

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: P944456

Luminaire Tested: **GLAN-SB9B-930-U-T3-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P944456  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9B-930-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 27983 lumens  
Efficiency: N/A  
Efficacy: 84.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G4

Input Watts (W): 329.5  
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



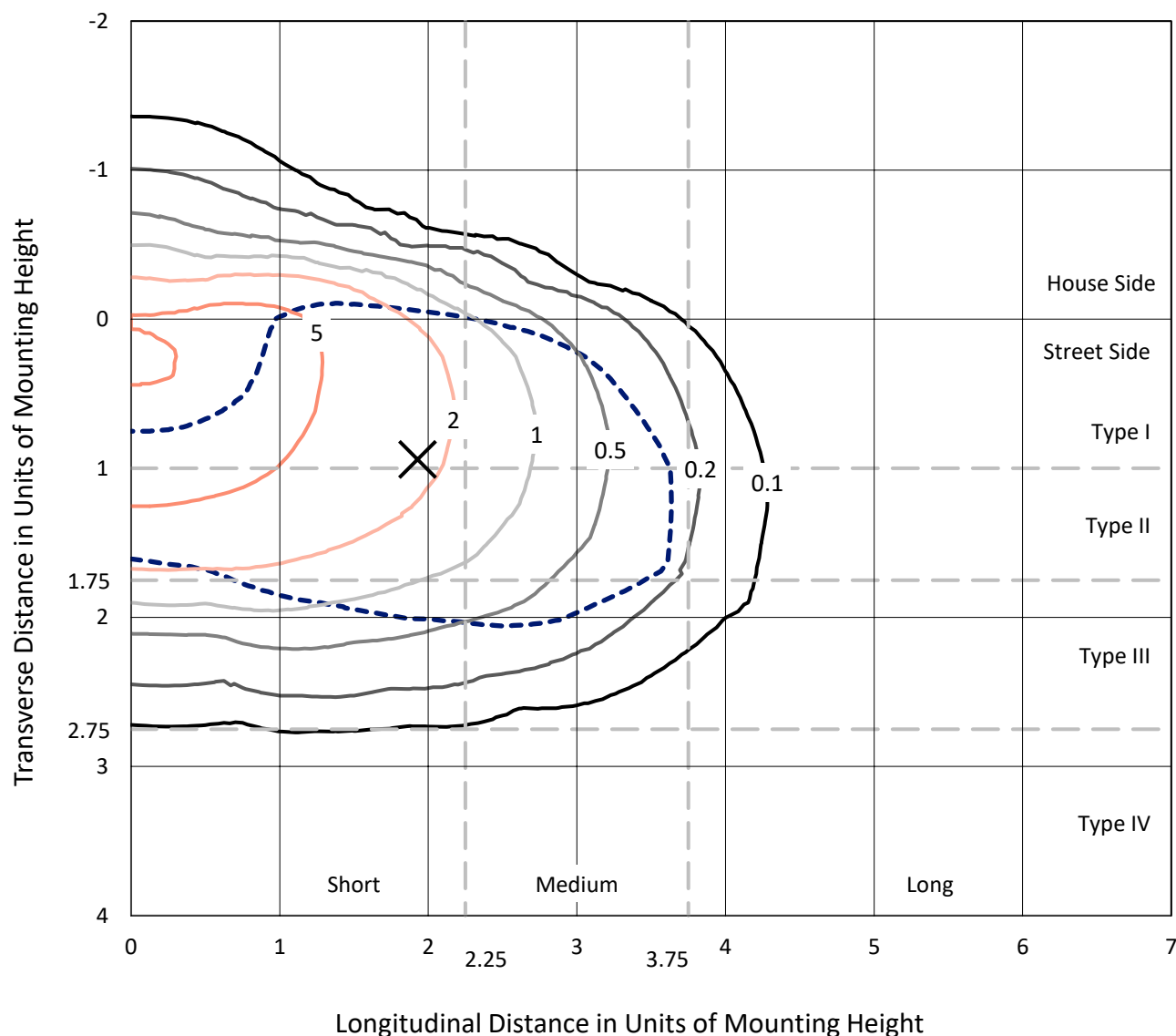
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

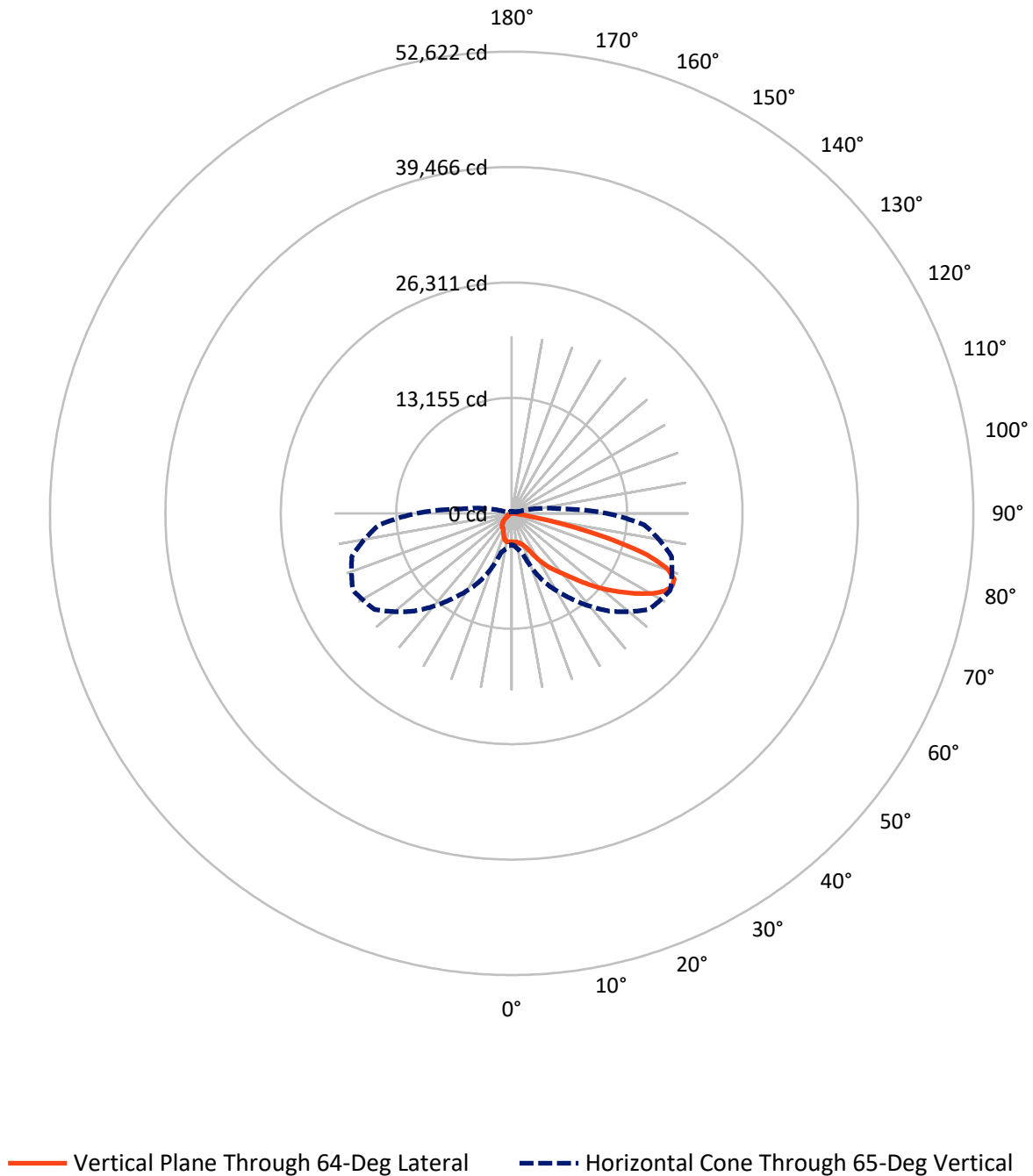


Based on 25 foot mounting height. Maximum calculated value = 8.2 fc

Type III - Short - N/A

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## Luminous Intensity Polar Plot



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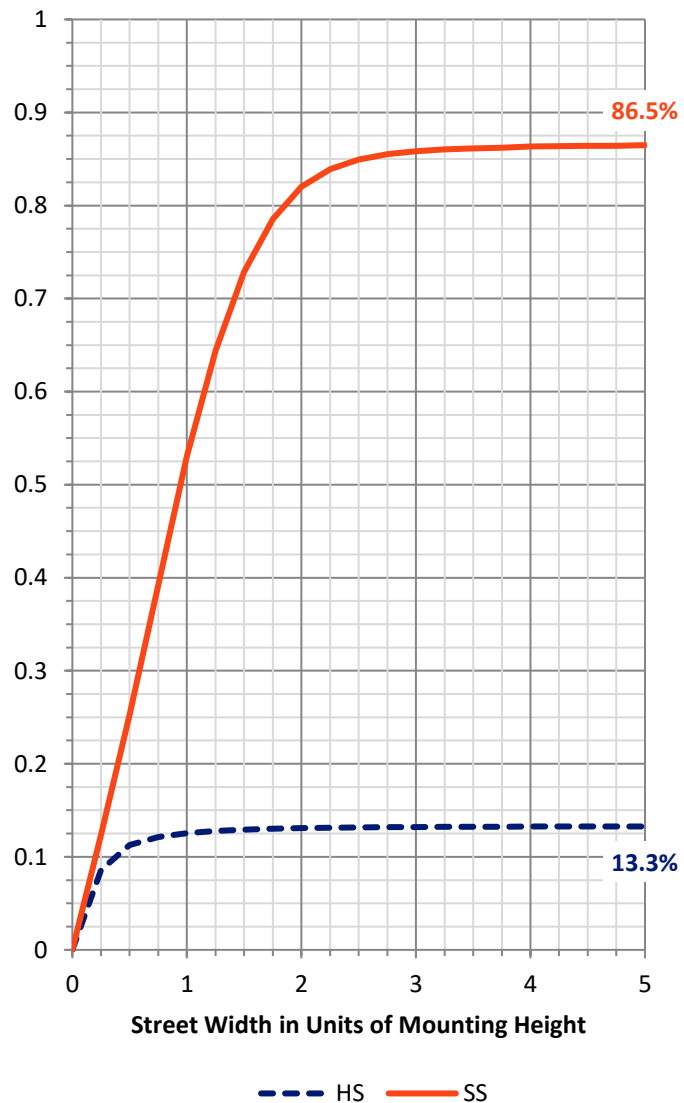
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3742.2   | 0.0    | 3742.2  |
|                    | % Fixture | 13.4     | 0.0    | 13.4    |
| <b>Street Side</b> | Lumens    | 24240.8  | 0.0    | 24240.8 |
|                    | % Fixture | 86.6     | 0.0    | 86.6    |
| <b>Total</b>       | Lumens    | 27983.0  | 0.0    | 27983.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 300.3   | 1.1       |
| 10°-20°   | 814.4   | 2.9       |
| 20°-30°   | 1543.3  | 5.5       |
| 30°-40°   | 3122.9  | 11.2      |
| 40°-50°   | 5319.9  | 19.0      |
| 50°-60°   | 7234.7  | 25.9      |
| 60°-70°   | 6793.7  | 24.3      |
| 70°-80°   | 2721.9  | 9.7       |
| 80°-90°   | 131.9   | 0.5       |
| 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°    | 27983.0 | 100.0     |
| 0°-180°   | 27983.0 | 100.0     |

**Coefficient of Utilization**



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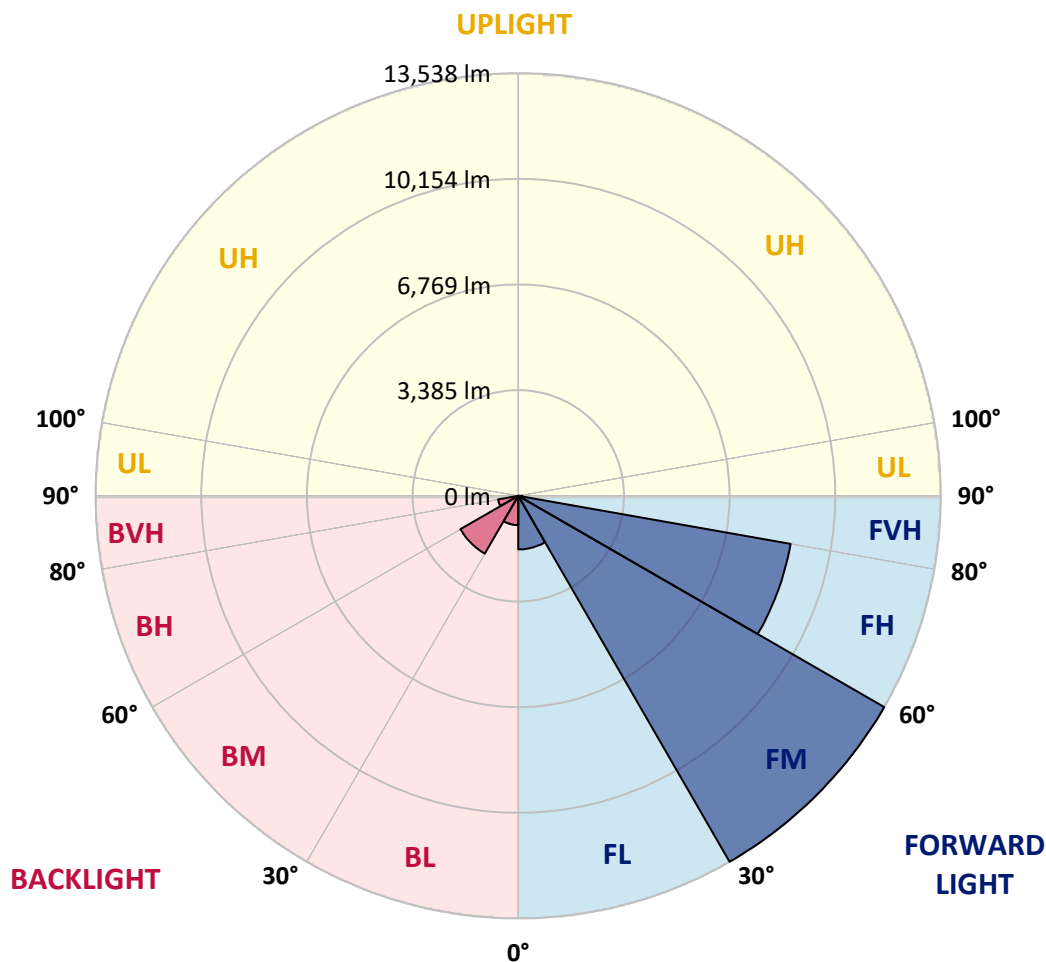
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1718.5  | 6.1       |                         |      |          |
| FM   | (30°-60°)   | 13538.1 | 48.4      |                         |      |          |
| FH   | (60°-80°)   | 8858.8  | 31.7      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 125.4   | 0.4       |                         |      | G2/225   |
| BL   | (0°-30°)    | 939.6   | 3.4       | B2/1000                 |      |          |
| BM   | (30°-60°)   | 2139.4  | 7.6       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 656.8   | 2.3       | B2/1000                 |      | G2/1000  |
| BVH  | (80°-90°)   | 6.4     | 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 Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 64°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3254.7  | 3254.7  | 3254.7  | 3254.7  | 3254.7  | 3254.7  | 3254.7  | 3254.7  | 3254.7  | 3254.7  |
| 2.5°  | 3243.5  | 3266.0  | 3260.3  | 3254.7  | 3252.8  | 3256.6  | 3258.5  | 3256.6  | 3256.6  | 3256.6  |
| 5°    | 3181.6  | 3200.3  | 3200.3  | 3213.4  | 3232.2  | 3254.7  | 3271.6  | 3275.3  | 3279.1  | 3284.7  |
| 7.5°  | 3063.4  | 3078.4  | 3089.6  | 3132.8  | 3179.7  | 3239.7  | 3290.4  | 3316.6  | 3320.4  | 3341.0  |
| 10°   | 2982.7  | 3001.5  | 3020.2  | 3065.2  | 3132.8  | 3222.8  | 3309.1  | 3372.9  | 3382.3  | 3431.0  |
| 12.5° | 2979.0  | 2997.7  | 3022.1  | 3070.9  | 3149.7  | 3245.3  | 3350.4  | 3442.3  | 3459.2  | 3530.5  |
| 15°   | 3018.3  | 3040.9  | 3063.4  | 3123.4  | 3207.8  | 3324.1  | 3436.7  | 3551.1  | 3568.0  | 3669.3  |
| 17.5° | 3099.0  | 3129.0  | 3145.9  | 3205.9  | 3296.0  | 3425.4  | 3573.6  | 3704.9  | 3719.9  | 3838.1  |
| 20°   | 3258.5  | 3294.1  | 3299.7  | 3348.5  | 3436.7  | 3575.5  | 3751.8  | 3915.0  | 3933.8  | 4068.9  |
| 22.5° | 3588.6  | 3639.3  | 3594.3  | 3618.6  | 3697.4  | 3836.2  | 4027.6  | 4233.9  | 4260.2  | 4414.0  |
| 25°   | 4170.2  | 4241.4  | 4125.1  | 4083.9  | 4117.6  | 4262.1  | 4502.2  | 4762.9  | 4793.0  | 4916.8  |
| 27.5° | 5312.6  | 5220.7  | 5044.3  | 4871.8  | 4770.5  | 4853.0  | 5123.1  | 5445.8  | 5483.3  | 5603.4  |
| 30°   | 6567.6  | 6486.9  | 6248.7  | 5866.0  | 5625.9  | 5612.7  | 5862.2  | 6222.4  | 6265.6  | 6380.0  |
| 32.5° | 7824.4  | 7747.5  | 7488.7  | 7017.8  | 6601.3  | 6395.0  | 6567.6  | 6967.2  | 6989.7  | 7062.8  |
| 35°   | 9060.7  | 8981.9  | 8723.0  | 8240.9  | 7728.8  | 7259.8  | 7226.0  | 7676.2  | 7683.8  | 7760.7  |
| 37.5° | 10304.4 | 10238.7 | 9963.0  | 9490.3  | 8985.6  | 8338.4  | 8025.2  | 8347.8  | 8357.2  | 8432.2  |
| 40°   | 11191.7 | 11219.9 | 11030.4 | 10664.6 | 10231.2 | 9524.0  | 8921.9  | 9062.5  | 9006.3  | 9132.0  |
| 42.5° | 11953.3 | 12009.6 | 11844.5 | 11660.7 | 11409.3 | 10786.5 | 10032.4 | 10008.0 | 9918.0  | 9985.5  |
| 45°   | 12611.8 | 12658.7 | 12510.5 | 12467.3 | 12461.7 | 12024.6 | 11246.1 | 11099.8 | 10974.1 | 10961.0 |
| 47.5° | 12853.8 | 12943.8 | 13007.6 | 13152.0 | 13433.4 | 13249.6 | 12501.1 | 12274.1 | 12133.4 | 12030.2 |
| 50°   | 12945.7 | 13041.4 | 13259.0 | 13679.2 | 14345.1 | 14423.9 | 13750.5 | 13495.3 | 13322.8 | 13135.2 |
| 52.5° | 12821.9 | 12992.6 | 13285.2 | 13992.5 | 14958.6 | 15365.6 | 14949.2 | 14725.9 | 14529.0 | 14223.2 |
| 55°   | 12092.2 | 12262.9 | 12861.3 | 13988.7 | 15264.3 | 16025.9 | 16082.2 | 15982.8 | 15761.4 | 15279.3 |
| 57.5° | 10553.9 | 10807.1 | 11754.5 | 13512.2 | 15258.7 | 16594.3 | 17192.8 | 17264.1 | 17016.4 | 16326.1 |
| 60°   | 8422.9  | 8766.2  | 9921.7  | 12456.1 | 14787.8 | 16902.0 | 18166.4 | 18522.8 | 18260.2 | 17357.8 |
| 62.5° | 5877.2  | 6274.9  | 7368.6  | 10801.5 | 13711.1 | 16680.6 | 18877.3 | 19535.8 | 19336.9 | 18280.8 |
| 65°   | 3584.9  | 3712.4  | 4594.1  | 8499.8  | 11880.2 | 15753.9 | 19096.8 | 20083.6 | 20017.9 | 18845.4 |
| 67.5° | 2388.0  | 2495.0  | 2748.2  | 5828.5  | 9222.0  | 13902.4 | 18571.6 | 19987.9 | 20006.6 | 18753.5 |
| 70°   | 1438.8  | 1530.7  | 1695.8  | 3389.8  | 5976.7  | 11004.1 | 16945.1 | 18768.5 | 18877.3 | 17524.8 |
| 72.5° | 592.8   | 654.7   | 804.8   | 1536.4  | 3095.3  | 6984.0  | 13493.5 | 16114.1 | 16367.4 | 14735.3 |
| 75°   | 335.8   | 367.7   | 472.7   | 771.0   | 1343.2  | 3254.7  | 8173.4  | 11439.3 | 11812.6 | 10156.2 |
| 77.5° | 223.2   | 238.2   | 305.8   | 499.0   | 756.0   | 1110.5  | 3493.0  | 5959.8  | 6672.6  | 5547.1  |
| 80°   | 150.1   | 163.2   | 210.1   | 333.9   | 491.5   | 476.5   | 1112.4  | 2208.0  | 2716.3  | 1905.9  |
| 82.5° | 101.3   | 103.2   | 150.1   | 219.5   | 311.4   | 230.7   | 328.3   | 686.6   | 862.9   | 551.5   |
| 85°   | 58.2    | 56.3    | 110.7   | 127.6   | 138.8   | 95.7    | 99.4    | 206.4   | 270.1   | 232.6   |
| 87.5° | 7.5     | 11.3    | 43.1    | 33.8    | 18.8    | 20.6    | 20.6    | 35.6    | 52.5    | 56.3    |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3254.7  | 0°    | 3254.7  | 3254.7 | 3254.7 | 3254.7 | 3254.7 | 3254.7 | 3254.7 | 3254.7 | 3254.7 | 3254.7 |
| 3258.5  | 2.5°  | 3258.5  | 3256.6 | 3251.0 | 3245.3 | 3232.2 | 3224.7 | 3228.5 | 3224.7 | 3222.8 | 3224.7 |
| 3282.9  | 5°    | 3282.9  | 3277.2 | 3262.2 | 3243.5 | 3217.2 | 3185.3 | 3164.7 | 3134.7 | 3106.5 | 3089.6 |
| 3348.5  | 7.5°  | 3348.5  | 3342.9 | 3322.2 | 3269.7 | 3185.3 | 3052.1 | 2930.2 | 2823.3 | 2742.6 | 2695.7 |
| 3453.6  | 10°   | 3453.6  | 3444.2 | 3412.3 | 3296.0 | 3074.6 | 2783.9 | 2541.9 | 2341.1 | 2209.8 | 2147.9 |
| 3577.4  | 12.5° | 3577.4  | 3566.1 | 3509.8 | 3271.6 | 2864.5 | 2410.6 | 2076.6 | 1853.4 | 1731.5 | 1677.1 |
| 3719.9  | 15°   | 3723.7  | 3708.7 | 3598.0 | 3155.3 | 2558.7 | 1997.9 | 1692.1 | 1525.1 | 1446.3 | 1397.6 |
| 3901.9  | 17.5° | 3905.7  | 3879.4 | 3663.7 | 2980.8 | 2226.7 | 1682.7 | 1455.7 | 1330.0 | 1260.6 | 1213.7 |
| 4140.1  | 20°   | 4142.0  | 4098.9 | 3716.2 | 2772.6 | 1920.9 | 1483.8 | 1296.3 | 1191.2 | 1138.7 | 1097.4 |
| 4477.8  | 22.5° | 4472.2  | 4410.3 | 3780.0 | 2547.5 | 1705.2 | 1346.9 | 1178.1 | 1101.2 | 1058.0 | 1011.1 |
| 4948.7  | 25°   | 4881.1  | 4808.0 | 3858.8 | 2339.3 | 1557.0 | 1228.7 | 1091.8 | 1028.0 | 977.4  | 923.0  |
| 5565.8  | 27.5° | 5453.3  | 5322.0 | 3952.6 | 2168.6 | 1429.4 | 1127.4 | 1013.0 | 941.7  | 883.6  | 838.5  |
| 6265.6  | 30°   | 6091.1  | 5875.4 | 4035.1 | 2065.4 | 1313.1 | 1033.6 | 909.8  | 838.5  | 784.1  | 752.2  |
| 6894.0  | 32.5° | 6695.1  | 6402.5 | 4089.5 | 2020.4 | 1208.1 | 926.7  | 797.3  | 720.4  | 679.1  | 669.7  |
| 7509.3  | 35°   | 7265.4  | 6879.0 | 4083.9 | 1977.2 | 1114.3 | 819.8  | 686.6  | 607.8  | 575.9  | 581.5  |
| 8171.5  | 37.5° | 7922.0  | 7387.4 | 4044.5 | 1909.7 | 1037.4 | 722.2  | 590.9  | 521.5  | 493.4  | 495.2  |
| 8976.3  | 40°   | 8685.5  | 7974.5 | 4020.1 | 1782.1 | 953.0  | 632.2  | 512.1  | 455.8  | 435.2  | 427.7  |
| 9824.2  | 42.5° | 9499.6  | 8542.9 | 4023.8 | 1637.7 | 847.9  | 551.5  | 457.7  | 410.8  | 392.1  | 386.4  |
| 10767.8 | 45°   | 10317.5 | 9085.1 | 4029.5 | 1487.6 | 737.2  | 489.6  | 418.3  | 378.9  | 367.7  | 360.2  |
| 11724.5 | 47.5° | 11086.7 | 9546.5 | 3924.4 | 1326.3 | 628.4  | 442.7  | 386.4  | 360.2  | 350.8  | 341.4  |
| 12684.9 | 50°   | 11803.3 | 9854.2 | 3671.2 | 1138.7 | 542.1  | 405.2  | 362.1  | 343.3  | 333.9  | 324.5  |
| 13555.4 | 52.5° | 12360.4 | 9903.0 | 3252.8 | 945.5  | 482.1  | 377.1  | 347.0  | 330.2  | 318.9  | 309.5  |
| 14258.8 | 55°   | 12608.0 | 9597.2 | 2658.2 | 765.4  | 435.2  | 352.7  | 332.0  | 315.2  | 302.0  | 292.6  |
| 14812.2 | 57.5° | 12544.2 | 8953.7 | 2072.9 | 615.3  | 390.2  | 328.3  | 313.3  | 302.0  | 287.0  | 272.0  |
| 15260.6 | 60°   | 12231.0 | 8092.7 | 1562.6 | 512.1  | 348.9  | 302.0  | 292.6  | 283.3  | 262.6  | 240.1  |
| 15433.2 | 62.5° | 11688.8 | 7010.3 | 1114.3 | 424.0  | 303.9  | 272.0  | 268.3  | 260.8  | 230.7  | 189.5  |
| 15178.0 | 65°   | 10859.7 | 5695.3 | 750.4  | 352.7  | 260.8  | 238.2  | 240.1  | 227.0  | 187.6  | 140.7  |
| 14243.8 | 67.5° | 9647.8  | 4164.5 | 480.2  | 288.9  | 217.6  | 198.8  | 200.7  | 193.2  | 159.5  | 120.1  |
| 12473.0 | 70°   | 8104.0  | 2757.6 | 313.3  | 219.5  | 174.5  | 153.8  | 165.1  | 167.0  | 135.1  | 97.5   |
| 9572.8  | 72.5° | 5941.0  | 1628.3 | 219.5  | 163.2  | 127.6  | 106.9  | 135.1  | 138.8  | 108.8  | 73.2   |
| 5759.1  | 75°   | 3386.0  | 772.9  | 165.1  | 118.2  | 78.8   | 75.0   | 105.1  | 105.1  | 75.0   | 48.8   |
| 2493.1  | 77.5° | 1421.9  | 322.7  | 116.3  | 76.9   | 45.0   | 43.1   | 71.3   | 65.7   | 37.5   | 22.5   |
| 607.8   | 80°   | 410.8   | 144.4  | 61.9   | 37.5   | 18.8   | 16.9   | 28.1   | 20.6   | 9.4    | 3.8    |
| 230.7   | 82.5° | 161.3   | 63.8   | 24.4   | 15.0   | 7.5    | 7.5    | 3.8    | 0.0    | 0.0    | 0.0    |
| 131.3   | 85°   | 95.7    | 26.3   | 11.3   | 5.6    | 1.9    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 28.1    | 87.5° | 24.4    | 5.6    | 3.8    | 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°   |
|--------|
| 3254.7 |
| 3232.2 |
| 3093.4 |
| 2697.6 |
| 2142.3 |
| 1671.4 |
| 1399.4 |
| 1210.0 |
| 1089.9 |
| 1003.6 |
| 917.3  |
| 829.2  |
| 746.6  |
| 675.3  |
| 581.5  |
| 502.7  |
| 425.8  |
| 384.6  |
| 360.2  |
| 341.4  |
| 324.5  |
| 307.7  |
| 290.8  |
| 270.1  |
| 236.4  |
| 185.7  |
| 136.9  |
| 114.4  |
| 93.8   |
| 69.4   |
| 45.0   |
| 22.5   |
| 3.8    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |