

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: P944502

Luminaire Tested: **GLAN-SB9C-727-U-SL4**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P944502  
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-727-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 2700K, 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: 62718 lumens  
Efficiency: N/A  
Efficacy: 139.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B5 - 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



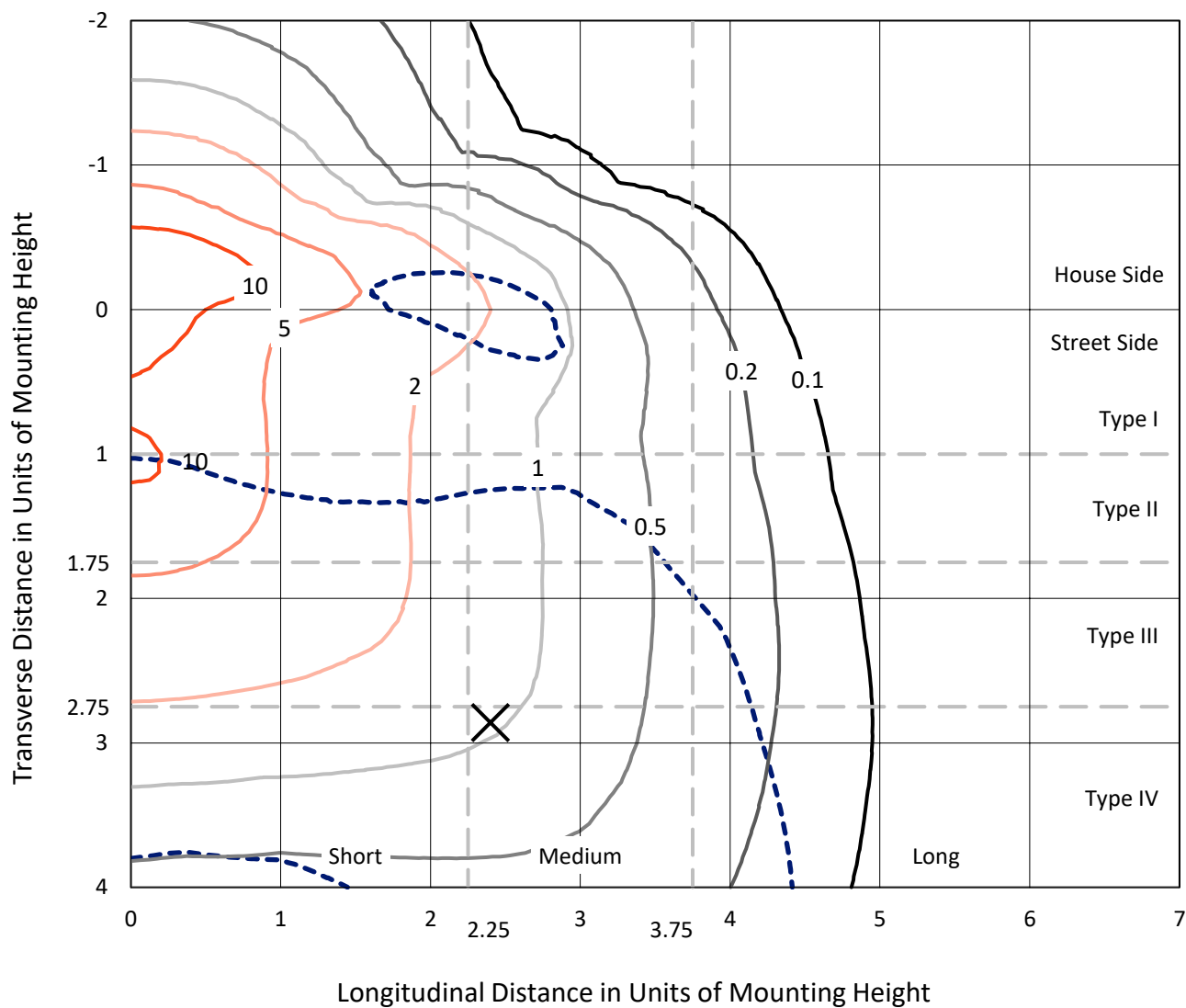
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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



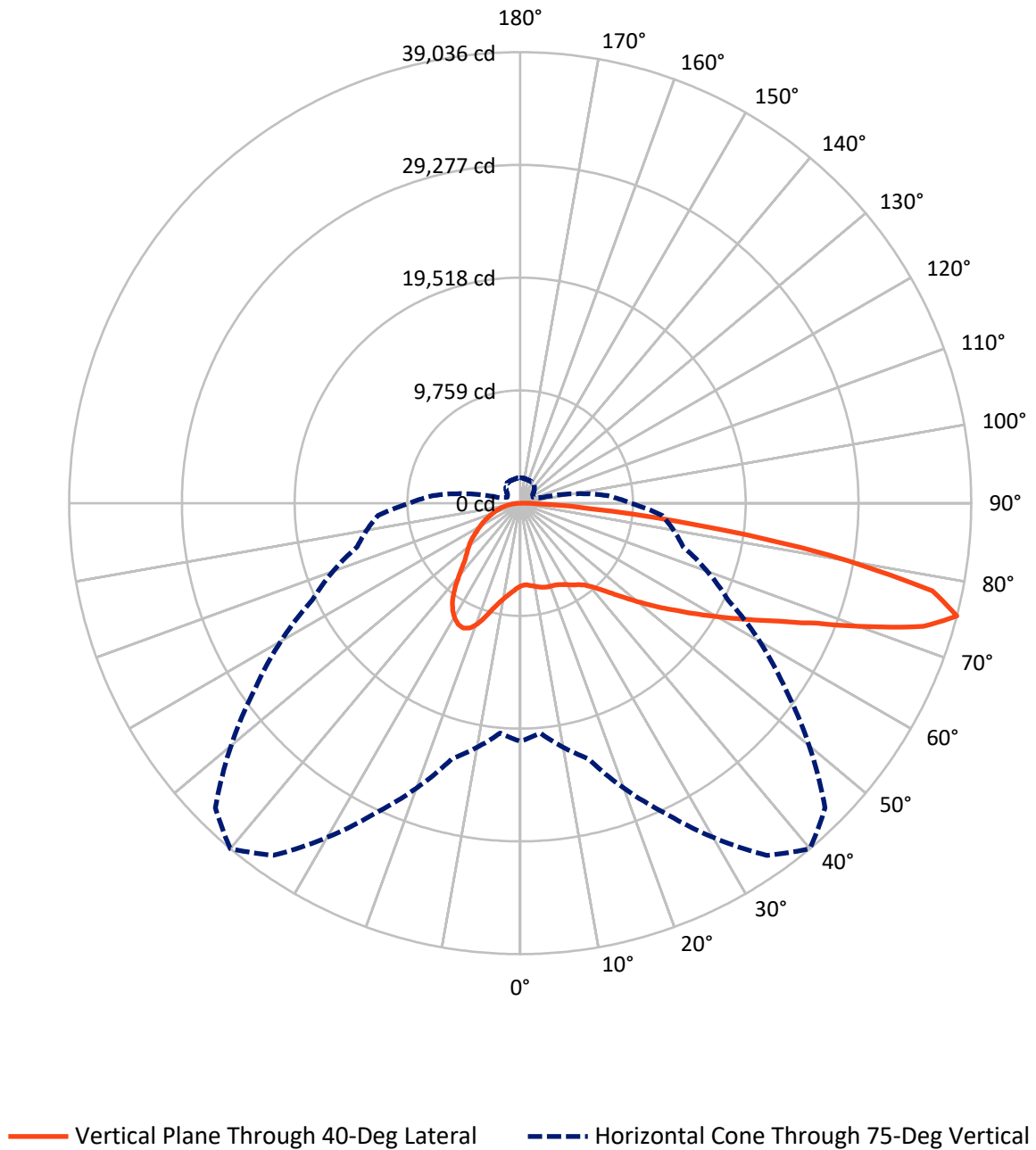
Based on 25 foot mounting height. Maximum calculated value = 14.8 fc

Type IV - Medium - N/A

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## Luminous Intensity Polar Plot



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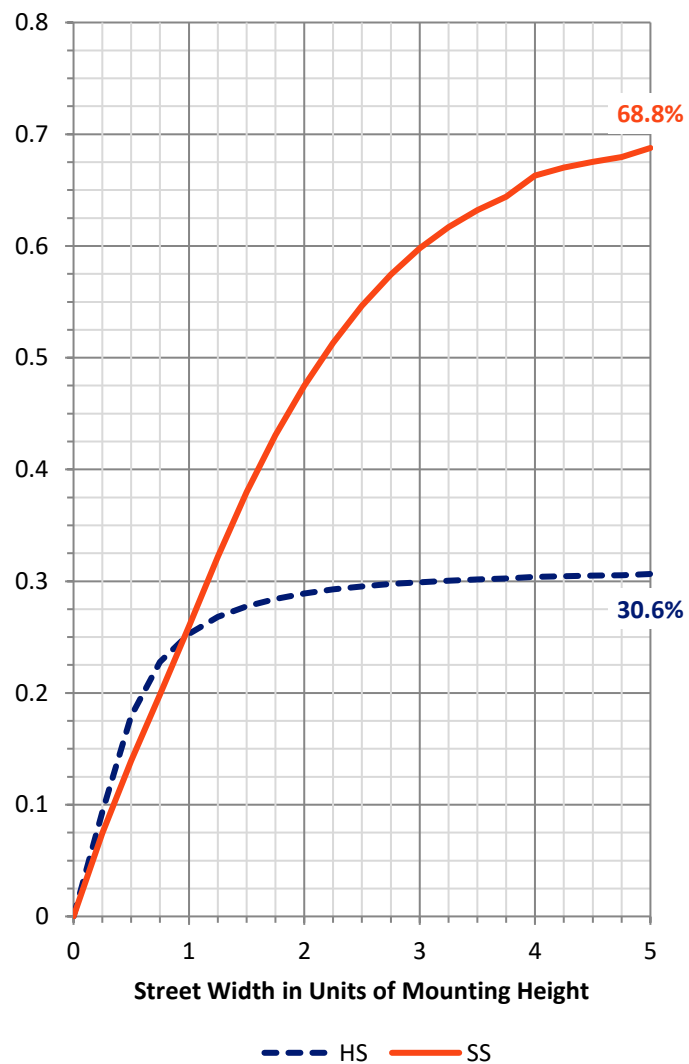
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 19432.1  | 0.0    | 19432.1 |
|                    | % Fixture | 31.0     | 0.0    | 31.0    |
| <b>Street Side</b> | Lumens    | 43285.9  | 0.0    | 43285.9 |
|                    | % Fixture | 69.0     | 0.0    | 69.0    |
| <b>Total</b>       | Lumens    | 62718.0  | 0.0    | 62718.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 715.9   | 1.1       |
| 10°-20°   | 2403.6  | 3.8       |
| 20°-30°   | 4388.7  | 7.0       |
| 30°-40°   | 6224.4  | 9.9       |
| 40°-50°   | 8404.8  | 13.4      |
| 50°-60°   | 11306.8 | 18.0      |
| 60°-70°   | 14350.9 | 22.9      |
| 70°-80°   | 13024.3 | 20.8      |
| 80°-90°   | 1898.5  | 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°    | 62718.0 | 100.0     |
| 0°-180°   | 62718.0 | 100.0     |

**Coefficient of Utilization**



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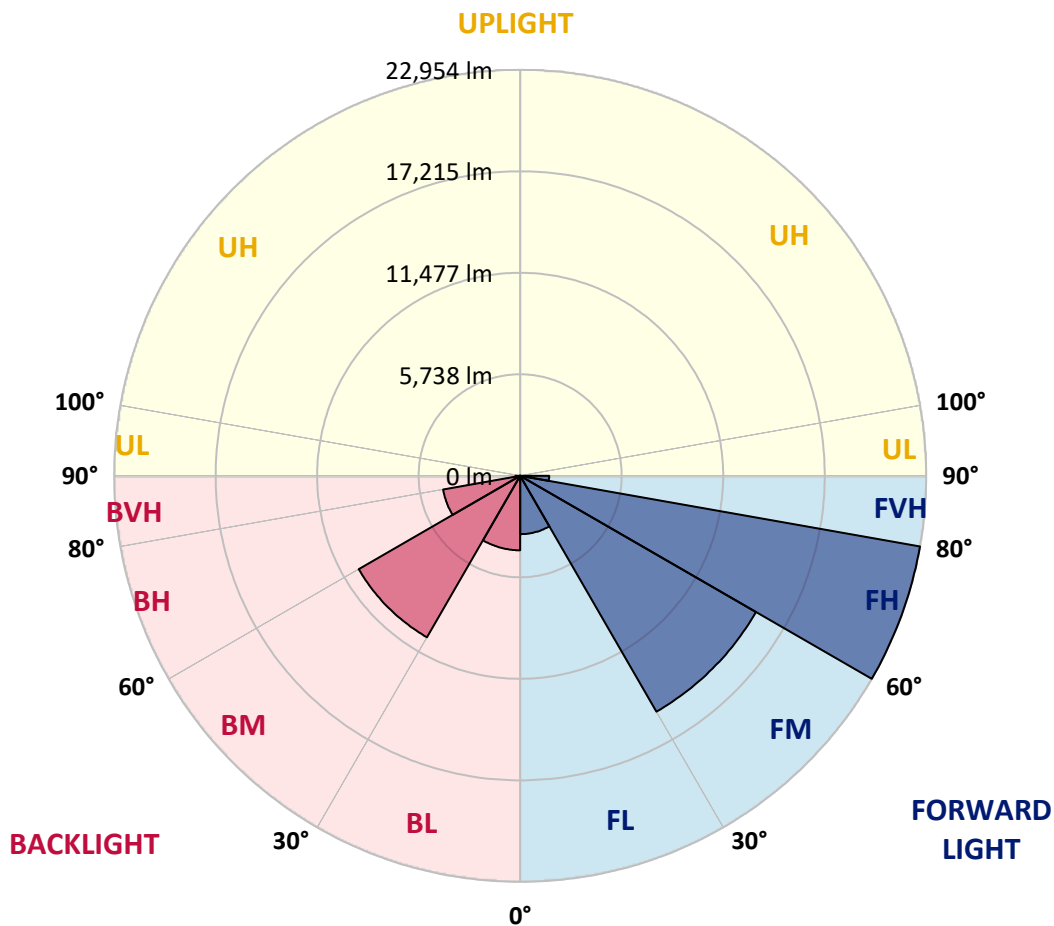
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3299.0  | 5.3       |                         |      |         |
| FM   | (30°-60°)   | 15395.9 | 24.5      |                         |      |         |
| FH   | (60°-80°)   | 22953.8 | 36.6      |                         |      | G5      |
| FVH  | (80°-90°)   | 1637.1  | 2.6       |                         |      | G5      |
| BL   | (0°-30°)    | 4209.2  | 6.7       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 10540.2 | 16.8      | B5                      |      |         |
| BH   | (60°-80°)   | 4421.4  | 7.0       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 261.4   | 0.4       |                         |      | G3/500  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B5-U0-G5**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 40°     | 45°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 7171.9  | 7171.9  | 7171.9  | 7171.9  | 7171.9  | 7171.9  | 7171.9  | 7171.9  | 7171.9  | 7171.9  |
| 2.5°  | 7062.1  | 7102.0  | 7092.1  | 7078.7  | 7078.7  | 7082.1  | 7078.7  | 7102.0  | 7125.3  | 7148.6  |
| 5°    | 7135.3  | 7175.2  | 7155.3  | 7138.6  | 7125.3  | 7122.0  | 7112.0  | 7108.7  | 7122.0  | 7151.9  |
| 7.5°  | 7278.3  | 7318.3  | 7288.3  | 7258.4  | 7231.8  | 7218.5  | 7205.2  | 7185.2  | 7175.2  | 7191.8  |
| 10°   | 7438.0  | 7477.9  | 7441.3  | 7388.1  | 7344.9  | 7328.2  | 7314.9  | 7295.0  | 7281.7  | 7291.6  |
| 12.5° | 7597.7  | 7637.6  | 7587.7  | 7514.5  | 7458.0  | 7448.0  | 7431.4  | 7424.7  | 7421.4  | 7418.0  |
| 15°   | 7747.4  | 7780.6  | 7717.4  | 7630.9  | 7571.1  | 7554.4  | 7537.8  | 7547.8  | 7564.4  | 7584.4  |
| 17.5° | 7863.8  | 7897.1  | 7803.9  | 7690.8  | 7634.3  | 7627.6  | 7617.6  | 7650.9  | 7697.5  | 7747.4  |
| 20°   | 7970.2  | 8003.5  | 7883.8  | 7730.7  | 7664.2  | 7664.2  | 7667.5  | 7737.4  | 7803.9  | 7877.1  |
| 22.5° | 8119.9  | 8146.5  | 8000.2  | 7790.6  | 7694.1  | 7700.8  | 7727.4  | 7797.3  | 7880.4  | 7980.2  |
| 25°   | 8342.8  | 8362.8  | 8183.1  | 7903.7  | 7793.9  | 7813.9  | 7837.2  | 7870.4  | 7950.3  | 8066.7  |
| 27.5° | 8702.1  | 8718.7  | 8482.5  | 8103.3  | 7937.0  | 7970.2  | 8003.5  | 7980.2  | 8016.8  | 8116.6  |
| 30°   | 9207.7  | 9217.7  | 8918.3  | 8416.0  | 8179.8  | 8196.4  | 8203.1  | 8106.6  | 8036.8  | 8116.6  |
| 32.5° | 9806.5  | 9803.1  | 9447.2  | 8795.2  | 8455.9  | 8439.3  | 8382.7  | 8193.1  | 8030.1  | 8100.0  |
| 35°   | 10734.5 | 10698.0 | 10238.9 | 9327.4  | 8768.6  | 8665.5  | 8532.4  | 8289.6  | 8063.4  | 8083.3  |
| 37.5° | 12271.4 | 12158.3 | 11522.9 | 10199.0 | 9234.3  | 8971.5  | 8775.2  | 8445.9  | 8136.6  | 8076.7  |
| 40°   | 14004.5 | 13861.4 | 13162.9 | 11393.2 | 9932.9  | 9510.4  | 9194.4  | 8668.8  | 8256.3  | 8106.6  |
| 42.5° | 16060.2 | 15857.3 | 15105.5 | 12800.3 | 10817.7 | 10205.6 | 9729.9  | 8951.6  | 8432.6  | 8203.1  |
| 45°   | 18585.0 | 18315.6 | 17251.1 | 14387.0 | 11932.1 | 11117.1 | 10481.7 | 9380.7  | 8702.1  | 8389.4  |
| 47.5° | 21136.4 | 21203.0 | 19689.4 | 16203.3 | 13269.3 | 12241.4 | 11423.1 | 10026.0 | 9094.6  | 8688.8  |
| 50°   | 23847.5 | 23894.1 | 22114.4 | 18215.8 | 14786.2 | 13512.2 | 12480.9 | 10747.9 | 9640.1  | 9114.6  |
| 52.5° | 25963.2 | 25969.8 | 24316.6 | 20321.5 | 16366.3 | 14909.3 | 13621.9 | 11572.8 | 10272.2 | 9680.1  |
| 55°   | 27287.1 | 27270.5 | 25860.0 | 22314.0 | 18182.5 | 16376.3 | 14886.0 | 12510.9 | 11043.9 | 10345.3 |
| 57.5° | 28248.5 | 28198.6 | 26924.5 | 24027.2 | 20118.5 | 18109.3 | 16316.4 | 13575.4 | 11955.4 | 11137.0 |
| 60°   | 28614.4 | 28584.4 | 27646.4 | 25507.4 | 22154.3 | 20025.4 | 17966.3 | 14766.2 | 12989.9 | 12071.8 |
| 62.5° | 28754.1 | 28810.6 | 28354.9 | 26941.1 | 24333.2 | 22147.7 | 19779.2 | 16190.0 | 14154.2 | 13129.6 |
| 65°   | 29246.4 | 29349.5 | 29256.4 | 28817.3 | 26794.8 | 24632.6 | 22184.3 | 17883.1 | 15424.9 | 14263.9 |
| 67.5° | 30221.1 | 30324.2 | 30364.1 | 31062.7 | 29801.9 | 27729.5 | 25184.8 | 19992.1 | 16911.8 | 15441.5 |
| 70°   | 30197.8 | 30167.8 | 30873.0 | 32849.0 | 33567.5 | 32017.4 | 29229.8 | 22586.8 | 18684.8 | 16419.5 |
| 72.5° | 27486.7 | 27247.2 | 28913.7 | 32829.0 | 36701.0 | 36494.8 | 34169.6 | 25933.2 | 20215.0 | 16539.2 |
| 75°   | 20620.8 | 19982.2 | 22926.1 | 29585.7 | 37223.3 | 39036.2 | 37309.8 | 28008.9 | 19852.4 | 14613.2 |
| 77.5° | 8818.5  | 8176.5  | 11646.0 | 21901.5 | 33314.7 | 36491.5 | 34429.0 | 24436.3 | 15847.3 | 9663.4  |
| 80°   | 2308.6  | 2305.2  | 3519.4  | 9929.5  | 22656.6 | 26947.8 | 23641.3 | 15780.8 | 9054.7  | 3452.9  |
| 82.5° | 954.7   | 931.4   | 1294.0  | 3862.0  | 11070.5 | 15122.2 | 12341.2 | 7038.8  | 3269.9  | 934.7   |
| 85°   | 355.9   | 352.6   | 628.7   | 1333.9  | 3905.3  | 6237.1  | 4514.0  | 1799.6  | 815.0   | 455.7   |
| 87.5° | 99.8    | 96.5    | 136.4   | 462.4   | 951.4   | 1443.7  | 771.7   | 296.1   | 229.5   | 179.6   |
| 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°    |
|---------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 7171.9  | 0°    | 7171.9  | 7171.9  | 7171.9  | 7171.9  | 7171.9  | 7171.9  | 7171.9  | 7171.9  | 7171.9  | 7171.9  |
| 7185.2  | 2.5°  | 7195.2  | 7211.8  | 7241.7  | 7265.0  | 7295.0  | 7328.2  | 7374.8  | 7404.7  | 7434.7  | 7454.6  |
| 7201.8  | 5°    | 7225.1  | 7261.7  | 7338.2  | 7414.7  | 7504.5  | 7587.7  | 7684.2  | 7754.0  | 7810.6  | 7827.2  |
| 7261.7  | 7.5°  | 7291.6  | 7351.5  | 7481.2  | 7611.0  | 7754.0  | 7890.4  | 8030.1  | 8149.9  | 8246.3  | 8282.9  |
| 7368.1  | 10°   | 7408.1  | 7487.9  | 7670.9  | 7853.8  | 8043.4  | 8253.0  | 8432.6  | 8605.6  | 8742.0  | 8798.5  |
| 7494.6  | 12.5° | 7554.4  | 7654.2  | 7893.7  | 8146.5  | 8409.3  | 8698.7  | 8931.6  | 9144.5  | 9314.1  | 9390.6  |
| 7670.9  | 15°   | 7744.0  | 7873.8  | 8179.8  | 8519.1  | 8905.0  | 9307.5  | 9603.5  | 9839.7  | 10029.3 | 10122.5 |
| 7853.8  | 17.5° | 7950.3  | 8123.3  | 8509.1  | 9021.4  | 9573.6  | 10102.5 | 10448.5 | 10621.4 | 10817.7 | 10907.5 |
| 8023.5  | 20°   | 8149.9  | 8362.8  | 8915.0  | 9660.1  | 10395.2 | 10957.4 | 11236.8 | 11283.4 | 11296.7 | 11306.7 |
| 8183.1  | 22.5° | 8356.1  | 8642.2  | 9423.9  | 10465.1 | 11253.5 | 11642.7 | 11682.6 | 11483.0 | 11203.6 | 11073.8 |
| 8339.5  | 25°   | 8582.3  | 8961.5  | 10089.2 | 11353.3 | 11992.0 | 12038.5 | 11732.5 | 11246.8 | 10717.9 | 10475.1 |
| 8465.9  | 27.5° | 8801.9  | 9330.8  | 10887.6 | 12201.5 | 12524.2 | 12115.0 | 11456.4 | 10767.8 | 10129.1 | 9873.0  |
| 8555.7  | 30°   | 9021.4  | 9753.2  | 11769.1 | 12943.3 | 12767.0 | 11925.4 | 11020.6 | 10252.2 | 9610.2  | 9340.8  |
| 8635.5  | 32.5° | 9244.3  | 10245.6 | 12783.7 | 13478.9 | 12723.8 | 11522.9 | 10478.4 | 9673.4  | 9107.9  | 8825.1  |
| 8705.4  | 35°   | 9497.1  | 10851.0 | 13745.0 | 13771.6 | 12434.4 | 10930.8 | 9763.2  | 8981.5  | 8489.2  | 8263.0  |
| 8788.6  | 37.5° | 9826.4  | 11619.4 | 14593.3 | 13844.8 | 11928.8 | 10062.6 | 8875.0  | 8163.2  | 7757.3  | 7654.2  |
| 8911.6  | 40°   | 10235.6 | 12544.1 | 15241.9 | 13728.4 | 11180.3 | 9008.1  | 7903.7  | 7334.9  | 7105.4  | 7128.6  |
| 9078.0  | 42.5° | 10767.8 | 13578.7 | 15697.7 | 13429.0 | 10139.1 | 7920.3  | 7052.1  | 6799.3  | 6909.1  | 7002.2  |
| 9327.4  | 45°   | 11459.7 | 14653.1 | 15980.4 | 12920.0 | 8961.5  | 6998.9  | 6549.8  | 6609.7  | 6692.9  | 6702.9  |
| 9729.9  | 47.5° | 12344.6 | 15740.9 | 16166.7 | 12151.6 | 7760.7  | 6350.2  | 6230.5  | 6243.8  | 6227.2  | 6157.3  |
| 10332.0 | 50°   | 13449.0 | 16798.7 | 16333.0 | 11133.7 | 6739.4  | 5944.4  | 5784.7  | 5738.2  | 5508.6  | 5282.4  |
| 11133.7 | 52.5° | 14706.4 | 17770.0 | 16402.9 | 9869.7  | 5944.4  | 5605.1  | 5345.7  | 5052.9  | 4623.8  | 4553.9  |
| 12141.6 | 55°   | 16103.5 | 18668.2 | 16223.2 | 8316.2  | 5275.8  | 5169.3  | 4776.8  | 4424.2  | 4377.6  | 4317.8  |
| 13468.9 | 57.5° | 17773.4 | 19636.2 | 15857.3 | 6583.1  | 4590.5  | 4660.4  | 4277.9  | 4317.8  | 4234.6  | 4141.5  |
| 15175.4 | 60°   | 19599.6 | 20637.5 | 15215.3 | 5003.0  | 3882.0  | 4025.0  | 4148.1  | 4144.8  | 4121.5  | 4045.0  |
| 16975.0 | 62.5° | 21242.9 | 21296.1 | 13951.2 | 3832.1  | 3259.9  | 3532.7  | 3868.7  | 3865.4  | 3845.4  | 3802.2  |
| 18854.5 | 65°   | 22220.9 | 21196.3 | 11842.3 | 3017.1  | 2747.7  | 3126.9  | 3489.5  | 3516.1  | 3519.4  | 3516.1  |
| 20268.2 | 67.5° | 22047.9 | 20028.7 | 8948.2  | 2401.7  | 2325.2  | 2714.4  | 3113.6  | 3150.2  | 3176.8  | 3183.4  |
| 20447.9 | 70°   | 20091.9 | 17464.0 | 5834.6  | 1916.1  | 1949.3  | 2351.8  | 2757.7  | 2794.2  | 2817.5  | 2844.1  |
| 17743.4 | 72.5° | 15661.1 | 12840.2 | 3339.8  | 1550.1  | 1620.0  | 2039.1  | 2405.0  | 2448.3  | 2461.6  | 2511.5  |
| 12347.9 | 75°   | 9543.7  | 7551.1  | 1803.0  | 1220.8  | 1330.6  | 1743.1  | 2055.8  | 2105.7  | 2128.9  | 2188.8  |
| 6064.2  | 77.5° | 4537.3  | 3269.9  | 1027.9  | 951.4   | 1071.1  | 1423.7  | 1736.4  | 1793.0  | 1729.8  | 1763.0  |
| 1673.2  | 80°   | 1533.5  | 1214.2  | 648.7   | 725.2   | 818.3   | 1111.0  | 1390.5  | 1447.0  | 1314.0  | 1307.3  |
| 555.5   | 82.5° | 535.6   | 492.3   | 412.5   | 482.3   | 528.9   | 795.0   | 1051.2  | 1124.3  | 978.0   | 974.7   |
| 249.5   | 85°   | 209.6   | 199.6   | 229.5   | 262.8   | 316.0   | 489.0   | 691.9   | 728.5   | 602.1   | 485.7   |
| 73.2    | 87.5° | 43.2    | 46.6    | 56.6    | 59.9    | 96.5    | 169.7   | 249.5   | 306.0   | 242.8   | 206.2   |
| 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°  
7171.9  
7441.3  
7833.9  
8286.3  
8801.9  
9390.6  
10115.8  
10904.2  
11333.3  
11110.4  
10511.7  
9902.9  
9370.7  
8861.7  
8312.9  
7727.4  
7208.5  
7088.7  
6769.4  
6210.5  
5312.4  
4577.2  
4327.7  
4124.8  
4018.4  
3785.5  
3516.1  
3190.1  
2857.4  
2531.4  
2195.5  
1736.4  
1294.0  
928.1  
479.0  
189.6  
0.0

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