

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: P848923

Luminaire Tested: **GLAN-SB5D-722-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848923  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5D-722-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 39845 lumens  
Efficiency: N/A  
Efficacy: 109.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B4 - U0 - G5

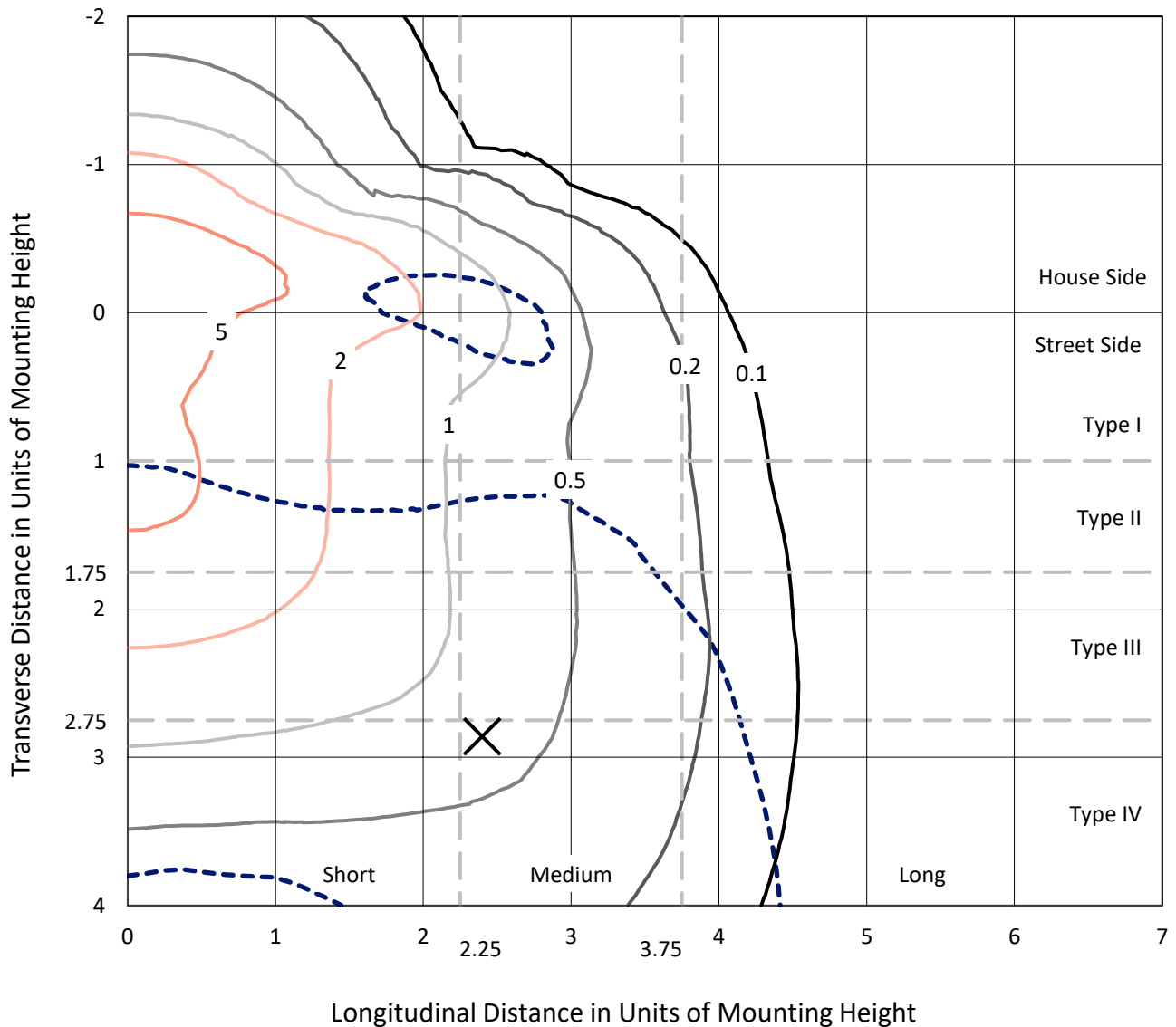
Input Watts (W): 364.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

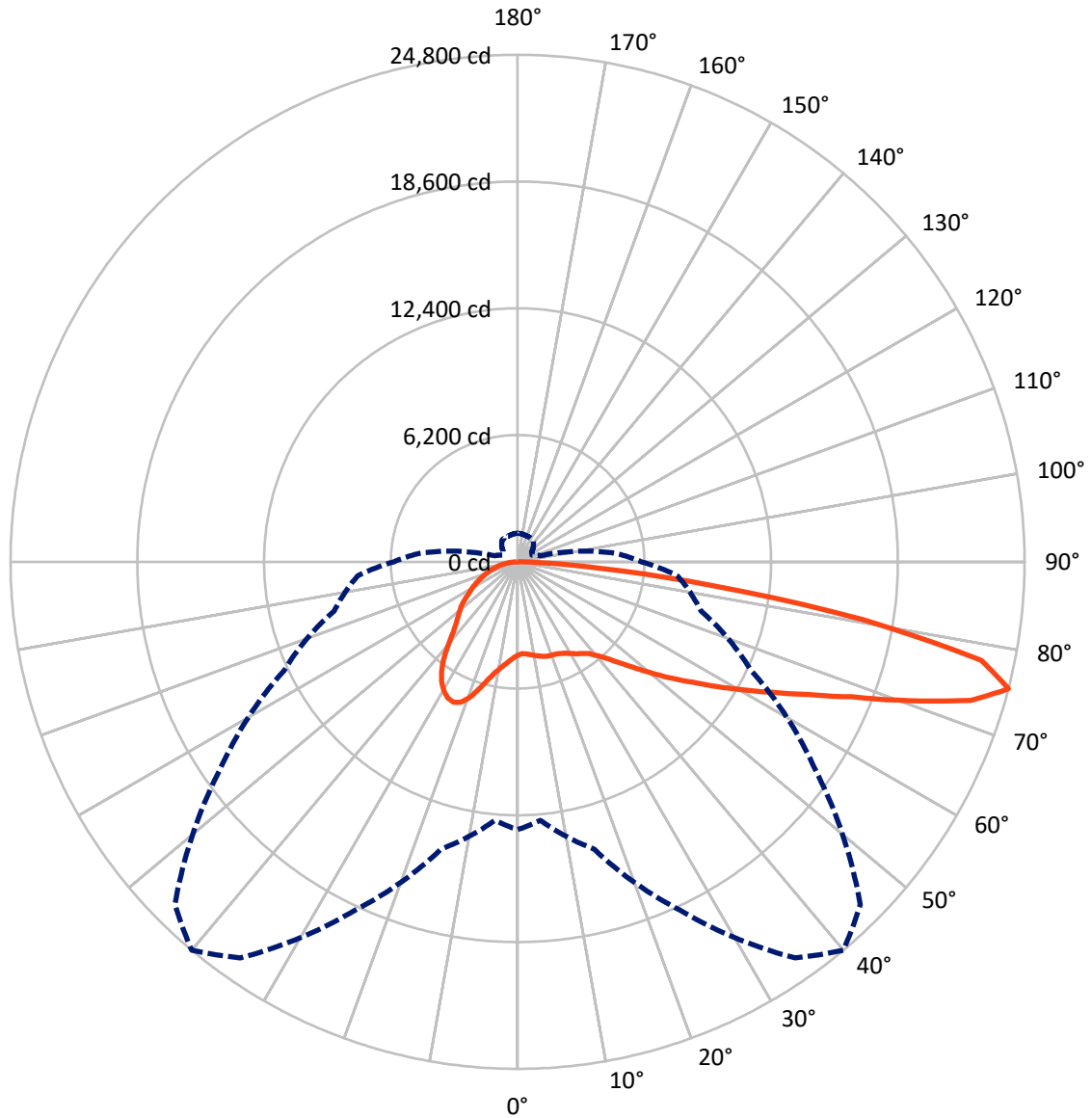
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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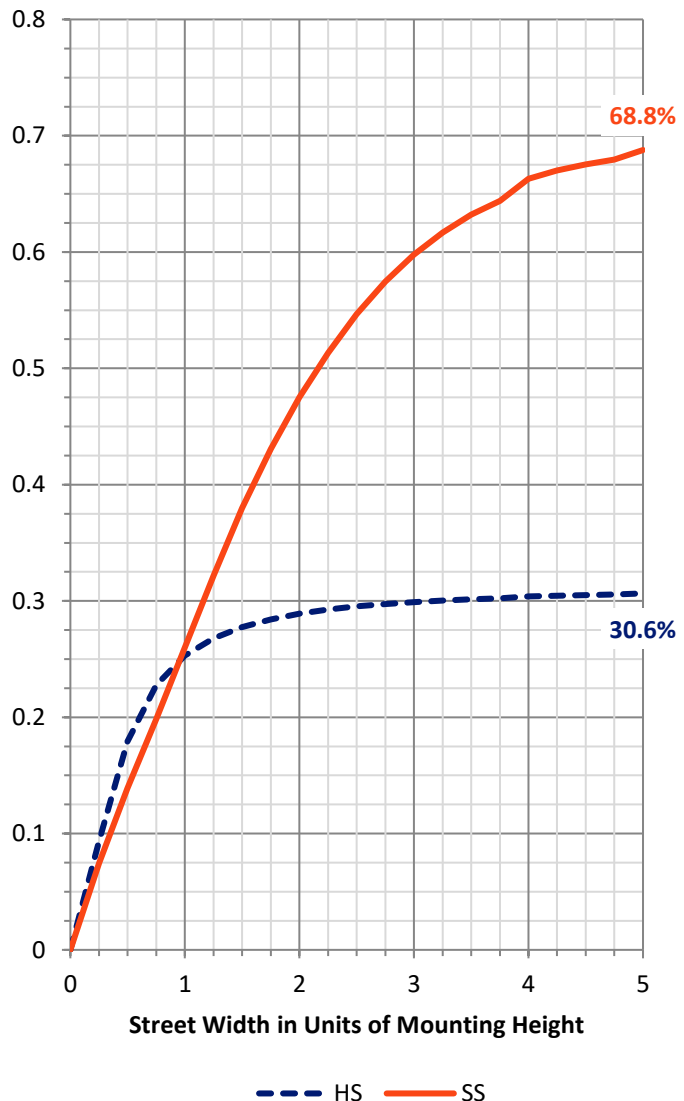
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 12345.3  | 0.0    | 12345.3 |
|                    | % Fixture | 31.0     | 0.0    | 31.0    |
| <b>Street Side</b> | Lumens    | 27499.7  | 0.0    | 27499.7 |
|                    | % Fixture | 69.0     | 0.0    | 69.0    |
| <b>Total</b>       | Lumens    | 39845.0  | 0.0    | 39845.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 454.8   | 1.1       |
| 10°-20°   | 1527.0  | 3.8       |
| 20°-30°   | 2788.2  | 7.0       |
| 30°-40°   | 3954.4  | 9.9       |
| 40°-50°   | 5339.6  | 13.4      |
| 50°-60°   | 7183.2  | 18.0      |
| 60°-70°   | 9117.2  | 22.9      |
| 70°-80°   | 8274.4  | 20.8      |
| 80°-90°   | 1206.1  | 3.0       |
| 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°    | 39845.0 | 100.0     |
| 0°-180°   | 39845.0 | 100.0     |

**Coefficient of Utilization**

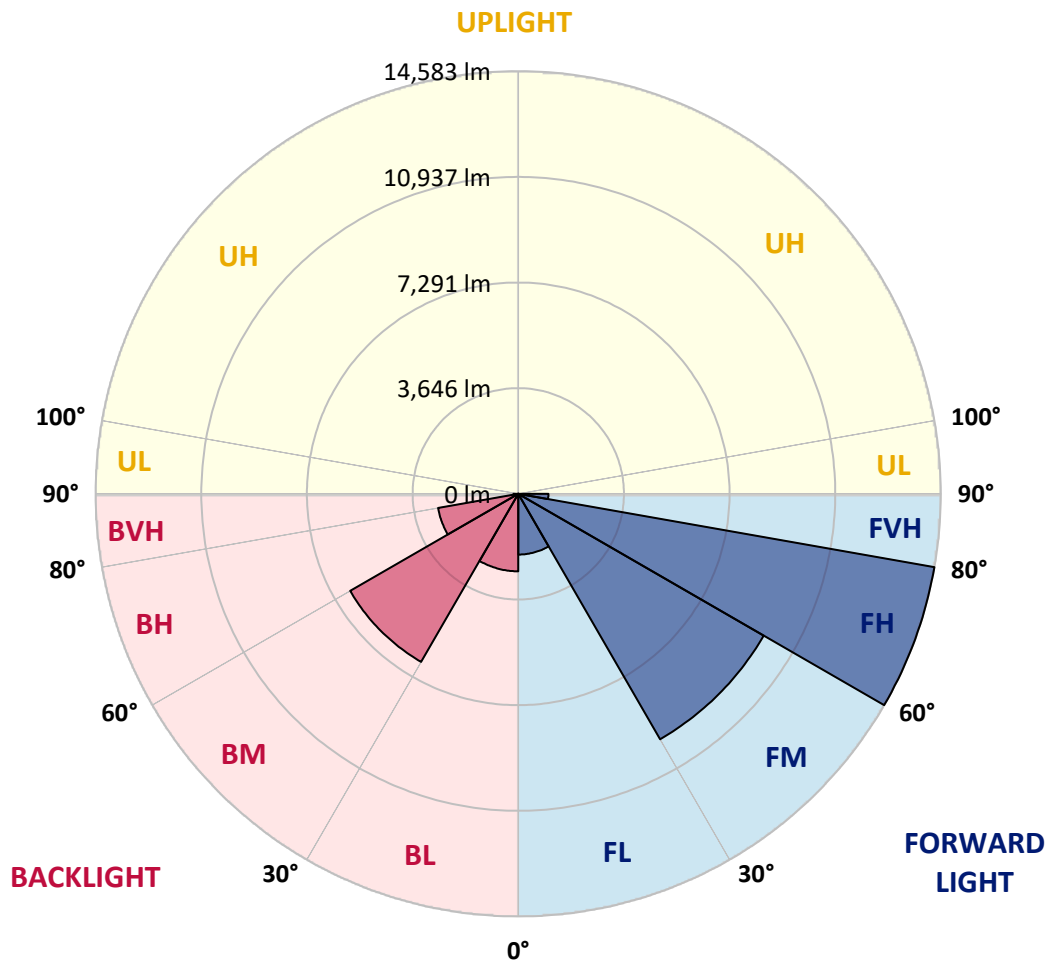


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|---------|-----------|-------------------------|------|---------|
|                |         |           | B                       | U    | G       |
| FL (0°-30°)    | 2095.9  | 5.3       |                         |      |         |
| FM (30°-60°)   | 9781.1  | 24.5      |                         |      |         |
| FH (60°-80°)   | 14582.7 | 36.6      |                         |      | G5      |
| FVH (80°-90°)  | 1040.1  | 2.6       |                         |      | G5      |
| BL (0°-30°)    | 2674.1  | 6.7       | B4/5000                 |      |         |
| BM (30°-60°)   | 6696.2  | 16.8      | B4/8500                 |      |         |
| BH (60°-80°)   | 2808.9  | 7.0       | B4/5000                 |      | G4/5000 |
| BVH (80°-90°)  | 166.1   | 0.4       |                         |      | G2/225  |
| UL (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G5**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 40°     | 45°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4556.3  | 4556.3  | 4556.3  | 4556.3  | 4556.3  | 4556.3  | 4556.3  | 4556.3  | 4556.3  | 4556.3  |
| 2.5°  | 4486.6  | 4511.9  | 4505.6  | 4497.2  | 4497.2  | 4499.3  | 4497.2  | 4511.9  | 4526.7  | 4541.5  |
| 5°    | 4533.1  | 4558.4  | 4545.8  | 4535.2  | 4526.7  | 4524.6  | 4518.3  | 4516.2  | 4524.6  | 4543.6  |
| 7.5°  | 4624.0  | 4649.3  | 4630.3  | 4611.3  | 4594.4  | 4585.9  | 4577.5  | 4564.8  | 4558.4  | 4569.0  |
| 10°   | 4725.4  | 4750.8  | 4727.5  | 4693.7  | 4666.2  | 4655.7  | 4647.2  | 4634.5  | 4626.1  | 4632.4  |
| 12.5° | 4826.8  | 4852.2  | 4820.5  | 4774.0  | 4738.1  | 4731.7  | 4721.2  | 4716.9  | 4714.8  | 4712.7  |
| 15°   | 4921.9  | 4943.1  | 4902.9  | 4848.0  | 4809.9  | 4799.4  | 4788.8  | 4795.1  | 4805.7  | 4818.4  |
| 17.5° | 4995.9  | 5017.0  | 4957.9  | 4886.0  | 4850.1  | 4845.9  | 4839.5  | 4860.6  | 4890.2  | 4921.9  |
| 20°   | 5063.5  | 5084.7  | 5008.6  | 4911.4  | 4869.1  | 4869.1  | 4871.2  | 4915.6  | 4957.9  | 5004.4  |
| 22.5° | 5158.6  | 5175.5  | 5082.5  | 4949.4  | 4888.1  | 4892.3  | 4909.3  | 4953.6  | 5006.5  | 5069.9  |
| 25°   | 5300.2  | 5312.9  | 5198.8  | 5021.3  | 4951.5  | 4964.2  | 4979.0  | 5000.1  | 5050.8  | 5124.8  |
| 27.5° | 5528.5  | 5539.0  | 5389.0  | 5148.1  | 5042.4  | 5063.5  | 5084.7  | 5069.9  | 5093.1  | 5156.5  |
| 30°   | 5849.7  | 5856.0  | 5665.8  | 5346.7  | 5196.7  | 5207.2  | 5211.5  | 5150.2  | 5105.8  | 5156.5  |
| 32.5° | 6230.1  | 6228.0  | 6001.8  | 5587.6  | 5372.1  | 5361.5  | 5325.6  | 5205.1  | 5101.6  | 5145.9  |
| 35°   | 6819.7  | 6796.5  | 6504.8  | 5925.8  | 5570.7  | 5505.2  | 5420.7  | 5266.4  | 5122.7  | 5135.4  |
| 37.5° | 7796.1  | 7724.2  | 7320.6  | 6479.5  | 5866.6  | 5699.6  | 5575.0  | 5365.7  | 5169.2  | 5131.2  |
| 40°   | 8897.1  | 8806.2  | 8362.4  | 7238.1  | 6310.4  | 6042.0  | 5841.2  | 5507.3  | 5245.3  | 5150.2  |
| 42.5° | 10203.1 | 10074.2 | 9596.6  | 8132.1  | 6872.5  | 6483.7  | 6181.5  | 5687.0  | 5357.3  | 5211.5  |
| 45°   | 11807.1 | 11636.0 | 10959.7 | 9140.1  | 7580.5  | 7062.7  | 6659.1  | 5959.6  | 5528.5  | 5329.8  |
| 47.5° | 13428.1 | 13470.3 | 12508.8 | 10294.0 | 8430.1  | 7777.0  | 7257.2  | 6369.6  | 5777.8  | 5520.0  |
| 50°   | 15150.4 | 15180.0 | 14049.4 | 11572.6 | 9393.7  | 8584.3  | 7929.2  | 6828.2  | 6124.4  | 5790.5  |
| 52.5° | 16494.5 | 16498.7 | 15448.4 | 12910.3 | 10397.6 | 9471.9  | 8654.1  | 7352.3  | 6525.9  | 6149.8  |
| 55°   | 17335.6 | 17325.0 | 16429.0 | 14176.2 | 11551.4 | 10403.9 | 9457.1  | 7948.2  | 7016.2  | 6572.4  |
| 57.5° | 17946.4 | 17914.7 | 17105.3 | 15264.5 | 12781.4 | 11504.9 | 10365.9 | 8624.5  | 7595.3  | 7075.4  |
| 60°   | 18178.8 | 18159.8 | 17563.8 | 16205.0 | 14074.7 | 12722.2 | 11414.1 | 9381.0  | 8252.5  | 7669.3  |
| 62.5° | 18267.6 | 18303.5 | 18014.0 | 17115.8 | 15459.0 | 14070.5 | 12565.8 | 10285.6 | 8992.2  | 8341.3  |
| 65°   | 18580.4 | 18645.9 | 18586.7 | 18307.7 | 17022.8 | 15649.2 | 14093.8 | 11361.2 | 9799.5  | 9061.9  |
| 67.5° | 19199.6 | 19265.1 | 19290.4 | 19734.2 | 18933.3 | 17616.7 | 16000.0 | 12701.1 | 10744.1 | 9810.1  |
| 70°   | 19184.8 | 19165.7 | 19613.8 | 20869.1 | 21325.6 | 20340.8 | 18569.8 | 14349.5 | 11870.5 | 10431.4 |
| 72.5° | 17462.4 | 17310.2 | 18369.0 | 20856.4 | 23316.3 | 23185.3 | 21708.1 | 16475.5 | 12842.7 | 10507.5 |
| 75°   | 13100.5 | 12694.7 | 14565.0 | 18795.9 | 23648.1 | 24799.9 | 23703.1 | 17794.2 | 12612.3 | 9283.8  |
| 77.5° | 5602.4  | 5194.6  | 7398.8  | 13914.1 | 21165.0 | 23183.2 | 21872.9 | 15524.5 | 10067.9 | 6139.2  |
| 80°   | 1466.6  | 1464.5  | 2235.9  | 6308.3  | 14393.9 | 17120.0 | 15019.4 | 10025.6 | 5752.5  | 2193.6  |
| 82.5° | 606.5   | 591.7   | 822.1   | 2453.6  | 7033.1  | 9607.2  | 7840.4  | 4471.8  | 2077.4  | 593.8   |
| 85°   | 226.1   | 224.0   | 399.4   | 847.4   | 2481.0  | 3962.5  | 2867.8  | 1143.3  | 517.8   | 289.5   |
| 87.5° | 63.4    | 61.3    | 86.6    | 293.8   | 604.4   | 917.2   | 490.3   | 188.1   | 145.8   | 114.1   |
| 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):**

| 85°     |       | 90°     | 95°     | 105°    | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| 4556.3  | 0°    | 4556.3  | 4556.3  | 4556.3  | 4556.3 | 4556.3 | 4556.3 | 4556.3 | 4556.3 | 4556.3 | 4556.3 |
| 4564.8  | 2.5°  | 4571.1  | 4581.7  | 4600.7  | 4615.5 | 4634.5 | 4655.7 | 4685.2 | 4704.3 | 4723.3 | 4736.0 |
| 4575.3  | 5°    | 4590.1  | 4613.4  | 4662.0  | 4710.6 | 4767.7 | 4820.5 | 4881.8 | 4926.2 | 4962.1 | 4972.7 |
| 4613.4  | 7.5°  | 4632.4  | 4670.4  | 4752.9  | 4835.3 | 4926.2 | 5012.8 | 5101.6 | 5177.6 | 5238.9 | 5262.2 |
| 4681.0  | 10°   | 4706.4  | 4757.1  | 4873.3  | 4989.6 | 5110.0 | 5243.2 | 5357.3 | 5467.2 | 5553.8 | 5589.7 |
| 4761.3  | 12.5° | 4799.4  | 4862.8  | 5014.9  | 5175.5 | 5342.5 | 5526.3 | 5674.3 | 5809.5 | 5917.3 | 5965.9 |
| 4873.3  | 15°   | 4919.8  | 5002.2  | 5196.7  | 5412.2 | 5657.4 | 5913.1 | 6101.2 | 6251.2 | 6371.7 | 6430.8 |
| 4989.6  | 17.5° | 5050.8  | 5160.7  | 5405.9  | 5731.3 | 6082.1 | 6418.2 | 6638.0 | 6747.8 | 6872.5 | 6929.6 |
| 5097.3  | 20°   | 5177.6  | 5312.9  | 5663.7  | 6137.1 | 6604.1 | 6961.3 | 7138.8 | 7168.4 | 7176.9 | 7183.2 |
| 5198.8  | 22.5° | 5308.7  | 5490.4  | 5987.0  | 6648.5 | 7149.4 | 7396.6 | 7422.0 | 7295.2 | 7117.7 | 7035.3 |
| 5298.1  | 25°   | 5452.4  | 5693.3  | 6409.7  | 7212.8 | 7618.5 | 7648.1 | 7453.7 | 7145.2 | 6809.1 | 6654.9 |
| 5378.4  | 27.5° | 5591.9  | 5927.9  | 6916.9  | 7751.7 | 7956.7 | 7696.7 | 7278.3 | 6840.8 | 6435.1 | 6272.3 |
| 5435.5  | 30°   | 5731.3  | 6196.3  | 7476.9  | 8222.9 | 8110.9 | 7576.3 | 7001.4 | 6513.3 | 6105.4 | 5934.2 |
| 5486.2  | 32.5° | 5872.9  | 6509.0  | 8121.5  | 8563.2 | 8083.5 | 7320.6 | 6657.0 | 6145.5 | 5786.3 | 5606.7 |
| 5530.6  | 35°   | 6033.5  | 6893.7  | 8732.3  | 8749.2 | 7899.6 | 6944.4 | 6202.6 | 5706.0 | 5393.2 | 5249.5 |
| 5583.4  | 37.5° | 6242.8  | 7381.8  | 9271.2  | 8795.7 | 7578.4 | 6392.8 | 5638.4 | 5186.1 | 4928.3 | 4862.8 |
| 5661.6  | 40°   | 6502.7  | 7969.3  | 9683.3  | 8721.7 | 7102.9 | 5722.9 | 5021.3 | 4659.9 | 4514.1 | 4528.9 |
| 5767.3  | 42.5° | 6840.8  | 8626.6  | 9972.8  | 8531.5 | 6441.4 | 5031.8 | 4480.2 | 4319.6 | 4389.4 | 4448.5 |
| 5925.8  | 45°   | 7280.4  | 9309.2  | 10152.4 | 8208.2 | 5693.3 | 4446.4 | 4161.1 | 4199.2 | 4252.0 | 4258.4 |
| 6181.5  | 47.5° | 7842.5  | 10000.3 | 10270.8 | 7720.0 | 4930.4 | 4034.3 | 3958.3 | 3966.7 | 3956.1 | 3911.8 |
| 6564.0  | 50°   | 8544.2  | 10672.3 | 10376.4 | 7073.3 | 4281.6 | 3776.5 | 3675.1 | 3645.5 | 3499.7 | 3356.0 |
| 7073.3  | 52.5° | 9343.0  | 11289.4 | 10420.8 | 6270.2 | 3776.5 | 3561.0 | 3396.1 | 3210.1 | 2937.5 | 2893.1 |
| 7713.6  | 55°   | 10230.6 | 11860.0 | 10306.7 | 5283.3 | 3351.7 | 3284.1 | 3034.7 | 2810.7 | 2781.1 | 2743.1 |
| 8556.9  | 57.5° | 11291.5 | 12475.0 | 10074.2 | 4182.3 | 2916.4 | 2960.8 | 2717.7 | 2743.1 | 2690.3 | 2631.1 |
| 9641.0  | 60°   | 12451.7 | 13111.1 | 9666.3  | 3178.4 | 2466.3 | 2557.1 | 2635.3 | 2633.2 | 2618.4 | 2569.8 |
| 10784.3 | 62.5° | 13495.7 | 13529.5 | 8863.3  | 2434.6 | 2071.1 | 2244.4 | 2457.8 | 2455.7 | 2443.0 | 2415.5 |
| 11978.3 | 65°   | 14117.0 | 13466.1 | 7523.4  | 1916.8 | 1745.6 | 1986.5 | 2216.9 | 2233.8 | 2235.9 | 2233.8 |
| 12876.5 | 67.5° | 14007.1 | 12724.3 | 5684.8  | 1525.8 | 1477.2 | 1724.5 | 1978.1 | 2001.3 | 2018.2 | 2022.5 |
| 12990.6 | 70°   | 12764.5 | 11095.0 | 3706.8  | 1217.3 | 1238.4 | 1494.1 | 1751.9 | 1775.2 | 1790.0 | 1806.9 |
| 11272.5 | 72.5° | 9949.5  | 8157.4  | 2121.8  | 984.8  | 1029.2 | 1295.5 | 1527.9 | 1555.4 | 1563.9 | 1595.6 |
| 7844.7  | 75°   | 6063.1  | 4797.2  | 1145.4  | 775.6  | 845.3  | 1107.4 | 1306.0 | 1337.7 | 1352.5 | 1390.6 |
| 3852.6  | 77.5° | 2882.6  | 2077.4  | 653.0   | 604.4  | 680.5  | 904.5  | 1103.2 | 1139.1 | 1098.9 | 1120.1 |
| 1063.0  | 80°   | 974.2   | 771.4   | 412.1   | 460.7  | 519.9  | 705.9  | 883.4  | 919.3  | 834.8  | 830.5  |
| 352.9   | 82.5° | 340.2   | 312.8   | 262.1   | 306.4  | 336.0  | 505.1  | 667.8  | 714.3  | 621.3  | 619.2  |
| 158.5   | 85°   | 133.1   | 126.8   | 145.8   | 167.0  | 200.8  | 310.7  | 439.6  | 462.8  | 382.5  | 308.5  |
| 46.5    | 87.5° | 27.5    | 29.6    | 35.9    | 38.0   | 61.3   | 107.8  | 158.5  | 194.4  | 154.3  | 131.0  |
| 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°   |
|--------|
| 4556.3 |
| 4727.5 |
| 4976.9 |
| 5264.3 |
| 5591.9 |
| 5965.9 |
| 6426.6 |
| 6927.5 |
| 7200.1 |
| 7058.5 |
| 6678.1 |
| 6291.4 |
| 5953.2 |
| 5629.9 |
| 5281.2 |
| 4909.3 |
| 4579.6 |
| 4503.5 |
| 4300.6 |
| 3945.6 |
| 3375.0 |
| 2907.9 |
| 2749.4 |
| 2620.5 |
| 2552.9 |
| 2405.0 |
| 2233.8 |
| 2026.7 |
| 1815.3 |
| 1608.2 |
| 1394.8 |
| 1103.2 |
| 822.1  |
| 589.6  |
| 304.3  |
| 120.5  |
| 0.0    |

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