

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: P949309

Luminaire Tested: **GLAN-SB4A-835-U-SL2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P949309  
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-SB4A-835-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16574 lumens  
Efficiency: N/A  
Efficacy: 145.4 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): 114  
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



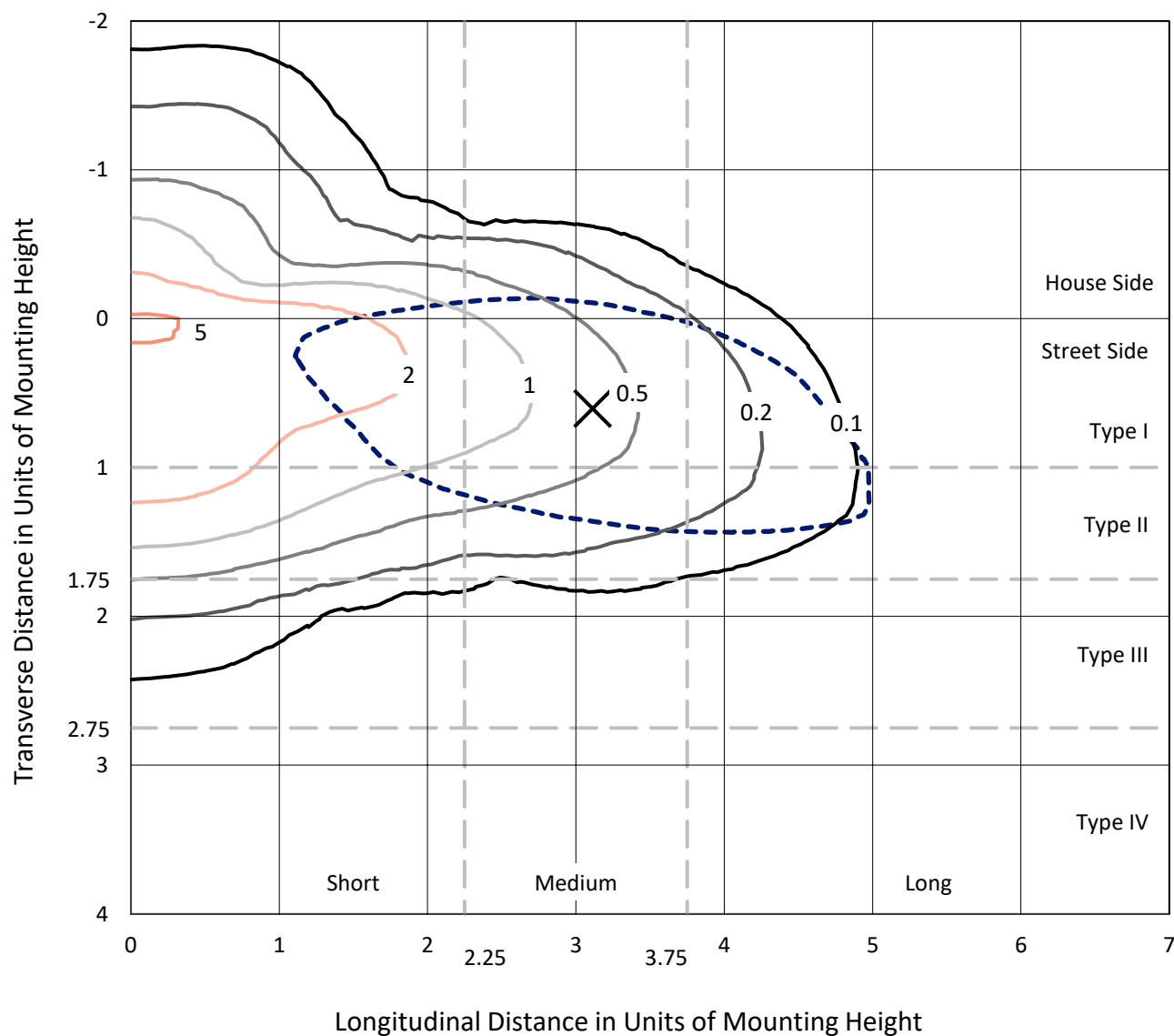
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

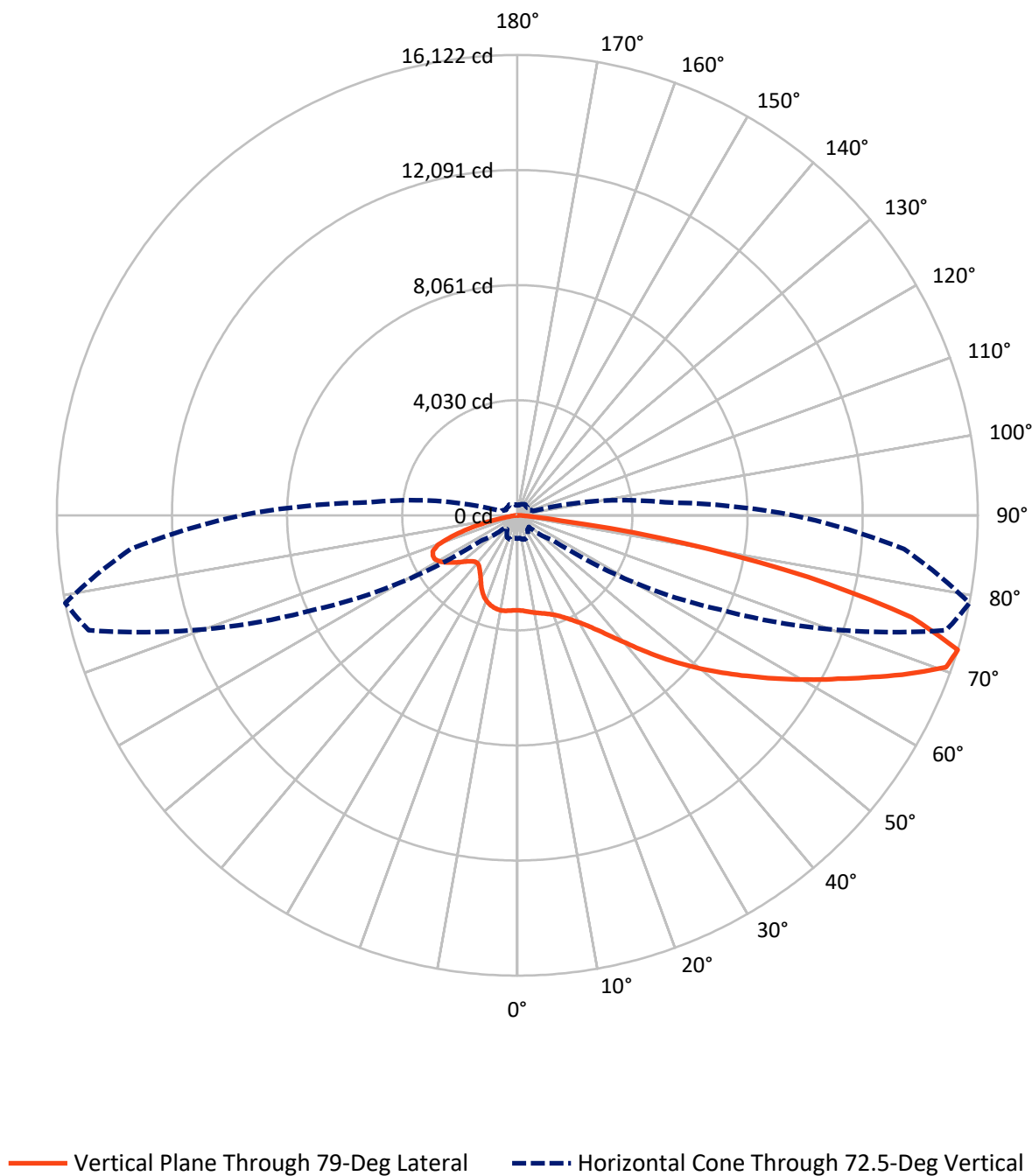
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc  
 Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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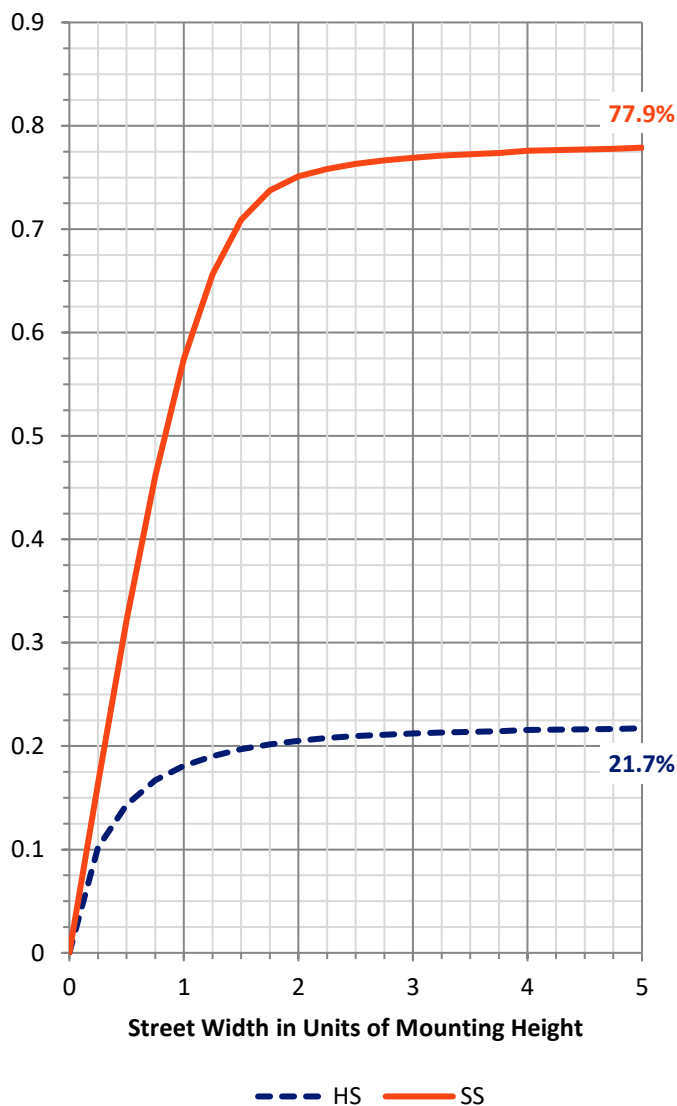
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3647.2   | 0.0    | 3647.2  |
|                    | % Fixture | 22.0     | 0.0    | 22.0    |
| <b>Street Side</b> | Lumens    | 12926.8  | 0.0    | 12926.8 |
|                    | % Fixture | 78.0     | 0.0    | 78.0    |
| <b>Total</b>       | Lumens    | 16574.0  | 0.0    | 16574.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 302.0   | 1.8       |
| 10°-20°   | 789.6   | 4.8       |
| 20°-30°   | 1274.1  | 7.7       |
| 30°-40°   | 1912.2  | 11.5      |
| 40°-50°   | 2712.6  | 16.4      |
| 50°-60°   | 3425.6  | 20.7      |
| 60°-70°   | 3479.2  | 21.0      |
| 70°-80°   | 2371.2  | 14.3      |
| 80°-90°   | 307.6   | 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°    | 16574.0 | 100.0     |
| 0°-180°   | 16574.0 | 100.0     |

**Coefficient of Utilization**



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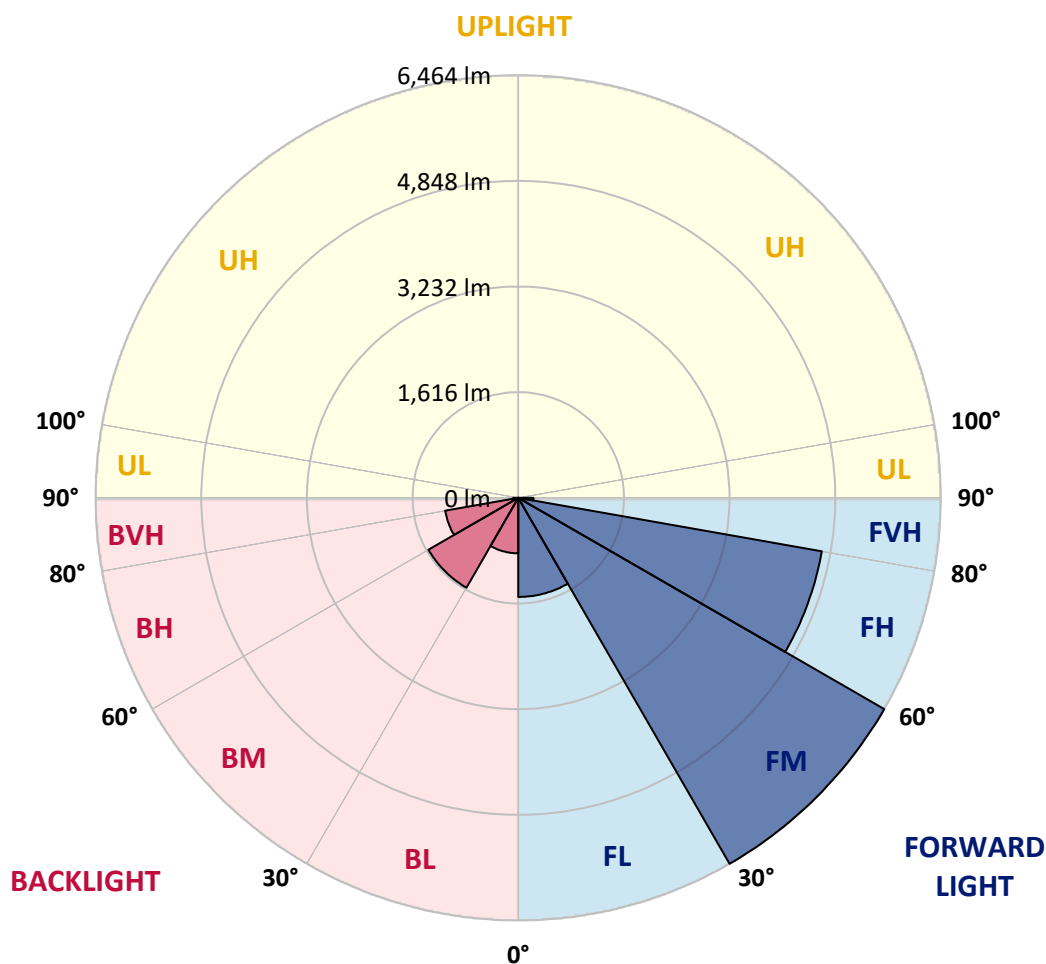
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1516.1 | 9.1       |                         |      |         |
| FM   | (30°-60°)   | 6464.2 | 39.0      |                         |      |         |
| FH   | (60°-80°)   | 4714.7 | 28.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 231.7  | 1.4       |                         |      | G3/500  |
| BL   | (0°-30°)    | 849.5  | 5.1       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1586.1 | 9.6       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1135.6 | 6.9       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 75.9   | 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°    | 3327.1 | 3327.1 | 3327.1 | 3327.1 | 3327.1 | 3327.1 | 3327.1 | 3327.1 | 3327.1  | 3327.1  |
| 2.5°  | 3328.8 | 3313.0 | 3322.7 | 3319.2 | 3323.6 | 3328.8 | 3330.6 | 3333.2 | 3342.0  | 3341.1  |
| 5°    | 3321.8 | 3306.0 | 3319.2 | 3314.8 | 3326.2 | 3338.5 | 3349.0 | 3358.6 | 3372.7  | 3378.8  |
| 7.5°  | 3306.9 | 3296.4 | 3309.5 | 3322.7 | 3343.7 | 3362.1 | 3377.0 | 3399.0 | 3419.1  | 3422.6  |
| 10°   | 3220.1 | 3212.2 | 3242.9 | 3277.1 | 3335.0 | 3384.9 | 3417.4 | 3442.8 | 3464.7  | 3468.2  |
| 12.5° | 3129.8 | 3120.2 | 3154.4 | 3200.8 | 3294.6 | 3384.9 | 3453.3 | 3486.6 | 3505.9  | 3517.3  |
| 15°   | 3114.9 | 3107.0 | 3126.3 | 3166.6 | 3244.7 | 3361.3 | 3477.9 | 3539.2 | 3555.9  | 3569.0  |
| 17.5° | 3186.8 | 3171.9 | 3179.8 | 3193.8 | 3239.4 | 3339.3 | 3497.2 | 3598.8 | 3624.3  | 3638.3  |
| 20°   | 3353.4 | 3332.3 | 3320.1 | 3292.0 | 3284.1 | 3342.9 | 3495.4 | 3670.7 | 3704.1  | 3721.6  |
| 22.5° | 3575.2 | 3561.2 | 3534.9 | 3463.8 | 3386.7 | 3385.8 | 3528.7 | 3762.8 | 3825.0  | 3841.7  |
| 25°   | 3843.4 | 3822.4 | 3789.1 | 3692.7 | 3544.5 | 3470.9 | 3584.8 | 3880.3 | 3984.6  | 3989.0  |
| 27.5° | 4152.0 | 4120.5 | 4074.9 | 3947.8 | 3747.9 | 3604.1 | 3670.7 | 4015.3 | 4167.8  | 4166.1  |
| 30°   | 4477.3 | 4445.7 | 4397.5 | 4243.2 | 3991.6 | 3783.8 | 3790.0 | 4160.8 | 4385.2  | 4375.6  |
| 32.5° | 4714.9 | 4691.2 | 4681.6 | 4562.3 | 4272.2 | 3996.0 | 3926.7 | 4322.1 | 4653.5  | 4644.8  |
| 35°   | 4897.2 | 4866.6 | 4878.0 | 4817.5 | 4578.1 | 4233.6 | 4094.2 | 4514.1 | 4979.7  | 4978.8  |
| 37.5° | 5077.8 | 5050.7 | 5060.3 | 5020.0 | 4861.3 | 4535.2 | 4298.5 | 4749.1 | 5383.8  | 5403.1  |
| 40°   | 5242.7 | 5213.7 | 5252.3 | 5214.6 | 5081.3 | 4856.0 | 4530.8 | 5014.7 | 5852.0  | 5888.8  |
| 42.5° | 5341.7 | 5318.9 | 5382.9 | 5383.8 | 5272.5 | 5126.9 | 4785.9 | 5307.5 | 6393.8  | 6476.2  |
| 45°   | 5375.9 | 5368.0 | 5464.5 | 5484.6 | 5441.7 | 5283.9 | 5015.6 | 5626.7 | 6977.6  | 7124.9  |
| 47.5° | 5339.1 | 5324.2 | 5457.5 | 5532.0 | 5566.2 | 5357.5 | 5205.8 | 5972.1 | 7573.8  | 7789.5  |
| 50°   | 5153.2 | 5124.3 | 5322.4 | 5479.4 | 5601.2 | 5405.7 | 5397.8 | 6371.0 | 8251.5  | 8487.3  |
| 52.5° | 4819.2 | 4797.3 | 5022.6 | 5295.3 | 5524.1 | 5429.4 | 5613.5 | 6806.7 | 8895.0  | 9200.1  |
| 55°   | 4392.3 | 4363.3 | 4611.4 | 4967.4 | 5332.1 | 5421.5 | 5829.2 | 7294.1 | 9654.2  | 9963.7  |
| 57.5° | 3715.5 | 3657.6 | 3971.4 | 4392.3 | 5019.1 | 5411.9 | 6053.6 | 7779.0 | 10425.7 | 10796.5 |
| 60°   | 2728.3 | 2642.4 | 3027.2 | 3526.1 | 4407.2 | 5318.1 | 6331.5 | 8322.5 | 11351.5 | 11685.5 |
| 62.5° | 1588.6 | 1538.6 | 1790.2 | 2255.7 | 3321.8 | 4765.7 | 6487.6 | 8954.6 | 12261.5 | 12612.2 |
| 65°   | 1233.5 | 1219.5 | 1241.4 | 1277.4 | 1849.0 | 3568.2 | 6006.3 | 9570.9 | 13418.8 | 13664.2 |
| 67.5° | 1128.3 | 1117.8 | 1127.4 | 1059.9 | 938.1  | 1987.5 | 4751.7 | 9727.0 | 14658.4 | 14807.4 |
| 70°   | 1002.9 | 990.7  | 1022.2 | 964.4  | 738.2  | 903.9  | 3070.2 | 9160.6 | 15644.7 | 15924.4 |
| 72.5° | 817.1  | 803.1  | 876.7  | 850.4  | 621.6  | 580.4  | 1542.1 | 7814.9 | 15541.2 | 16121.6 |
| 75°   | 627.7  | 619.8  | 707.5  | 729.4  | 506.7  | 456.8  | 739.9  | 5809.0 | 13676.5 | 14261.3 |
| 77.5° | 487.4  | 481.3  | 526.0  | 605.8  | 408.5  | 354.2  | 455.0  | 3684.8 | 10306.5 | 10409.0 |
| 80°   | 365.6  | 348.0  | 389.3  | 469.0  | 318.2  | 258.6  | 308.6  | 2148.8 | 6514.8  | 5905.4  |
| 82.5° | 228.8  | 220.1  | 254.2  | 313.0  | 224.4  | 178.0  | 200.8  | 1187.1 | 2610.8  | 1537.7  |
| 85°   | 130.6  | 127.1  | 138.5  | 178.8  | 121.9  | 102.6  | 114.8  | 524.3  | 476.9   | 327.9   |
| 87.5° | 52.6   | 50.8   | 63.1   | 79.8   | 44.7   | 37.7   | 40.3   | 126.2  | 105.2   | 97.3    |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3327.1  | 0°    | 3327.1  | 3327.1 | 3327.1 | 3327.1 | 3327.1 | 3327.1 | 3327.1 | 3327.1 | 3327.1 | 3327.1 |
| 3340.2  | 2.5°  | 3336.7  | 3336.7 | 3324.4 | 3305.2 | 3283.2 | 3269.2 | 3246.4 | 3240.3 | 3216.6 | 3209.6 |
| 3370.0  | 5°    | 3377.0  | 3370.0 | 3332.3 | 3278.0 | 3203.5 | 3135.1 | 3059.7 | 3012.3 | 2945.7 | 2922.0 |
| 3428.8  | 7.5°  | 3427.9  | 3408.6 | 3343.7 | 3224.5 | 3068.4 | 2915.0 | 2755.5 | 2634.5 | 2518.8 | 2477.6 |
| 3477.0  | 10°   | 3474.4  | 3447.2 | 3336.7 | 3128.1 | 2858.0 | 2592.4 | 2338.2 | 2160.2 | 2025.2 | 1969.9 |
| 3530.5  | 12.5° | 3520.8  | 3470.9 | 3290.3 | 2967.6 | 2559.1 | 2198.8 | 1927.9 | 1789.3 | 1706.1 | 1639.4 |
| 3574.3  | 15°   | 3564.7  | 3494.5 | 3218.4 | 2752.8 | 2231.2 | 1865.6 | 1665.7 | 1555.3 | 1488.6 | 1444.8 |
| 3638.3  | 17.5° | 3615.5  | 3514.7 | 3110.5 | 2480.2 | 1919.1 | 1635.0 | 1472.0 | 1405.3 | 1392.2 | 1386.9 |
| 3726.0  | 20°   | 3686.5  | 3533.1 | 2968.5 | 2175.1 | 1689.4 | 1450.9 | 1366.8 | 1360.6 | 1359.8 | 1357.1 |
| 3831.2  | 22.5° | 3762.8  | 3555.0 | 2780.9 | 1898.1 | 1493.9 | 1336.1 | 1321.2 | 1308.9 | 1301.0 | 1300.1 |
| 3958.3  | 25°   | 3853.1  | 3562.0 | 2545.9 | 1671.0 | 1327.3 | 1281.7 | 1264.2 | 1245.8 | 1240.5 | 1240.5 |
| 4103.0  | 27.5° | 3940.8  | 3538.4 | 2272.4 | 1473.7 | 1233.5 | 1231.8 | 1209.0 | 1202.8 | 1202.0 | 1204.6 |
| 4267.8  | 30°   | 4028.4  | 3493.6 | 2000.6 | 1291.4 | 1179.2 | 1179.2 | 1171.3 | 1175.7 | 1179.2 | 1187.9 |
| 4494.0  | 32.5° | 4146.8  | 3446.3 | 1773.6 | 1156.4 | 1131.8 | 1123.1 | 1130.9 | 1139.7 | 1143.2 | 1154.6 |
| 4791.2  | 35°   | 4320.4  | 3413.0 | 1593.0 | 1082.7 | 1082.7 | 1071.3 | 1075.7 | 1074.0 | 1066.1 | 1060.8 |
| 5150.6  | 37.5° | 4550.1  | 3411.2 | 1443.9 | 1048.5 | 1041.5 | 1039.8 | 1040.6 | 1029.2 | 998.6  | 961.7  |
| 5585.4  | 40°   | 4826.2  | 3458.6 | 1329.1 | 1024.9 | 1019.6 | 1030.1 | 1024.9 | 994.2  | 910.0  | 846.0  |
| 6120.2  | 42.5° | 5197.1  | 3593.6 | 1255.4 | 995.9  | 1011.7 | 1024.9 | 1003.8 | 897.7  | 840.8  | 797.8  |
| 6729.5  | 45°   | 5633.7  | 3812.8 | 1217.7 | 965.2  | 996.8  | 1012.6 | 910.9  | 864.4  | 818.8  | 767.1  |
| 7394.1  | 47.5° | 6128.1  | 4088.9 | 1209.0 | 936.3  | 963.5  | 973.1  | 871.4  | 850.4  | 798.7  | 742.6  |
| 8062.1  | 50°   | 6666.4  | 4415.9 | 1232.6 | 902.1  | 915.3  | 882.0  | 858.3  | 839.0  | 785.5  | 730.3  |
| 8746.8  | 52.5° | 7223.1  | 4776.3 | 1280.0 | 855.7  | 867.1  | 830.2  | 853.0  | 836.4  | 777.6  | 703.1  |
| 9454.3  | 55°   | 7770.2  | 5139.2 | 1325.6 | 801.3  | 818.0  | 783.8  | 838.1  | 825.9  | 741.7  | 657.5  |
| 10209.2 | 57.5° | 8326.0  | 5500.4 | 1370.3 | 753.1  | 770.6  | 739.1  | 814.5  | 797.8  | 701.4  | 615.4  |
| 11033.3 | 60°   | 8903.8  | 5851.1 | 1391.3 | 706.6  | 718.9  | 697.9  | 778.5  | 749.6  | 655.8  | 572.5  |
| 11843.3 | 62.5° | 9444.7  | 6143.0 | 1357.1 | 660.2  | 668.0  | 659.3  | 731.2  | 692.6  | 610.2  | 524.3  |
| 12687.6 | 65°   | 9987.4  | 6316.6 | 1251.9 | 614.6  | 616.3  | 611.9  | 664.5  | 631.2  | 556.7  | 482.2  |
| 13426.6 | 67.5° | 10479.2 | 6413.9 | 1084.5 | 565.5  | 561.1  | 559.3  | 602.3  | 564.6  | 505.0  | 440.1  |
| 13988.6 | 70°   | 10583.5 | 6166.7 | 828.5  | 507.6  | 507.6  | 503.2  | 533.9  | 495.3  | 448.0  | 395.4  |
| 13586.2 | 72.5° | 9666.5  | 5187.4 | 588.3  | 441.9  | 448.9  | 440.1  | 465.5  | 433.1  | 390.1  | 355.1  |
| 11709.2 | 75°   | 7794.7  | 3804.0 | 427.8  | 374.4  | 386.6  | 371.7  | 395.4  | 372.6  | 335.8  | 334.9  |
| 8069.1  | 77.5° | 5355.8  | 2352.2 | 310.4  | 308.6  | 317.4  | 298.1  | 325.3  | 313.0  | 279.7  | 264.8  |
| 3512.1  | 80°   | 2285.6  | 938.1  | 226.2  | 238.5  | 238.5  | 220.9  | 252.5  | 256.0  | 227.1  | 220.1  |
| 677.7   | 82.5° | 455.0   | 266.5  | 158.7  | 163.9  | 154.3  | 149.0  | 178.8  | 198.1  | 273.5  | 304.2  |
| 204.3   | 85°   | 136.8   | 98.2   | 95.6   | 89.4   | 78.9   | 79.8   | 105.2  | 199.0  | 245.5  | 140.3  |
| 67.5    | 87.5° | 37.7    | 24.5   | 25.4   | 20.2   | 16.7   | 21.9   | 35.9   | 150.8  | 82.4   | 35.1   |
| 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°   |
|--------|
| 3327.1 |
| 3221.0 |
| 2939.6 |
| 2482.8 |
| 1982.2 |
| 1661.3 |
| 1452.7 |
| 1390.4 |
| 1365.9 |
| 1309.8 |
| 1245.8 |
| 1211.6 |
| 1194.1 |
| 1164.3 |
| 1073.1 |
| 962.6  |
| 844.3  |
| 796.0  |
| 763.6  |
| 738.2  |
| 724.2  |
| 697.9  |
| 653.1  |
| 613.7  |
| 569.9  |
| 523.4  |
| 476.9  |
| 434.8  |
| 393.6  |
| 344.5  |
| 301.6  |
| 248.1  |
| 220.1  |
| 305.1  |
| 121.0  |
| 29.8   |
| 0.0    |