

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: P953405

Luminaire Tested: **GLAN-SB7A-722-U-SL3-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P953405  
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-SB7A-722-U-SL3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 2200K, 350mA 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: 21222 lumens  
Efficiency: N/A  
Efficacy: 106.6 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): 199.1  
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



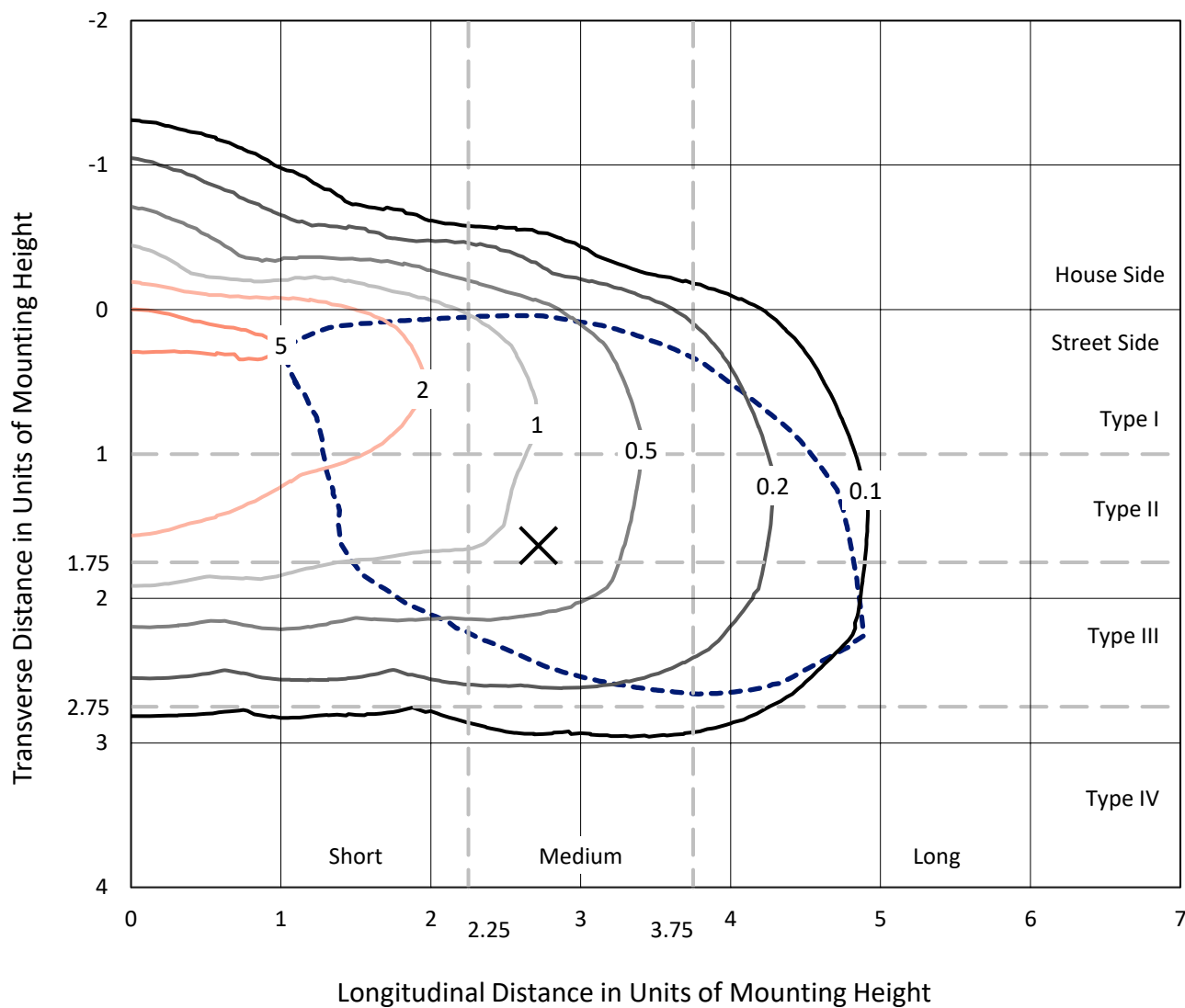
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## Iso-Footcandle Lines of Horizontal Illumination

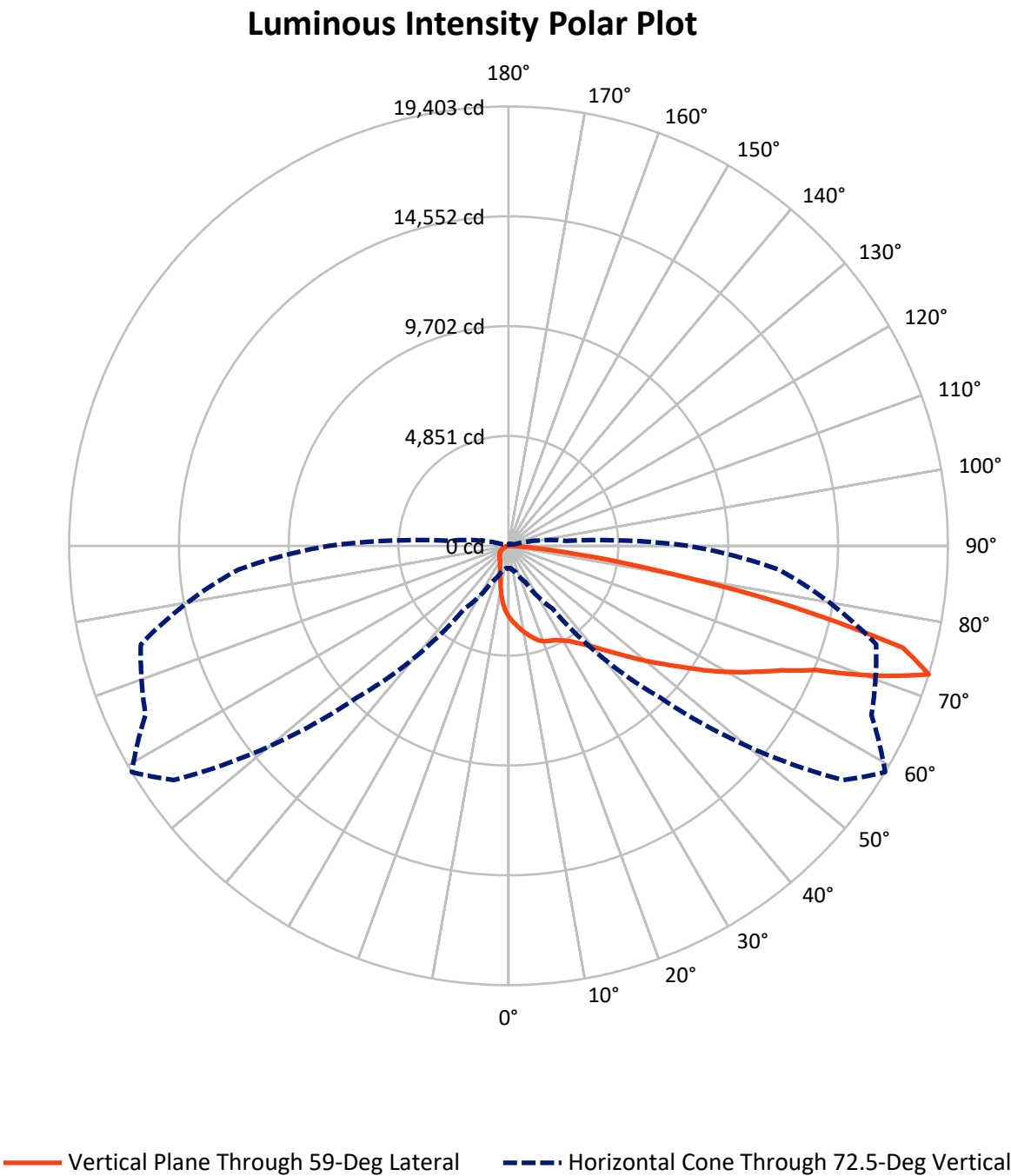
× Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc  
Type III - Medium - N/A

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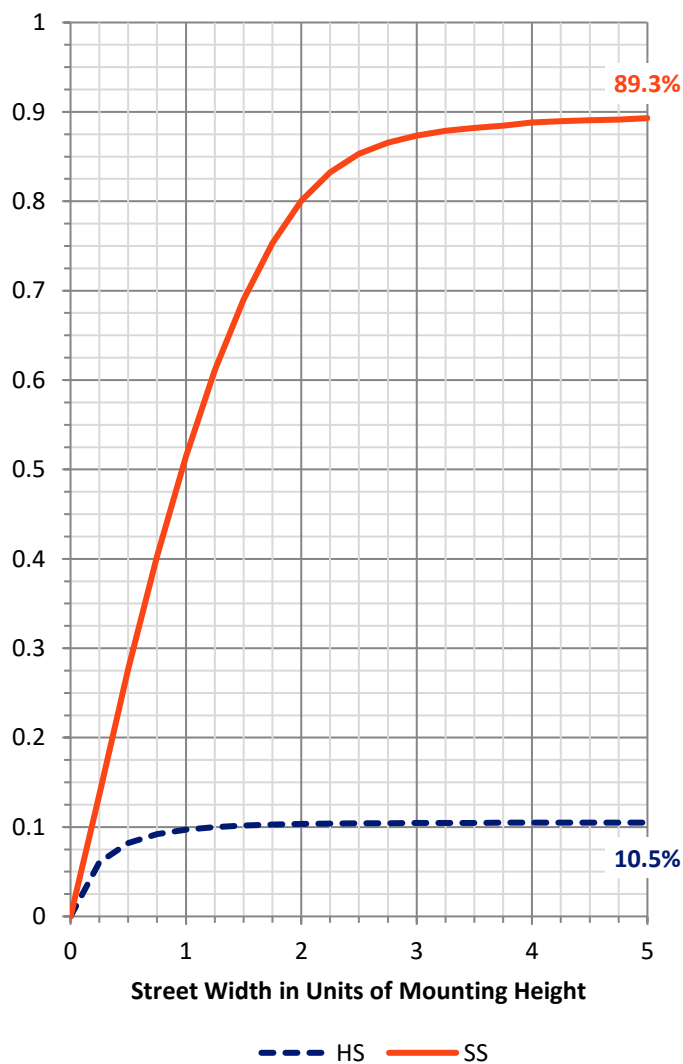
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2241.5   | 0.0    | 2241.5  |
|                    | % Fixture | 10.6     | 0.0    | 10.6    |
| <b>Street Side</b> | Lumens    | 18980.5  | 0.0    | 18980.5 |
|                    | % Fixture | 89.4     | 0.0    | 89.4    |
| <b>Total</b>       | Lumens    | 21222.0  | 0.0    | 21222.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 283.9   | 1.3       |
| 10°-20°   | 754.2   | 3.6       |
| 20°-30°   | 1195.2  | 5.6       |
| 30°-40°   | 1918.1  | 9.0       |
| 40°-50°   | 3063.6  | 14.4      |
| 50°-60°   | 4435.7  | 20.9      |
| 60°-70°   | 5264.0  | 24.8      |
| 70°-80°   | 3907.8  | 18.4      |
| 80°-90°   | 399.5   | 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°    | 21222.0 | 100.0     |
| 0°-180°   | 21222.0 | 100.0     |

**Coefficient of Utilization**



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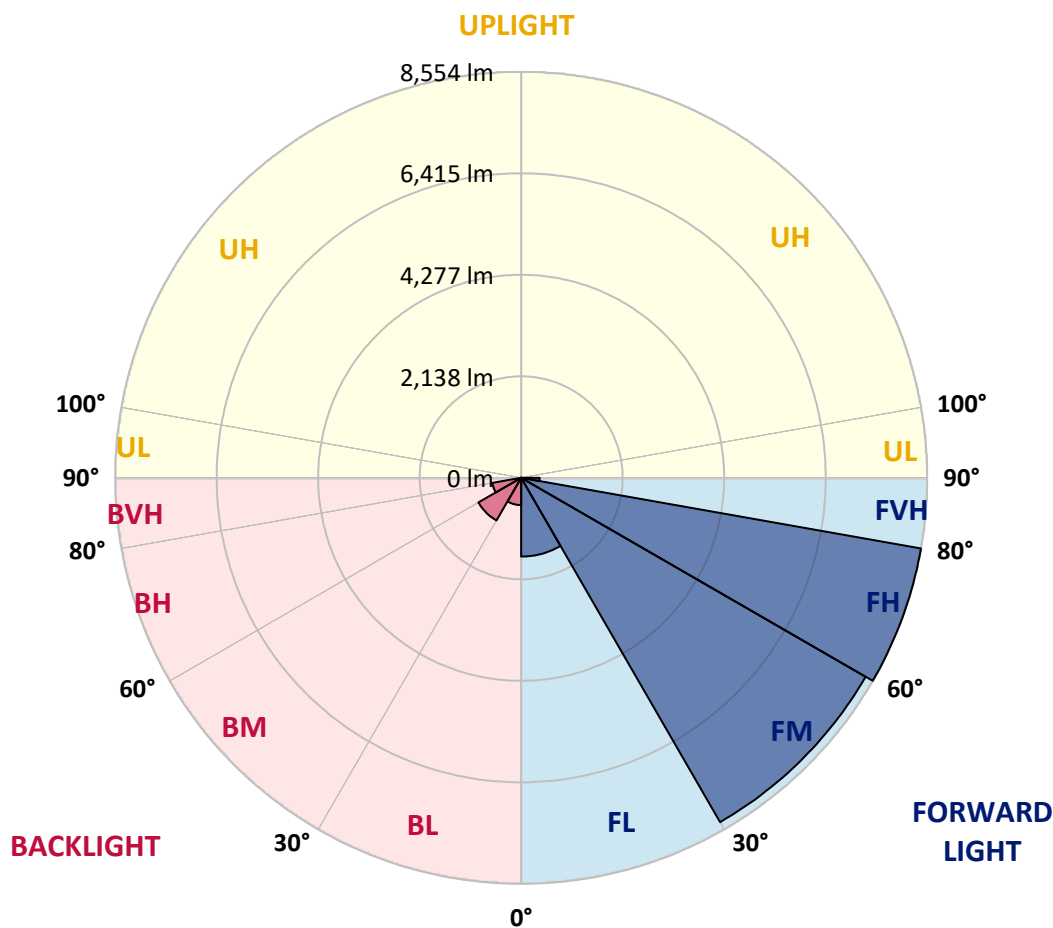
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|--------|-----------|-------------------------|------|----------|
|      |             |        |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1659.1 | 7.8       |                         |      |          |
| FM   | (30°-60°)   | 8378.1 | 39.5      |                         |      |          |
| FH   | (60°-80°)   | 8553.7 | 40.3      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 389.6  | 1.8       |                         |      | G3/500   |
| BL   | (0°-30°)    | 574.2  | 2.7       | B2/1000                 |      |          |
| BM   | (30°-60°)   | 1039.2 | 4.9       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 618.1  | 2.9       | B2/1000                 |      | G2/1000  |
| BVH  | (80°-90°)   | 9.9    | 0.0       |                         |      | G0/10    |
| 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°    | 3138.2 | 3138.2 | 3138.2 | 3138.2 | 3138.2 | 3138.2  | 3138.2  | 3138.2  | 3138.2  | 3138.2  |
| 2.5°  | 3481.8 | 3462.4 | 3465.2 | 3432.0 | 3408.4 | 3383.5  | 3335.0  | 3328.0  | 3293.4  | 3232.4  |
| 5°    | 3785.3 | 3772.8 | 3761.7 | 3724.3 | 3675.8 | 3614.9  | 3533.1  | 3504.0  | 3440.3  | 3335.0  |
| 7.5°  | 4007.0 | 3991.7 | 3997.3 | 3959.8 | 3921.1 | 3853.2  | 3740.9  | 3686.9  | 3602.4  | 3441.7  |
| 10°   | 4049.9 | 4041.6 | 4077.6 | 4091.5 | 4091.5 | 4048.5  | 3939.1  | 3885.0  | 3761.7  | 3556.7  |
| 12.5° | 3808.8 | 3810.2 | 3900.3 | 4008.3 | 4149.7 | 4189.8  | 4116.4  | 4058.2  | 3936.3  | 3678.6  |
| 15°   | 3527.6 | 3528.9 | 3616.2 | 3754.8 | 3986.2 | 4217.6  | 4275.7  | 4238.3  | 4112.3  | 3810.2  |
| 17.5° | 3358.5 | 3351.6 | 3409.8 | 3523.4 | 3765.9 | 4091.5  | 4372.7  | 4397.7  | 4295.1  | 3955.7  |
| 20°   | 3335.0 | 3322.5 | 3353.0 | 3409.8 | 3583.0 | 3933.5  | 4383.8  | 4501.6  | 4483.6  | 4120.6  |
| 22.5° | 3479.1 | 3459.7 | 3443.0 | 3445.8 | 3519.2 | 3801.9  | 4356.1  | 4559.8  | 4677.6  | 4318.7  |
| 25°   | 3764.5 | 3734.0 | 3680.0 | 3610.7 | 3595.5 | 3774.2  | 4336.7  | 4623.5  | 4857.7  | 4572.3  |
| 27.5° | 4113.6 | 4070.7 | 3966.8 | 3862.9 | 3774.2 | 3851.8  | 4376.9  | 4724.7  | 5061.3  | 4867.4  |
| 30°   | 4497.4 | 4444.8 | 4340.9 | 4144.1 | 4002.8 | 4025.0  | 4472.5  | 4857.7  | 5321.8  | 5201.3  |
| 32.5° | 5061.3 | 4939.4 | 4757.9 | 4457.3 | 4270.2 | 4212.0  | 4616.6  | 5026.7  | 5644.7  | 5646.0  |
| 35°   | 5544.9 | 5477.0 | 5294.1 | 4920.0 | 4536.2 | 4460.0  | 4806.4  | 5265.0  | 6092.2  | 6234.9  |
| 37.5° | 5862.2 | 5769.4 | 5608.6 | 5327.4 | 4949.1 | 4715.0  | 5060.0  | 5557.4  | 6566.0  | 6905.5  |
| 40°   | 6216.9 | 6125.4 | 5912.1 | 5647.4 | 5428.5 | 5152.8  | 5380.0  | 5894.0  | 7085.6  | 7594.1  |
| 42.5° | 6645.0 | 6525.9 | 6273.7 | 5988.3 | 5759.7 | 5729.2  | 5798.4  | 6313.9  | 7619.0  | 8342.3  |
| 45°   | 7148.0 | 7035.7 | 6746.2 | 6385.9 | 6185.0 | 6131.0  | 6325.0  | 6803.0  | 8213.4  | 9162.5  |
| 47.5° | 7619.0 | 7488.8 | 7177.1 | 6848.7 | 6625.6 | 6455.2  | 6884.7  | 7380.7  | 8886.8  | 10020.2 |
| 50°   | 8019.5 | 7886.4 | 7601.0 | 7250.5 | 7099.5 | 6876.4  | 7434.8  | 8025.0  | 9554.6  | 10891.7 |
| 52.5° | 8293.8 | 8176.0 | 7840.7 | 7602.4 | 7499.9 | 7387.7  | 8079.0  | 8708.1  | 10219.7 | 11689.7 |
| 55°   | 8231.4 | 8126.1 | 7831.0 | 7814.4 | 7807.5 | 7925.2  | 8849.4  | 9482.6  | 10897.2 | 12444.8 |
| 57.5° | 8033.3 | 7914.2 | 7545.6 | 7799.2 | 8044.4 | 8404.6  | 9683.5  | 10398.4 | 11639.8 | 13157.0 |
| 60°   | 7450.0 | 7408.4 | 7184.0 | 7770.1 | 8144.2 | 8874.3  | 10636.7 | 11318.4 | 12443.5 | 13783.3 |
| 62.5° | 6215.5 | 6251.5 | 6250.1 | 7831.0 | 8324.3 | 9409.1  | 11502.7 | 12249.5 | 13229.1 | 14386.0 |
| 65°   | 4654.0 | 4778.7 | 4938.0 | 7282.4 | 8565.4 | 10363.8 | 12537.7 | 13259.5 | 14027.1 | 15087.0 |
| 67.5° | 3127.1 | 3226.9 | 3335.0 | 5974.4 | 7847.6 | 11366.9 | 14257.1 | 14643.7 | 14983.1 | 15864.3 |
| 70°   | 1790.1 | 1822.0 | 1973.0 | 3731.2 | 6049.2 | 11089.8 | 17057.3 | 17197.2 | 16408.8 | 16821.7 |
| 72.5° | 1003.1 | 992.0  | 1191.6 | 1770.7 | 3380.7 | 9496.4  | 18038.2 | 19403.0 | 17684.9 | 16806.5 |
| 75°   | 670.6  | 672.0  | 820.2  | 1116.7 | 1317.6 | 6647.8  | 15544.3 | 17991.1 | 16920.1 | 14902.8 |
| 77.5° | 457.2  | 472.5  | 602.7  | 863.2  | 609.6  | 3243.5  | 10283.4 | 12602.8 | 13698.7 | 11508.2 |
| 80°   | 198.1  | 199.5  | 397.6  | 619.3  | 411.5  | 1032.2  | 5331.5  | 6751.7  | 8591.7  | 6462.1  |
| 82.5° | 102.5  | 116.4  | 253.6  | 400.4  | 259.1  | 361.6   | 2518.9  | 2949.8  | 3605.2  | 1896.8  |
| 85°   | 36.0   | 43.0   | 156.6  | 196.7  | 130.2  | 128.9   | 877.0   | 893.7   | 763.4   | 285.4   |
| 87.5° | 0.0    | 6.9    | 61.0   | 48.5   | 16.6   | 15.2    | 103.9   | 87.3    | 69.3    | 40.2    |
| 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°   |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3138.2  | 0°    | 3138.2 | 3138.2 | 3138.2 | 3138.2 | 3138.2 | 3138.2 | 3138.2 | 3138.2 | 3138.2 | 3138.2 |
| 3170.1  | 2.5°  | 3141.0 | 3103.6 | 3042.6 | 2967.8 | 2880.5 | 2833.4 | 2765.5 | 2724.0 | 2686.5 | 2687.9 |
| 3213.0  | 5°    | 3145.2 | 3082.8 | 2927.6 | 2762.7 | 2579.9 | 2445.5 | 2295.8 | 2190.5 | 2110.2 | 2090.8 |
| 3257.4  | 7.5°  | 3157.6 | 3052.3 | 2798.8 | 2524.4 | 2219.6 | 1993.8 | 1787.3 | 1657.1 | 1583.7 | 1564.3 |
| 3303.1  | 10°   | 3174.3 | 3019.1 | 2653.3 | 2233.5 | 1855.2 | 1583.7 | 1411.9 | 1328.7 | 1295.5 | 1270.5 |
| 3361.3  | 12.5° | 3188.1 | 2984.4 | 2470.4 | 1932.8 | 1531.0 | 1319.0 | 1188.8 | 1119.5 | 1090.4 | 1072.4 |
| 3429.2  | 15°   | 3211.7 | 2938.7 | 2272.3 | 1652.9 | 1312.1 | 1138.9 | 1015.6 | 964.3  | 956.0  | 958.8  |
| 3504.0  | 17.5° | 3235.2 | 2894.4 | 2050.6 | 1434.0 | 1151.4 | 981.0  | 906.1  | 897.8  | 908.9  | 920.0  |
| 3589.9  | 20°   | 3261.5 | 2830.6 | 1826.1 | 1269.1 | 1003.1 | 871.5  | 852.1  | 857.6  | 863.2  | 882.6  |
| 3707.7  | 22.5° | 3300.3 | 2750.3 | 1629.4 | 1129.2 | 879.8  | 818.8  | 809.2  | 813.3  | 817.5  | 836.9  |
| 3862.9  | 25°   | 3355.8 | 2664.4 | 1470.0 | 1000.4 | 802.2  | 775.9  | 766.2  | 766.2  | 771.7  | 789.8  |
| 4043.0  | 27.5° | 3413.9 | 2542.4 | 1341.2 | 881.2  | 756.5  | 728.8  | 712.2  | 712.2  | 719.1  | 739.9  |
| 4268.8  | 30°   | 3479.1 | 2431.6 | 1240.1 | 792.5  | 717.7  | 681.7  | 659.5  | 654.0  | 662.3  | 688.6  |
| 4595.8  | 32.5° | 3596.8 | 2359.6 | 1168.0 | 751.0  | 683.1  | 638.7  | 608.2  | 593.0  | 601.3  | 631.8  |
| 5053.0  | 35°   | 3775.6 | 2342.9 | 1118.1 | 730.2  | 649.8  | 599.9  | 557.0  | 533.4  | 540.4  | 572.2  |
| 5616.9  | 37.5° | 3984.8 | 2377.6 | 1069.6 | 702.5  | 617.9  | 562.5  | 505.7  | 475.2  | 486.3  | 515.4  |
| 6261.2  | 40°   | 4285.4 | 2521.7 | 1032.2 | 681.7  | 586.1  | 518.2  | 454.5  | 424.0  | 442.0  | 466.9  |
| 6931.8  | 42.5° | 4648.5 | 2778.0 | 1022.5 | 662.3  | 547.3  | 471.1  | 407.3  | 385.2  | 399.0  | 422.6  |
| 7609.3  | 45°   | 5098.8 | 3105.0 | 1066.9 | 637.3  | 504.3  | 425.4  | 369.9  | 357.5  | 361.6  | 385.2  |
| 8249.5  | 47.5° | 5582.3 | 3440.3 | 1188.8 | 615.2  | 466.9  | 387.9  | 340.8  | 329.8  | 327.0  | 349.2  |
| 8834.1  | 50°   | 6071.4 | 3738.2 | 1332.9 | 598.5  | 440.6  | 357.5  | 318.7  | 304.8  | 297.9  | 311.7  |
| 9411.9  | 52.5° | 6554.9 | 3975.1 | 1427.1 | 570.8  | 414.3  | 327.0  | 299.3  | 278.5  | 266.0  | 272.9  |
| 9986.9  | 55°   | 7045.4 | 4182.9 | 1432.6 | 529.3  | 389.3  | 307.6  | 279.9  | 256.3  | 241.1  | 241.1  |
| 10541.1 | 57.5° | 7504.0 | 4365.8 | 1350.9 | 473.9  | 354.7  | 289.6  | 253.6  | 234.2  | 217.5  | 212.0  |
| 11033.0 | 60°   | 7910.0 | 4501.6 | 1215.1 | 411.5  | 324.2  | 266.0  | 227.2  | 212.0  | 191.2  | 180.1  |
| 11470.8 | 62.5° | 8271.6 | 4568.1 | 1029.4 | 347.8  | 286.8  | 238.3  | 202.3  | 185.7  | 158.0  | 144.1  |
| 11915.6 | 65°   | 8577.8 | 4500.2 | 835.5  | 288.2  | 254.9  | 207.8  | 173.2  | 156.6  | 126.1  | 109.5  |
| 12415.7 | 67.5° | 8881.3 | 4189.8 | 631.8  | 242.5  | 221.7  | 174.6  | 142.7  | 127.5  | 105.3  | 91.4   |
| 12780.1 | 70°   | 8920.1 | 3537.3 | 442.0  | 203.7  | 184.3  | 134.4  | 115.0  | 105.3  | 85.9   | 73.4   |
| 11966.8 | 72.5° | 7940.5 | 2545.2 | 268.8  | 166.3  | 144.1  | 95.6   | 91.4   | 83.1   | 63.7   | 55.4   |
| 9777.7  | 75°   | 6347.1 | 1560.1 | 158.0  | 124.7  | 95.6   | 67.9   | 67.9   | 59.6   | 43.0   | 36.0   |
| 6750.3  | 77.5° | 4386.6 | 816.1  | 92.8   | 80.4   | 56.8   | 40.2   | 44.3   | 36.0   | 20.8   | 16.6   |
| 2674.1  | 80°   | 1756.9 | 310.4  | 49.9   | 37.4   | 26.3   | 18.0   | 15.2   | 8.3    | 4.2    | 2.8    |
| 548.7   | 82.5° | 350.5  | 81.7   | 16.6   | 9.7    | 9.7    | 4.2    | 0.0    | 0.0    | 0.0    | 0.0    |
| 151.0   | 85°   | 90.1   | 18.0   | 4.2    | 2.8    | 2.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 49.9    | 87.5° | 27.7   | 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°   |
|--------|
| 3138.2 |
| 2718.4 |
| 2119.9 |
| 1583.7 |
| 1285.8 |
| 1082.1 |
| 962.9  |
| 924.1  |
| 888.1  |
| 842.4  |
| 796.7  |
| 748.2  |
| 695.5  |
| 640.1  |
| 581.9  |
| 523.7  |
| 471.1  |
| 426.7  |
| 396.3  |
| 363.0  |
| 317.3  |
| 278.5  |
| 243.9  |
| 213.4  |
| 177.3  |
| 142.7  |
| 109.5  |
| 91.4   |
| 72.0   |
| 54.0   |
| 36.0   |
| 16.6   |
| 4.2    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |

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