

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: P850113

Luminaire Tested: **GLAN-SB7C-722-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850113  
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-SB7C-722-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 41284 lumens  
Efficiency: N/A  
Efficacy: 117.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B4 - U0 - G5

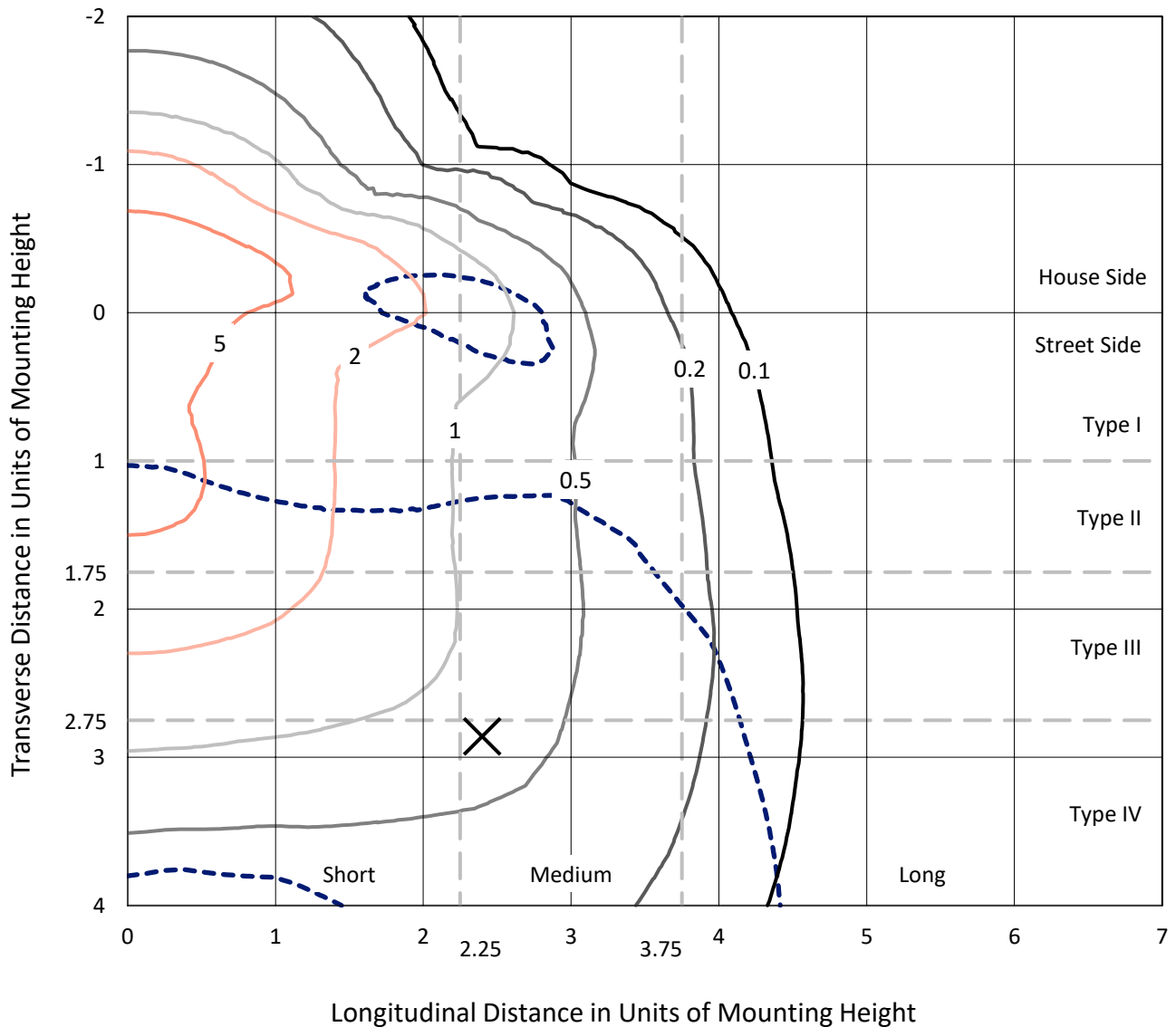
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

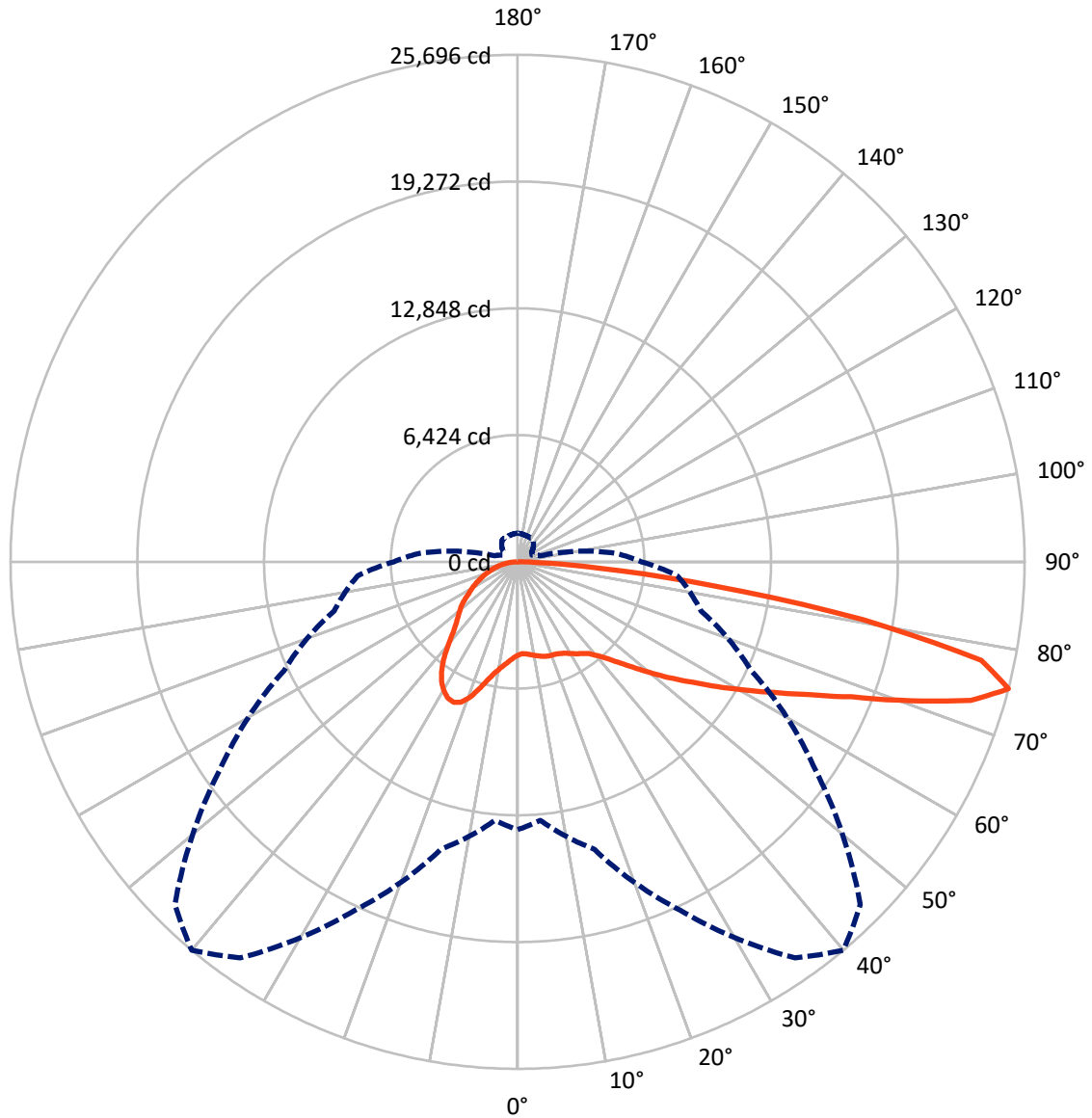
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 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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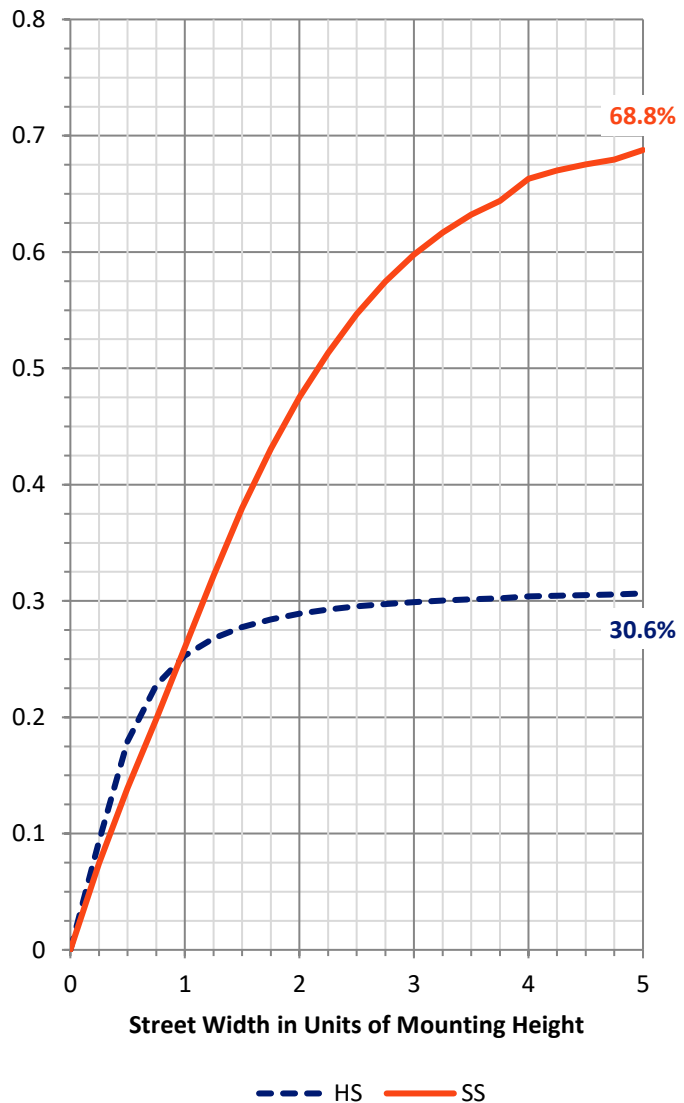
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 12791.2  | 0.0    | 12791.2 |
|                    | % Fixture | 31.0     | 0.0    | 31.0    |
| <b>Street Side</b> | Lumens    | 28492.8  | 0.0    | 28492.8 |
|                    | % Fixture | 69.0     | 0.0    | 69.0    |
| <b>Total</b>       | Lumens    | 41284.0  | 0.0    | 41284.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 471.2   | 1.1       |
| 10°-20°   | 1582.1  | 3.8       |
| 20°-30°   | 2888.9  | 7.0       |
| 30°-40°   | 4097.2  | 9.9       |
| 40°-50°   | 5532.5  | 13.4      |
| 50°-60°   | 7442.7  | 18.0      |
| 60°-70°   | 9446.4  | 22.9      |
| 70°-80°   | 8573.2  | 20.8      |
| 80°-90°   | 1249.7  | 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°    | 41284.0 | 100.0     |
| 0°-180°   | 41284.0 | 100.0     |

**Coefficient of Utilization**

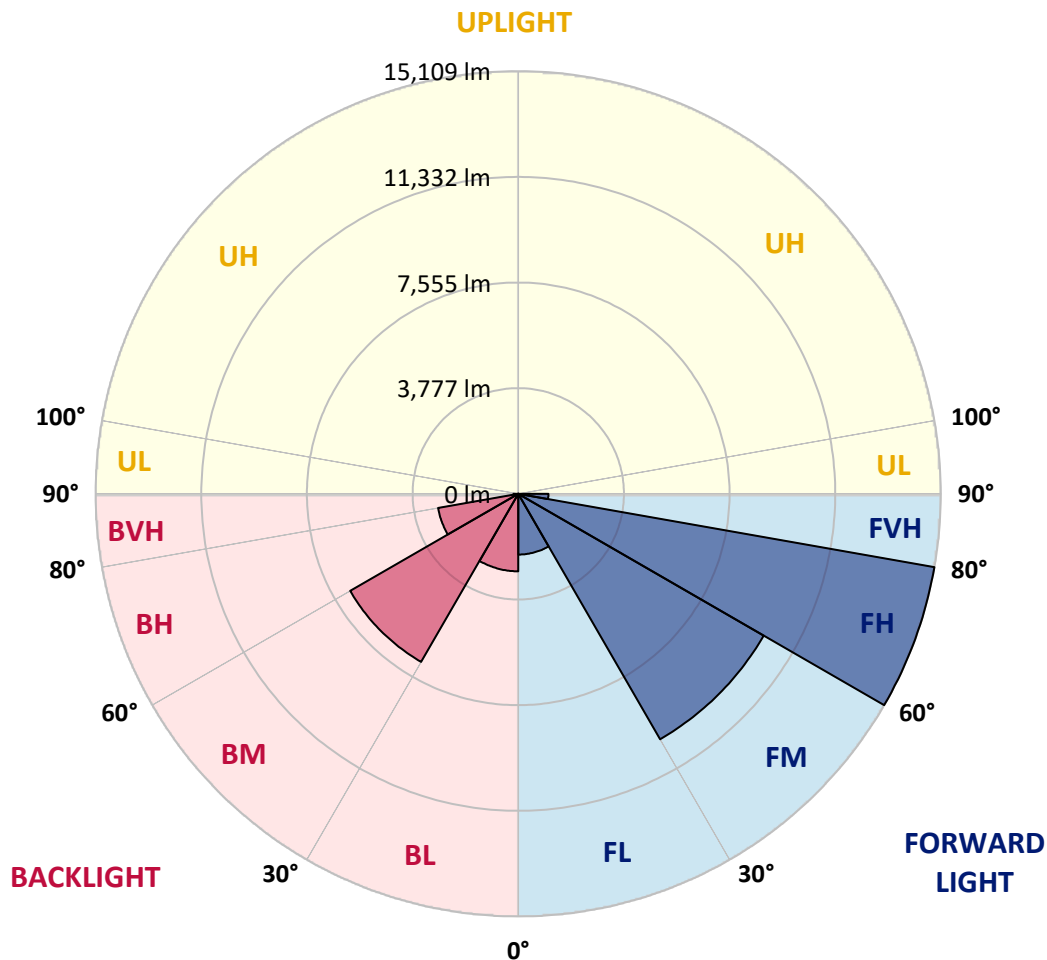


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|---------|-----------|-------------------------|------|---------|
|                |         |           | B                       | U    | G       |
| FL (0°-30°)    | 2171.6  | 5.3       |                         |      |         |
| FM (30°-60°)   | 10134.3 | 24.5      |                         |      |         |
| FH (60°-80°)   | 15109.3 | 36.6      |                         |      | G5      |
| FVH (80°-90°)  | 1077.7  | 2.6       |                         |      | G5      |
| BL (0°-30°)    | 2770.7  | 6.7       | B4/5000                 |      |         |
| BM (30°-60°)   | 6938.1  | 16.8      | B4/8500                 |      |         |
| BH (60°-80°)   | 2910.4  | 7.0       | B4/5000                 |      | G4/5000 |
| BVH (80°-90°)  | 172.1   | 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°    | 4720.9  | 4720.9  | 4720.9  | 4720.9  | 4720.9  | 4720.9  | 4720.9  | 4720.9  | 4720.9  | 4720.9  |
| 2.5°  | 4648.6  | 4674.9  | 4668.3  | 4659.6  | 4659.6  | 4661.8  | 4659.6  | 4674.9  | 4690.2  | 4705.6  |
| 5°    | 4696.8  | 4723.1  | 4709.9  | 4699.0  | 4690.2  | 4688.0  | 4681.5  | 4679.3  | 4688.0  | 4707.7  |
| 7.5°  | 4790.9  | 4817.2  | 4797.5  | 4777.8  | 4760.3  | 4751.5  | 4742.8  | 4729.6  | 4723.1  | 4734.0  |
| 10°   | 4896.1  | 4922.3  | 4898.2  | 4863.2  | 4834.7  | 4823.8  | 4815.0  | 4801.9  | 4793.1  | 4799.7  |
| 12.5° | 5001.2  | 5027.4  | 4994.6  | 4946.4  | 4909.2  | 4902.6  | 4891.7  | 4887.3  | 4885.1  | 4882.9  |
| 15°   | 5099.7  | 5121.6  | 5080.0  | 5023.1  | 4983.6  | 4972.7  | 4961.7  | 4968.3  | 4979.3  | 4992.4  |
| 17.5° | 5176.3  | 5198.2  | 5136.9  | 5062.5  | 5025.2  | 5020.9  | 5014.3  | 5036.2  | 5066.8  | 5099.7  |
| 20°   | 5246.4  | 5268.3  | 5189.5  | 5088.7  | 5044.9  | 5044.9  | 5047.1  | 5093.1  | 5136.9  | 5185.1  |
| 22.5° | 5344.9  | 5362.4  | 5266.1  | 5128.2  | 5064.7  | 5069.0  | 5086.6  | 5132.5  | 5187.3  | 5253.0  |
| 25°   | 5491.6  | 5504.8  | 5386.5  | 5202.6  | 5130.3  | 5143.5  | 5158.8  | 5180.7  | 5233.3  | 5309.9  |
| 27.5° | 5728.1  | 5739.1  | 5583.6  | 5334.0  | 5224.5  | 5246.4  | 5268.3  | 5253.0  | 5277.1  | 5342.7  |
| 30°   | 6060.9  | 6067.5  | 5870.4  | 5539.8  | 5384.3  | 5395.3  | 5399.7  | 5336.2  | 5290.2  | 5342.7  |
| 32.5° | 6455.1  | 6452.9  | 6218.6  | 5789.4  | 5566.1  | 5555.1  | 5517.9  | 5393.1  | 5285.8  | 5331.8  |
| 35°   | 7066.0  | 7041.9  | 6739.7  | 6139.8  | 5771.9  | 5704.0  | 5616.4  | 5456.6  | 5307.7  | 5320.8  |
| 37.5° | 8077.6  | 8003.2  | 7584.9  | 6713.5  | 6078.5  | 5905.5  | 5776.3  | 5559.5  | 5355.9  | 5316.5  |
| 40°   | 9218.4  | 9124.3  | 8664.4  | 7499.5  | 6538.3  | 6260.2  | 6052.2  | 5706.2  | 5434.7  | 5336.2  |
| 42.5° | 10571.6 | 10438.1 | 9943.2  | 8425.8  | 7120.7  | 6717.8  | 6404.7  | 5892.3  | 5550.8  | 5399.7  |
| 45°   | 12233.6 | 12056.2 | 11355.5 | 9470.2  | 7854.3  | 7317.8  | 6899.6  | 6174.8  | 5728.1  | 5522.3  |
| 47.5° | 13913.0 | 13956.8 | 12960.5 | 10665.8 | 8734.5  | 8057.9  | 7519.3  | 6599.6  | 5986.5  | 5719.4  |
| 50°   | 15697.6 | 15728.2 | 14556.8 | 11990.5 | 9733.0  | 8894.3  | 8215.6  | 7074.8  | 6345.6  | 5999.6  |
| 52.5° | 17090.2 | 17094.6 | 16006.3 | 13376.6 | 10773.1 | 9814.0  | 8966.6  | 7617.8  | 6761.6  | 6371.9  |
| 55°   | 17961.7 | 17950.7 | 17022.3 | 14688.2 | 11968.6 | 10779.6 | 9798.7  | 8235.3  | 7269.6  | 6809.8  |
| 57.5° | 18594.5 | 18561.6 | 17723.0 | 15815.8 | 13243.0 | 11920.4 | 10740.2 | 8936.0  | 7869.6  | 7330.9  |
| 60°   | 18835.3 | 18815.6 | 18198.2 | 16790.2 | 14583.1 | 13181.7 | 11826.3 | 9719.8  | 8550.6  | 7946.2  |
| 62.5° | 18927.3 | 18964.5 | 18664.6 | 17734.0 | 16017.3 | 14578.7 | 13019.6 | 10657.0 | 9317.0  | 8642.5  |
| 65°   | 19251.4 | 19319.3 | 19258.0 | 18968.9 | 17637.6 | 16214.3 | 14602.8 | 11771.5 | 10153.4 | 9389.2  |
| 67.5° | 19892.9 | 19960.8 | 19987.1 | 20446.9 | 19617.1 | 18252.9 | 16577.8 | 13159.8 | 11132.2 | 10164.3 |
| 70°   | 19877.6 | 19857.9 | 20322.1 | 21622.8 | 22095.7 | 21075.4 | 19240.4 | 14867.7 | 12299.3 | 10808.1 |
| 72.5° | 18093.1 | 17935.4 | 19032.4 | 21609.6 | 24158.4 | 24022.6 | 22492.1 | 17070.5 | 13306.5 | 10886.9 |
| 75°   | 13573.6 | 13153.2 | 15091.1 | 19474.7 | 24502.2 | 25695.5 | 24559.1 | 18436.8 | 13067.8 | 9619.1  |
| 77.5° | 5804.8  | 5382.2  | 7666.0  | 14416.6 | 21929.3 | 24020.4 | 22662.9 | 16085.2 | 10431.5 | 6360.9  |
| 80°   | 1519.6  | 1517.4  | 2316.6  | 6536.1  | 14913.7 | 17738.3 | 15561.8 | 10387.7 | 5960.2  | 2272.9  |
| 82.5° | 628.4   | 613.1   | 851.8   | 2542.2  | 7287.1  | 9954.1  | 8123.6  | 4633.3  | 2152.4  | 615.3   |
| 85°   | 234.3   | 232.1   | 413.8   | 878.0   | 2570.6  | 4105.6  | 2971.4  | 1184.6  | 536.5   | 300.0   |
| 87.5° | 65.7    | 63.5    | 89.8    | 304.4   | 626.2   | 950.3   | 508.0   | 194.9   | 151.1   | 118.2   |
| 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°   |
|---------|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| 4720.9  | 0°    | 4720.9  | 4720.9  | 4720.9  | 4720.9 | 4720.9 | 4720.9 | 4720.9 | 4720.9 | 4720.9 | 4720.9 |
| 4729.6  | 2.5°  | 4736.2  | 4747.2  | 4766.9  | 4782.2 | 4801.9 | 4823.8 | 4854.4 | 4874.2 | 4893.9 | 4907.0 |
| 4740.6  | 5°    | 4755.9  | 4780.0  | 4830.4  | 4880.7 | 4939.8 | 4994.6 | 5058.1 | 5104.1 | 5141.3 | 5152.2 |
| 4780.0  | 7.5°  | 4799.7  | 4839.1  | 4924.5  | 5009.9 | 5104.1 | 5193.8 | 5285.8 | 5364.6 | 5428.1 | 5452.2 |
| 4850.1  | 10°   | 4876.3  | 4928.9  | 5049.3  | 5169.8 | 5294.6 | 5432.5 | 5550.8 | 5664.6 | 5754.4 | 5791.6 |
| 4933.3  | 12.5° | 4972.7  | 5038.4  | 5196.0  | 5362.4 | 5535.4 | 5725.9 | 5879.2 | 6019.3 | 6131.0 | 6181.4 |
| 5049.3  | 15°   | 5097.5  | 5182.9  | 5384.3  | 5607.7 | 5861.7 | 6126.6 | 6321.5 | 6477.0 | 6601.8 | 6663.1 |
| 5169.8  | 17.5° | 5233.3  | 5347.1  | 5601.1  | 5938.3 | 6301.8 | 6650.0 | 6877.7 | 6991.5 | 7120.7 | 7179.9 |
| 5281.4  | 20°   | 5364.6  | 5504.8  | 5868.3  | 6358.7 | 6842.6 | 7212.7 | 7396.6 | 7427.3 | 7436.0 | 7442.6 |
| 5386.5  | 22.5° | 5500.4  | 5688.7  | 6203.3  | 6888.6 | 7407.6 | 7663.8 | 7690.0 | 7558.7 | 7374.7 | 7289.3 |
| 5489.4  | 25°   | 5649.3  | 5898.9  | 6641.2  | 7473.3 | 7893.7 | 7924.3 | 7722.9 | 7403.2 | 7055.0 | 6895.2 |
| 5572.7  | 27.5° | 5793.8  | 6142.0  | 7166.7  | 8031.6 | 8244.0 | 7974.7 | 7541.1 | 7087.9 | 6667.5 | 6498.9 |
| 5631.8  | 30°   | 5938.3  | 6420.0  | 7747.0  | 8519.9 | 8403.9 | 7849.9 | 7254.3 | 6748.5 | 6325.9 | 6148.5 |
| 5684.3  | 32.5° | 6085.0  | 6744.1  | 8414.8  | 8872.5 | 8375.4 | 7584.9 | 6897.4 | 6367.5 | 5995.3 | 5809.1 |
| 5730.3  | 35°   | 6251.4  | 7142.6  | 9047.6  | 9065.1 | 8184.9 | 7195.2 | 6426.6 | 5912.0 | 5588.0 | 5439.1 |
| 5785.0  | 37.5° | 6468.2  | 7648.4  | 9606.0  | 9113.3 | 7852.1 | 6623.7 | 5842.0 | 5373.4 | 5106.3 | 5038.4 |
| 5866.1  | 40°   | 6737.5  | 8257.2  | 10033.0 | 9036.7 | 7359.4 | 5929.6 | 5202.6 | 4828.2 | 4677.1 | 4692.4 |
| 5975.5  | 42.5° | 7087.9  | 8938.1  | 10332.9 | 8839.6 | 6674.0 | 5213.6 | 4642.1 | 4475.6 | 4547.9 | 4609.2 |
| 6139.8  | 45°   | 7543.3  | 9645.4  | 10519.1 | 8504.6 | 5898.9 | 4607.0 | 4311.4 | 4350.8 | 4405.6 | 4412.1 |
| 6404.7  | 47.5° | 8125.8  | 10361.4 | 10641.7 | 7998.8 | 5108.4 | 4180.0 | 4101.2 | 4110.0 | 4099.0 | 4053.0 |
| 6801.0  | 50°   | 8852.7  | 11057.7 | 10751.2 | 7328.8 | 4436.2 | 3912.9 | 3807.8 | 3777.1 | 3626.1 | 3477.2 |
| 7328.8  | 52.5° | 9680.4  | 11697.1 | 10797.2 | 6496.7 | 3912.9 | 3689.6 | 3518.8 | 3326.1 | 3043.6 | 2997.6 |
| 7992.2  | 55°   | 10600.1 | 12288.3 | 10678.9 | 5474.1 | 3472.8 | 3402.7 | 3144.3 | 2912.2 | 2881.6 | 2842.2 |
| 8865.9  | 57.5° | 11699.3 | 12925.5 | 10438.1 | 4333.3 | 3021.7 | 3067.7 | 2815.9 | 2842.2 | 2787.4 | 2726.1 |
| 9989.2  | 60°   | 12901.4 | 13584.6 | 10015.4 | 3293.2 | 2555.3 | 2649.5 | 2730.5 | 2728.3 | 2713.0 | 2662.6 |
| 11173.8 | 62.5° | 13983.1 | 14018.1 | 9183.4  | 2522.5 | 2145.9 | 2325.4 | 2546.6 | 2544.4 | 2531.2 | 2502.8 |
| 12410.9 | 65°   | 14626.8 | 13952.4 | 7795.1  | 1986.0 | 1808.6 | 2058.3 | 2296.9 | 2314.5 | 2316.6 | 2314.5 |
| 13341.5 | 67.5° | 14513.0 | 13183.9 | 5890.2  | 1580.9 | 1530.6 | 1786.8 | 2049.5 | 2073.6 | 2091.1 | 2095.5 |
| 13459.8 | 70°   | 13225.5 | 11495.7 | 3840.6  | 1261.2 | 1283.1 | 1548.1 | 1815.2 | 1839.3 | 1854.6 | 1872.1 |
| 11679.6 | 72.5° | 10308.9 | 8452.0  | 2198.4  | 1020.4 | 1066.4 | 1342.3 | 1583.1 | 1611.6 | 1620.3 | 1653.2 |
| 8128.0  | 75°   | 6282.1  | 4970.5  | 1186.8  | 803.6  | 875.9  | 1147.4 | 1353.2 | 1386.0 | 1401.4 | 1440.8 |
| 3991.7  | 77.5° | 2986.7  | 2152.4  | 676.6   | 626.2  | 705.1  | 937.2  | 1143.0 | 1180.2 | 1138.6 | 1160.5 |
| 1101.4  | 80°   | 1009.4  | 799.2   | 427.0   | 477.3  | 538.7  | 731.3  | 915.3  | 952.5  | 864.9  | 860.5  |
| 365.7   | 82.5° | 352.5   | 324.1   | 271.5   | 317.5  | 348.2  | 523.3  | 691.9  | 740.1  | 643.8  | 641.6  |
| 164.2   | 85°   | 137.9   | 131.4   | 151.1   | 173.0  | 208.0  | 321.9  | 455.4  | 479.5  | 396.3  | 319.7  |
| 48.2    | 87.5° | 28.5    | 30.7    | 37.2    | 39.4   | 63.5   | 111.7  | 164.2  | 201.4  | 159.8  | 135.8  |
| 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°   |
|--------|
| 4720.9 |
| 4898.2 |
| 5156.6 |
| 5454.4 |
| 5793.8 |
| 6181.4 |
| 6658.7 |
| 7177.7 |
| 7460.1 |
| 7313.4 |
| 6919.3 |
| 6518.6 |
| 6168.2 |
| 5833.2 |
| 5471.9 |
| 5086.6 |
| 4745.0 |
| 4666.1 |
| 4455.9 |
| 4088.1 |
| 3496.9 |
| 3013.0 |
| 2848.7 |
| 2715.2 |
| 2645.1 |
| 2491.8 |
| 2314.5 |
| 2099.9 |
| 1880.9 |
| 1666.3 |
| 1445.2 |
| 1143.0 |
| 851.8  |
| 610.9  |
| 315.3  |
| 124.8  |
| 0.0    |

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