 1904.5  | 2275.0  | 3581.8  | 5320.4  | 9890.9  | 23011.3 | 27531.8 | 27402.2 | 22461.3 |
| 67.5° | 1597.7  | 1593.2  | 1747.7  | 2379.5  | 3625.0  | 4954.5  | 17636.3 | 26484.1 | 27034.1 | 23011.3 |
| 70°   | 1370.5  | 1377.3  | 1559.1  | 1743.2  | 2725.0  | 2804.5  | 8768.2  | 23059.1 | 24231.8 | 23156.8 |
| 72.5° | 1020.5  | 1043.2  | 1211.4  | 1588.6  | 2056.8  | 1929.5  | 3027.3  | 17097.7 | 19218.2 | 21818.1 |
| 75°   | 720.5   | 731.8   | 852.3   | 1336.4  | 1534.1  | 1404.5  | 1545.5  | 8838.6  | 11556.8 | 16727.2 |
| 77.5° | 554.5   | 575.0   | 645.5   | 934.1   | 1511.4  | 986.4   | 945.5   | 3059.1  | 4700.0  | 10104.5 |
| 80°   | 300.0   | 336.4   | 465.9   | 675.0   | 1061.4  | 697.7   | 468.2   | 1218.2  | 1593.2  | 4725.0  |
| 82.5° | 154.5   | 172.7   | 325.0   | 486.4   | 604.5   | 609.1   | 231.8   | 506.8   | 656.8   | 1459.1  |
| 85°   | 61.4    | 75.0    | 218.2   | 268.2   | 311.4   | 300.0   | 104.5   | 204.5   | 236.4   | 404.5   |
| 87.5° | 13.6    | 22.7    | 79.5    | 61.4    | 59.1    | 63.6    | 25.0    | 47.7    | 45.5    | 47.7    |
| 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):**

| 85°     |       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4077.3  | 0°    | 4077.3  | 4077.3  | 4077.3 | 4077.3 | 4077.3 | 4077.3 | 4077.3 | 4077.3 | 4077.3 | 4077.3 |
| 4104.5  | 2.5°  | 4102.3  | 4093.2  | 4068.2 | 4040.9 | 4009.1 | 3990.9 | 3979.5 | 3977.3 | 3961.4 | 3950.0 |
| 4195.4  | 5°    | 4170.4  | 4161.4  | 4113.6 | 4056.8 | 3995.4 | 3947.7 | 3902.3 | 3861.4 | 3802.3 | 3790.9 |
| 4327.3  | 7.5°  | 4306.8  | 4281.8  | 4204.5 | 4127.3 | 4011.4 | 3872.7 | 3704.5 | 3511.4 | 3338.6 | 3286.4 |
| 4502.3  | 10°   | 4475.0  | 4440.9  | 4343.2 | 4206.8 | 3950.0 | 3572.7 | 3165.9 | 2788.6 | 2488.6 | 2404.5 |
| 4709.1  | 12.5° | 4665.9  | 4636.4  | 4506.8 | 4254.5 | 3693.2 | 3009.1 | 2386.4 | 1918.2 | 1627.3 | 1554.5 |
| 4929.5  | 15°   | 4893.2  | 4850.0  | 4670.4 | 4181.8 | 3234.1 | 2286.4 | 1638.6 | 1361.4 | 1256.8 | 1243.2 |
| 5181.8  | 17.5° | 5134.1  | 5063.6  | 4815.9 | 3920.4 | 2615.9 | 1625.0 | 1265.9 | 1186.4 | 1140.9 | 1127.3 |
| 5436.4  | 20°   | 5354.5  | 5263.6  | 4902.3 | 3525.0 | 1954.5 | 1265.9 | 1134.1 | 1081.8 | 1040.9 | 1025.0 |
| 5690.9  | 22.5° | 5575.0  | 5445.4  | 4902.3 | 2986.4 | 1465.9 | 1122.7 | 1040.9 | 993.2  | 945.5  | 925.0  |
| 5963.6  | 25°   | 5804.5  | 5631.8  | 4815.9 | 2386.4 | 1179.5 | 1029.5 | 952.3  | 900.0  | 859.1  | 834.1  |
| 6222.7  | 27.5° | 6027.3  | 5788.6  | 4618.2 | 1818.2 | 1050.0 | 947.7  | 870.5  | 820.5  | 781.8  | 763.6  |
| 6504.5  | 30°   | 6238.6  | 5943.2  | 4340.9 | 1379.5 | 965.9  | 868.2  | 795.5  | 752.3  | 713.6  | 695.5  |
| 6870.4  | 32.5° | 6525.0  | 6138.6  | 4045.4 | 1131.8 | 893.2  | 793.2  | 727.3  | 686.4  | 652.3  | 638.6  |
| 7345.4  | 35°   | 6922.7  | 6427.3  | 3790.9 | 1111.4 | 831.8  | 731.8  | 665.9  | 627.3  | 593.2  | 581.8  |
| 7959.1  | 37.5° | 7486.4  | 6893.2  | 3656.8 | 1247.7 | 781.8  | 677.3  | 615.9  | 575.0  | 543.2  | 534.1  |
| 8738.6  | 40°   | 8181.8  | 7525.0  | 3729.5 | 1384.1 | 747.7  | 629.5  | 570.5  | 529.5  | 502.3  | 490.9  |
| 9634.1  | 42.5° | 9006.8  | 8304.5  | 4131.8 | 1488.6 | 725.0  | 588.6  | 527.3  | 481.8  | 463.6  | 459.1  |
| 10650.0 | 45°   | 9954.5  | 9161.3  | 4747.7 | 1600.0 | 688.6  | 550.0  | 484.1  | 450.0  | 436.4  | 434.1  |
| 11754.5 | 47.5° | 11031.8 | 10102.3 | 5461.4 | 1738.6 | 652.3  | 513.6  | 450.0  | 427.3  | 415.9  | 411.4  |
| 12906.8 | 50°   | 12100.0 | 11050.0 | 6195.4 | 1815.9 | 622.7  | 479.5  | 422.7  | 404.5  | 395.5  | 393.2  |
| 14125.0 | 52.5° | 13218.2 | 12025.0 | 6788.6 | 1743.2 | 597.7  | 452.3  | 400.0  | 386.4  | 377.3  | 375.0  |
| 15247.7 | 55°   | 14284.1 | 12813.6 | 6890.9 | 1479.5 | 547.7  | 425.0  | 375.0  | 368.2  | 356.8  | 356.8  |
| 16386.3 | 57.5° | 15202.2 | 13209.1 | 6168.2 | 1086.4 | 497.7  | 384.1  | 350.0  | 343.2  | 334.1  | 331.8  |
| 17413.6 | 60°   | 16045.4 | 13095.4 | 4761.4 | 731.8  | 443.2  | 343.2  | 318.2  | 313.6  | 304.5  | 293.2  |
| 18306.8 | 62.5° | 16520.4 | 12595.4 | 3256.8 | 477.3  | 388.6  | 300.0  | 281.8  | 279.5  | 259.1  | 236.4  |
| 18968.2 | 65°   | 16700.0 | 11568.2 | 2031.8 | 347.7  | 325.0  | 256.8  | 243.2  | 238.6  | 209.1  | 184.1  |
| 19343.2 | 67.5° | 16543.2 | 9877.3  | 1025.0 | 275.0  | 256.8  | 213.6  | 200.0  | 200.0  | 179.5  | 156.8  |
| 19320.4 | 70°   | 15915.9 | 7404.5  | 431.8  | 220.5  | 197.7  | 163.6  | 163.6  | 172.7  | 152.3  | 127.3  |
| 18318.2 | 72.5° | 14554.5 | 4981.8  | 229.5  | 168.2  | 147.7  | 115.9  | 134.1  | 140.9  | 120.5  | 95.5   |
| 14993.2 | 75°   | 11570.4 | 3038.6  | 159.1  | 125.0  | 93.2   | 81.8   | 102.3  | 106.8  | 81.8   | 63.6   |
| 10279.5 | 77.5° | 7913.6  | 1745.5  | 106.8  | 79.5   | 59.1   | 47.7   | 70.5   | 65.9   | 43.2   | 29.5   |
| 3963.6  | 80°   | 3475.0  | 727.3   | 61.4   | 36.4   | 22.7   | 18.2   | 25.0   | 18.2   | 13.6   | 9.1    |
| 543.2   | 82.5° | 406.8   | 170.5   | 22.7   | 13.6   | 9.1    | 4.5    | 2.3    | 0.0    | 0.0    | 0.0    |
| 165.9   | 85°   | 84.1    | 20.5    | 11.4   | 4.5    | 2.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 29.5    | 87.5° | 15.9    | 4.5     | 2.3    | 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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| 180°   |
|--------|
| 4077.3 |
| 3961.4 |
| 3786.4 |
| 3261.4 |
| 2372.7 |
| 1534.1 |
| 1229.5 |
| 1120.5 |
| 1015.9 |
| 913.6  |
| 825.0  |
| 763.6  |
| 697.7  |
| 638.6  |
| 581.8  |
| 531.8  |
| 488.6  |
| 459.1  |
| 431.8  |
| 411.4  |
| 393.2  |
| 375.0  |
| 354.5  |
| 329.5  |
| 290.9  |
| 231.8  |
| 181.8  |
| 154.5  |
| 125.0  |
| 95.5   |
| 61.4   |
| 31.8   |
| 9.1    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |