

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: P955799

Luminaire Tested: **GLAN-SB8C-927-U-SL3-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955799  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8C-927-U-SL3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29685 lumens  
Efficiency: N/A  
Efficacy: 74.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G4

Input Watts (W): 399.8  
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



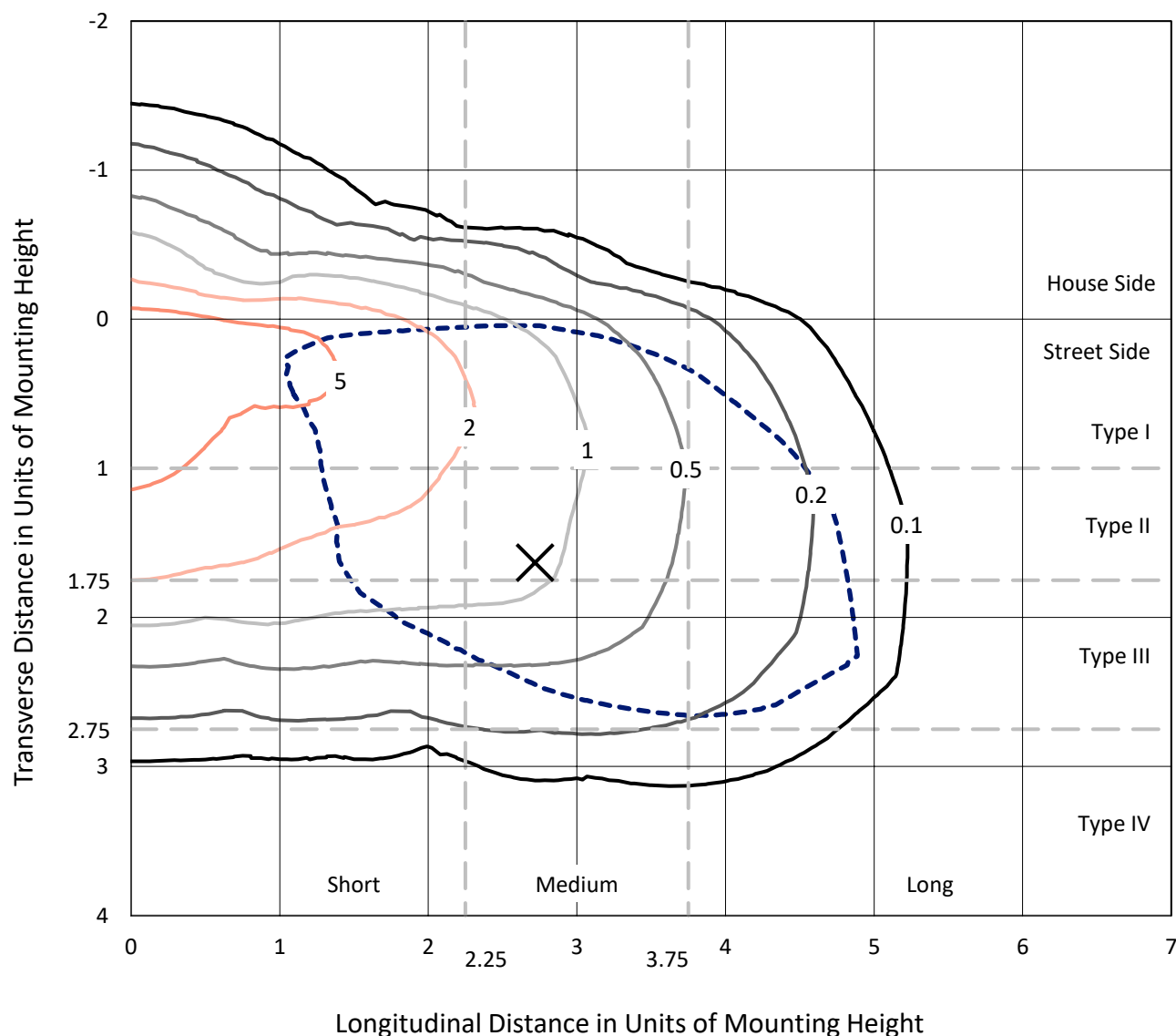
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## Iso-Footcandle Lines of Horizontal Illumination

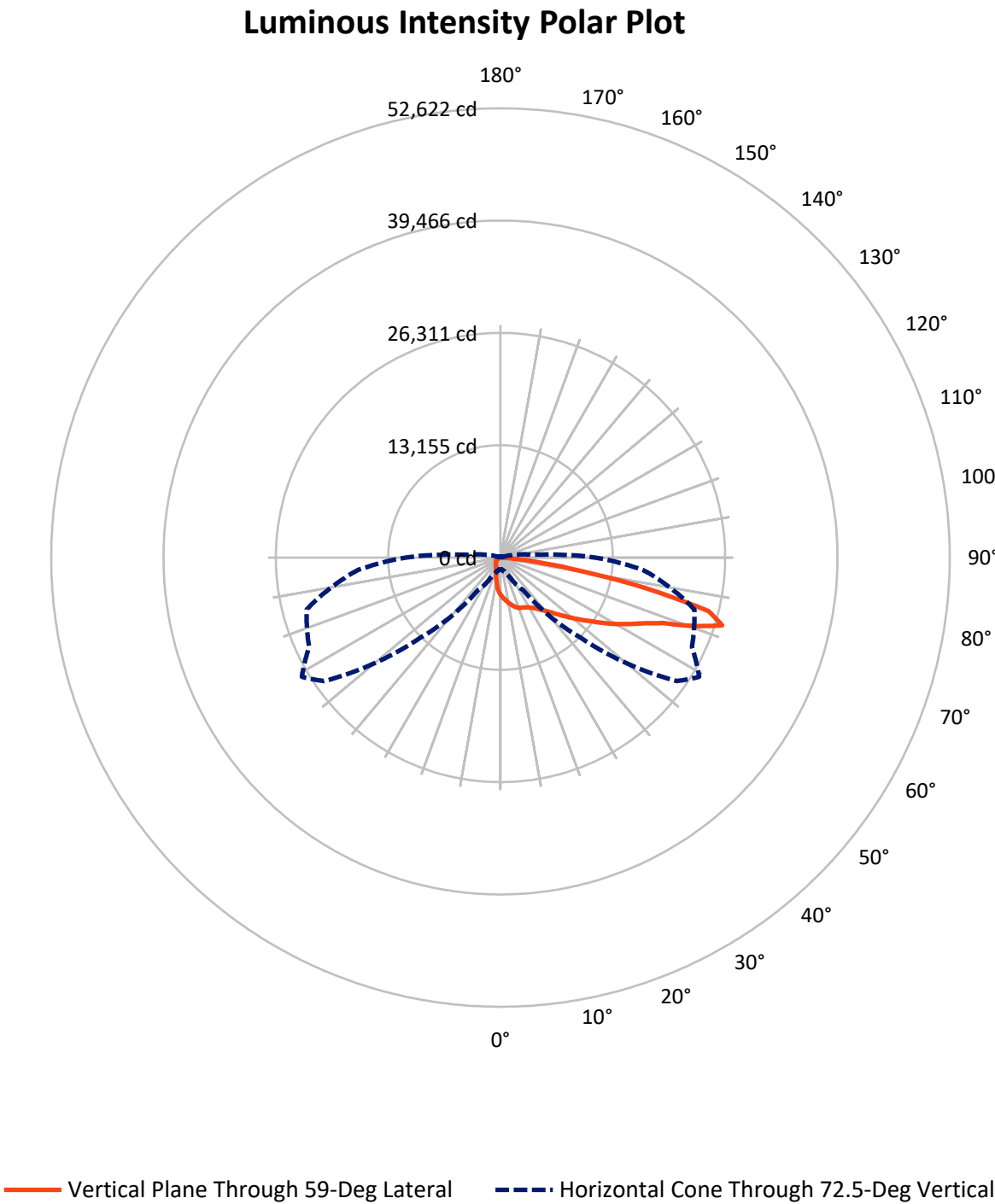
× Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc  
 Type III - Medium - N/A

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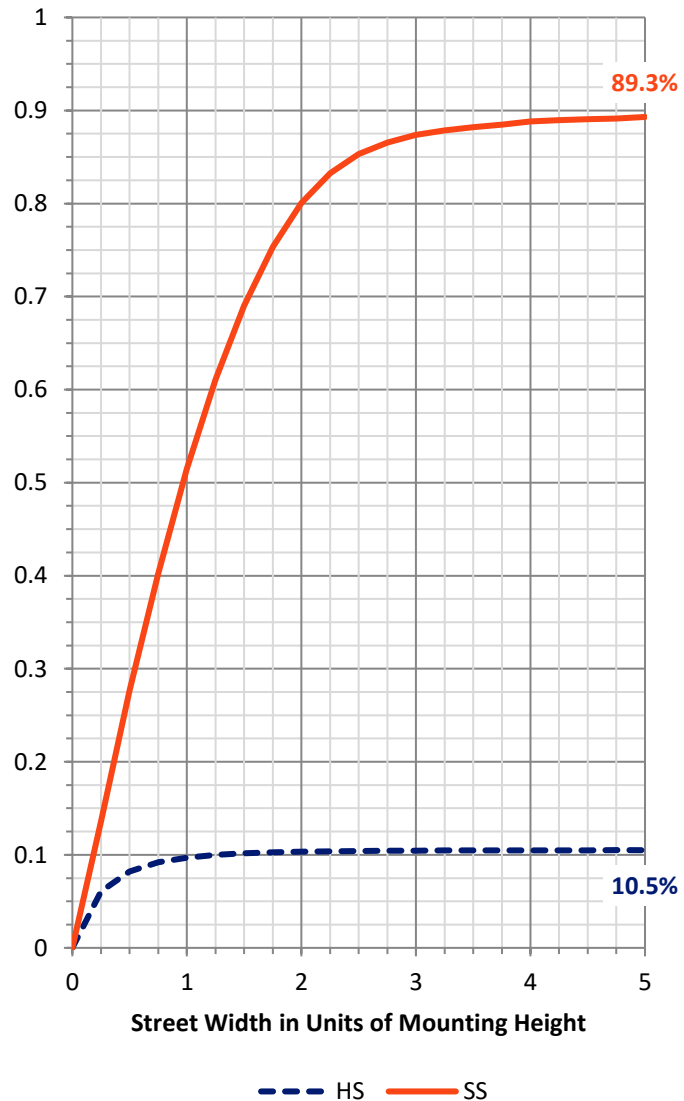
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3135.4   | 0.0    | 3135.4  |
|                    | % Fixture | 10.6     | 0.0    | 10.6    |
| <b>Street Side</b> | Lumens    | 26549.6  | 0.0    | 26549.6 |
|                    | % Fixture | 89.4     | 0.0    | 89.4    |
| <b>Total</b>       | Lumens    | 29685.0  | 0.0    | 29685.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 397.1   | 1.3       |
| 10°-20°   | 1054.9  | 3.6       |
| 20°-30°   | 1671.9  | 5.6       |
| 30°-40°   | 2683.0  | 9.0       |
| 40°-50°   | 4285.3  | 14.4      |
| 50°-60°   | 6204.5  | 20.9      |
| 60°-70°   | 7363.2  | 24.8      |
| 70°-80°   | 5466.1  | 18.4      |
| 80°-90°   | 558.9   | 1.9       |
| 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°    | 29685.0 | 100.0     |
| 0°-180°   | 29685.0 | 100.0     |

**Coefficient of Utilization**



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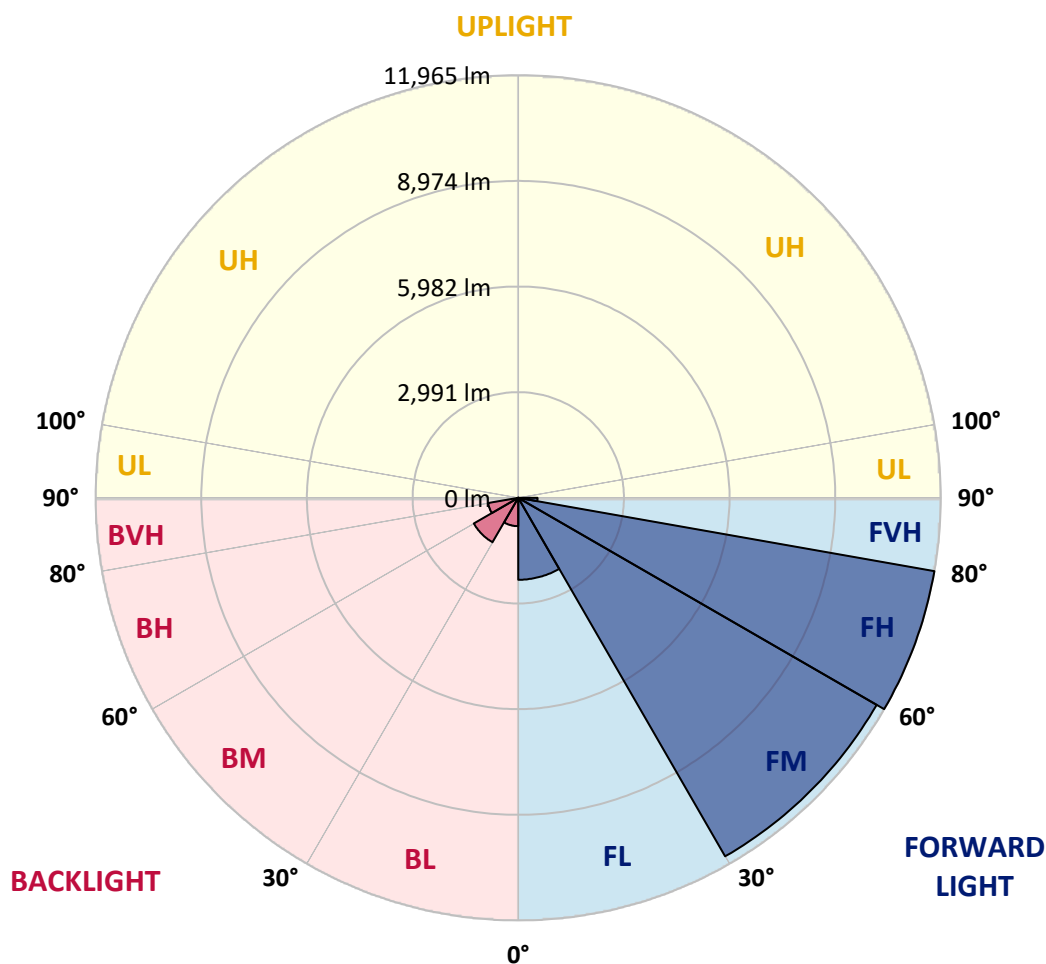
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 2320.7  | 7.8       |                         |      |          |
| FM   | (30°-60°)   | 11719.2 | 39.5      |                         |      |          |
| FH   | (60°-80°)   | 11964.8 | 40.3      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 545.0   | 1.8       |                         |      | G4/750   |
| BL   | (0°-30°)    | 803.2   | 2.7       | B2/1000                 |      |          |
| BM   | (30°-60°)   | 1453.6  | 4.9       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 864.6   | 2.9       | B2/1000                 |      | G2/1000  |
| BVH  | (80°-90°)   | 13.9    | 0.0       |                         |      | G1/100   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B2-U0-G4**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 59°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4389.7  | 4389.7  | 4389.7  | 4389.7  | 4389.7  | 4389.7  | 4389.7  | 4389.7  | 4389.7  | 4389.7  |
| 2.5°  | 4870.3  | 4843.2  | 4847.1  | 4800.6  | 4767.6  | 4732.7  | 4664.9  | 4655.2  | 4606.8  | 4521.5  |
| 5°    | 5294.8  | 5277.3  | 5261.8  | 5209.5  | 5141.7  | 5056.4  | 4942.1  | 4901.4  | 4812.2  | 4664.9  |
| 7.5°  | 5604.9  | 5583.5  | 5591.3  | 5539.0  | 5484.7  | 5389.7  | 5232.8  | 5157.2  | 5039.0  | 4814.1  |
| 10°   | 5664.9  | 5653.3  | 5703.7  | 5723.1  | 5723.1  | 5663.0  | 5509.9  | 5434.3  | 5261.8  | 4975.0  |
| 12.5° | 5327.7  | 5329.7  | 5455.6  | 5606.8  | 5804.5  | 5860.7  | 5758.0  | 5676.6  | 5506.0  | 5145.5  |
| 15°   | 4934.3  | 4936.2  | 5058.3  | 5252.1  | 5575.8  | 5899.5  | 5980.9  | 5928.5  | 5752.2  | 5329.7  |
| 17.5° | 4697.9  | 4688.2  | 4769.6  | 4928.5  | 5267.6  | 5723.1  | 6116.5  | 6151.4  | 6008.0  | 5533.2  |
| 20°   | 4664.9  | 4647.5  | 4690.1  | 4769.6  | 5011.8  | 5502.2  | 6132.0  | 6296.8  | 6271.6  | 5763.8  |
| 22.5° | 4866.5  | 4839.3  | 4816.1  | 4820.0  | 4922.7  | 5318.0  | 6093.3  | 6378.2  | 6542.9  | 6040.9  |
| 25°   | 5265.7  | 5223.1  | 5147.5  | 5050.6  | 5029.3  | 5279.3  | 6066.1  | 6467.3  | 6794.8  | 6395.6  |
| 27.5° | 5754.1  | 5694.0  | 5548.7  | 5403.3  | 5279.3  | 5387.8  | 6122.3  | 6608.8  | 7079.7  | 6808.4  |
| 30°   | 6290.9  | 6217.3  | 6071.9  | 5796.7  | 5599.1  | 5630.1  | 6256.1  | 6794.8  | 7444.1  | 7275.5  |
| 32.5° | 7079.7  | 6909.2  | 6655.3  | 6234.7  | 5973.1  | 5891.7  | 6457.6  | 7031.3  | 7895.7  | 7897.6  |
| 35°   | 7756.1  | 7661.1  | 7405.3  | 6882.0  | 6345.2  | 6238.6  | 6723.1  | 7364.6  | 8521.6  | 8721.3  |
| 37.5° | 8199.9  | 8070.1  | 7845.3  | 7451.8  | 6922.7  | 6595.2  | 7077.8  | 7773.6  | 9184.5  | 9659.3  |
| 40°   | 8696.1  | 8568.2  | 8269.7  | 7899.5  | 7593.3  | 7207.6  | 7525.5  | 8244.5  | 9911.2  | 10622.5 |
| 42.5° | 9294.9  | 9128.3  | 8775.5  | 8376.3  | 8056.5  | 8013.9  | 8110.8  | 8831.7  | 10657.4 | 11669.1 |
| 45°   | 9998.4  | 9841.5  | 9436.4  | 8932.5  | 8651.5  | 8575.9  | 8847.2  | 9515.9  | 11488.8 | 12816.4 |
| 47.5° | 10657.4 | 10475.2 | 10039.1 | 9579.8  | 9267.8  | 9029.4  | 9630.2  | 10324.0 | 12430.7 | 14016.0 |
| 50°   | 11217.5 | 11031.4 | 10632.2 | 10141.9 | 9930.6  | 9618.6  | 10399.6 | 11225.2 | 13364.9 | 15235.1 |
| 52.5° | 11601.2 | 11436.5 | 10967.5 | 10634.1 | 10490.7 | 10333.7 | 11300.8 | 12180.7 | 14295.1 | 16351.4 |
| 55°   | 11514.0 | 11366.7 | 10953.9 | 10930.7 | 10921.0 | 11085.7 | 12378.4 | 13264.1 | 15242.8 | 17407.6 |
| 57.5° | 11236.9 | 11070.2 | 10554.7 | 10909.3 | 11252.4 | 11756.3 | 13545.1 | 14545.1 | 16281.6 | 18403.8 |
| 60°   | 10420.9 | 10362.8 | 10048.8 | 10868.6 | 11391.9 | 12413.3 | 14878.5 | 15832.0 | 17405.7 | 19279.8 |
| 62.5° | 8694.1  | 8744.5  | 8742.6  | 10953.9 | 11643.9 | 13161.4 | 16089.8 | 17134.4 | 18504.6 | 20122.9 |
| 65°   | 6509.9  | 6684.4  | 6907.2  | 10186.4 | 11981.1 | 14496.7 | 17537.5 | 18547.2 | 19620.9 | 21103.5 |
| 67.5° | 4374.2  | 4513.7  | 4664.9  | 8356.9  | 10977.2 | 15899.8 | 19942.6 | 20483.3 | 20958.2 | 22190.8 |
| 70°   | 2504.0  | 2548.5  | 2759.8  | 5219.2  | 8461.6  | 15512.2 | 23859.4 | 24055.2 | 22952.4 | 23530.0 |
| 72.5° | 1403.2  | 1387.7  | 1666.7  | 2476.8  | 4728.9  | 13283.5 | 25231.6 | 27140.6 | 24737.4 | 23508.7 |
| 75°   | 938.0   | 940.0   | 1147.3  | 1562.1  | 1843.1  | 9298.8  | 21743.1 | 25165.7 | 23667.6 | 20845.8 |
| 77.5° | 639.6   | 660.9   | 843.1   | 1207.4  | 852.7   | 4537.0  | 14384.3 | 17628.6 | 19161.6 | 16097.5 |
| 80°   | 277.1   | 279.1   | 556.2   | 866.3   | 575.6   | 1443.9  | 7457.7  | 9444.2  | 12017.9 | 9039.1  |
| 82.5° | 143.4   | 162.8   | 354.7   | 560.1   | 362.4   | 505.8   | 3523.4  | 4126.1  | 5042.8  | 2653.2  |
| 85°   | 50.4    | 60.1    | 219.0   | 275.2   | 182.2   | 180.2   | 1226.8  | 1250.0  | 1067.9  | 399.2   |
| 87.5° | 0.0     | 9.7     | 85.3    | 67.8    | 23.3    | 21.3    | 145.4   | 122.1   | 96.9    | 56.2    |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4389.7  | 0°    | 4389.7  | 4389.7 | 4389.7 | 4389.7 | 4389.7 | 4389.7 | 4389.7 | 4389.7 | 4389.7 | 4389.7 |
| 4434.3  | 2.5°  | 4393.6  | 4341.3 | 4256.0 | 4151.3 | 4029.2 | 3963.3 | 3868.4 | 3810.2 | 3757.9 | 3759.8 |
| 4494.4  | 5°    | 4399.4  | 4312.2 | 4095.1 | 3864.5 | 3608.7 | 3420.7 | 3211.4 | 3064.1 | 2951.7 | 2924.5 |
| 4556.4  | 7.5°  | 4416.8  | 4269.5 | 3914.9 | 3531.1 | 3104.8 | 2788.9 | 2500.1 | 2317.9 | 2215.2 | 2188.1 |
| 4620.3  | 10°   | 4440.1  | 4223.0 | 3711.4 | 3124.2 | 2595.1 | 2215.2 | 1974.9 | 1858.6 | 1812.1 | 1777.2 |
| 4701.7  | 12.5° | 4459.5  | 4174.6 | 3455.6 | 2703.6 | 2141.6 | 1845.0 | 1662.9 | 1566.0 | 1525.3 | 1500.1 |
| 4796.7  | 15°   | 4492.4  | 4110.6 | 3178.4 | 2312.1 | 1835.3 | 1593.1 | 1420.6 | 1348.9 | 1337.3 | 1341.1 |
| 4901.4  | 17.5° | 4525.4  | 4048.6 | 2868.3 | 2005.9 | 1610.5 | 1372.1 | 1267.5 | 1255.9 | 1271.4 | 1286.9 |
| 5021.5  | 20°   | 4562.2  | 3959.5 | 2554.4 | 1775.3 | 1403.2 | 1219.0 | 1191.9 | 1199.7 | 1207.4 | 1234.5 |
| 5186.2  | 22.5° | 4616.5  | 3847.0 | 2279.2 | 1579.5 | 1230.7 | 1145.4 | 1131.8 | 1137.6 | 1143.5 | 1170.6 |
| 5403.3  | 25°   | 4694.0  | 3726.9 | 2056.3 | 1399.3 | 1122.1 | 1085.3 | 1071.7 | 1071.7 | 1079.5 | 1104.7 |
| 5655.3  | 27.5° | 4775.4  | 3556.3 | 1876.0 | 1232.6 | 1058.2 | 1019.4 | 996.2  | 996.2  | 1005.9 | 1034.9 |
| 5971.2  | 30°   | 4866.5  | 3401.3 | 1734.6 | 1108.6 | 1003.9 | 953.5  | 922.5  | 914.8  | 926.4  | 963.2  |
| 6428.5  | 32.5° | 5031.2  | 3300.5 | 1633.8 | 1050.4 | 955.5  | 893.4  | 850.8  | 829.5  | 841.1  | 883.8  |
| 7068.1  | 35°   | 5281.2  | 3277.3 | 1564.0 | 1021.4 | 908.9  | 839.2  | 779.1  | 746.2  | 755.8  | 800.4  |
| 7856.9  | 37.5° | 5573.9  | 3325.7 | 1496.2 | 982.6  | 864.4  | 786.9  | 707.4  | 664.8  | 680.3  | 721.0  |
| 8758.1  | 40°   | 5994.4  | 3527.3 | 1443.9 | 953.5  | 819.8  | 724.8  | 635.7  | 593.0  | 618.2  | 653.1  |
| 9696.1  | 42.5° | 6502.2  | 3885.8 | 1430.3 | 926.4  | 765.5  | 658.9  | 569.8  | 538.8  | 558.2  | 591.1  |
| 10643.8 | 45°   | 7132.1  | 4343.2 | 1492.3 | 891.5  | 705.5  | 595.0  | 517.5  | 500.0  | 505.8  | 538.8  |
| 11539.2 | 47.5° | 7808.4  | 4812.2 | 1662.9 | 860.5  | 653.1  | 542.7  | 476.8  | 461.3  | 457.4  | 488.4  |
| 12357.1 | 50°   | 8492.6  | 5228.9 | 1864.4 | 837.2  | 616.3  | 500.0  | 445.8  | 426.4  | 416.7  | 436.1  |
| 13165.2 | 52.5° | 9169.0  | 5560.3 | 1996.2 | 798.5  | 579.5  | 457.4  | 418.6  | 389.5  | 372.1  | 381.8  |
| 13969.5 | 55°   | 9855.0  | 5851.0 | 2004.0 | 740.3  | 544.6  | 430.2  | 391.5  | 358.5  | 337.2  | 337.2  |
| 14744.8 | 57.5° | 10496.5 | 6106.8 | 1889.6 | 662.8  | 496.1  | 405.1  | 354.7  | 327.5  | 304.3  | 296.5  |
| 15432.8 | 60°   | 11064.4 | 6296.8 | 1699.7 | 575.6  | 453.5  | 372.1  | 317.8  | 296.5  | 267.5  | 251.9  |
| 16045.2 | 62.5° | 11570.2 | 6389.8 | 1440.0 | 486.5  | 401.2  | 333.3  | 283.0  | 259.7  | 220.9  | 201.6  |
| 16667.3 | 65°   | 11998.5 | 6294.8 | 1168.6 | 403.1  | 356.6  | 290.7  | 242.3  | 219.0  | 176.4  | 153.1  |
| 17366.9 | 67.5° | 12423.0 | 5860.7 | 883.8  | 339.2  | 310.1  | 244.2  | 199.6  | 178.3  | 147.3  | 127.9  |
| 17876.7 | 70°   | 12477.2 | 4947.9 | 618.2  | 284.9  | 257.8  | 188.0  | 160.9  | 147.3  | 120.2  | 102.7  |
| 16739.0 | 72.5° | 11107.0 | 3560.2 | 376.0  | 232.6  | 201.6  | 133.7  | 127.9  | 116.3  | 89.2   | 77.5   |
| 13676.9 | 75°   | 8878.2  | 2182.3 | 220.9  | 174.4  | 133.7  | 95.0   | 95.0   | 83.3   | 60.1   | 50.4   |
| 9442.2  | 77.5° | 6135.9  | 1141.5 | 129.8  | 112.4  | 79.5   | 56.2   | 62.0   | 50.4   | 29.1   | 23.3   |
| 3740.5  | 80°   | 2457.5  | 434.1  | 69.8   | 52.3   | 36.8   | 25.2   | 21.3   | 11.6   | 5.8    | 3.9    |
| 767.5   | 82.5° | 490.3   | 114.3  | 23.3   | 13.6   | 13.6   | 5.8    | 0.0    | 0.0    | 0.0    | 0.0    |
| 211.2   | 85°   | 126.0   | 25.2   | 5.8    | 3.9    | 3.9    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 69.8    | 87.5° | 38.8    | 0.0    | 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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| 180°   |
|--------|
| 4389.7 |
| 3802.5 |
| 2965.2 |
| 2215.2 |
| 1798.5 |
| 1513.6 |
| 1347.0 |
| 1292.7 |
| 1242.3 |
| 1178.3 |
| 1114.4 |
| 1046.6 |
| 972.9  |
| 895.4  |
| 814.0  |
| 732.6  |
| 658.9  |
| 596.9  |
| 554.3  |
| 507.8  |
| 443.8  |
| 389.5  |
| 341.1  |
| 298.5  |
| 248.1  |
| 199.6  |
| 153.1  |
| 127.9  |
| 100.8  |
| 75.6   |
| 50.4   |
| 23.3   |
| 5.8    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |