

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: P946463

Luminaire Tested: **GLAN-SB2A-835-U-T2U**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P946463  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2A-835-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8432 lumens  
Efficiency: N/A  
Efficacy: 147.2 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): 57.3  
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



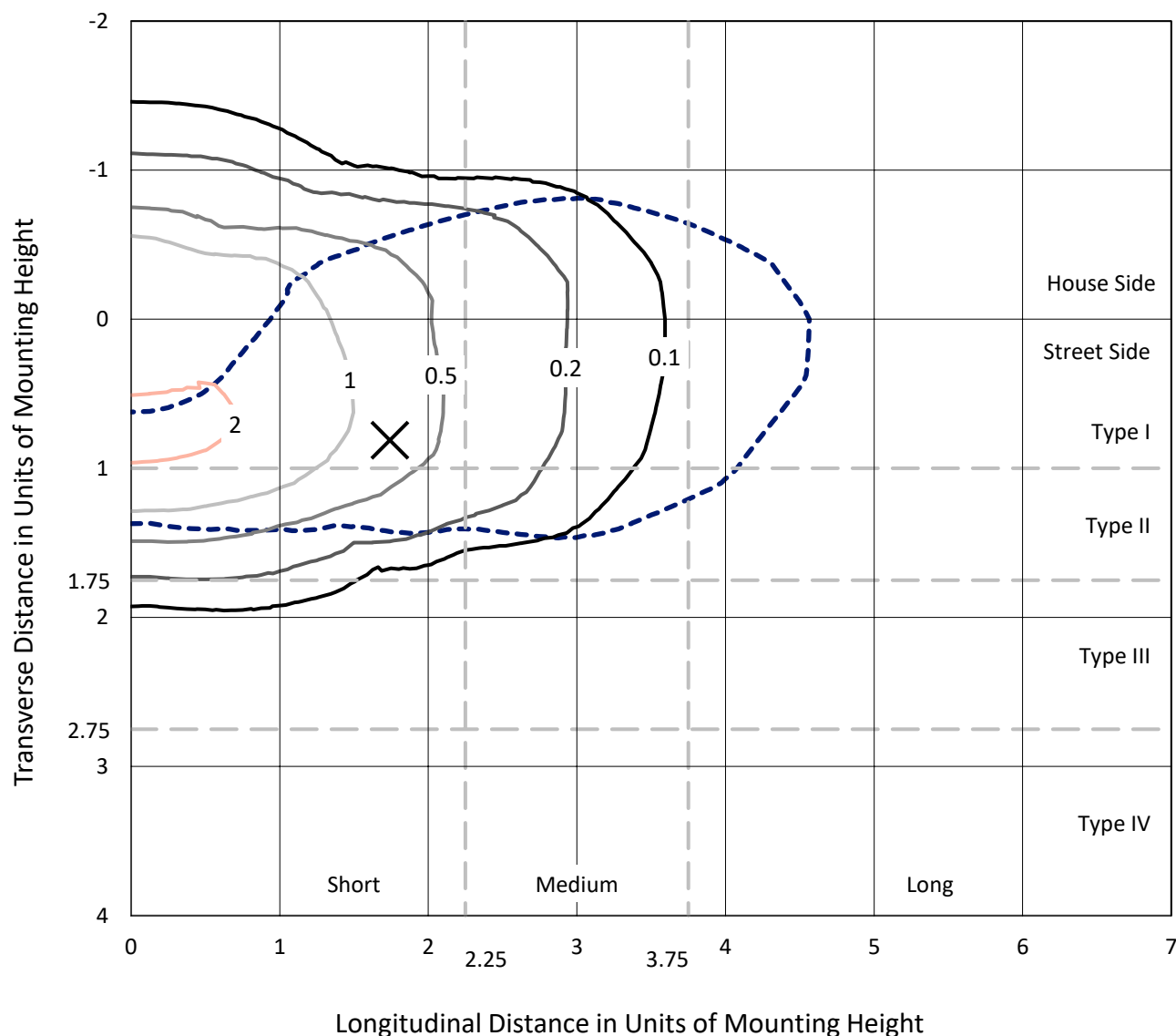
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CATALOG NUMBER: GLAN-SB2A-835-U-T2U

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

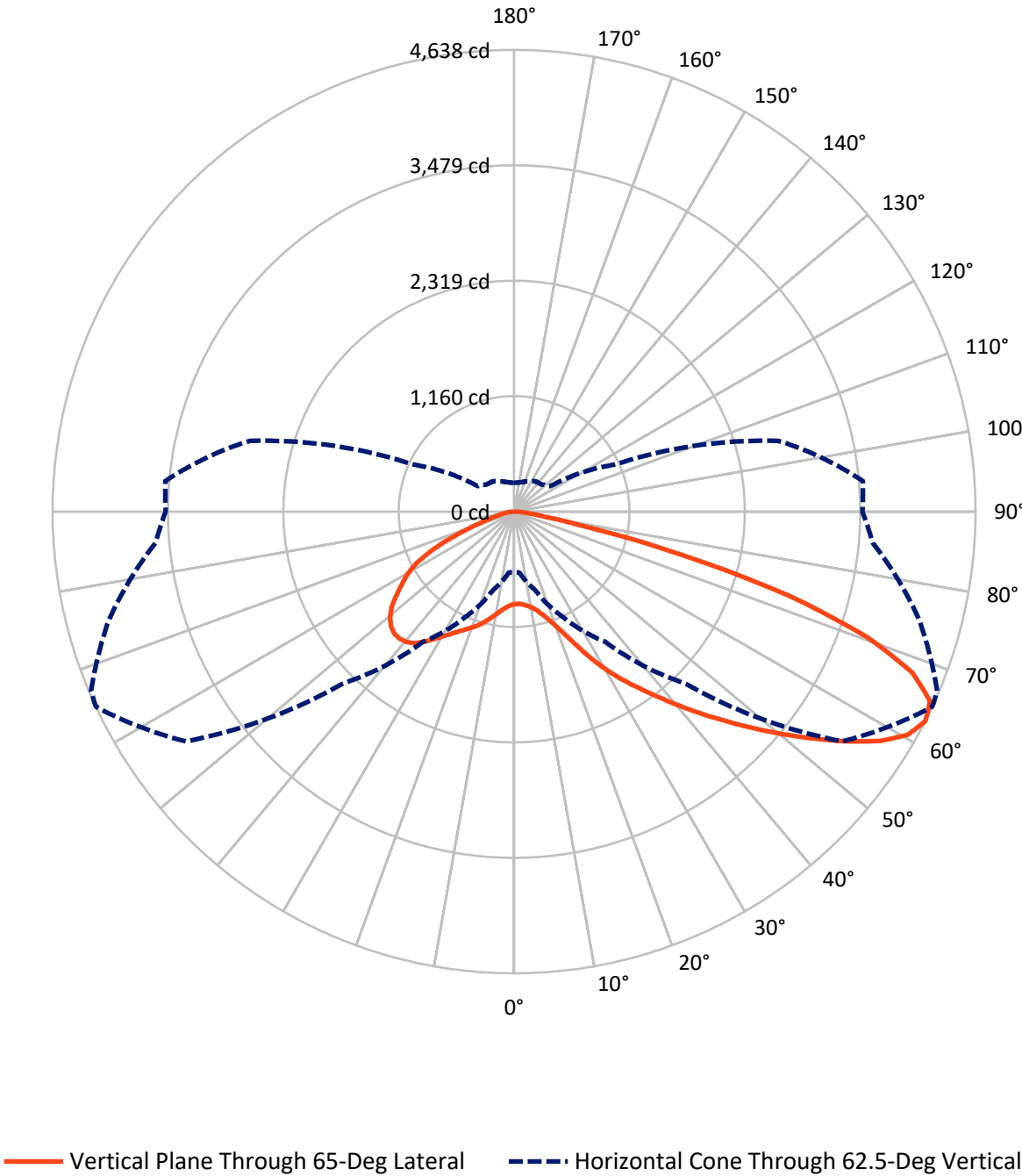


Based on 25 foot mounting height. Maximum calculated value = 2.4 fc

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    | 2660.8   | 0.0    | 2660.8 |
|                    | % Fixture | 31.6     | 0.0    | 31.6   |
| <b>Street Side</b> | Lumens    | 5771.2   | 0.0    | 5771.2 |
|                    | % Fixture | 68.4     | 0.0    | 68.4   |
| <b>Total</b>       | Lumens    | 8432.0   | 0.0    | 8432.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 92.6   | 1.1       |
| 10°-20°   | 314.1  | 3.7       |
| 20°-30°   | 637.0  | 7.6       |
| 30°-40°   | 1102.2 | 13.1      |
| 40°-50°   | 1668.0 | 19.8      |
| 50°-60°   | 1955.7 | 23.2      |
| 60°-70°   | 1639.6 | 19.4      |
| 70°-80°   | 905.2  | 10.7      |
| 80°-90°   | 117.6  | 1.4       |
| 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°    | 8432.0 | 100.0     |
| 0°-180°   | 8432.0 | 100.0     |

**Coefficient of Utilization**



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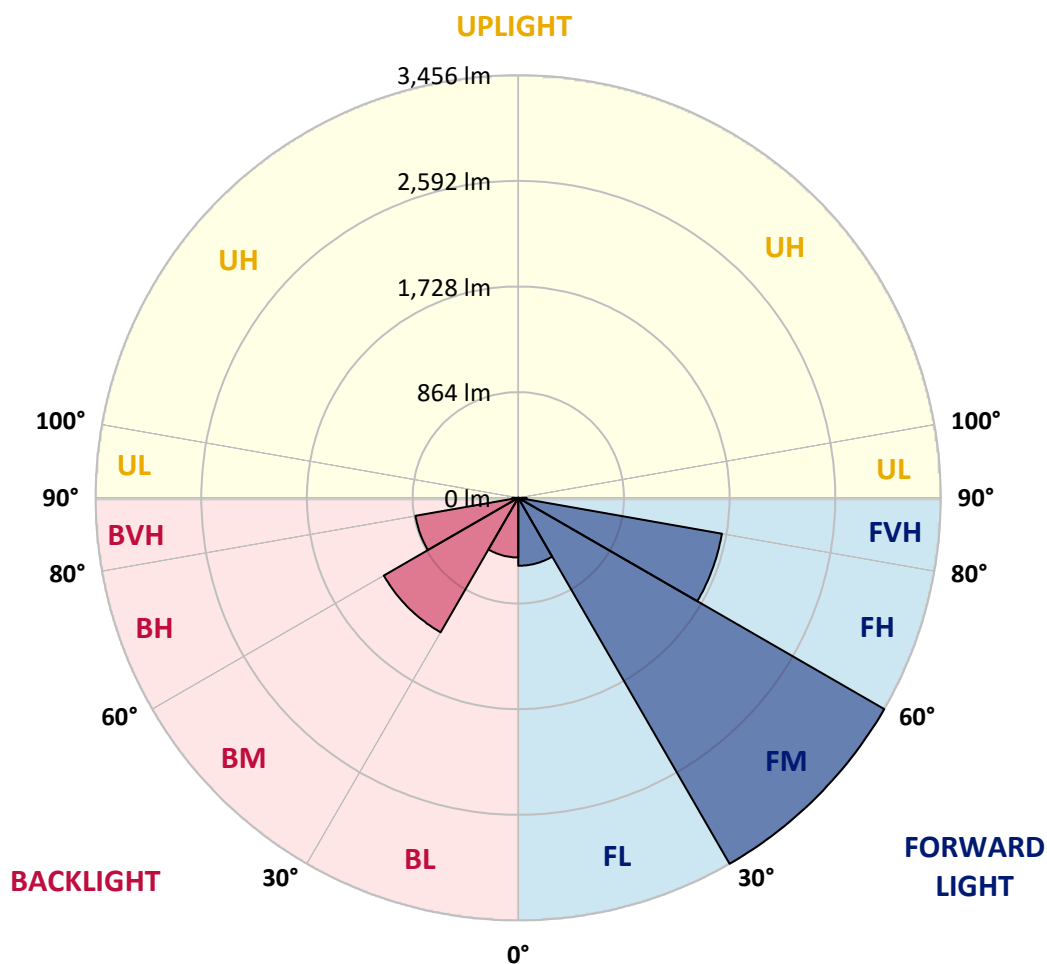
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 555.8  | 6.6       |                         |      |         |
| FM   | (30°-60°)   | 3455.7 | 41.0      |                         |      |         |
| FH   | (60°-80°)   | 1691.2 | 20.1      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 68.5   | 0.8       |                         |      | G1/100  |
| BL   | (0°-30°)    | 488.0  | 5.8       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1270.2 | 15.1      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 853.6  | 10.1      | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 49.1   | 0.6       |                         |      | 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°    | 67°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 929.2  | 929.2  | 929.2  | 929.2  | 929.2  | 929.2  | 929.2  | 929.2  | 929.2  | 929.2  |
| 2.5°  | 923.0  | 920.4  | 922.6  | 922.6  | 923.5  | 923.0  | 926.1  | 927.0  | 928.3  | 930.9  |
| 5°    | 913.9  | 913.4  | 917.4  | 920.9  | 924.4  | 927.4  | 931.4  | 937.0  | 937.9  | 941.0  |
| 7.5°  | 910.8  | 908.2  | 914.3  | 918.7  | 927.0  | 934.4  | 944.9  | 954.5  | 958.5  | 959.8  |
| 10°   | 934.4  | 930.0  | 935.7  | 938.4  | 945.4  | 952.8  | 965.0  | 980.4  | 984.7  | 990.0  |
| 12.5° | 974.7  | 969.9  | 978.2  | 982.1  | 988.7  | 995.2  | 1003.5 | 1018.4 | 1020.6 | 1030.2 |
| 15°   | 1029.8 | 1024.1 | 1029.3 | 1034.2 | 1045.1 | 1051.2 | 1059.5 | 1074.0 | 1074.0 | 1081.4 |
| 17.5° | 1104.6 | 1097.2 | 1101.1 | 1102.8 | 1109.8 | 1119.0 | 1133.0 | 1145.7 | 1152.3 | 1149.7 |
| 20°   | 1216.1 | 1207.0 | 1207.0 | 1198.2 | 1195.6 | 1203.0 | 1221.4 | 1238.9 | 1245.9 | 1232.3 |
| 22.5° | 1383.7 | 1370.6 | 1363.1 | 1333.4 | 1321.6 | 1322.4 | 1340.8 | 1362.3 | 1367.9 | 1343.9 |
| 25°   | 1596.7 | 1576.2 | 1566.1 | 1522.4 | 1495.7 | 1472.5 | 1486.9 | 1514.5 | 1522.4 | 1492.6 |
| 27.5° | 1809.8 | 1811.1 | 1801.5 | 1749.0 | 1704.8 | 1662.4 | 1654.9 | 1683.8 | 1692.1 | 1658.4 |
| 30°   | 2108.6 | 2077.5 | 2059.1 | 1996.1 | 1933.1 | 1873.7 | 1843.0 | 1854.8 | 1857.0 | 1816.8 |
| 32.5° | 2366.2 | 2358.4 | 2319.0 | 2263.9 | 2182.9 | 2089.8 | 2038.6 | 2019.8 | 2016.3 | 1959.0 |
| 35°   | 2659.8 | 2655.4 | 2613.8 | 2548.2 | 2460.7 | 2331.2 | 2238.9 | 2185.1 | 2180.7 | 2100.3 |
| 37.5° | 2958.1 | 2958.1 | 2917.4 | 2845.7 | 2755.1 | 2593.3 | 2452.9 | 2367.5 | 2353.5 | 2248.6 |
| 40°   | 3196.1 | 3181.7 | 3189.1 | 3158.9 | 3055.2 | 2883.3 | 2690.4 | 2566.6 | 2547.8 | 2421.8 |
| 42.5° | 3331.3 | 3326.5 | 3371.1 | 3404.8 | 3362.3 | 3225.0 | 2952.0 | 2782.3 | 2756.0 | 2612.5 |
| 45°   | 3361.5 | 3356.2 | 3435.8 | 3559.2 | 3618.7 | 3562.3 | 3236.3 | 3009.3 | 2977.4 | 2812.0 |
| 47.5° | 3291.9 | 3281.4 | 3398.2 | 3592.9 | 3783.6 | 3882.9 | 3544.3 | 3255.6 | 3209.2 | 3006.2 |
| 50°   | 3082.8 | 3072.7 | 3249.5 | 3508.0 | 3839.2 | 4100.8 | 3878.5 | 3516.8 | 3445.9 | 3214.5 |
| 52.5° | 2628.3 | 2633.1 | 2910.0 | 3265.2 | 3766.1 | 4236.4 | 4166.4 | 3791.9 | 3706.6 | 3427.5 |
| 55°   | 2047.3 | 2057.8 | 2398.2 | 2789.3 | 3473.9 | 4215.8 | 4362.8 | 4075.4 | 3990.5 | 3627.9 |
| 57.5° | 1465.9 | 1512.3 | 1831.2 | 2218.4 | 2912.6 | 3889.9 | 4405.7 | 4344.9 | 4262.6 | 3846.6 |
| 60°   | 950.2  | 958.5  | 1286.6 | 1676.8 | 2217.9 | 3310.7 | 4318.6 | 4549.2 | 4484.9 | 4069.7 |
| 62.5° | 608.9  | 614.6  | 814.6  | 1172.8 | 1596.3 | 2449.4 | 4025.5 | 4638.0 | 4618.3 | 4217.1 |
| 65°   | 447.5  | 443.1  | 547.3  | 775.2  | 1075.3 | 1510.6 | 3456.4 | 4595.1 | 4634.0 | 4309.4 |
| 67.5° | 373.6  | 367.5  | 418.7  | 536.8  | 792.2  | 857.9  | 2557.4 | 4316.4 | 4459.1 | 4298.9 |
| 70°   | 340.3  | 335.1  | 366.2  | 398.5  | 618.1  | 574.4  | 1289.2 | 3752.6 | 3972.2 | 4179.5 |
| 72.5° | 288.3  | 279.1  | 321.5  | 353.9  | 480.8  | 440.5  | 532.8  | 2882.4 | 3150.2 | 3796.7 |
| 75°   | 223.5  | 217.4  | 253.7  | 311.5  | 361.3  | 343.8  | 336.8  | 1750.3 | 2042.5 | 2936.2 |
| 77.5° | 177.2  | 168.9  | 202.1  | 242.8  | 325.0  | 259.4  | 245.4  | 753.7  | 1043.3 | 1874.5 |
| 80°   | 133.4  | 126.0  | 153.5  | 192.0  | 249.8  | 195.5  | 158.8  | 307.5  | 393.3  | 949.7  |
| 82.5° | 94.9   | 88.4   | 107.2  | 140.9  | 168.0  | 175.4  | 97.6   | 172.4  | 193.8  | 366.2  |
| 85°   | 60.8   | 56.9   | 71.7   | 88.4   | 106.7  | 112.9  | 59.5   | 90.1   | 98.9   | 150.9  |
| 87.5° | 33.2   | 27.1   | 38.5   | 41.1   | 49.4   | 45.1   | 28.4   | 32.8   | 35.4   | 54.7   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 929.2  | 0°    | 929.2  | 929.2  | 929.2  | 929.2  | 929.2  | 929.2  | 929.2  | 929.2  | 929.2  | 929.2  |
| 930.9  | 2.5°  | 932.7  | 934.0  | 938.4  | 939.7  | 942.7  | 946.7  | 949.3  | 951.9  | 951.9  | 954.5  |
| 944.9  | 5°    | 945.4  | 948.4  | 957.6  | 962.4  | 970.3  | 978.2  | 983.0  | 988.7  | 992.2  | 993.9  |
| 967.2  | 7.5°  | 969.9  | 974.7  | 987.8  | 996.1  | 1009.7 | 1020.6 | 1028.0 | 1035.9 | 1037.7 | 1042.5 |
| 998.3  | 10°   | 1003.1 | 1008.8 | 1023.7 | 1039.4 | 1055.6 | 1069.2 | 1076.2 | 1081.8 | 1084.0 | 1084.9 |
| 1038.1 | 12.5° | 1041.2 | 1049.5 | 1068.7 | 1088.0 | 1105.0 | 1116.8 | 1118.6 | 1117.3 | 1111.2 | 1105.9 |
| 1087.1 | 15°   | 1088.0 | 1095.4 | 1116.8 | 1137.8 | 1154.5 | 1156.7 | 1145.7 | 1138.7 | 1131.3 | 1130.0 |
| 1141.8 | 17.5° | 1144.0 | 1147.9 | 1167.6 | 1188.1 | 1189.5 | 1182.0 | 1165.8 | 1159.3 | 1152.3 | 1147.5 |
| 1213.1 | 20°   | 1209.1 | 1207.8 | 1221.8 | 1230.6 | 1221.4 | 1198.6 | 1174.1 | 1163.2 | 1156.2 | 1150.5 |
| 1300.6 | 22.5° | 1287.0 | 1277.0 | 1275.2 | 1273.0 | 1248.5 | 1200.8 | 1167.6 | 1153.6 | 1142.7 | 1134.8 |
| 1422.6 | 25°   | 1400.3 | 1361.8 | 1335.1 | 1320.3 | 1265.1 | 1189.0 | 1146.6 | 1115.5 | 1095.0 | 1081.4 |
| 1571.8 | 27.5° | 1542.1 | 1477.3 | 1409.9 | 1373.6 | 1265.1 | 1165.0 | 1095.8 | 1045.5 | 1011.9 | 997.9  |
| 1716.2 | 30°   | 1677.2 | 1609.4 | 1510.1 | 1437.9 | 1262.1 | 1125.6 | 1014.0 | 944.0  | 904.7  | 890.7  |
| 1839.5 | 32.5° | 1792.7 | 1718.8 | 1616.4 | 1508.4 | 1254.6 | 1061.7 | 912.5  | 835.1  | 797.1  | 780.4  |
| 1961.6 | 35°   | 1899.9 | 1821.2 | 1723.2 | 1585.8 | 1235.0 | 968.1  | 801.0  | 741.9  | 699.5  | 672.8  |
| 2085.8 | 37.5° | 2009.7 | 1916.1 | 1824.2 | 1655.8 | 1199.5 | 858.7  | 715.3  | 664.9  | 615.1  | 579.2  |
| 2217.9 | 40°   | 2129.1 | 2017.1 | 1932.3 | 1697.4 | 1141.3 | 754.6  | 648.8  | 602.8  | 549.9  | 511.8  |
| 2370.2 | 42.5° | 2268.7 | 2138.3 | 2052.6 | 1718.8 | 1061.7 | 680.7  | 605.4  | 560.4  | 510.5  | 479.5  |
| 2533.3 | 45°   | 2414.4 | 2271.7 | 2162.4 | 1718.4 | 972.9  | 646.1  | 591.4  | 546.8  | 491.7  | 459.3  |
| 2700.9 | 47.5° | 2567.0 | 2411.3 | 2257.3 | 1690.4 | 895.9  | 650.9  | 583.6  | 517.5  | 456.7  | 425.2  |
| 2870.2 | 50°   | 2720.1 | 2564.0 | 2349.2 | 1637.9 | 863.1  | 640.4  | 554.3  | 476.4  | 404.7  | 376.2  |
| 3029.0 | 52.5° | 2871.9 | 2726.3 | 2428.4 | 1563.1 | 829.9  | 601.5  | 516.6  | 423.0  | 383.2  | 363.5  |
| 3193.0 | 55°   | 3024.6 | 2886.8 | 2514.5 | 1454.1 | 746.7  | 556.0  | 453.6  | 402.9  | 366.2  | 348.2  |
| 3353.6 | 57.5° | 3177.7 | 3072.3 | 2596.3 | 1345.2 | 642.2  | 500.0  | 419.1  | 378.4  | 349.1  | 333.8  |
| 3487.9 | 60°   | 3337.0 | 3284.5 | 2680.8 | 1245.0 | 539.0  | 428.3  | 393.7  | 358.7  | 329.0  | 311.9  |
| 3616.9 | 62.5° | 3501.0 | 3518.1 | 2746.8 | 1116.0 | 444.0  | 384.5  | 371.0  | 335.1  | 306.2  | 290.0  |
| 3723.7 | 65°   | 3666.4 | 3743.4 | 2790.1 | 937.0  | 360.0  | 343.0  | 346.5  | 309.3  | 280.0  | 266.0  |
| 3802.0 | 67.5° | 3791.0 | 3905.7 | 2777.9 | 709.1  | 295.3  | 303.6  | 315.8  | 282.2  | 254.6  | 243.7  |
| 3789.3 | 70°   | 3805.0 | 3886.4 | 2657.1 | 485.6  | 247.2  | 265.1  | 281.7  | 255.5  | 227.0  | 219.2  |
| 3610.8 | 72.5° | 3618.7 | 3623.9 | 2320.7 | 317.2  | 209.1  | 232.7  | 245.9  | 228.4  | 200.8  | 192.9  |
| 3158.9 | 75°   | 3130.0 | 2997.1 | 1703.9 | 209.1  | 175.0  | 199.9  | 212.2  | 199.9  | 173.2  | 175.0  |
| 2363.6 | 77.5° | 2371.5 | 2122.6 | 1034.6 | 148.7  | 146.1  | 168.0  | 184.6  | 175.9  | 153.1  | 171.9  |
| 1188.6 | 80°   | 1221.8 | 1148.3 | 461.5  | 111.1  | 115.5  | 134.3  | 151.8  | 140.4  | 121.2  | 115.5  |
| 265.5  | 82.5° | 280.0  | 325.5  | 182.0  | 79.6   | 83.6   | 96.7   | 115.9  | 105.4  | 87.1   | 73.5   |
| 110.7  | 85°   | 98.0   | 107.2  | 80.5   | 49.9   | 49.0   | 60.4   | 78.7   | 70.4   | 59.1   | 47.2   |
| 46.8   | 87.5° | 31.1   | 40.7   | 30.2   | 20.1   | 21.0   | 27.1   | 36.3   | 33.2   | 27.6   | 17.9   |
| 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°   |
|--------|
| 929.2  |
| 954.5  |
| 994.8  |
| 1040.7 |
| 1082.7 |
| 1105.9 |
| 1130.0 |
| 1147.9 |
| 1151.0 |
| 1137.4 |
| 1086.7 |
| 1004.9 |
| 899.0  |
| 788.7  |
| 681.6  |
| 588.8  |
| 519.3  |
| 485.6  |
| 464.6  |
| 429.6  |
| 378.0  |
| 363.5  |
| 346.5  |
| 331.2  |
| 310.6  |
| 289.6  |
| 265.5  |
| 244.1  |
| 219.6  |
| 192.5  |
| 168.9  |
| 151.4  |
| 105.4  |
| 72.6   |
| 49.9   |
| 18.8   |
| 0.0    |