

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: P949792

Luminaire Tested: **GLAN-SB4B-940-U-SL2**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P949792  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4B-940-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 16255 lumens  
Efficiency: N/A  
Efficacy: 110.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

Input Watts (W): 147  
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



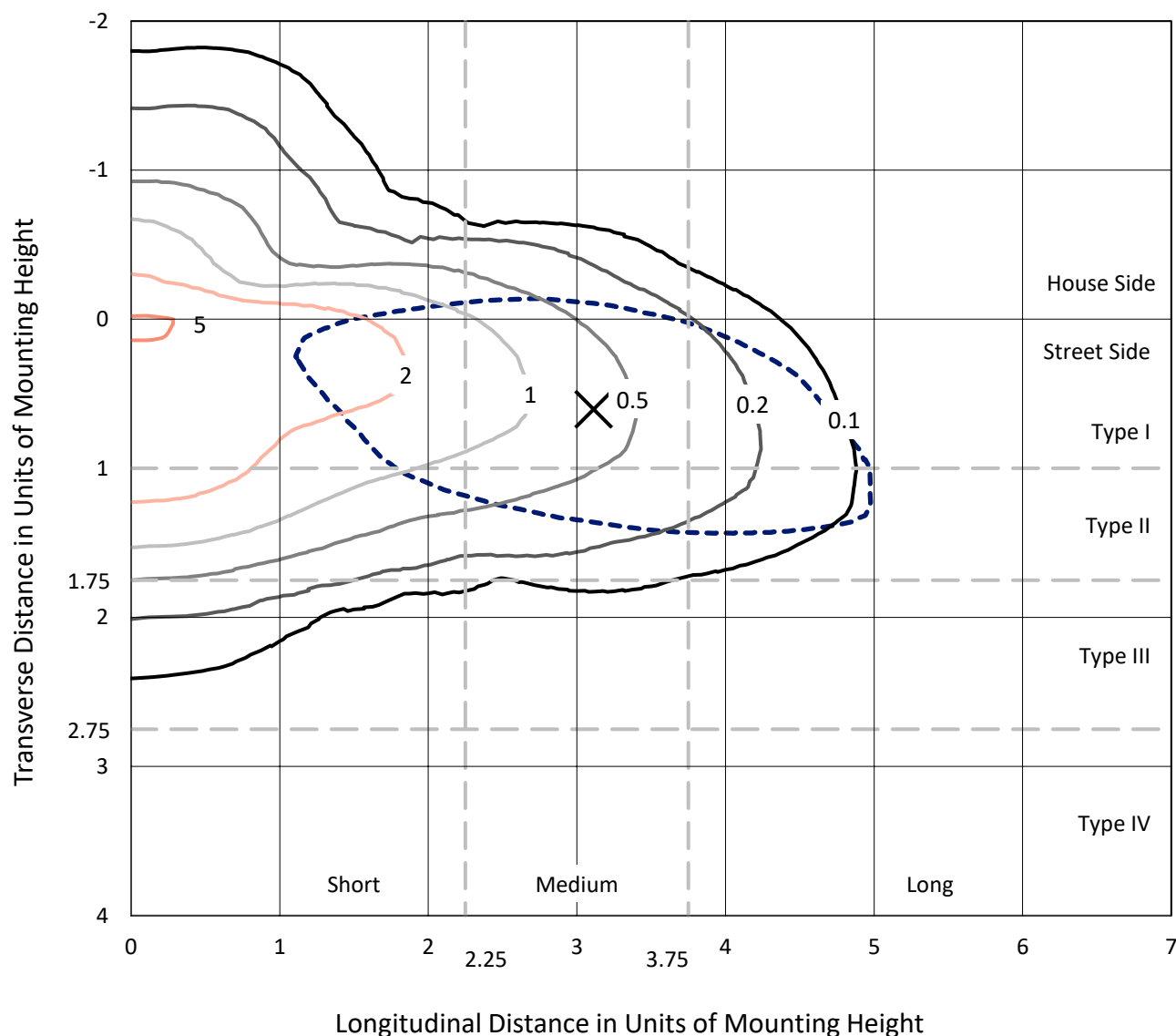
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

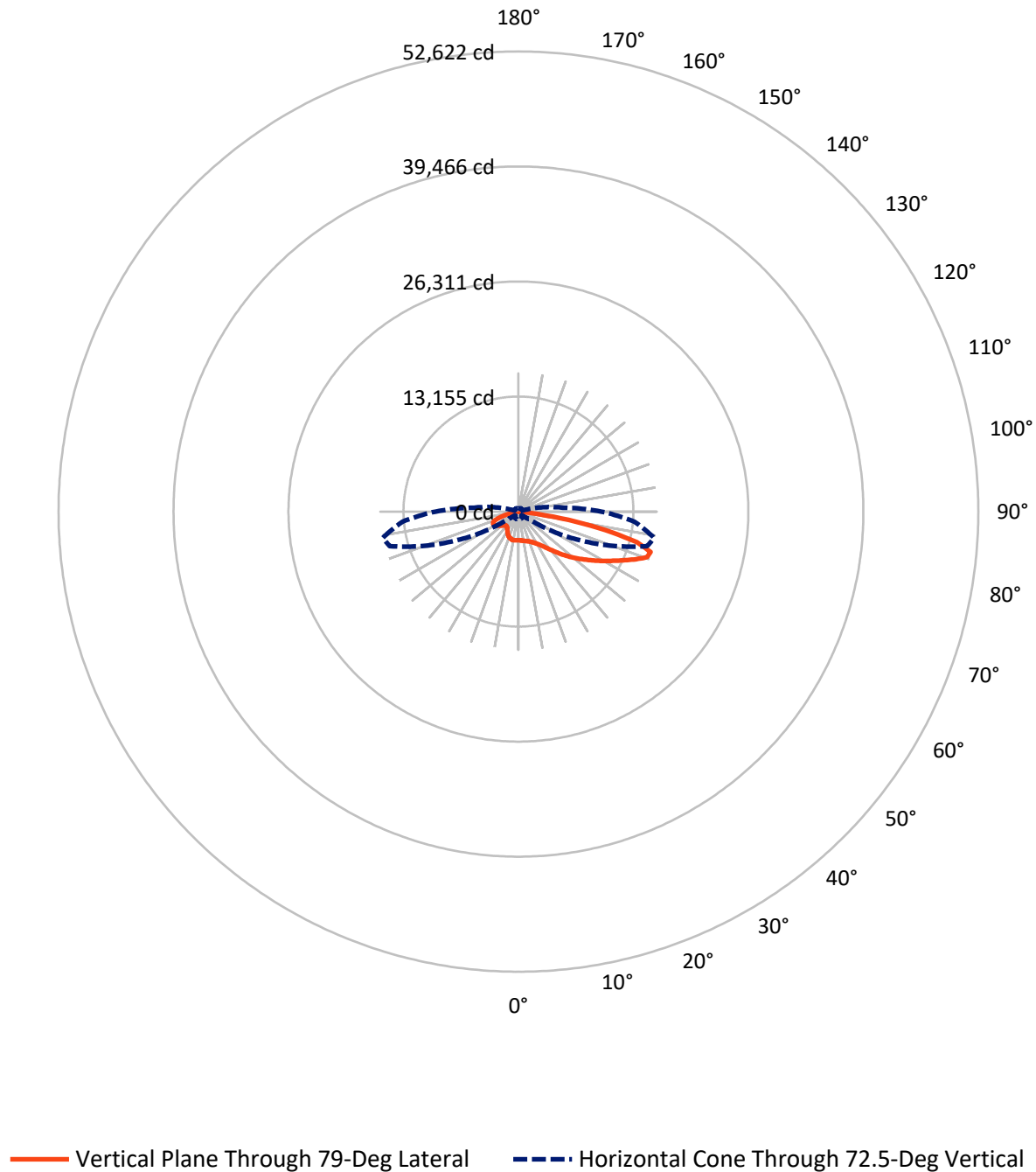
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc  
 Type II - 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    | 3577.0   | 0.0    | 3577.0  |
|                    | % Fixture | 22.0     | 0.0    | 22.0    |
| <b>Street Side</b> | Lumens    | 12678.0  | 0.0    | 12678.0 |
|                    | % Fixture | 78.0     | 0.0    | 78.0    |
| <b>Total</b>       | Lumens    | 16255.0  | 0.0    | 16255.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 296.2   | 1.8       |
| 10°-20°   | 774.4   | 4.8       |
| 20°-30°   | 1249.5  | 7.7       |
| 30°-40°   | 1875.4  | 11.5      |
| 40°-50°   | 2660.3  | 16.4      |
| 50°-60°   | 3359.7  | 20.7      |
| 60°-70°   | 3412.2  | 21.0      |
| 70°-80°   | 2325.6  | 14.3      |
| 80°-90°   | 301.7   | 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°    | 16255.0 | 100.0     |
| 0°-180°   | 16255.0 | 100.0     |

**Coefficient of Utilization**



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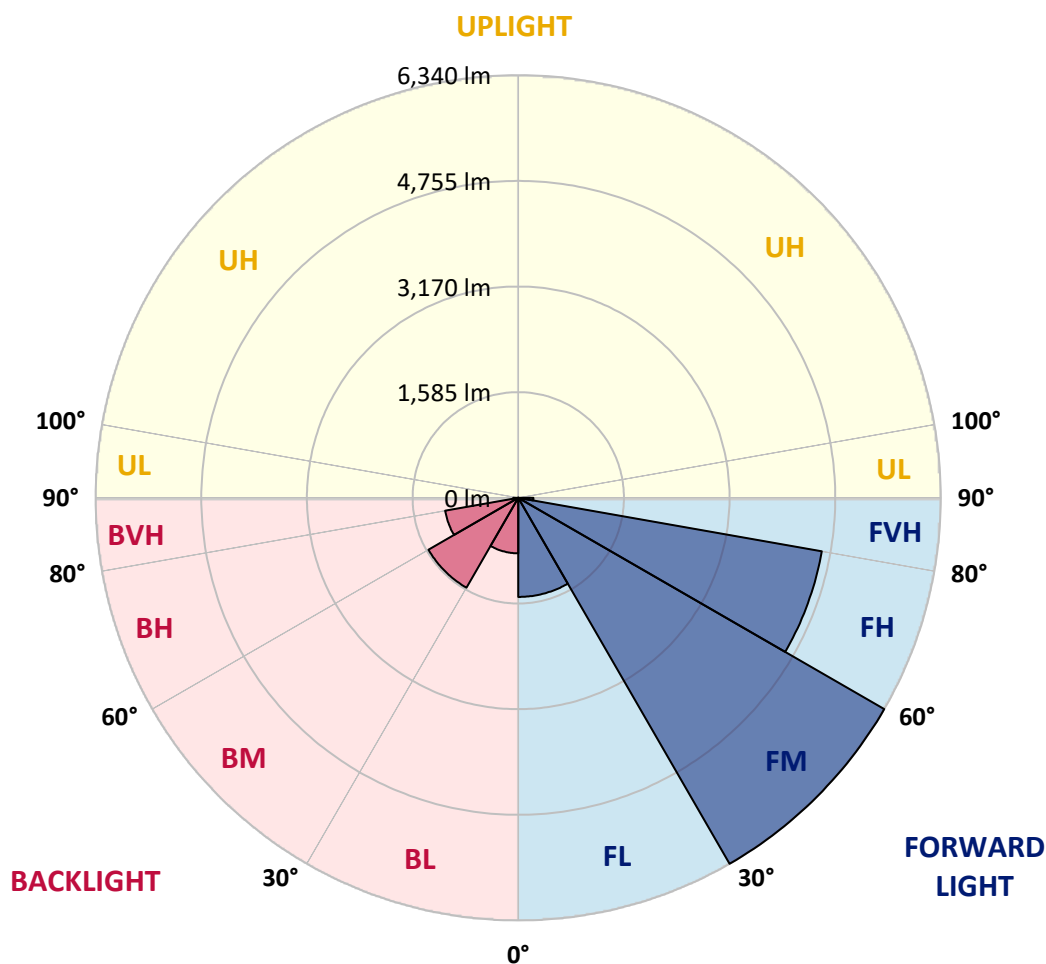
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1486.9 | 9.1       |                         |      |         |
| FM   | (30°-60°)   | 6339.8 | 39.0      |                         |      |         |
| FH   | (60°-80°)   | 4624.0 | 28.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 227.3  | 1.4       |                         |      | G3/500  |
| BL   | (0°-30°)    | 833.2  | 5.1       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1555.6 | 9.6       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1113.8 | 6.9       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 74.4   | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°     | 79°     |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0°    | 3263.0 | 3263.0 | 3263.0 | 3263.0 | 3263.0 | 3263.0 | 3263.0 | 3263.0 | 3263.0  | 3263.0  |
| 2.5°  | 3264.8 | 3249.3 | 3258.7 | 3255.3 | 3259.6 | 3264.8 | 3266.5 | 3269.1 | 3277.7  | 3276.8  |
| 5°    | 3257.9 | 3242.4 | 3255.3 | 3251.0 | 3262.2 | 3274.2 | 3284.5 | 3294.0 | 3307.7  | 3313.8  |
| 7.5°  | 3243.3 | 3232.9 | 3245.8 | 3258.7 | 3279.4 | 3297.4 | 3312.0 | 3333.5 | 3353.3  | 3356.8  |
| 10°   | 3158.1 | 3150.4 | 3180.5 | 3214.0 | 3270.8 | 3319.8 | 3351.6 | 3376.5 | 3398.0  | 3401.5  |
| 12.5° | 3069.6 | 3060.1 | 3093.7 | 3139.2 | 3231.2 | 3319.8 | 3386.9 | 3419.5 | 3438.4  | 3449.6  |
| 15°   | 3055.0 | 3047.2 | 3066.1 | 3105.7 | 3182.2 | 3296.6 | 3410.9 | 3471.1 | 3487.5  | 3500.3  |
| 17.5° | 3125.5 | 3110.8 | 3118.6 | 3132.3 | 3177.1 | 3275.1 | 3429.8 | 3529.6 | 3554.5  | 3568.3  |
| 20°   | 3288.8 | 3268.2 | 3256.2 | 3228.6 | 3220.9 | 3278.5 | 3428.1 | 3600.1 | 3632.8  | 3650.0  |
| 22.5° | 3506.4 | 3492.6 | 3466.8 | 3397.2 | 3321.5 | 3320.6 | 3460.8 | 3690.4 | 3751.4  | 3767.8  |
| 25°   | 3769.5 | 3748.8 | 3716.2 | 3621.6 | 3476.3 | 3404.0 | 3515.8 | 3805.6 | 3907.9  | 3912.2  |
| 27.5° | 4072.1 | 4041.2 | 3996.5 | 3871.8 | 3675.8 | 3534.7 | 3600.1 | 3938.0 | 4087.6  | 4085.9  |
| 30°   | 4391.1 | 4360.2 | 4312.9 | 4161.6 | 3914.8 | 3711.0 | 3717.0 | 4080.7 | 4300.8  | 4291.4  |
| 32.5° | 4624.1 | 4600.9 | 4591.5 | 4474.5 | 4189.9 | 3919.1 | 3851.2 | 4238.9 | 4564.0  | 4555.4  |
| 35°   | 4803.0 | 4772.9 | 4784.1 | 4724.7 | 4490.0 | 4152.1 | 4015.4 | 4427.2 | 4883.8  | 4882.9  |
| 37.5° | 4980.1 | 4953.5 | 4962.9 | 4923.4 | 4767.7 | 4447.9 | 4215.7 | 4657.7 | 5280.2  | 5299.1  |
| 40°   | 5141.8 | 5113.4 | 5151.2 | 5114.2 | 4983.5 | 4762.6 | 4443.6 | 4918.2 | 5739.3  | 5775.4  |
| 42.5° | 5238.9 | 5216.6 | 5279.3 | 5280.2 | 5171.0 | 5028.3 | 4693.8 | 5205.4 | 6270.7  | 6351.5  |
| 45°   | 5272.4 | 5264.7 | 5359.3 | 5379.1 | 5336.9 | 5182.2 | 4919.1 | 5518.4 | 6843.3  | 6987.8  |
| 47.5° | 5236.3 | 5221.7 | 5352.4 | 5425.5 | 5459.0 | 5254.4 | 5105.6 | 5857.1 | 7428.0  | 7639.5  |
| 50°   | 5054.1 | 5025.7 | 5220.0 | 5373.9 | 5493.4 | 5301.7 | 5293.9 | 6248.3 | 8092.7  | 8324.0  |
| 52.5° | 4726.5 | 4705.0 | 4925.9 | 5193.3 | 5417.8 | 5324.9 | 5505.5 | 6675.7 | 8723.8  | 9023.0  |
| 55°   | 4307.7 | 4279.4 | 4522.7 | 4871.8 | 5229.5 | 5317.2 | 5717.0 | 7153.7 | 9468.4  | 9771.9  |
| 57.5° | 3643.9 | 3587.2 | 3895.0 | 4307.7 | 4922.5 | 5307.7 | 5937.1 | 7629.2 | 10225.0 | 10588.7 |
| 60°   | 2675.8 | 2591.5 | 2969.0 | 3458.2 | 4322.3 | 5215.7 | 6209.7 | 8162.3 | 11133.0 | 11460.6 |
| 62.5° | 1558.0 | 1509.0 | 1755.8 | 2212.3 | 3257.9 | 4674.0 | 6362.7 | 8782.3 | 12025.5 | 12369.4 |
| 65°   | 1209.8 | 1196.0 | 1217.5 | 1252.8 | 1813.4 | 3499.5 | 5890.7 | 9386.7 | 13160.5 | 13401.2 |
| 67.5° | 1106.6 | 1096.3 | 1105.7 | 1039.5 | 920.0  | 1949.2 | 4660.3 | 9539.8 | 14376.3 | 14522.4 |
| 70°   | 983.6  | 971.6  | 1002.6 | 945.8  | 724.0  | 886.5  | 3011.1 | 8984.3 | 15343.6 | 15617.9 |
| 72.5° | 801.4  | 787.6  | 859.8  | 834.0  | 609.6  | 569.2  | 1512.4 | 7664.5 | 15242.1 | 15811.3 |
| 75°   | 615.6  | 607.9  | 693.9  | 715.4  | 497.0  | 448.0  | 725.7  | 5697.2 | 13413.3 | 13986.8 |
| 77.5° | 478.1  | 472.0  | 515.9  | 594.1  | 400.7  | 347.4  | 446.2  | 3613.8 | 10108.1 | 10208.7 |
| 80°   | 358.5  | 341.4  | 381.8  | 460.0  | 312.1  | 253.6  | 302.7  | 2107.4 | 6389.4  | 5791.8  |
| 82.5° | 224.4  | 215.8  | 249.3  | 307.0  | 220.1  | 174.5  | 196.9  | 1164.2 | 2560.6  | 1508.1  |
| 85°   | 128.1  | 124.7  | 135.9  | 175.4  | 119.5  | 100.6  | 112.6  | 514.2  | 467.7   | 321.6   |
| 87.5° | 51.6   | 49.9   | 61.9   | 78.2   | 43.9   | 37.0   | 39.6   | 123.8  | 103.2   | 95.4    |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3263.0  | 0°    | 3263.0  | 3263.0 | 3263.0 | 3263.0 | 3263.0 | 3263.0 | 3263.0 | 3263.0 | 3263.0 | 3263.0 |
| 3275.9  | 2.5°  | 3272.5  | 3272.5 | 3260.5 | 3241.5 | 3220.0 | 3206.3 | 3183.9 | 3177.9 | 3154.7 | 3147.8 |
| 3305.2  | 5°    | 3312.0  | 3305.2 | 3268.2 | 3214.9 | 3141.8 | 3074.7 | 3000.8 | 2954.4 | 2889.0 | 2865.8 |
| 3362.8  | 7.5°  | 3361.9  | 3343.0 | 3279.4 | 3162.4 | 3009.4 | 2858.9 | 2702.4 | 2583.8 | 2470.3 | 2429.9 |
| 3410.1  | 10°   | 3407.5  | 3380.8 | 3272.5 | 3067.9 | 2803.0 | 2542.5 | 2293.2 | 2118.6 | 1986.2 | 1932.0 |
| 3462.5  | 12.5° | 3453.1  | 3404.0 | 3226.9 | 2910.5 | 2509.8 | 2156.4 | 1890.8 | 1754.9 | 1673.2 | 1607.9 |
| 3505.5  | 15°   | 3496.0  | 3427.3 | 3156.4 | 2699.9 | 2188.3 | 1829.7 | 1633.7 | 1525.3 | 1460.0 | 1417.0 |
| 3568.3  | 17.5° | 3545.9  | 3447.0 | 3050.7 | 2432.4 | 1882.2 | 1603.6 | 1443.6 | 1378.3 | 1365.4 | 1360.2 |
| 3654.3  | 20°   | 3615.6  | 3465.1 | 2911.4 | 2133.2 | 1656.9 | 1423.0 | 1340.5 | 1334.4 | 1333.6 | 1331.0 |
| 3757.4  | 22.5° | 3690.4  | 3486.6 | 2727.4 | 1861.5 | 1465.1 | 1310.4 | 1295.8 | 1283.7 | 1276.0 | 1275.1 |
| 3882.1  | 25°   | 3778.9  | 3493.5 | 2496.9 | 1638.8 | 1301.8 | 1257.1 | 1239.9 | 1221.8 | 1216.7 | 1216.7 |
| 4024.0  | 27.5° | 3864.9  | 3470.3 | 2228.7 | 1445.4 | 1209.8 | 1208.1 | 1185.7 | 1179.7 | 1178.8 | 1181.4 |
| 4185.6  | 30°   | 3950.9  | 3426.4 | 1962.1 | 1266.5 | 1156.5 | 1156.5 | 1148.7 | 1153.0 | 1156.5 | 1165.1 |
| 4407.5  | 32.5° | 4067.0  | 3380.0 | 1739.4 | 1134.1 | 1110.0 | 1101.4 | 1109.2 | 1117.8 | 1121.2 | 1132.4 |
| 4698.9  | 35°   | 4237.2  | 3347.3 | 1562.3 | 1061.9 | 1061.9 | 1050.7 | 1055.0 | 1053.3 | 1045.5 | 1040.4 |
| 5051.5  | 37.5° | 4462.5  | 3345.6 | 1416.1 | 1028.4 | 1021.5 | 1019.8 | 1020.6 | 1009.4 | 979.3  | 943.2  |
| 5477.9  | 40°   | 4733.3  | 3392.0 | 1303.5 | 1005.1 | 1000.0 | 1010.3 | 1005.1 | 975.0  | 892.5  | 829.7  |
| 6002.4  | 42.5° | 5097.0  | 3524.4 | 1231.3 | 976.8  | 992.2  | 1005.1 | 984.5  | 880.5  | 824.6  | 782.4  |
| 6600.0  | 45°   | 5525.2  | 3739.4 | 1194.3 | 946.7  | 977.6  | 993.1  | 893.4  | 847.8  | 803.1  | 752.3  |
| 7251.8  | 47.5° | 6010.2  | 4010.2 | 1185.7 | 918.3  | 944.9  | 954.4  | 854.7  | 834.0  | 783.3  | 728.3  |
| 7907.0  | 50°   | 6538.1  | 4330.9 | 1208.9 | 884.8  | 897.7  | 865.0  | 841.8  | 822.9  | 770.4  | 716.2  |
| 8578.5  | 52.5° | 7084.1  | 4684.3 | 1255.3 | 839.2  | 850.4  | 814.3  | 836.6  | 820.3  | 762.7  | 689.6  |
| 9272.4  | 55°   | 7620.6  | 5040.3 | 1300.1 | 785.9  | 802.2  | 768.7  | 822.0  | 810.0  | 727.4  | 644.9  |
| 10012.7 | 57.5° | 8165.8  | 5394.5 | 1343.9 | 738.6  | 755.8  | 724.8  | 798.8  | 782.4  | 687.9  | 603.6  |
| 10820.9 | 60°   | 8732.4  | 5738.5 | 1364.5 | 693.0  | 705.1  | 684.4  | 763.5  | 735.2  | 643.1  | 561.5  |
| 11615.4 | 62.5° | 9262.9  | 6024.8 | 1331.0 | 647.4  | 655.2  | 646.6  | 717.1  | 679.3  | 598.4  | 514.2  |
| 12443.4 | 65°   | 9795.1  | 6195.0 | 1227.8 | 602.7  | 604.5  | 600.2  | 651.7  | 619.1  | 546.0  | 472.9  |
| 13168.2 | 67.5° | 10277.5 | 6290.5 | 1063.6 | 554.6  | 550.3  | 548.6  | 590.7  | 553.7  | 495.3  | 431.6  |
| 13719.4 | 70°   | 10379.8 | 6048.0 | 812.5  | 497.8  | 497.8  | 493.5  | 523.6  | 485.8  | 439.4  | 387.8  |
| 13324.7 | 72.5° | 9480.4  | 5087.6 | 576.9  | 433.4  | 440.2  | 431.6  | 456.6  | 424.8  | 382.6  | 348.2  |
| 11483.8 | 75°   | 7644.7  | 3730.8 | 419.6  | 367.1  | 379.2  | 364.6  | 387.8  | 365.4  | 329.3  | 328.5  |
| 7913.8  | 77.5° | 5252.7  | 2306.9 | 304.4  | 302.7  | 311.3  | 292.3  | 319.0  | 307.0  | 274.3  | 259.7  |
| 3444.5  | 80°   | 2241.6  | 920.0  | 221.8  | 233.9  | 233.9  | 216.7  | 247.6  | 251.1  | 222.7  | 215.8  |
| 664.6   | 82.5° | 446.2   | 261.4  | 155.6  | 160.8  | 151.3  | 146.2  | 175.4  | 194.3  | 268.3  | 298.4  |
| 200.3   | 85°   | 134.1   | 96.3   | 93.7   | 87.7   | 77.4   | 78.2   | 103.2  | 195.2  | 240.8  | 137.6  |
| 66.2    | 87.5° | 37.0    | 24.1   | 24.9   | 19.8   | 16.3   | 21.5   | 35.3   | 147.9  | 80.8   | 34.4   |
| 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°   |
|--------|
| 3263.0 |
| 3159.0 |
| 2883.0 |
| 2435.0 |
| 1944.1 |
| 1629.4 |
| 1424.7 |
| 1363.7 |
| 1339.6 |
| 1284.6 |
| 1221.8 |
| 1188.3 |
| 1171.1 |
| 1141.8 |
| 1052.4 |
| 944.1  |
| 828.0  |
| 780.7  |
| 748.9  |
| 724.0  |
| 710.2  |
| 684.4  |
| 640.6  |
| 601.9  |
| 558.9  |
| 513.3  |
| 467.7  |
| 426.5  |
| 386.1  |
| 337.9  |
| 295.8  |
| 243.3  |
| 215.8  |
| 299.2  |
| 118.7  |
| 29.2   |
| 0.0    |