

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: P950740

Luminaire Tested: **GLAN-SB5A-835-U-SLL-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P950740  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5A-835-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 16040 lumens  
Efficiency: N/A  
Efficacy: 113.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

Input Watts (W): 141.7  
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

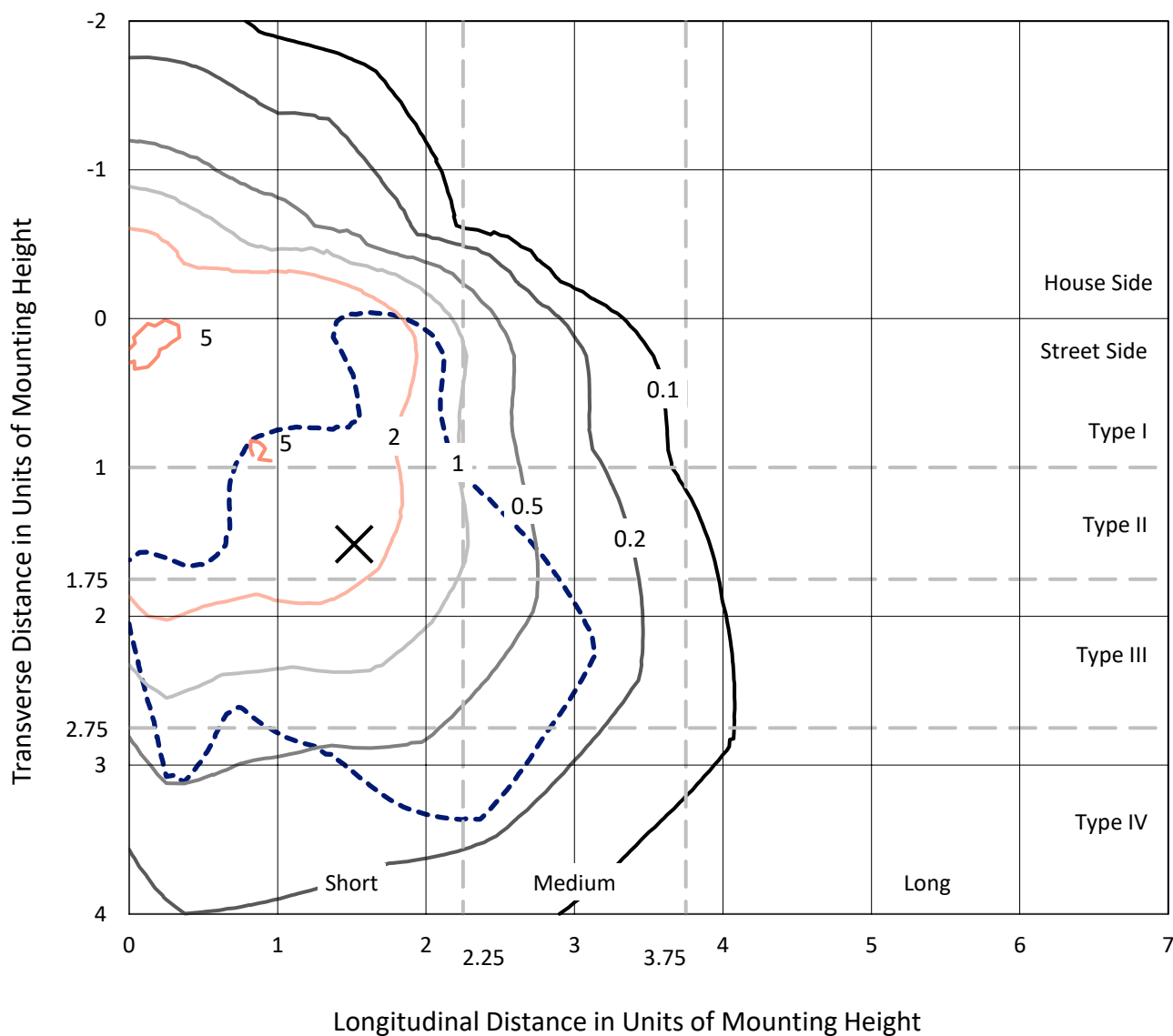


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

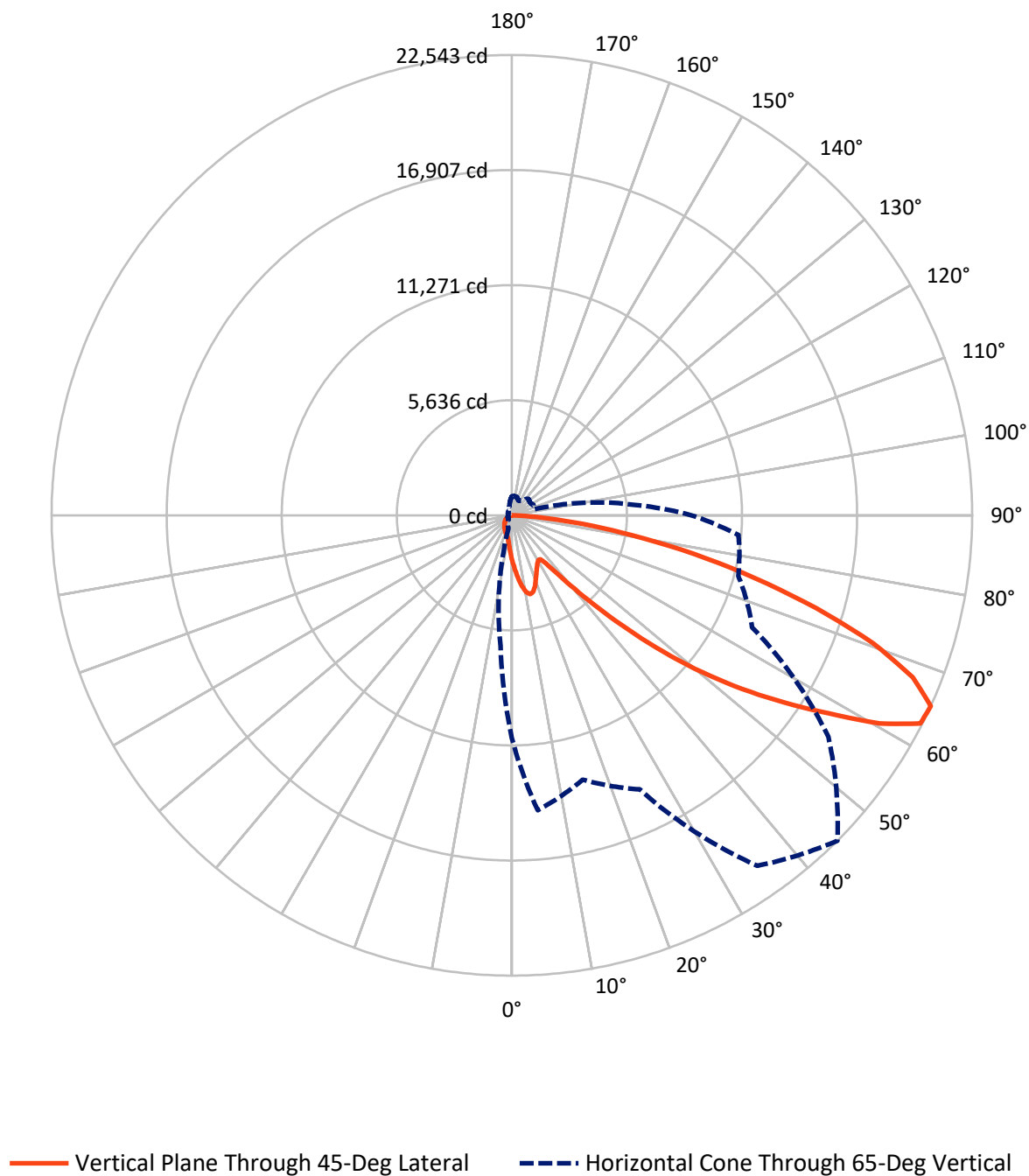


Based on 25 foot mounting height. Maximum calculated value = 5.8 fc

Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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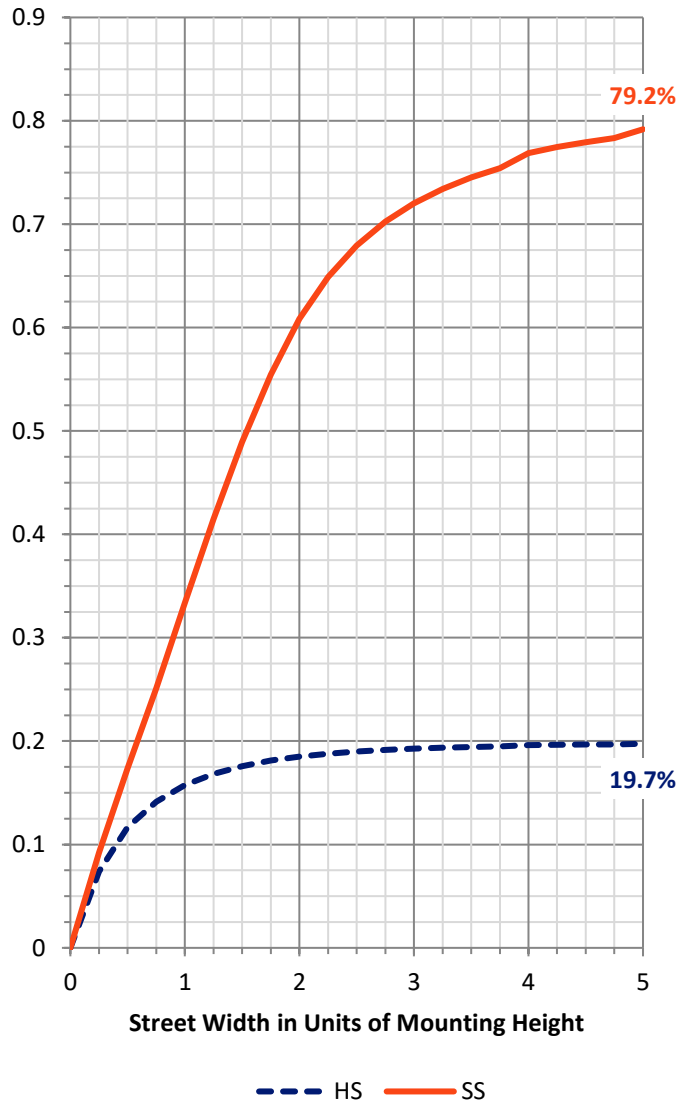
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3188.3   | 0.0    | 3188.3  |
|                    | % Fixture | 19.9     | 0.0    | 19.9    |
| <b>Street Side</b> | Lumens    | 12851.7  | 0.0    | 12851.7 |
|                    | % Fixture | 80.1     | 0.0    | 80.1    |
| <b>Total</b>       | Lumens    | 16040.0  | 0.0    | 16040.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 218.7   | 1.4       |
| 10°-20°   | 655.5   | 4.1       |
| 20°-30°   | 965.7   | 6.0       |
| 30°-40°   | 1240.6  | 7.7       |
| 40°-50°   | 2006.5  | 12.5      |
| 50°-60°   | 3518.6  | 21.9      |
| 60°-70°   | 4402.7  | 27.4      |
| 70°-80°   | 2572.7  | 16.0      |
| 80°-90°   | 459.0   | 2.9       |
| 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°    | 16040.0 | 100.0     |
| 0°-180°   | 16040.0 | 100.0     |

**Coefficient of Utilization**



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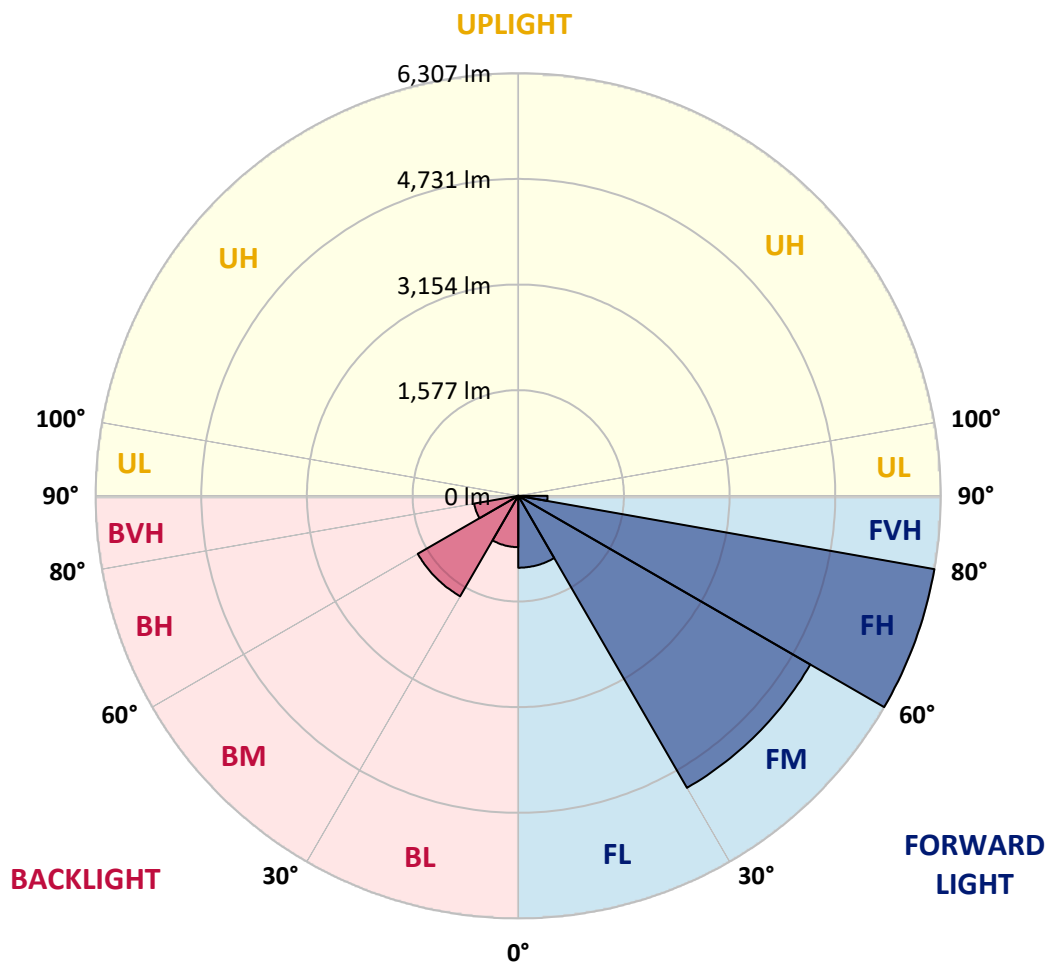
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1073.3 | 6.7       |                         |      |         |
| FM   | (30°-60°)   | 5033.5 | 31.4      |                         |      |         |
| FH   | (60°-80°)   | 6307.4 | 39.3      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 437.5  | 2.7       |                         |      | G3/500  |
| BL   | (0°-30°)    | 766.6  | 4.8       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1732.2 | 10.8      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 668.0  | 4.2       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 21.5   | 0.1       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 2221.0  | 2221.0  | 2221.0  | 2221.0  | 2221.0  | 2221.0  | 2221.0  | 2221.0  | 2221.0  | 2221.0  |
| 2.5°  | 2488.4  | 2507.2  | 2549.2  | 2571.3  | 2605.6  | 2607.8  | 2607.8  | 2577.9  | 2576.8  | 2516.1  |
| 5°    | 2781.3  | 2825.5  | 2924.9  | 3027.7  | 3049.8  | 3055.3  | 3044.2  | 2984.6  | 2940.4  | 2822.1  |
| 7.5°  | 3071.9  | 3157.0  | 3308.3  | 3445.4  | 3489.6  | 3489.6  | 3463.0  | 3365.8  | 3275.2  | 3103.9  |
| 10°   | 3312.8  | 3419.9  | 3625.5  | 3779.1  | 3829.9  | 3818.8  | 3764.7  | 3642.0  | 3517.2  | 3309.4  |
| 12.5° | 3471.9  | 3592.3  | 3817.7  | 3941.5  | 3993.4  | 3964.7  | 3902.8  | 3783.5  | 3652.0  | 3433.2  |
| 15°   | 3551.4  | 3677.4  | 3873.0  | 3938.2  | 3923.8  | 3894.0  | 3886.2  | 3828.8  | 3729.3  | 3524.9  |
| 17.5° | 3585.7  | 3702.8  | 3838.7  | 3797.8  | 3676.3  | 3653.1  | 3730.4  | 3803.4  | 3779.1  | 3604.5  |
| 20°   | 3617.7  | 3716.1  | 3757.0  | 3575.7  | 3363.6  | 3342.6  | 3490.7  | 3698.4  | 3804.5  | 3678.5  |
| 22.5° | 3661.9  | 3722.7  | 3638.7  | 3341.5  | 3112.8  | 3064.1  | 3227.7  | 3540.4  | 3812.2  | 3772.4  |
| 25°   | 3722.7  | 3739.3  | 3508.3  | 3119.4  | 2889.5  | 2840.9  | 2993.4  | 3364.7  | 3799.0  | 3874.1  |
| 27.5° | 3795.6  | 3761.4  | 3383.5  | 2933.7  | 2711.6  | 2666.3  | 2818.8  | 3195.6  | 3761.4  | 3975.7  |
| 30°   | 3890.7  | 3790.1  | 3259.7  | 2790.1  | 2584.6  | 2551.4  | 2698.4  | 3049.8  | 3715.0  | 4105.0  |
| 32.5° | 3986.8  | 3802.3  | 3144.8  | 2706.1  | 2555.8  | 2568.0  | 2688.4  | 2971.3  | 3664.1  | 4228.8  |
| 35°   | 4090.7  | 3840.9  | 3088.4  | 2789.0  | 2795.6  | 2901.7  | 2951.4  | 3044.2  | 3656.4  | 4396.7  |
| 37.5° | 4232.1  | 3927.1  | 3155.8  | 3201.2  | 3431.0  | 3650.9  | 3610.0  | 3401.2  | 3745.9  | 4647.6  |
| 40°   | 4435.4  | 4078.5  | 3449.8  | 3902.8  | 4374.6  | 4731.6  | 4575.8  | 4049.8  | 4019.9  | 5008.9  |
| 42.5° | 4731.6  | 4319.4  | 3971.3  | 4760.3  | 5560.3  | 6148.2  | 5730.5  | 4886.3  | 4499.5  | 5524.9  |
| 45°   | 5169.1  | 4709.5  | 4602.3  | 5665.3  | 7022.2  | 7948.2  | 7079.7  | 5778.0  | 5171.3  | 6306.2  |
| 47.5° | 5775.8  | 5282.9  | 5193.4  | 6618.9  | 8799.0  | 9996.8  | 8575.8  | 6604.5  | 5936.0  | 7371.4  |
| 50°   | 6581.3  | 6055.3  | 5753.7  | 7662.0  | 10747.1 | 12085.3 | 10070.9 | 7402.3  | 6812.3  | 8673.1  |
| 52.5° | 7644.3  | 7132.7  | 6406.7  | 8655.4  | 12750.5 | 14129.5 | 11572.5 | 8102.9  | 7899.6  | 10183.6 |
| 55°   | 9094.1  | 8753.7  | 7299.6  | 9603.5  | 14752.7 | 16185.9 | 13015.7 | 8763.7  | 9336.0  | 11978.1 |
| 57.5° | 10893.0 | 11136.1 | 8586.9  | 10702.9 | 16552.7 | 18305.2 | 14465.4 | 9687.4  | 11201.3 | 13984.7 |
| 60°   | 12053.2 | 14304.1 | 11052.1 | 12328.4 | 18598.1 | 20702.0 | 16452.2 | 11444.4 | 13161.5 | 14704.1 |
| 62.5° | 11772.5 | 15311.8 | 14004.6 | 14403.5 | 20478.8 | 22444.5 | 18399.2 | 13209.0 | 13530.6 | 13644.4 |
| 65°   | 10911.8 | 14498.6 | 13402.4 | 14806.8 | 20955.0 | 22542.9 | 18919.6 | 12981.4 | 11477.5 | 11139.4 |
| 67.5° | 9727.2  | 13533.9 | 11971.4 | 13737.2 | 20094.2 | 21168.3 | 17950.5 | 11483.0 | 8869.7  | 8359.2  |
| 70°   | 8448.7  | 12466.5 | 11032.2 | 12537.2 | 18453.3 | 18772.6 | 16303.0 | 10099.6 | 6523.9  | 5645.4  |
| 72.5° | 7235.5  | 11354.9 | 10389.1 | 11307.3 | 16264.3 | 15603.5 | 14158.2 | 8876.4  | 4750.3  | 4071.9  |
| 75°   | 5994.6  | 9715.1  | 9473.1  | 9846.6  | 13385.8 | 12290.8 | 11763.7 | 7349.3  | 3728.2  | 2945.9  |
| 77.5° | 4625.5  | 7591.3  | 8148.2  | 7885.2  | 9422.2  | 9129.4  | 9118.4  | 5522.7  | 2723.8  | 1965.8  |
| 80°   | 3165.8  | 5290.7  | 6365.8  | 5562.5  | 6115.0  | 5965.8  | 6867.5  | 3705.0  | 1975.7  | 1183.4  |
| 82.5° | 1860.8  | 3221.0  | 4431.0  | 2692.9  | 3381.3  | 3470.8  | 4089.6  | 1802.2  | 1162.4  | 272.9   |
| 85°   | 754.7   | 1271.8  | 1732.6  | 1054.2  | 1631.0  | 1375.7  | 1552.5  | 506.1   | 323.8   | 6.6     |
| 87.5° | 190.1   | 406.6   | 285.1   | 118.2   | 189.0   | 173.5   | 137.0   | 61.9    | 13.3    | 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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**CANDELA DISTRIBUTION (continued):**

| 90°     |       | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2221.0  | 0°    | 2221.0 | 2221.0 | 2221.0 | 2221.0 | 2221.0 | 2221.0 | 2221.0 | 2221.0 | 2221.0 | 2221.0 |
| 2509.4  | 2.5°  | 2466.3 | 2440.9 | 2377.9 | 2315.0 | 2264.1 | 2195.6 | 2150.3 | 2096.2 | 2044.2 | 1997.8 |
| 2796.7  | 5°    | 2727.1 | 2643.1 | 2528.2 | 2423.2 | 2316.1 | 2212.2 | 2109.4 | 2001.1 | 1901.7 | 1840.9 |
| 3039.8  | 7.5°  | 2939.3 | 2791.2 | 2638.7 | 2505.0 | 2375.7 | 2254.2 | 2118.3 | 1986.8 | 1831.0 | 1748.1 |
| 3225.5  | 10°   | 3097.3 | 2902.8 | 2702.8 | 2549.2 | 2418.8 | 2300.6 | 2185.7 | 2053.1 | 1865.2 | 1761.4 |
| 3338.2  | 12.5° | 3201.2 | 2970.2 | 2736.0 | 2560.3 | 2414.4 | 2322.7 | 2271.9 | 2219.9 | 2033.2 | 1911.6 |
| 3421.0  | 15°   | 3273.0 | 3017.7 | 2759.2 | 2534.8 | 2355.8 | 2288.4 | 2339.3 | 2398.9 | 2279.6 | 2139.3 |
| 3507.2  | 17.5° | 3351.4 | 3079.6 | 2769.1 | 2466.3 | 2242.0 | 2213.3 | 2344.8 | 2482.9 | 2477.4 | 2338.2 |
| 3589.0  | 20°   | 3434.3 | 3133.7 | 2762.5 | 2355.8 | 2103.9 | 2129.3 | 2297.3 | 2457.5 | 2524.9 | 2449.8 |
| 3682.9  | 22.5° | 3519.4 | 3185.7 | 2737.1 | 2212.2 | 1974.6 | 2054.2 | 2222.1 | 2362.5 | 2442.0 | 2418.8 |
| 3797.8  | 25°   | 3626.6 | 3258.6 | 2699.5 | 2057.5 | 1867.4 | 1977.9 | 2134.8 | 2248.7 | 2303.9 | 2302.8 |
| 3921.6  | 27.5° | 3754.8 | 3355.8 | 2679.6 | 1932.6 | 1791.2 | 1891.7 | 2031.0 | 2132.6 | 2171.3 | 2171.3 |
| 4075.2  | 30°   | 3903.9 | 3470.8 | 2657.5 | 1850.9 | 1747.0 | 1802.2 | 1910.5 | 2010.0 | 2048.6 | 2048.6 |
| 4243.2  | 32.5° | 4069.7 | 3581.3 | 2604.5 | 1801.1 | 1713.8 | 1714.9 | 1783.5 | 1874.1 | 1920.5 | 1927.1 |
| 4453.1  | 35°   | 4268.6 | 3699.5 | 2488.4 | 1761.4 | 1675.2 | 1629.9 | 1663.0 | 1738.1 | 1793.4 | 1807.8 |
| 4752.6  | 37.5° | 4529.3 | 3844.3 | 2322.7 | 1702.8 | 1615.5 | 1540.4 | 1548.1 | 1605.5 | 1666.3 | 1688.4 |
| 5165.8  | 40°   | 4879.6 | 4014.4 | 2150.3 | 1618.8 | 1531.5 | 1442.0 | 1438.7 | 1480.7 | 1540.4 | 1564.7 |
| 5724.9  | 42.5° | 5342.6 | 4218.8 | 1985.7 | 1538.1 | 1429.9 | 1338.1 | 1332.6 | 1365.8 | 1417.7 | 1443.1 |
| 6463.1  | 45°   | 5934.9 | 4469.7 | 1844.2 | 1475.2 | 1330.4 | 1239.8 | 1237.6 | 1265.2 | 1310.5 | 1337.0 |
| 7407.8  | 47.5° | 6758.1 | 4720.5 | 1748.1 | 1442.0 | 1252.0 | 1159.1 | 1163.6 | 1187.9 | 1228.7 | 1247.5 |
| 8631.1  | 50°   | 7831.1 | 4796.8 | 1699.5 | 1442.0 | 1210.0 | 1087.3 | 1109.4 | 1129.3 | 1160.2 | 1171.3 |
| 10097.4 | 52.5° | 8860.9 | 4544.8 | 1655.3 | 1450.8 | 1215.5 | 1026.5 | 1074.0 | 1088.4 | 1114.9 | 1119.4 |
| 11456.5 | 55°   | 9365.9 | 3907.2 | 1594.5 | 1453.1 | 1249.7 | 974.6  | 1045.3 | 1071.8 | 1081.8 | 1080.7 |
| 12245.5 | 57.5° | 9192.4 | 3159.2 | 1491.7 | 1444.2 | 1272.9 | 941.5  | 1010.0 | 1060.8 | 1067.4 | 1057.5 |
| 12095.2 | 60°   | 8583.6 | 2326.0 | 1413.3 | 1379.0 | 1264.1 | 931.5  | 955.8  | 1036.5 | 1046.4 | 1033.2 |
| 10937.2 | 62.5° | 7562.5 | 1614.4 | 1352.5 | 1235.4 | 1225.4 | 928.2  | 870.7  | 983.4  | 1007.7 | 989.0  |
| 8791.3  | 65°   | 5953.7 | 1140.3 | 1164.7 | 1082.9 | 1141.5 | 910.5  | 782.3  | 919.4  | 952.5  | 923.8  |
| 6378.0  | 67.5° | 4028.8 | 823.2  | 943.7  | 981.2  | 1005.5 | 870.7  | 718.2  | 846.4  | 890.6  | 853.1  |
| 4092.9  | 70°   | 2175.7 | 577.9  | 623.2  | 826.5  | 854.2  | 802.2  | 660.8  | 772.4  | 823.2  | 782.3  |
| 2909.4  | 72.5° | 1285.1 | 415.5  | 436.5  | 664.1  | 711.6  | 706.1  | 596.7  | 686.2  | 748.1  | 699.5  |
| 2007.8  | 75°   | 708.3  | 280.7  | 311.6  | 481.8  | 577.9  | 544.8  | 512.7  | 581.2  | 644.2  | 596.7  |
| 1258.6  | 77.5° | 317.1  | 168.0  | 216.6  | 316.0  | 454.2  | 373.5  | 396.7  | 453.0  | 511.6  | 461.9  |
| 700.6   | 80°   | 122.7  | 93.9   | 143.6  | 172.4  | 330.4  | 206.6  | 255.3  | 333.7  | 375.7  | 335.9  |
| 152.5   | 82.5° | 15.5   | 42.0   | 61.9   | 67.4   | 192.3  | 109.4  | 148.1  | 209.9  | 206.6  | 179.0  |
| 0.0     | 85°   | 0.0    | 7.7    | 8.8    | 4.4    | 82.9   | 39.8   | 48.6   | 68.5   | 64.1   | 48.6   |
| 0.0     | 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 2.2    | 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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**CANDELA DISTRIBUTION (continued):**

| 185°   |       | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°   | 270°   | 275°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2221.0 | 0°    | 2221.0 | 2221.0 | 2221.0 | 2221.0 | 2221.0 | 2221.0 | 2221.0 | 2221.0 | 2221.0 | 2221.0 |
| 1989.0 | 2.5°  | 1934.8 | 1895.1 | 1875.2 | 1858.6 | 1874.1 | 1882.9 | 1882.9 | 1920.5 | 1942.6 | 1951.4 |
| 1802.2 | 5°    | 1705.0 | 1631.0 | 1581.2 | 1551.4 | 1561.3 | 1572.4 | 1584.6 | 1632.1 | 1664.1 | 1685.1 |
| 1673.0 | 7.5°  | 1523.8 | 1411.1 | 1341.5 | 1305.0 | 1310.5 | 1318.3 | 1328.2 | 1374.6 | 1406.7 | 1434.3 |
| 1648.6 | 10°   | 1434.3 | 1275.2 | 1183.4 | 1139.2 | 1131.5 | 1127.1 | 1123.8 | 1151.4 | 1175.7 | 1197.8 |
| 1748.1 | 12.5° | 1438.7 | 1216.6 | 1105.0 | 1050.8 | 1027.6 | 1001.1 | 980.1  | 984.5  | 1000.0 | 1027.6 |
| 1926.0 | 15°   | 1495.0 | 1197.8 | 1064.1 | 996.7  | 958.0  | 927.1  | 901.7  | 896.1  | 901.7  | 906.1  |
| 2129.3 | 17.5° | 1571.3 | 1195.6 | 1028.7 | 944.8  | 905.0  | 879.6  | 856.4  | 848.6  | 849.7  | 855.3  |
| 2264.1 | 20°   | 1632.1 | 1189.0 | 989.0  | 895.0  | 859.7  | 837.6  | 814.4  | 806.6  | 808.9  | 810.0  |
| 2277.4 | 22.5° | 1664.1 | 1179.0 | 944.8  | 845.3  | 815.5  | 793.4  | 772.4  | 771.3  | 771.3  | 777.9  |
| 2205.6 | 25°   | 1664.1 | 1158.0 | 905.0  | 797.8  | 771.3  | 751.4  | 726.0  | 730.4  | 732.6  | 741.4  |
| 2094.0 | 27.5° | 1624.3 | 1118.2 | 872.9  | 756.9  | 729.3  | 709.4  | 686.2  | 691.7  | 695.0  | 705.0  |
| 1983.5 | 30°   | 1573.5 | 1070.7 | 836.5  | 718.2  | 686.2  | 671.8  | 651.9  | 654.2  | 658.6  | 669.6  |
| 1880.7 | 32.5° | 1519.4 | 1014.4 | 806.6  | 679.6  | 647.5  | 636.5  | 614.4  | 617.7  | 622.1  | 634.3  |
| 1779.0 | 35°   | 1459.7 | 948.1  | 771.3  | 644.2  | 612.2  | 603.3  | 577.9  | 580.1  | 586.7  | 600.0  |
| 1669.6 | 37.5° | 1396.7 | 893.9  | 735.9  | 610.0  | 576.8  | 568.0  | 541.4  | 543.7  | 551.4  | 566.9  |
| 1554.7 | 40°   | 1334.8 | 840.9  | 698.4  | 573.5  | 540.3  | 532.6  | 503.9  | 506.1  | 514.9  | 531.5  |
| 1438.7 | 42.5° | 1267.4 | 800.0  | 649.7  | 535.9  | 500.6  | 492.8  | 466.3  | 469.6  | 479.6  | 496.1  |
| 1331.5 | 45°   | 1186.8 | 773.5  | 595.6  | 500.6  | 460.8  | 453.0  | 428.7  | 435.4  | 446.4  | 463.0  |
| 1239.8 | 47.5° | 1103.9 | 762.4  | 550.3  | 463.0  | 419.9  | 413.3  | 393.4  | 404.4  | 416.6  | 429.8  |
| 1161.3 | 50°   | 1024.3 | 748.1  | 503.9  | 427.6  | 384.5  | 377.9  | 364.6  | 379.0  | 391.2  | 403.3  |
| 1105.0 | 52.5° | 933.7  | 717.1  | 461.9  | 396.7  | 354.7  | 352.5  | 345.9  | 359.1  | 370.2  | 381.2  |
| 1056.4 | 55°   | 839.8  | 667.4  | 425.4  | 369.1  | 329.3  | 331.5  | 328.2  | 339.2  | 348.1  | 358.0  |
| 1012.2 | 57.5° | 758.0  | 604.4  | 396.7  | 339.2  | 307.2  | 313.8  | 309.4  | 314.9  | 320.4  | 332.6  |
| 959.1  | 60°   | 675.1  | 529.3  | 364.6  | 303.9  | 285.1  | 292.8  | 280.7  | 279.6  | 281.8  | 285.1  |
| 880.7  | 62.5° | 563.5  | 450.8  | 324.9  | 272.9  | 260.8  | 264.1  | 240.9  | 223.2  | 223.2  | 226.5  |
| 771.3  | 65°   | 453.0  | 377.9  | 280.7  | 237.6  | 227.6  | 225.4  | 192.3  | 168.0  | 165.7  | 175.7  |
| 644.2  | 67.5° | 372.4  | 313.8  | 236.5  | 197.8  | 191.2  | 193.4  | 169.1  | 144.8  | 142.5  | 153.6  |
| 524.9  | 70°   | 308.3  | 253.0  | 189.0  | 152.5  | 159.1  | 169.1  | 144.8  | 121.5  | 118.2  | 128.2  |
| 426.5  | 72.5° | 245.3  | 197.8  | 144.8  | 112.7  | 131.5  | 143.6  | 118.2  | 96.1   | 93.9   | 102.8  |
| 329.3  | 75°   | 180.1  | 141.4  | 98.3   | 81.8   | 101.7  | 112.7  | 86.2   | 68.5   | 65.2   | 72.9   |
| 219.9  | 77.5° | 111.6  | 79.6   | 61.9   | 48.6   | 69.6   | 75.1   | 45.3   | 39.8   | 38.7   | 44.2   |
| 133.7  | 80°   | 51.9   | 34.3   | 29.8   | 16.6   | 25.4   | 29.8   | 18.8   | 21.0   | 22.1   | 26.5   |
| 67.4   | 82.5° | 14.4   | 5.5    | 1.1    | 0.0    | 0.0    | 8.8    | 4.4    | 8.8    | 11.0   | 16.6   |
| 5.5    | 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 2.2    | 5.5    | 9.9    |
| 0.0    | 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 4.4    |
| 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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|--------|-------|--------|--------|--------|--------|--------|--------|--------|---------|
| 2221.0 | 0°    | 2221.0 | 2221.0 | 2221.0 | 2221.0 | 2221.0 | 2221.0 | 2221.0 | 2221.0  |
| 2013.3 | 2.5°  | 2059.7 | 2103.9 | 2174.6 | 2247.5 | 2319.4 | 2392.3 | 2463.0 | 2488.4  |
| 1781.2 | 5°    | 1868.5 | 1970.2 | 2110.5 | 2260.8 | 2415.5 | 2572.4 | 2716.1 | 2781.3  |
| 1541.5 | 7.5°  | 1655.3 | 1801.1 | 2012.2 | 2247.5 | 2494.0 | 2740.4 | 2966.9 | 3071.9  |
| 1303.9 | 10°   | 1427.6 | 1612.2 | 1853.1 | 2171.3 | 2524.9 | 2865.2 | 3176.8 | 3312.8  |
| 1095.0 | 12.5° | 1211.1 | 1404.4 | 1670.7 | 2052.0 | 2500.6 | 2937.1 | 3311.7 | 3471.9  |
| 948.1  | 15°   | 1029.8 | 1201.1 | 1488.4 | 1910.5 | 2422.1 | 2941.5 | 3375.7 | 3551.4  |
| 866.3  | 17.5° | 893.9  | 1005.5 | 1302.8 | 1753.6 | 2319.4 | 2900.6 | 3397.8 | 3585.7  |
| 822.1  | 20°   | 826.5  | 857.5  | 1061.9 | 1552.5 | 2223.2 | 2861.9 | 3419.9 | 3617.7  |
| 786.8  | 22.5° | 786.8  | 794.5  | 868.5  | 1292.8 | 2108.3 | 2849.8 | 3458.6 | 3661.9  |
| 754.7  | 25°   | 754.7  | 756.9  | 776.8  | 1024.3 | 1932.6 | 2842.0 | 3518.3 | 3722.7  |
| 721.6  | 27.5° | 722.7  | 722.7  | 733.7  | 825.4  | 1693.9 | 2808.9 | 3595.6 | 3795.6  |
| 688.4  | 30°   | 690.6  | 690.6  | 698.4  | 730.4  | 1414.4 | 2743.7 | 3688.5 | 3890.7  |
| 655.3  | 32.5° | 657.5  | 657.5  | 664.1  | 687.3  | 1129.3 | 2661.9 | 3773.5 | 3986.8  |
| 621.0  | 35°   | 624.3  | 622.1  | 630.9  | 655.3  | 898.4  | 2558.0 | 3858.6 | 4090.7  |
| 586.7  | 37.5° | 589.0  | 587.9  | 596.7  | 624.3  | 775.7  | 2437.6 | 3922.7 | 4232.1  |
| 552.5  | 40°   | 551.4  | 551.4  | 561.3  | 591.2  | 740.3  | 2286.2 | 4024.4 | 4435.4  |
| 517.1  | 42.5° | 517.1  | 514.9  | 526.0  | 562.4  | 713.8  | 2141.5 | 4206.7 | 4731.6  |
| 485.1  | 45°   | 484.0  | 479.6  | 489.5  | 534.8  | 667.4  | 2090.6 | 4547.0 | 5169.1  |
| 454.2  | 47.5° | 453.0  | 442.0  | 450.8  | 501.7  | 625.4  | 2280.7 | 5103.9 | 5775.8  |
| 426.5  | 50°   | 427.6  | 406.6  | 414.4  | 468.5  | 593.4  | 2692.9 | 5826.6 | 6581.3  |
| 401.1  | 52.5° | 401.1  | 373.5  | 377.9  | 427.6  | 564.6  | 3085.1 | 6610.0 | 7644.3  |
| 375.7  | 55°   | 373.5  | 342.5  | 344.8  | 386.7  | 523.8  | 3143.7 | 7374.7 | 9094.1  |
| 347.0  | 57.5° | 342.5  | 313.8  | 313.8  | 349.2  | 493.9  | 2724.9 | 7962.5 | 10893.0 |
| 311.6  | 60°   | 308.3  | 289.5  | 284.0  | 319.3  | 520.4  | 1922.7 | 8031.1 | 12053.2 |
| 266.3  | 62.5° | 270.7  | 260.8  | 253.0  | 290.6  | 540.3  | 1139.2 | 7479.7 | 11772.5 |
| 209.9  | 65°   | 227.6  | 225.4  | 219.9  | 319.3  | 455.3  | 672.9  | 6421.1 | 10911.8 |
| 179.0  | 67.5° | 191.2  | 187.8  | 187.8  | 334.8  | 345.9  | 423.2  | 5016.6 | 9727.2  |
| 152.5  | 70°   | 164.6  | 152.5  | 152.5  | 253.0  | 209.9  | 292.8  | 3502.8 | 8448.7  |
| 126.0  | 72.5° | 138.1  | 124.9  | 116.0  | 202.2  | 156.9  | 214.4  | 2189.0 | 7235.5  |
| 96.1   | 75°   | 110.5  | 100.6  | 89.5   | 133.7  | 117.1  | 162.4  | 1271.8 | 5994.6  |
| 60.8   | 77.5° | 79.6   | 75.1   | 63.0   | 98.3   | 85.1   | 117.1  | 756.9  | 4625.5  |
| 37.6   | 80°   | 40.9   | 42.0   | 39.8   | 56.4   | 57.5   | 79.6   | 430.9  | 3165.8  |
| 24.3   | 82.5° | 24.3   | 18.8   | 21.0   | 27.6   | 33.1   | 45.3   | 162.4  | 1860.8  |
| 17.7   | 85°   | 15.5   | 9.9    | 9.9    | 13.3   | 16.6   | 17.7   | 49.7   | 754.7   |
| 8.8    | 87.5° | 7.7    | 3.3    | 4.4    | 6.6    | 5.5    | 4.4    | 2.2    | 190.1   |
| 0.0    | 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     |

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