

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: P946975

Luminaire Tested: **GLAN-SB2C-722-U-AFL**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P946975  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2C-722-U-AFL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 12583 lumens  
Efficiency: N/A  
Efficacy: 124.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 100.9  
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

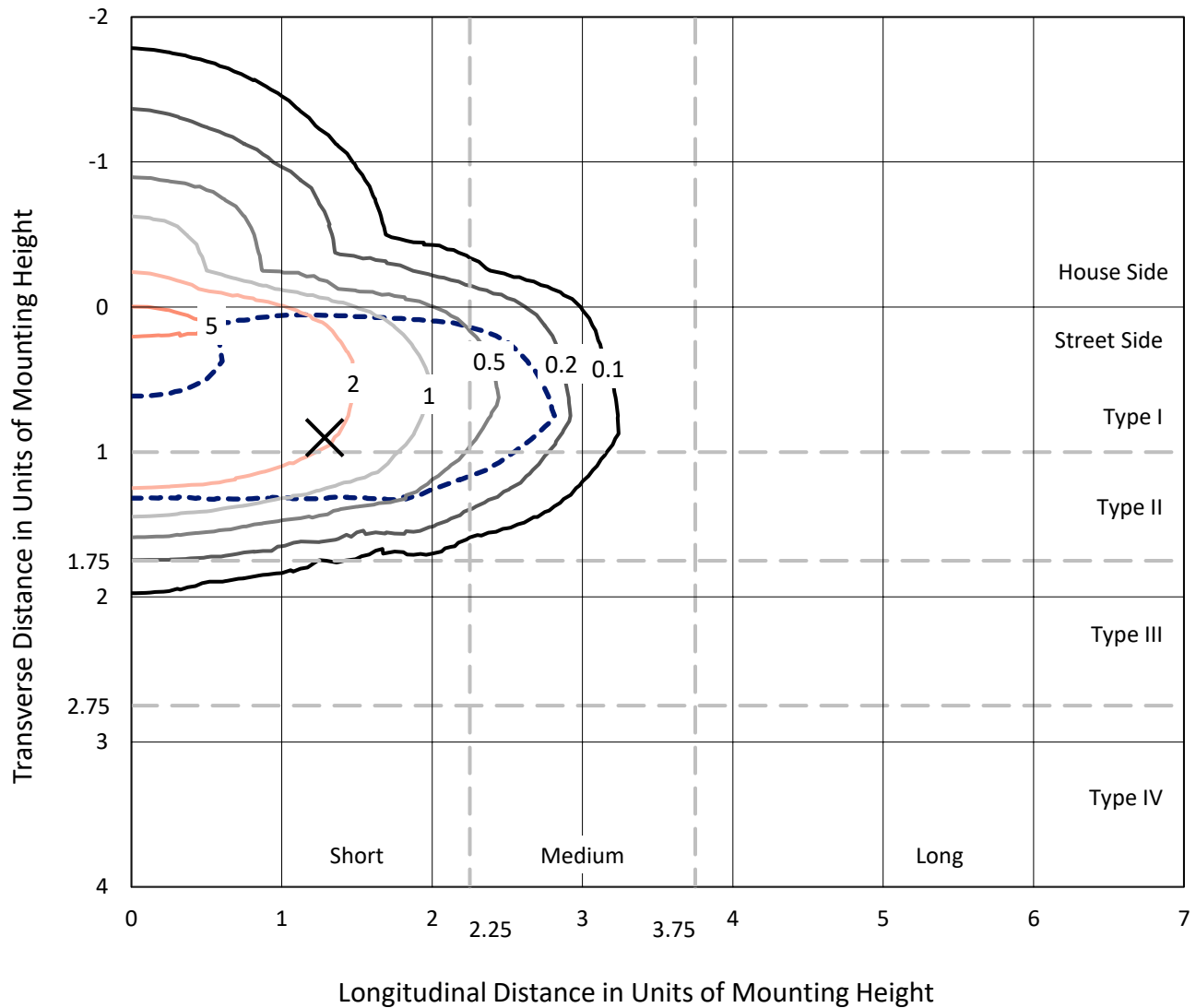


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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

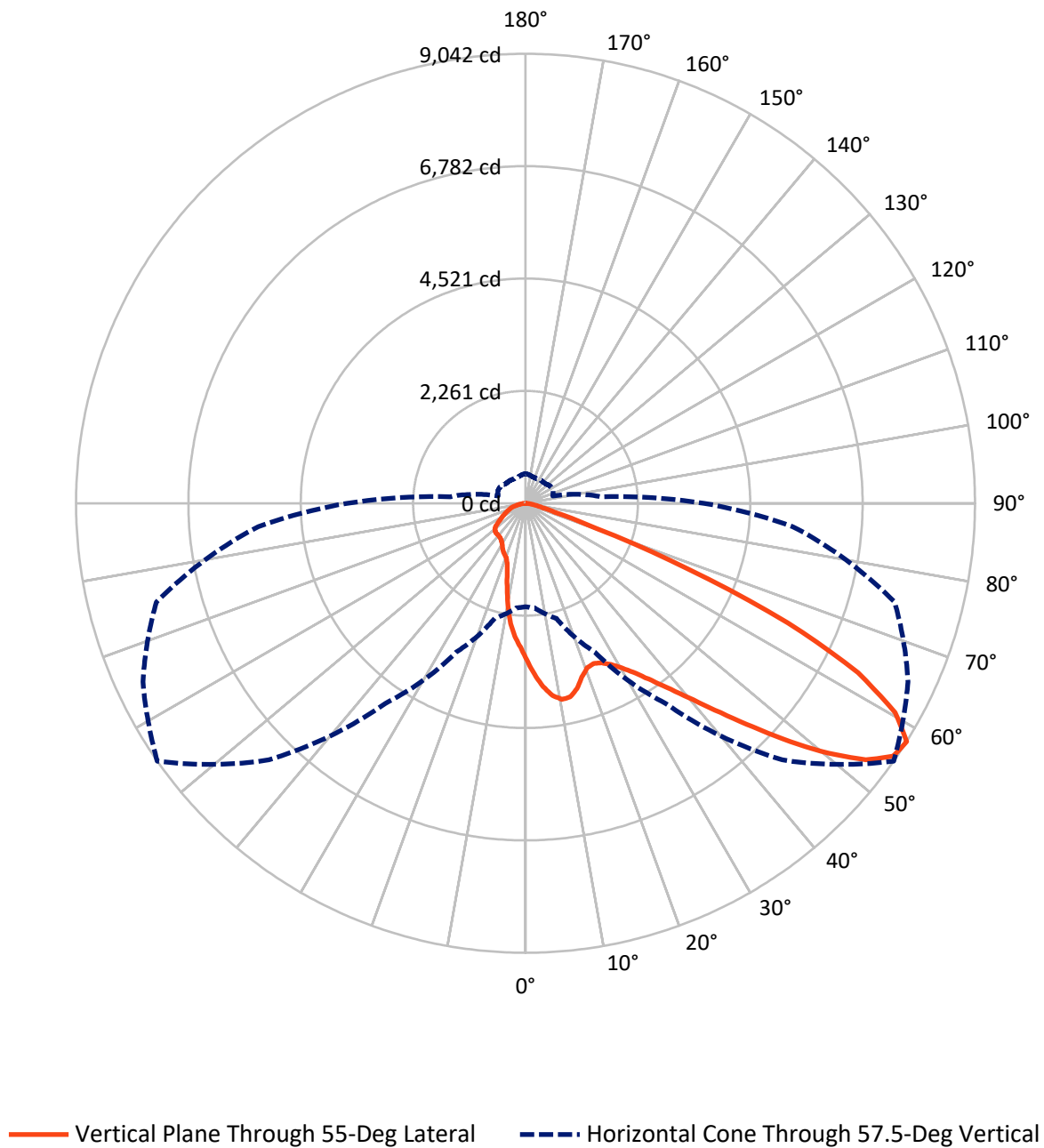


Based on 25 foot mounting height. Maximum calculated value = 6.1 fc  
 Type II - Short - N/A

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## Luminous Intensity Polar Plot



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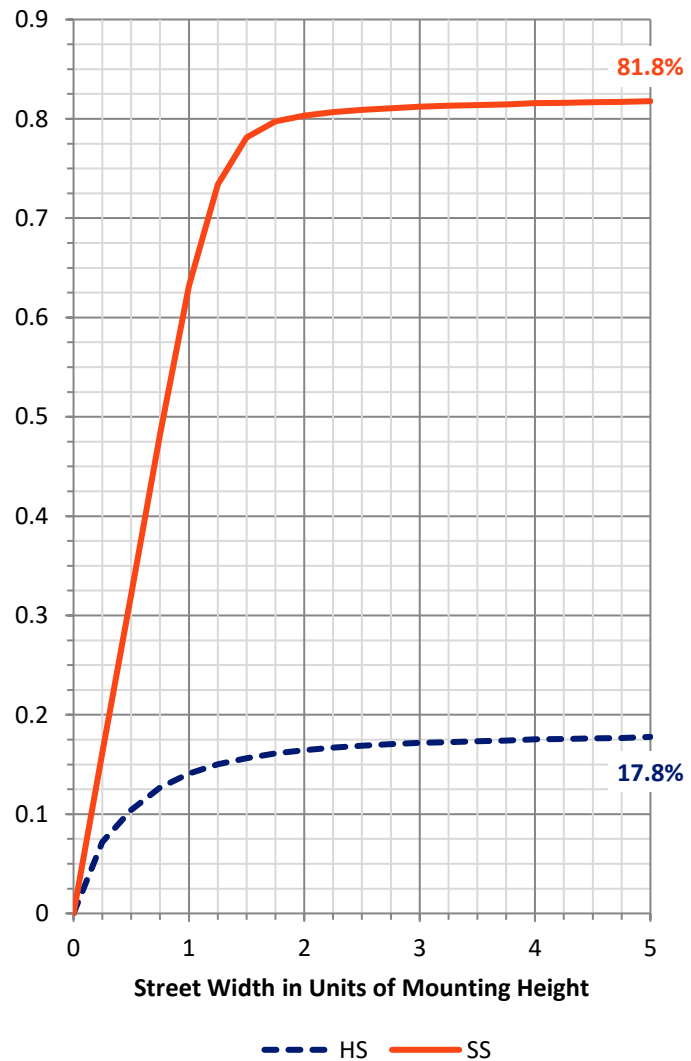
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2276.8   | 0.0    | 2276.8  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 10306.2  | 0.0    | 10306.2 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 12583.0  | 0.0    | 12583.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 292.6   | 2.3       |
| 10°-20°   | 738.5   | 5.9       |
| 20°-30°   | 1178.4  | 9.4       |
| 30°-40°   | 1865.7  | 14.8      |
| 40°-50°   | 2855.6  | 22.7      |
| 50°-60°   | 3058.6  | 24.3      |
| 60°-70°   | 1924.2  | 15.3      |
| 70°-80°   | 569.0   | 4.5       |
| 80°-90°   | 100.6   | 0.8       |
| 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°    | 12583.0 | 100.0     |
| 0°-180°   | 12583.0 | 100.0     |

**Coefficient of Utilization**



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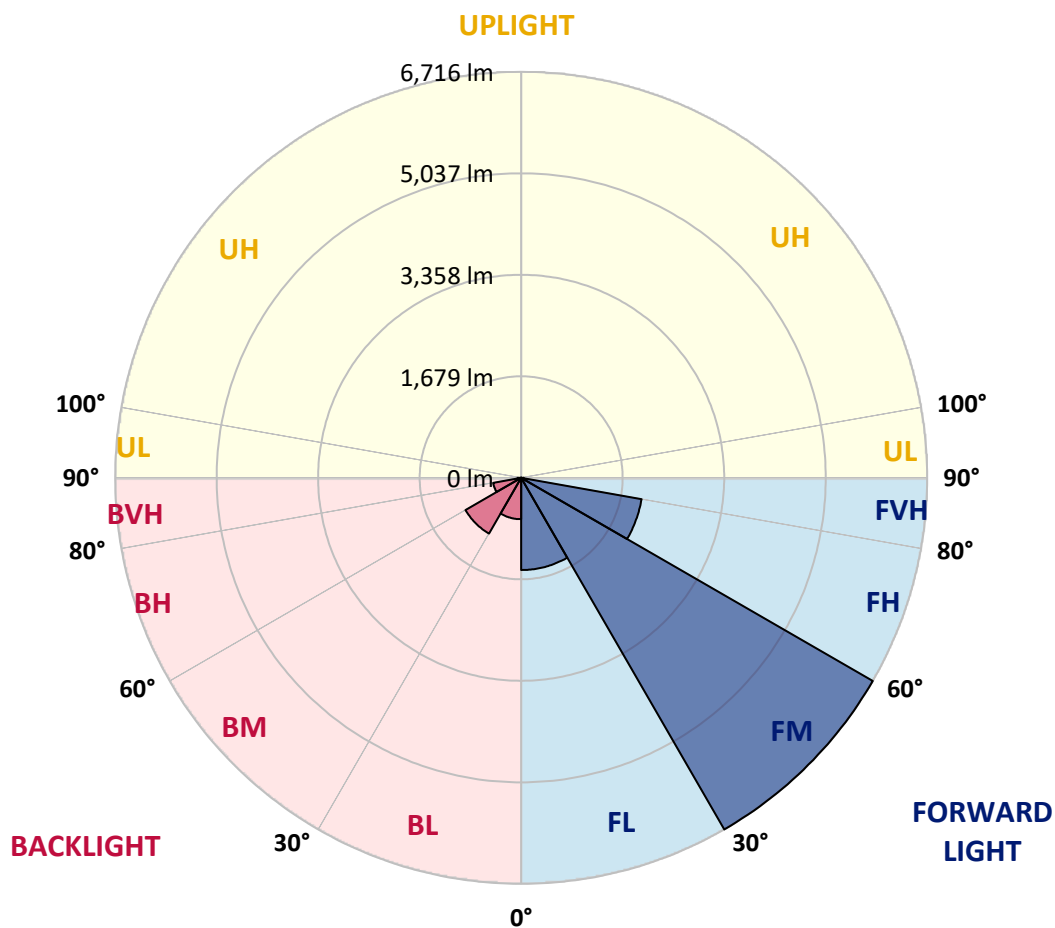
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1525.1 | 12.1      |                         |      |         |
| FM   | (30°-60°)   | 6715.6 | 53.4      |                         |      |         |
| FH   | (60°-80°)   | 2023.0 | 16.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 42.5   | 0.3       |                         |      | G1/100  |
| BL   | (0°-30°)    | 684.3  | 5.4       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1064.2 | 8.5       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 470.2  | 3.7       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 58.1   | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3152.9 | 3152.9 | 3152.9 | 3152.9 | 3152.9 | 3152.9 | 3152.9 | 3152.9 | 3152.9 | 3152.9 |
| 2.5°  | 3617.3 | 3614.7 | 3629.0 | 3580.3 | 3547.1 | 3502.2 | 3443.0 | 3367.6 | 3286.2 | 3200.4 |
| 5°    | 3943.2 | 3920.5 | 3935.4 | 3899.0 | 3862.6 | 3794.9 | 3707.1 | 3584.2 | 3433.9 | 3262.8 |
| 7.5°  | 3891.8 | 3876.2 | 3914.6 | 3947.1 | 3974.5 | 3966.0 | 3901.6 | 3772.8 | 3579.0 | 3330.5 |
| 10°   | 3477.5 | 3459.9 | 3513.9 | 3626.4 | 3791.7 | 3935.4 | 4013.5 | 3933.5 | 3727.3 | 3404.6 |
| 12.5° | 3111.9 | 3103.5 | 3139.2 | 3230.3 | 3413.7 | 3689.5 | 3999.2 | 4074.0 | 3881.4 | 3492.4 |
| 15°   | 2955.8 | 2945.4 | 2968.2 | 3014.3 | 3131.4 | 3388.4 | 3869.1 | 4170.2 | 4033.0 | 3593.9 |
| 17.5° | 2921.3 | 2909.6 | 2919.4 | 2943.4 | 3018.9 | 3214.7 | 3672.6 | 4217.7 | 4191.1 | 3707.1 |
| 20°   | 2985.1 | 2975.3 | 2976.6 | 2975.3 | 3028.0 | 3183.5 | 3536.0 | 4199.5 | 4329.0 | 3811.2 |
| 22.5° | 3139.2 | 3123.0 | 3123.6 | 3089.1 | 3117.8 | 3238.1 | 3500.2 | 4150.7 | 4451.9 | 3902.2 |
| 25°   | 3390.3 | 3361.0 | 3366.9 | 3279.1 | 3271.3 | 3360.4 | 3556.2 | 4113.0 | 4574.2 | 3975.1 |
| 27.5° | 3733.8 | 3700.6 | 3683.0 | 3552.3 | 3489.8 | 3534.1 | 3670.0 | 4126.0 | 4690.0 | 4038.2 |
| 30°   | 4163.1 | 4122.8 | 4087.0 | 3901.6 | 3788.4 | 3772.2 | 3847.0 | 4211.9 | 4826.6 | 4104.5 |
| 32.5° | 4689.3 | 4642.5 | 4577.4 | 4331.6 | 4172.2 | 4087.0 | 4075.9 | 4364.7 | 4986.6 | 4189.1 |
| 35°   | 5315.7 | 5254.6 | 5162.2 | 4844.1 | 4642.5 | 4468.2 | 4377.8 | 4585.3 | 5205.8 | 4316.6 |
| 37.5° | 5961.0 | 5892.1 | 5807.5 | 5428.9 | 5181.1 | 4924.2 | 4745.9 | 4884.5 | 5497.9 | 4489.6 |
| 40°   | 6556.2 | 6478.8 | 6400.1 | 6063.2 | 5797.1 | 5487.5 | 5196.7 | 5263.1 | 5855.0 | 4696.5 |
| 42.5° | 6907.5 | 6850.2 | 6820.3 | 6638.2 | 6432.6 | 6118.4 | 5757.4 | 5711.9 | 6256.3 | 4934.6 |
| 45°   | 6891.9 | 6868.5 | 6960.8 | 7036.3 | 6987.5 | 6813.2 | 6414.4 | 6208.2 | 6659.0 | 5140.8 |
| 47.5° | 6523.7 | 6539.3 | 6745.5 | 7169.6 | 7356.3 | 7447.4 | 7162.5 | 6695.4 | 7009.0 | 5294.9 |
| 50°   | 5522.0 | 5535.0 | 6012.4 | 6927.0 | 7451.3 | 7964.5 | 7904.7 | 7170.9 | 7280.2 | 5389.3 |
| 52.5° | 4729.0 | 4737.5 | 4942.4 | 6207.6 | 7137.8 | 8224.7 | 8573.4 | 7619.1 | 7478.6 | 5415.3 |
| 55°   | 3562.0 | 3591.3 | 3820.9 | 4870.2 | 6322.0 | 8018.5 | 8980.6 | 8081.0 | 7604.1 | 5417.9 |
| 57.5° | 2080.9 | 2112.8 | 2396.4 | 3305.8 | 4913.7 | 7299.7 | 9042.4 | 8490.8 | 7689.4 | 5397.1 |
| 60°   | 1019.3 | 1033.0 | 1156.6 | 1737.4 | 3030.0 | 5914.8 | 8545.4 | 8689.2 | 7736.8 | 5386.0 |
| 62.5° | 686.9  | 685.0  | 690.2  | 857.3  | 1492.9 | 3800.1 | 7509.8 | 8341.8 | 7711.5 | 5343.7 |
| 65°   | 590.6  | 583.5  | 564.0  | 601.7  | 773.4  | 1738.1 | 5802.3 | 7304.9 | 7518.3 | 5237.7 |
| 67.5° | 510.6  | 511.3  | 511.9  | 500.2  | 552.3  | 802.0  | 3545.8 | 5754.2 | 6824.9 | 4735.5 |
| 70°   | 422.8  | 428.7  | 431.3  | 431.3  | 450.1  | 526.2  | 1513.7 | 3943.9 | 5383.4 | 3713.0 |
| 72.5° | 385.1  | 372.7  | 374.0  | 367.5  | 367.5  | 400.7  | 609.5  | 2235.7 | 3391.6 | 2088.7 |
| 75°   | 314.2  | 322.0  | 323.3  | 318.7  | 303.8  | 305.7  | 361.7  | 938.0  | 1451.2 | 866.4  |
| 77.5° | 271.3  | 271.3  | 273.9  | 270.6  | 258.9  | 229.0  | 241.3  | 363.6  | 493.7  | 355.2  |
| 80°   | 217.9  | 217.3  | 228.3  | 234.8  | 216.6  | 169.1  | 154.2  | 201.0  | 219.2  | 156.1  |
| 82.5° | 106.0  | 112.5  | 156.8  | 178.9  | 164.6  | 122.3  | 94.3   | 124.9  | 117.1  | 69.0   |
| 85°   | 61.8   | 58.5   | 70.3   | 99.5   | 94.3   | 67.7   | 45.5   | 65.0   | 61.1   | 35.1   |
| 87.5° | 19.5   | 18.2   | 14.3   | 33.8   | 27.3   | 18.9   | 12.4   | 18.9   | 16.9   | 7.8    |
| 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):**

| 90°    |       | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3152.9 | 0°    | 3152.9 | 3152.9 | 3152.9 | 3152.9 | 3152.9 | 3152.9 | 3152.9 | 3152.9 | 3152.9 | 3152.9 |
| 3163.3 | 2.5°  | 3117.1 | 3040.4 | 2964.3 | 2894.6 | 2852.4 | 2825.0 | 2797.7 | 2767.2 | 2755.4 | 2737.9 |
| 3171.8 | 5°    | 3085.9 | 2937.6 | 2805.5 | 2691.7 | 2588.3 | 2507.0 | 2425.0 | 2358.7 | 2328.7 | 2348.9 |
| 3198.4 | 7.5°  | 3067.7 | 2853.0 | 2649.4 | 2440.6 | 2239.6 | 2078.9 | 1939.1 | 1840.9 | 1796.6 | 1807.7 |
| 3224.4 | 10°   | 3051.4 | 2757.4 | 2447.1 | 2117.3 | 1828.5 | 1629.5 | 1486.4 | 1411.5 | 1383.6 | 1389.4 |
| 3259.6 | 12.5° | 3036.5 | 2650.1 | 2203.2 | 1769.3 | 1462.3 | 1330.9 | 1289.9 | 1290.6 | 1295.8 | 1299.7 |
| 3315.5 | 15°   | 3033.9 | 2520.6 | 1930.6 | 1464.9 | 1264.5 | 1256.1 | 1300.3 | 1328.3 | 1343.2 | 1347.8 |
| 3362.3 | 17.5° | 3030.0 | 2365.8 | 1652.9 | 1257.4 | 1216.4 | 1273.6 | 1314.6 | 1332.8 | 1344.5 | 1345.2 |
| 3407.9 | 20°   | 3014.3 | 2169.4 | 1396.6 | 1158.5 | 1206.0 | 1255.4 | 1280.8 | 1295.1 | 1304.9 | 1308.1 |
| 3442.4 | 22.5° | 2966.2 | 1950.8 | 1196.9 | 1114.3 | 1164.4 | 1204.0 | 1234.0 | 1250.2 | 1256.1 | 1260.0 |
| 3448.9 | 25°   | 2879.7 | 1706.2 | 1059.0 | 1072.0 | 1106.5 | 1156.6 | 1180.6 | 1183.9 | 1181.9 | 1187.8 |
| 3432.6 | 27.5° | 2766.5 | 1444.1 | 973.1  | 1014.8 | 1059.0 | 1101.9 | 1114.9 | 1113.0 | 1109.1 | 1115.6 |
| 3404.6 | 30°   | 2629.9 | 1208.6 | 918.5  | 950.4  | 1010.9 | 1049.9 | 1061.6 | 1057.0 | 1049.2 | 1056.4 |
| 3390.3 | 32.5° | 2485.5 | 1016.1 | 873.6  | 905.5  | 971.2  | 1009.5 | 1021.3 | 1016.7 | 1010.9 | 1016.7 |
| 3406.6 | 35°   | 2350.8 | 881.4  | 832.0  | 875.6  | 939.9  | 977.7  | 992.6  | 993.3  | 993.3  | 1000.4 |
| 3449.5 | 37.5° | 2227.3 | 802.7  | 797.5  | 856.7  | 918.5  | 952.3  | 973.8  | 975.1  | 947.1  | 949.1  |
| 3522.4 | 40°   | 2112.8 | 769.5  | 781.9  | 844.3  | 897.7  | 930.2  | 931.5  | 858.6  | 807.2  | 805.9  |
| 3605.6 | 42.5° | 2019.1 | 763.0  | 786.4  | 843.0  | 882.7  | 884.0  | 792.3  | 735.7  | 721.4  | 722.0  |
| 3682.4 | 45°   | 1931.3 | 761.1  | 796.8  | 843.0  | 860.6  | 763.7  | 701.9  | 686.9  | 688.2  | 693.4  |
| 3716.9 | 47.5° | 1833.1 | 753.3  | 798.8  | 831.3  | 796.8  | 679.1  | 660.9  | 654.4  | 651.8  | 653.1  |
| 3709.1 | 50°   | 1725.7 | 725.3  | 774.1  | 807.9  | 687.6  | 642.7  | 619.9  | 618.0  | 621.2  | 623.2  |
| 3665.5 | 52.5° | 1612.5 | 679.8  | 731.8  | 765.6  | 637.5  | 610.8  | 585.4  | 590.0  | 604.3  | 608.9  |
| 3619.9 | 55°   | 1538.4 | 626.4  | 675.9  | 681.1  | 602.3  | 580.9  | 559.4  | 569.8  | 596.5  | 604.9  |
| 3592.6 | 57.5° | 1518.9 | 569.8  | 612.1  | 606.3  | 557.5  | 554.9  | 541.9  | 551.0  | 584.8  | 597.1  |
| 3591.3 | 60°   | 1513.0 | 519.1  | 549.7  | 545.1  | 513.9  | 526.2  | 523.0  | 527.5  | 539.3  | 543.2  |
| 3578.3 | 62.5° | 1467.5 | 478.8  | 493.7  | 487.2  | 474.9  | 496.3  | 504.1  | 494.4  | 503.5  | 508.0  |
| 3489.2 | 65°   | 1351.7 | 446.2  | 439.1  | 434.5  | 439.7  | 459.2  | 474.9  | 455.3  | 463.8  | 476.8  |
| 3145.7 | 67.5° | 1160.5 | 402.0  | 382.5  | 387.7  | 403.9  | 414.4  | 434.5  | 412.4  | 419.6  | 441.7  |
| 2533.6 | 70°   | 938.6  | 346.1  | 328.5  | 343.5  | 359.1  | 380.5  | 383.8  | 368.8  | 385.7  | 410.5  |
| 1546.2 | 72.5° | 664.1  | 289.5  | 277.1  | 307.7  | 312.9  | 340.9  | 333.7  | 326.5  | 350.0  | 358.4  |
| 764.3  | 75°   | 460.5  | 233.5  | 226.4  | 249.8  | 268.6  | 292.7  | 287.5  | 296.0  | 345.4  | 349.3  |
| 381.8  | 77.5° | 291.4  | 181.5  | 176.9  | 191.9  | 217.9  | 244.6  | 253.0  | 349.3  | 590.0  | 613.4  |
| 198.4  | 80°   | 169.1  | 135.3  | 130.1  | 141.8  | 164.6  | 189.3  | 243.9  | 428.7  | 389.0  | 384.4  |
| 89.1   | 82.5° | 94.3   | 93.0   | 86.5   | 89.8   | 109.9  | 136.6  | 344.8  | 301.8  | 245.2  | 253.0  |
| 35.8   | 85°   | 44.2   | 54.6   | 46.8   | 44.9   | 61.8   | 160.0  | 230.3  | 172.4  | 114.5  | 111.9  |
| 7.8    | 87.5° | 11.7   | 10.4   | 10.4   | 11.7   | 26.0   | 137.9  | 91.7   | 73.5   | 43.6   | 42.3   |
| 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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