

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: P944642

Luminaire Tested: **GLAN-SB9C-940-U-SL4**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P944642  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9C-940-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 4000K, 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: 48998 lumens  
Efficiency: N/A  
Efficacy: 108.9 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): 449.8  
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



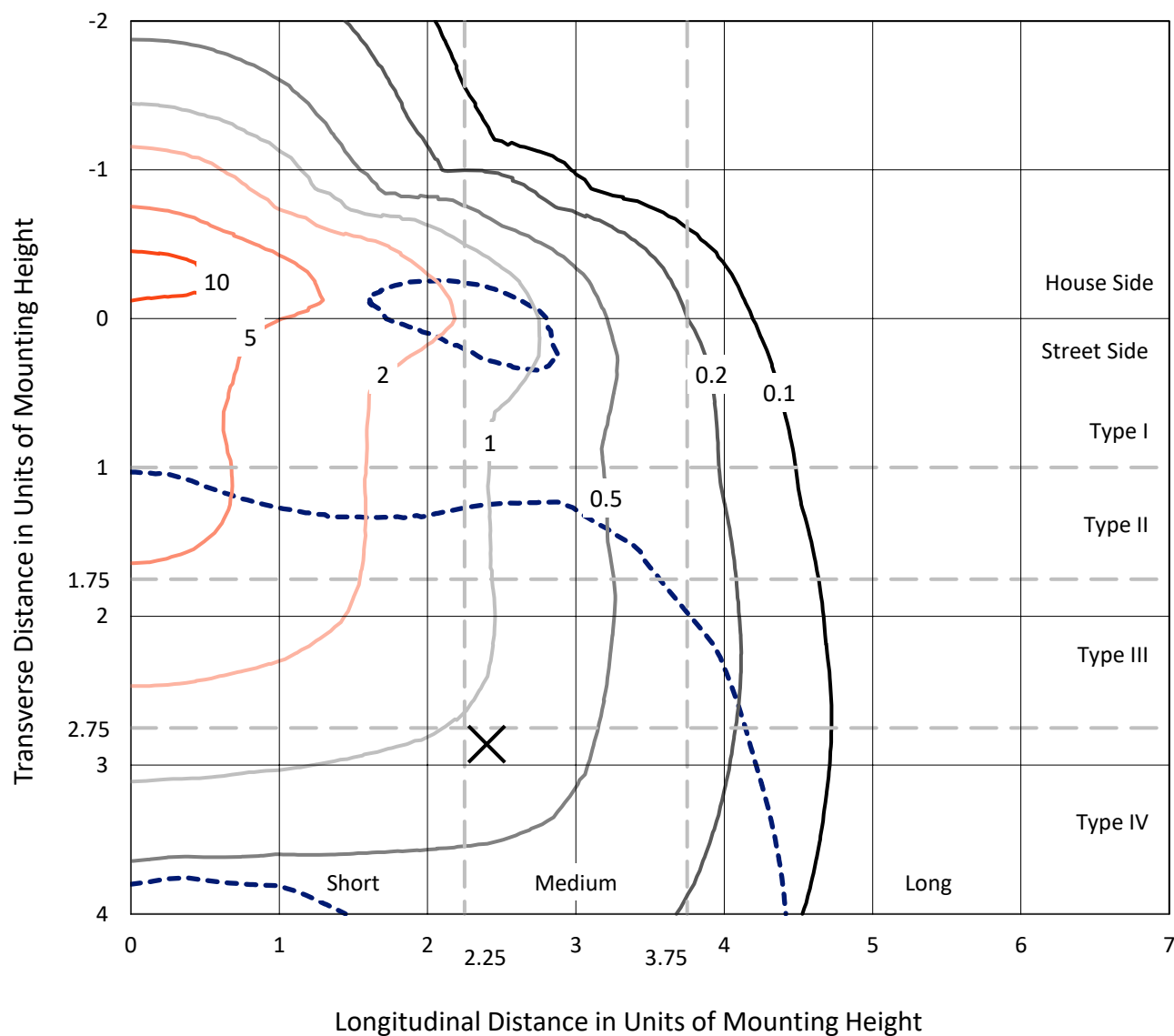
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

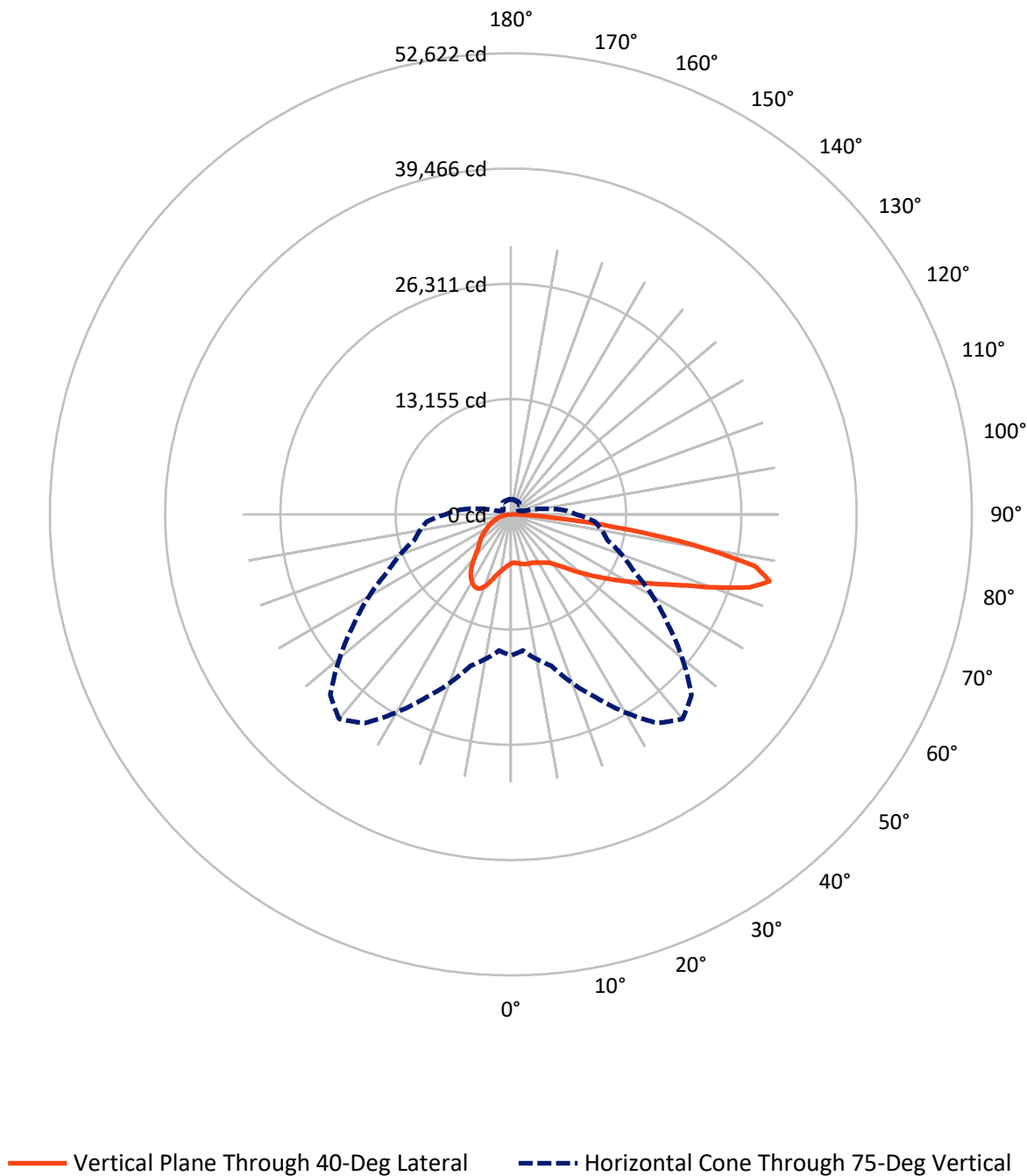
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 fc  
Type IV - Medium - N/A

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## Luminous Intensity Polar Plot



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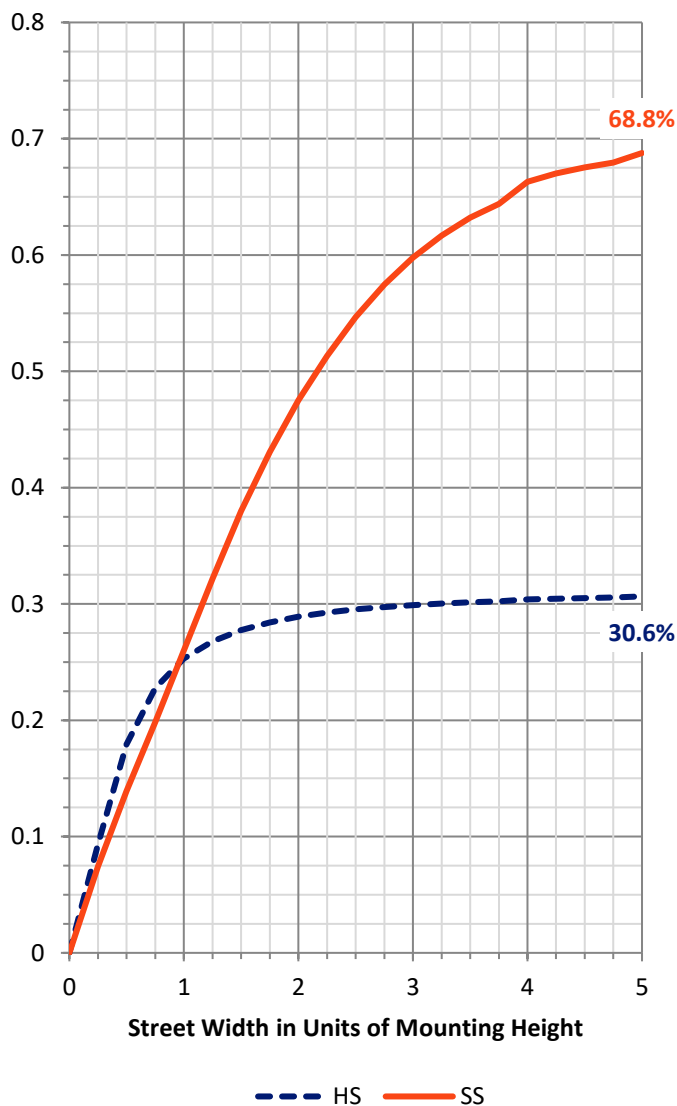
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 15181.2  | 0.0    | 15181.2 |
|                    | % Fixture | 31.0     | 0.0    | 31.0    |
| <b>Street Side</b> | Lumens    | 33816.8  | 0.0    | 33816.8 |
|                    | % Fixture | 69.0     | 0.0    | 69.0    |
| <b>Total</b>       | Lumens    | 48998.0  | 0.0    | 48998.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 559.3   | 1.1       |
| 10°-20°   | 1877.8  | 3.8       |
| 20°-30°   | 3428.7  | 7.0       |
| 30°-40°   | 4862.8  | 9.9       |
| 40°-50°   | 6566.2  | 13.4      |
| 50°-60°   | 8833.3  | 18.0      |
| 60°-70°   | 11211.5 | 22.9      |
| 70°-80°   | 10175.2 | 20.8      |
| 80°-90°   | 1483.2  | 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°    | 48998.0 | 100.0     |
| 0°-180°   | 48998.0 | 100.0     |

**Coefficient of Utilization**



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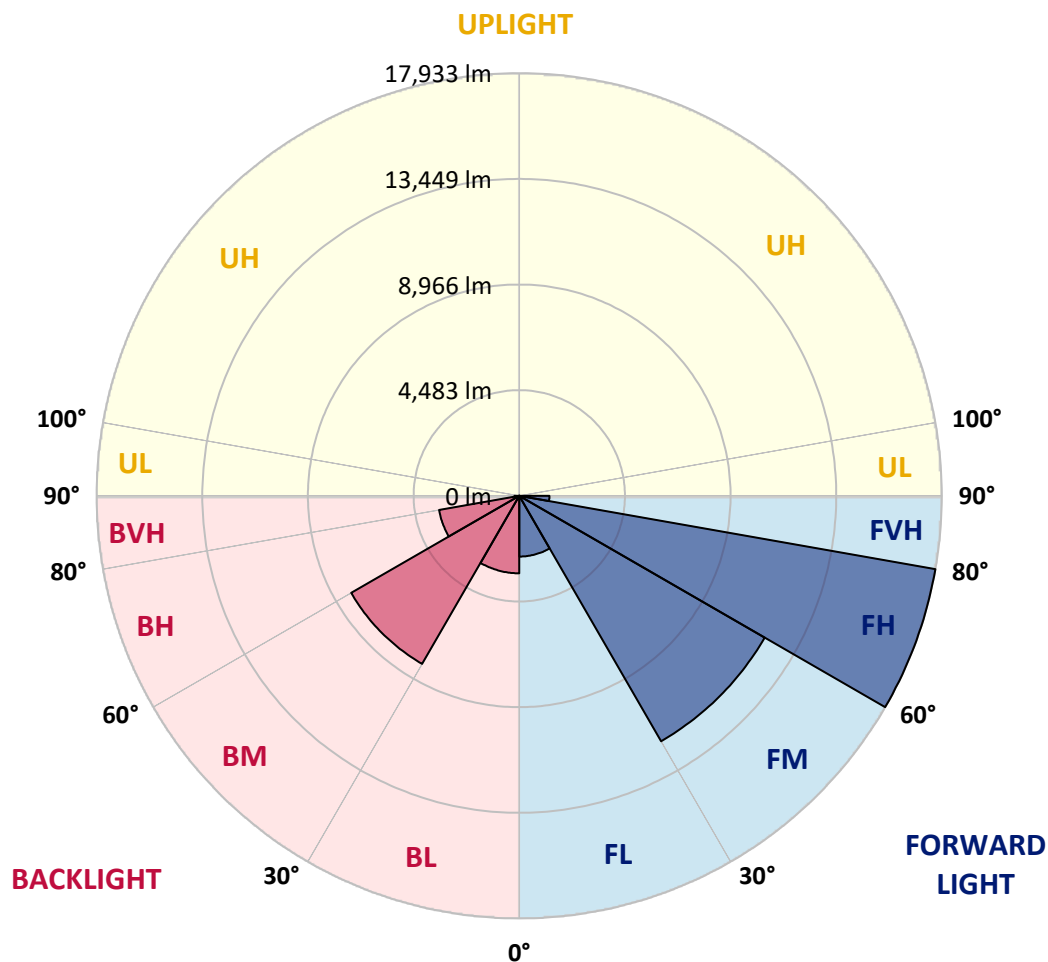
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2577.3  | 5.3       |                         |      |         |
| FM   | (30°-60°)   | 12027.9 | 24.5      |                         |      |         |
| FH   | (60°-80°)   | 17932.5 | 36.6      |                         |      | G5      |
| FVH  | (80°-90°)   | 1279.0  | 2.6       |                         |      | G5      |
| BL   | (0°-30°)    | 3288.4  | 6.7       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 8234.4  | 16.8      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 3454.2  | 7.0       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 204.2   | 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°    | 5603.0  | 5603.0  | 5603.0  | 5603.0  | 5603.0  | 5603.0  | 5603.0  | 5603.0  | 5603.0  | 5603.0  |
| 2.5°  | 5517.2  | 5548.4  | 5540.6  | 5530.2  | 5530.2  | 5532.8  | 5530.2  | 5548.4  | 5566.6  | 5584.8  |
| 5°    | 5574.4  | 5605.6  | 5590.0  | 5577.0  | 5566.6  | 5564.0  | 5556.2  | 5553.6  | 5564.0  | 5587.4  |
| 7.5°  | 5686.1  | 5717.3  | 5693.9  | 5670.6  | 5649.8  | 5639.4  | 5629.0  | 5613.4  | 5605.6  | 5618.6  |
| 10°   | 5810.9  | 5842.1  | 5813.5  | 5771.9  | 5738.1  | 5725.1  | 5714.7  | 5699.1  | 5688.7  | 5696.5  |
| 12.5° | 5935.6  | 5966.8  | 5927.8  | 5870.7  | 5826.5  | 5818.7  | 5805.7  | 5800.5  | 5797.9  | 5795.3  |
| 15°   | 6052.6  | 6078.6  | 6029.2  | 5961.6  | 5914.8  | 5901.8  | 5888.9  | 5896.6  | 5909.6  | 5925.2  |
| 17.5° | 6143.5  | 6169.5  | 6096.8  | 6008.4  | 5964.2  | 5959.0  | 5951.2  | 5977.2  | 6013.6  | 6052.6  |
| 20°   | 6226.7  | 6252.7  | 6159.1  | 6039.6  | 5987.6  | 5987.6  | 5990.2  | 6044.8  | 6096.8  | 6153.9  |
| 22.5° | 6343.6  | 6364.4  | 6250.1  | 6086.4  | 6011.0  | 6016.2  | 6037.0  | 6091.6  | 6156.5  | 6234.5  |
| 25°   | 6517.8  | 6533.4  | 6393.0  | 6174.7  | 6089.0  | 6104.6  | 6122.7  | 6148.7  | 6211.1  | 6302.1  |
| 27.5° | 6798.4  | 6811.4  | 6626.9  | 6330.6  | 6200.7  | 6226.7  | 6252.7  | 6234.5  | 6263.1  | 6341.0  |
| 30°   | 7193.4  | 7201.2  | 6967.4  | 6574.9  | 6390.4  | 6403.4  | 6408.6  | 6333.2  | 6278.7  | 6341.0  |
| 32.5° | 7661.2  | 7658.6  | 7380.6  | 6871.2  | 6606.1  | 6593.1  | 6548.9  | 6400.8  | 6273.5  | 6328.0  |
| 35°   | 8386.3  | 8357.7  | 7999.1  | 7287.0  | 6850.4  | 6769.8  | 6665.9  | 6476.2  | 6299.5  | 6315.1  |
| 37.5° | 9586.9  | 9498.6  | 9002.2  | 7967.9  | 7214.2  | 7008.9  | 6855.6  | 6598.3  | 6356.6  | 6309.9  |
| 40°   | 10940.9 | 10829.1 | 10283.4 | 8900.8  | 7760.0  | 7429.9  | 7183.0  | 6772.4  | 6450.2  | 6333.2  |
| 42.5° | 12546.9 | 12388.4 | 11801.1 | 10000.1 | 8451.3  | 7973.1  | 7601.5  | 6993.3  | 6587.9  | 6408.6  |
| 45°   | 14519.4 | 14308.9 | 13477.3 | 11239.8 | 9321.9  | 8685.1  | 8188.8  | 7328.6  | 6798.4  | 6554.1  |
| 47.5° | 16512.7 | 16564.7 | 15382.2 | 12658.7 | 10366.6 | 9563.5  | 8924.2  | 7832.7  | 7105.1  | 6788.0  |
| 50°   | 18630.7 | 18667.1 | 17276.7 | 14231.0 | 11551.6 | 10556.3 | 9750.7  | 8396.7  | 7531.3  | 7120.7  |
| 52.5° | 20283.5 | 20288.7 | 18997.1 | 15876.0 | 12786.0 | 11647.8 | 10642.0 | 9041.2  | 8025.1  | 7562.5  |
| 55°   | 21317.9 | 21304.9 | 20203.0 | 17432.7 | 14205.0 | 12793.8 | 11629.6 | 9774.0  | 8628.0  | 8082.2  |
| 57.5° | 22068.9 | 22029.9 | 21034.6 | 18771.0 | 15717.5 | 14147.8 | 12747.1 | 10605.7 | 9340.0  | 8700.7  |
| 60°   | 22354.8 | 22331.4 | 21598.5 | 19927.5 | 17307.9 | 15644.7 | 14036.1 | 11536.0 | 10148.3 | 9431.0  |
| 62.5° | 22463.9 | 22508.1 | 22152.1 | 21047.6 | 19010.1 | 17302.7 | 15452.4 | 12648.3 | 11057.8 | 10257.4 |
| 65°   | 22848.5 | 22929.1 | 22856.3 | 22513.3 | 20933.2 | 19244.0 | 17331.3 | 13971.1 | 12050.6 | 11143.6 |
| 67.5° | 23610.0 | 23690.5 | 23721.7 | 24267.5 | 23282.5 | 21663.5 | 19675.4 | 15618.7 | 13212.2 | 12063.6 |
| 70°   | 23591.8 | 23568.4 | 24119.3 | 25663.0 | 26224.4 | 25013.3 | 22835.5 | 17645.8 | 14597.4 | 12827.6 |
| 72.5° | 21473.8 | 21286.7 | 22588.7 | 25647.4 | 28672.4 | 28511.3 | 26694.7 | 20260.2 | 15792.8 | 12921.2 |
| 75°   | 16109.9 | 15610.9 | 17910.8 | 23113.6 | 29080.4 | 30496.8 | 29148.0 | 21881.8 | 15509.6 | 11416.5 |
| 77.5° | 6889.4  | 6387.8  | 9098.4  | 17110.4 | 26026.9 | 28508.7 | 26897.5 | 19090.7 | 12380.6 | 7549.5  |
| 80°   | 1803.6  | 1801.0  | 2749.5  | 7757.4  | 17700.3 | 21052.8 | 18469.6 | 12328.6 | 7073.9  | 2697.5  |
| 82.5° | 745.9   | 727.7   | 1010.9  | 3017.2  | 8648.8  | 11814.1 | 9641.5  | 5499.0  | 2554.6  | 730.3   |
| 85°   | 278.1   | 275.5   | 491.2   | 1042.1  | 3051.0  | 4872.7  | 3526.6  | 1405.9  | 636.7   | 356.0   |
| 87.5° | 78.0    | 75.4    | 106.6   | 361.2   | 743.3   | 1127.9  | 602.9   | 231.3   | 179.3   | 140.3   |
| 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°   |
|---------|-------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|
| 5603.0  | 0°    | 5603.0  | 5603.0  | 5603.0  | 5603.0  | 5603.0 | 5603.0 | 5603.0 | 5603.0 | 5603.0 | 5603.0 |
| 5613.4  | 2.5°  | 5621.2  | 5634.2  | 5657.6  | 5675.8  | 5699.1 | 5725.1 | 5761.5 | 5784.9 | 5808.3 | 5823.9 |
| 5626.4  | 5°    | 5644.6  | 5673.2  | 5732.9  | 5792.7  | 5862.9 | 5927.8 | 6003.2 | 6057.8 | 6102.0 | 6114.9 |
| 5673.2  | 7.5°  | 5696.5  | 5743.3  | 5844.7  | 5946.0  | 6057.8 | 6164.3 | 6273.5 | 6367.0 | 6442.4 | 6471.0 |
| 5756.3  | 10°   | 5787.5  | 5849.9  | 5992.8  | 6135.7  | 6283.9 | 6447.6 | 6587.9 | 6723.1 | 6829.6 | 6873.8 |
| 5855.1  | 12.5° | 5901.8  | 5979.8  | 6166.9  | 6364.4  | 6569.7 | 6795.8 | 6977.7 | 7144.1 | 7276.6 | 7336.4 |
| 5992.8  | 15°   | 6050.0  | 6151.3  | 6390.4  | 6655.5  | 6957.0 | 7271.4 | 7502.7 | 7687.2 | 7835.3 | 7908.1 |
| 6135.7  | 17.5° | 6211.1  | 6346.2  | 6647.7  | 7047.9  | 7479.3 | 7892.5 | 8162.8 | 8297.9 | 8451.3 | 8521.4 |
| 6268.3  | 20°   | 6367.0  | 6533.4  | 6964.8  | 7546.9  | 8121.2 | 8560.4 | 8778.7 | 8815.1 | 8825.5 | 8833.3 |
| 6393.0  | 22.5° | 6528.2  | 6751.7  | 7362.4  | 8175.8  | 8791.7 | 9095.8 | 9126.9 | 8971.0 | 8752.7 | 8651.4 |
| 6515.2  | 25°   | 6704.9  | 7001.1  | 7882.1  | 8869.7  | 9368.6 | 9405.0 | 9165.9 | 8786.5 | 8373.3 | 8183.6 |
| 6613.9  | 27.5° | 6876.4  | 7289.6  | 8505.8  | 9532.4  | 9784.4 | 9464.8 | 8950.2 | 8412.3 | 7913.3 | 7713.2 |
| 6684.1  | 30°   | 7047.9  | 7619.6  | 9194.5  | 10111.9 | 9974.1 | 9316.7 | 8609.8 | 8009.5 | 7507.9 | 7297.4 |
| 6746.5  | 32.5° | 7222.0  | 8004.3  | 9987.1  | 10530.3 | 9940.4 | 9002.2 | 8186.2 | 7557.3 | 7115.5 | 6894.6 |
| 6801.0  | 35°   | 7419.5  | 8477.2  | 10738.2 | 10759.0 | 9714.3 | 8539.6 | 7627.4 | 7016.7 | 6632.1 | 6455.4 |
| 6866.0  | 37.5° | 7676.8  | 9077.6  | 11400.9 | 10816.2 | 9319.3 | 7861.3 | 6933.6 | 6377.4 | 6060.4 | 5979.8 |
| 6962.2  | 40°   | 7996.5  | 9800.0  | 11907.6 | 10725.2 | 8734.5 | 7037.5 | 6174.7 | 5730.3 | 5551.0 | 5569.2 |
| 7092.1  | 42.5° | 8412.3  | 10608.3 | 12263.7 | 10491.3 | 7921.1 | 6187.7 | 5509.4 | 5311.9 | 5397.7 | 5470.4 |
| 7287.0  | 45°   | 8952.8  | 11447.7 | 12484.6 | 10093.7 | 7001.1 | 5467.8 | 5117.0 | 5163.8 | 5228.8 | 5236.6 |
| 7601.5  | 47.5° | 9644.1  | 12297.5 | 12630.1 | 9493.4  | 6063.0 | 4961.1 | 4867.5 | 4877.9 | 4864.9 | 4810.4 |
| 8071.8  | 50°   | 10506.9 | 13123.9 | 12760.0 | 8698.1  | 5265.1 | 4644.0 | 4519.3 | 4482.9 | 4303.6 | 4126.9 |
| 8698.1  | 52.5° | 11489.2 | 13882.7 | 12814.6 | 7710.6  | 4644.0 | 4379.0 | 4176.3 | 3947.6 | 3612.3 | 3557.7 |
| 9485.6  | 55°   | 12580.7 | 14584.4 | 12674.3 | 6497.0  | 4121.7 | 4038.5 | 3731.9 | 3456.4 | 3420.0 | 3373.2 |
| 10522.5 | 57.5° | 13885.3 | 15340.6 | 12388.4 | 5143.0  | 3586.3 | 3640.9 | 3342.0 | 3373.2 | 3308.3 | 3235.5 |
| 11855.7 | 60°   | 15312.1 | 16122.9 | 11886.9 | 3908.6  | 3032.8 | 3144.5 | 3240.7 | 3238.1 | 3219.9 | 3160.1 |
| 13261.6 | 62.5° | 16595.9 | 16637.4 | 10899.3 | 2993.8  | 2546.8 | 2759.9 | 3022.4 | 3019.8 | 3004.2 | 2970.4 |
| 14729.9 | 65°   | 17359.9 | 16559.5 | 9251.7  | 2357.1  | 2146.6 | 2442.9 | 2726.1 | 2746.9 | 2749.5 | 2746.9 |
| 15834.4 | 67.5° | 17224.8 | 15647.3 | 6990.7  | 1876.3  | 1816.6 | 2120.6 | 2432.5 | 2461.1 | 2481.8 | 2487.0 |
| 15974.7 | 70°   | 15696.7 | 13643.6 | 4558.3  | 1496.9  | 1522.9 | 1837.3 | 2154.4 | 2183.0 | 2201.2 | 2222.0 |
| 13861.9 | 72.5° | 12235.1 | 10031.3 | 2609.2  | 1211.0  | 1265.6 | 1593.1 | 1878.9 | 1912.7 | 1923.1 | 1962.1 |
| 9646.7  | 75°   | 7455.9  | 5899.2  | 1408.5  | 953.8   | 1039.5 | 1361.8 | 1606.1 | 1645.0 | 1663.2 | 1710.0 |
| 4737.6  | 77.5° | 3544.7  | 2554.6  | 803.0   | 743.3   | 836.8  | 1112.3 | 1356.6 | 1400.7 | 1351.4 | 1377.4 |
| 1307.2  | 80°   | 1198.0  | 948.6   | 506.8   | 566.5   | 639.3  | 868.0  | 1086.3 | 1130.5 | 1026.5 | 1021.3 |
| 434.0   | 82.5° | 418.4   | 384.6   | 322.2   | 376.8   | 413.2  | 621.1  | 821.2  | 878.4  | 764.0  | 761.4  |
| 194.9   | 85°   | 163.7   | 155.9   | 179.3   | 205.3   | 246.9  | 382.0  | 540.5  | 569.1  | 470.4  | 379.4  |
| 57.2    | 87.5° | 33.8    | 36.4    | 44.2    | 46.8    | 75.4   | 132.5  | 194.9  | 239.1  | 189.7  | 161.1  |
| 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°   |
|--------|
| 5603.0 |
| 5813.5 |
| 6120.1 |
| 6473.6 |
| 6876.4 |
| 7336.4 |
| 7902.9 |
| 8518.8 |
| 8854.1 |
| 8680.0 |
| 8212.2 |
| 7736.6 |
| 7320.8 |
| 6923.2 |
| 6494.4 |
| 6037.0 |
| 5631.6 |
| 5538.0 |
| 5288.5 |
| 4851.9 |
| 4150.3 |
| 3575.9 |
| 3381.0 |
| 3222.5 |
| 3139.3 |
| 2957.4 |
| 2746.9 |
| 2492.2 |
| 2232.4 |
| 1977.7 |
| 1715.2 |
| 1356.6 |
| 1010.9 |
| 725.1  |
| 374.2  |
| 148.1  |
| 0.0    |