

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: P947327

Luminaire Tested: **GLAN-SB2C-950-U-T4W-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P947327  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2C-950-U-T4W-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

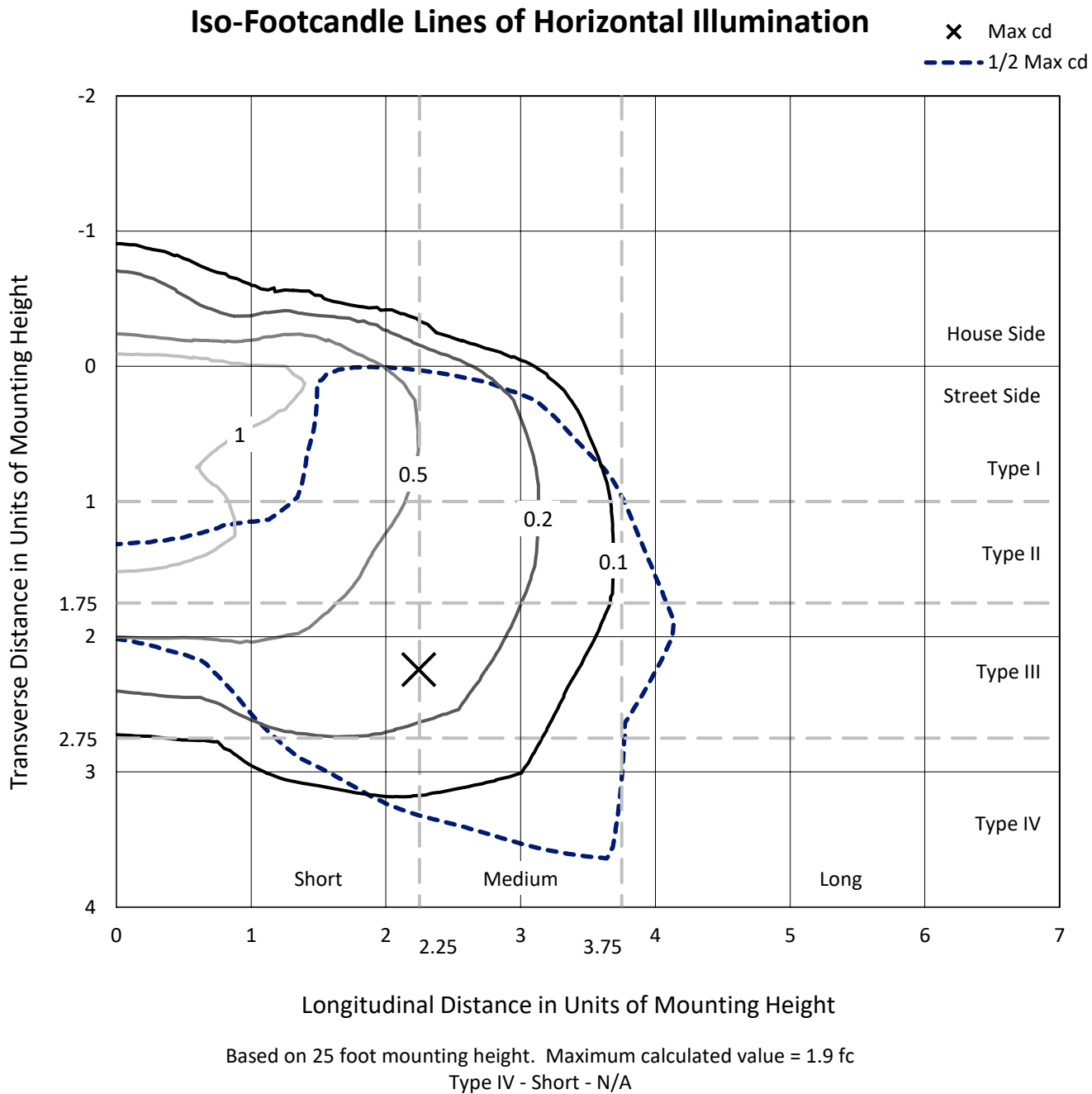
### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 8025 lumens  
Efficiency: N/A  
Efficacy: 79.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

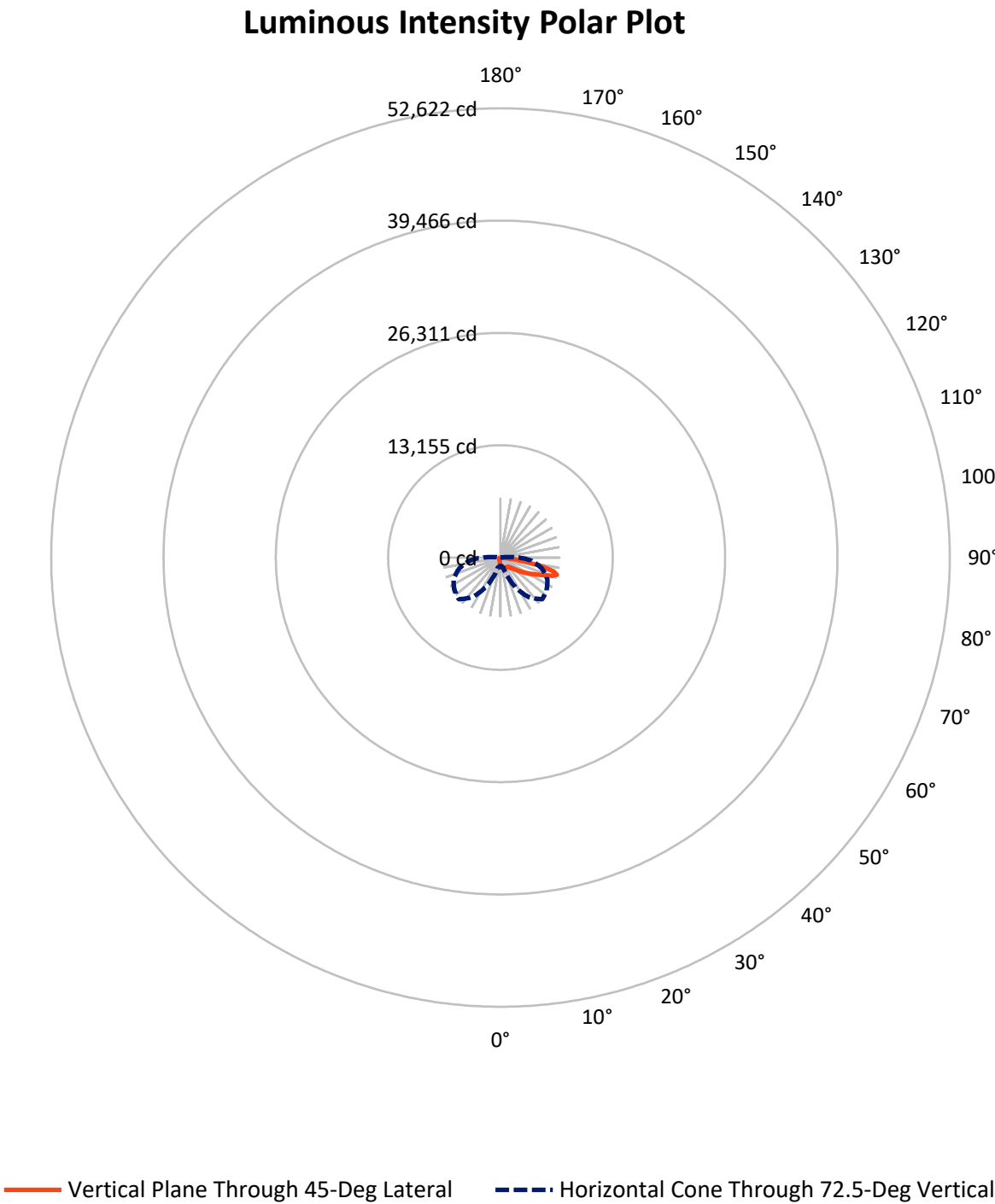
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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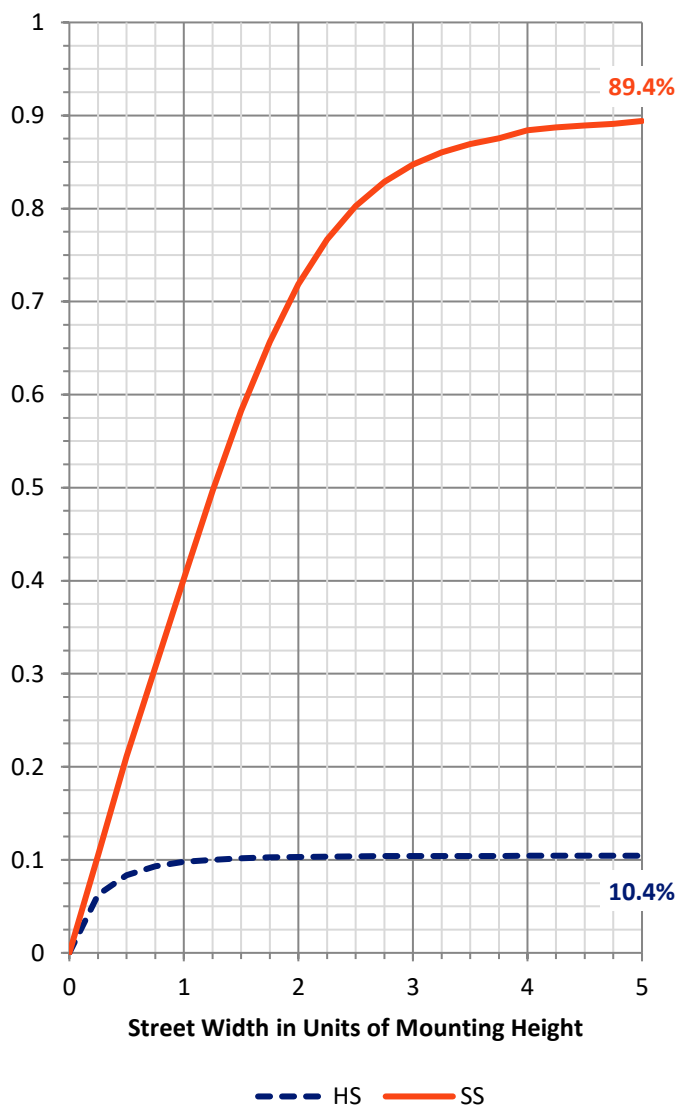
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 843.2    | 0.0    | 843.2  |
|                    | % Fixture | 10.5     | 0.0    | 10.5   |
| <b>Street Side</b> | Lumens    | 7181.8   | 0.0    | 7181.8 |
|                    | % Fixture | 89.5     | 0.0    | 89.5   |
| <b>Total</b>       | Lumens    | 8025.0   | 0.0    | 8025.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 82.8   | 1.0       |
| 10°-20°   | 242.1  | 3.0       |
| 20°-30°   | 397.5  | 5.0       |
| 30°-40°   | 563.8  | 7.0       |
| 40°-50°   | 931.9  | 11.6      |
| 50°-60°   | 1674.1 | 20.9      |
| 60°-70°   | 2324.6 | 29.0      |
| 70°-80°   | 1686.2 | 21.0      |
| 80°-90°   | 121.9  | 1.5       |
| 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°    | 8025.0 | 100.0     |
| 0°-180°   | 8025.0 | 100.0     |

**Coefficient of Utilization**



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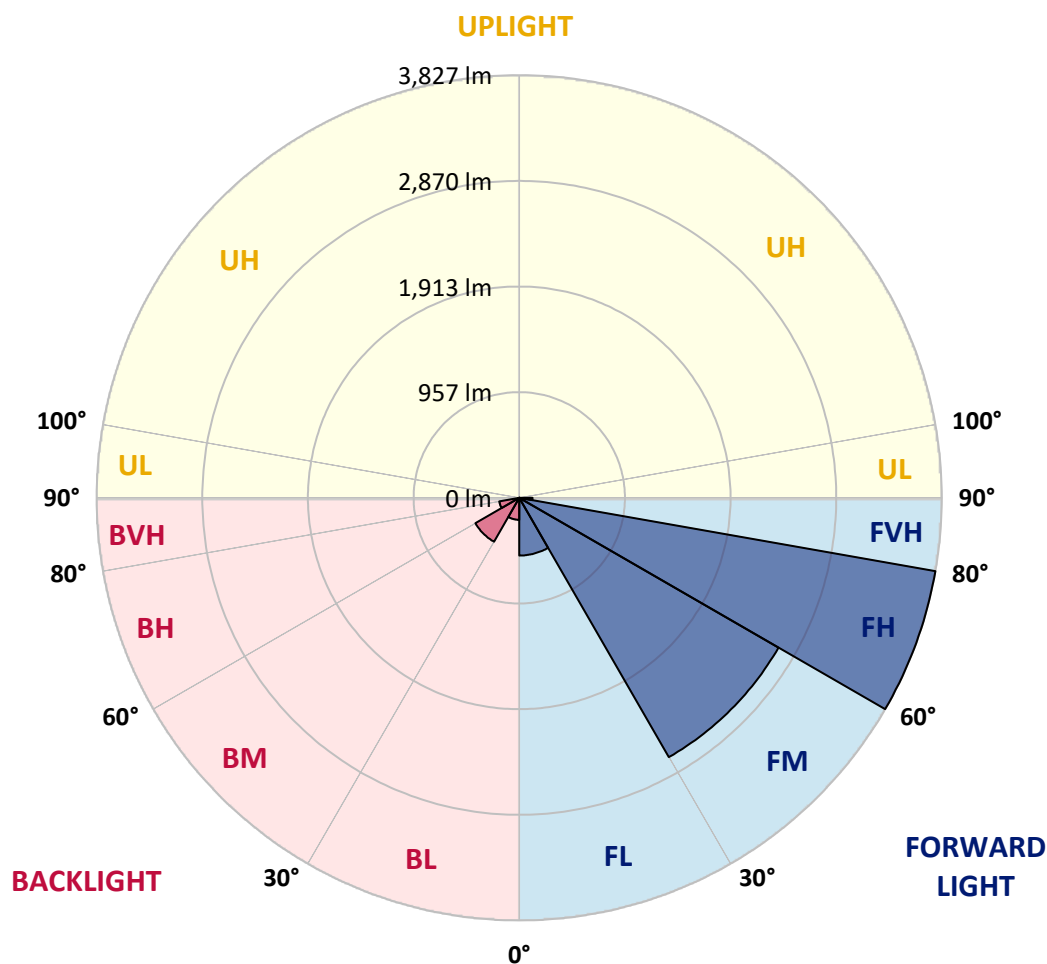
CATALOG NUMBER: GLAN-SB2C-950-U-T4W-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 522.7  | 6.5       |                         |      |         |
| FM   | (30°-60°)   | 2711.3 | 33.8      |                         |      |         |
| FH   | (60°-80°)   | 3826.9 | 47.7      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 120.9  | 1.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 199.7  | 2.5       | B1/500                  |      |         |
| BM   | (30°-60°)   | 458.6  | 5.7       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 183.9  | 2.3       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 1.0    | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 46°    | 55°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 879.2  | 879.2  | 879.2  | 879.2  | 879.2  | 879.2  | 879.2  | 879.2  | 879.2  | 879.2  |
| 2.5°  | 960.2  | 961.9  | 960.8  | 954.2  | 943.2  | 937.2  | 933.9  | 923.0  | 915.9  | 903.3  |
| 5°    | 1048.4 | 1055.0 | 1051.2 | 1038.0 | 1017.2 | 1002.4 | 998.0  | 975.6  | 955.3  | 931.7  |
| 7.5°  | 1142.1 | 1145.4 | 1138.2 | 1121.3 | 1093.3 | 1068.1 | 1064.3 | 1033.1 | 1000.8 | 964.6  |
| 10°   | 1223.1 | 1227.0 | 1216.0 | 1191.4 | 1159.6 | 1128.4 | 1122.9 | 1088.4 | 1050.1 | 1005.7 |
| 12.5° | 1291.1 | 1294.9 | 1280.7 | 1251.1 | 1216.0 | 1183.7 | 1178.2 | 1142.1 | 1099.9 | 1050.6 |
| 15°   | 1342.6 | 1349.7 | 1330.5 | 1298.7 | 1260.9 | 1228.6 | 1225.9 | 1190.3 | 1149.2 | 1094.4 |
| 17.5° | 1372.7 | 1379.8 | 1361.7 | 1323.4 | 1291.1 | 1263.7 | 1260.4 | 1230.8 | 1192.5 | 1139.9 |
| 20°   | 1377.6 | 1384.2 | 1365.0 | 1331.6 | 1304.8 | 1282.9 | 1281.2 | 1259.8 | 1231.9 | 1181.5 |
| 22.5° | 1362.8 | 1371.0 | 1353.5 | 1326.7 | 1308.1 | 1296.5 | 1294.4 | 1282.3 | 1266.4 | 1223.7 |
| 25°   | 1347.5 | 1354.1 | 1340.9 | 1317.4 | 1307.5 | 1306.4 | 1308.1 | 1305.9 | 1302.6 | 1266.4 |
| 27.5° | 1346.4 | 1353.5 | 1338.7 | 1316.3 | 1310.8 | 1322.3 | 1323.9 | 1334.3 | 1337.1 | 1305.3 |
| 30°   | 1355.7 | 1360.6 | 1346.4 | 1322.8 | 1320.1 | 1346.4 | 1346.9 | 1365.6 | 1369.9 | 1338.2 |
| 32.5° | 1376.0 | 1381.5 | 1367.2 | 1332.7 | 1328.9 | 1365.6 | 1367.2 | 1391.9 | 1399.0 | 1373.2 |
| 35°   | 1423.6 | 1430.2 | 1413.8 | 1360.1 | 1346.4 | 1383.6 | 1388.6 | 1417.6 | 1431.8 | 1410.5 |
| 37.5° | 1542.5 | 1523.3 | 1500.9 | 1415.4 | 1386.4 | 1412.1 | 1420.3 | 1454.3 | 1479.5 | 1454.9 |
| 40°   | 1837.7 | 1777.5 | 1707.4 | 1509.6 | 1456.5 | 1472.9 | 1479.5 | 1513.5 | 1548.0 | 1523.9 |
| 42.5° | 2280.9 | 2209.7 | 2096.8 | 1726.5 | 1562.2 | 1570.4 | 1575.4 | 1604.9 | 1653.7 | 1634.5 |
| 45°   | 2675.8 | 2650.1 | 2535.0 | 2096.8 | 1760.0 | 1719.4 | 1725.4 | 1740.8 | 1812.5 | 1805.4 |
| 47.5° | 2979.3 | 2964.5 | 2875.7 | 2521.9 | 2094.1 | 1901.8 | 1918.8 | 1925.9 | 2029.5 | 2054.7 |
| 50°   | 3212.6 | 3207.1 | 3127.7 | 2899.8 | 2530.7 | 2170.8 | 2176.8 | 2161.5 | 2316.5 | 2378.9 |
| 52.5° | 3432.8 | 3451.4 | 3392.8 | 3251.0 | 2996.8 | 2523.0 | 2521.9 | 2449.6 | 2658.8 | 2753.0 |
| 55°   | 3631.7 | 3638.2 | 3644.3 | 3609.2 | 3465.7 | 2923.9 | 2913.5 | 2795.2 | 3056.0 | 3153.5 |
| 57.5° | 3818.4 | 3821.2 | 3874.9 | 3946.6 | 3953.7 | 3354.5 | 3335.3 | 3193.4 | 3489.8 | 3559.3 |
| 60°   | 3943.9 | 3956.5 | 4069.9 | 4269.2 | 4356.3 | 3798.7 | 3788.3 | 3643.7 | 3931.3 | 3963.6 |
| 62.5° | 3763.1 | 3839.8 | 4125.7 | 4521.2 | 4736.5 | 4291.2 | 4286.2 | 4150.4 | 4395.8 | 4369.5 |
| 65°   | 3046.1 | 3175.9 | 3678.8 | 4691.6 | 5109.5 | 4841.1 | 4848.2 | 4703.6 | 4872.9 | 4787.4 |
| 67.5° | 2130.8 | 2267.7 | 2862.6 | 4705.3 | 5526.4 | 5486.9 | 5528.0 | 5301.2 | 5379.6 | 5187.8 |
| 70°   | 1473.5 | 1544.1 | 1931.4 | 4410.6 | 5851.2 | 6376.5 | 6375.4 | 6035.2 | 5883.5 | 5370.2 |
| 72.5° | 990.9  | 1027.6 | 1254.4 | 3499.1 | 5612.4 | 6905.1 | 6873.3 | 6596.1 | 6053.3 | 5022.4 |
| 75°   | 417.9  | 444.8  | 580.6  | 1966.5 | 4440.1 | 6317.3 | 6231.3 | 5829.3 | 5378.5 | 3954.8 |
| 77.5° | 132.6  | 144.1  | 229.0  | 703.9  | 2445.8 | 4748.5 | 4657.6 | 3640.4 | 3604.8 | 1984.0 |
| 80°   | 63.0   | 73.4   | 128.7  | 282.6  | 962.4  | 2582.7 | 2570.1 | 1651.5 | 1550.7 | 535.7  |
| 82.5° | 27.4   | 32.3   | 71.2   | 151.2  | 430.5  | 921.3  | 940.0  | 562.0  | 465.0  | 203.2  |
| 85°   | 8.8    | 11.5   | 32.9   | 69.6   | 181.9  | 229.0  | 226.2  | 133.7  | 187.3  | 110.6  |
| 87.5° | 0.0    | 0.0    | 11.0   | 15.9   | 18.6   | 13.1   | 14.8   | 11.5   | 52.0   | 30.7   |
| 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°  |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 879.2  | 0°    | 879.2  | 879.2  | 879.2 | 879.2 | 879.2 | 879.2 | 879.2 | 879.2 | 879.2 | 879.2 |
| 890.1  | 2.5°  | 883.5  | 874.8  | 859.4 | 845.2 | 832.6 | 820.0 | 812.3 | 801.4 | 800.3 | 800.3 |
| 904.4  | 5°    | 889.6  | 875.3  | 847.9 | 818.9 | 785.5 | 753.7 | 721.9 | 691.3 | 681.4 | 674.3 |
| 927.4  | 7.5°  | 907.1  | 884.6  | 841.4 | 786.0 | 722.5 | 652.9 | 604.2 | 551.6 | 531.3 | 520.4 |
| 958.0  | 10°   | 932.3  | 901.6  | 835.9 | 738.9 | 636.0 | 541.2 | 471.6 | 414.7 | 392.7 | 383.4 |
| 991.4  | 12.5° | 960.2  | 922.4  | 826.0 | 680.3 | 541.2 | 427.8 | 359.9 | 333.6 | 330.3 | 330.3 |
| 1031.4 | 15°   | 993.6  | 947.6  | 809.0 | 611.3 | 442.0 | 338.5 | 314.4 | 315.5 | 318.8 | 321.0 |
| 1070.3 | 17.5° | 1028.1 | 974.5  | 782.2 | 534.1 | 354.4 | 304.6 | 305.1 | 306.7 | 309.5 | 311.7 |
| 1112.5 | 20°   | 1065.4 | 1001.3 | 746.6 | 451.9 | 304.0 | 294.7 | 296.3 | 298.0 | 300.2 | 301.3 |
| 1151.9 | 22.5° | 1105.4 | 1026.5 | 704.4 | 371.4 | 287.0 | 286.5 | 287.0 | 288.7 | 291.4 | 291.4 |
| 1198.0 | 25°   | 1148.1 | 1054.4 | 656.2 | 312.8 | 278.3 | 278.3 | 279.4 | 280.5 | 282.6 | 282.6 |
| 1242.3 | 27.5° | 1191.9 | 1080.2 | 605.3 | 282.1 | 270.6 | 270.0 | 270.0 | 271.7 | 272.8 | 273.3 |
| 1286.1 | 30°   | 1240.1 | 1110.3 | 554.3 | 275.5 | 264.6 | 261.8 | 260.2 | 261.3 | 262.4 | 262.9 |
| 1332.2 | 32.5° | 1289.4 | 1139.3 | 508.9 | 278.3 | 258.5 | 253.6 | 248.1 | 247.0 | 247.0 | 249.2 |
| 1379.8 | 35°   | 1344.2 | 1171.1 | 473.8 | 287.6 | 255.3 | 241.6 | 232.8 | 227.9 | 228.4 | 231.7 |
| 1436.8 | 37.5° | 1409.9 | 1209.5 | 448.1 | 295.8 | 253.1 | 227.9 | 213.6 | 207.6 | 203.8 | 207.6 |
| 1515.1 | 40°   | 1495.9 | 1265.9 | 429.4 | 302.4 | 250.3 | 212.0 | 192.8 | 183.0 | 175.8 | 178.0 |
| 1636.7 | 42.5° | 1622.5 | 1354.6 | 422.3 | 302.9 | 244.3 | 193.4 | 171.4 | 158.3 | 147.9 | 148.4 |
| 1819.7 | 45°   | 1799.9 | 1494.8 | 459.0 | 295.8 | 231.2 | 173.1 | 149.0 | 131.5 | 124.9 | 123.2 |
| 2093.0 | 47.5° | 2043.1 | 1699.2 | 543.9 | 281.0 | 212.0 | 153.4 | 127.1 | 112.3 | 107.4 | 104.6 |
| 2451.8 | 50°   | 2369.1 | 1961.5 | 638.1 | 264.6 | 192.8 | 134.7 | 109.0 | 99.7  | 96.4  | 93.7  |
| 2877.4 | 52.5° | 2747.0 | 2227.7 | 715.4 | 248.1 | 173.6 | 118.3 | 97.5  | 92.0  | 89.3  | 87.1  |
| 3288.2 | 55°   | 3093.8 | 2411.2 | 711.0 | 230.6 | 155.0 | 105.2 | 89.3  | 86.0  | 82.7  | 80.5  |
| 3642.1 | 57.5° | 3309.6 | 2437.0 | 586.1 | 211.4 | 133.7 | 94.8  | 81.6  | 79.4  | 75.6  | 72.9  |
| 3948.3 | 60°   | 3408.7 | 2290.2 | 410.8 | 186.2 | 112.3 | 84.9  | 73.4  | 72.3  | 67.4  | 63.5  |
| 4238.0 | 62.5° | 3426.8 | 2017.4 | 273.9 | 155.0 | 93.7  | 75.6  | 65.2  | 63.5  | 57.0  | 50.4  |
| 4473.6 | 65°   | 3353.4 | 1627.4 | 189.5 | 121.1 | 80.0  | 65.7  | 55.9  | 52.6  | 45.5  | 38.9  |
| 4529.4 | 67.5° | 3121.1 | 1142.6 | 132.0 | 87.1  | 67.9  | 52.0  | 44.4  | 43.3  | 37.8  | 32.3  |
| 4244.6 | 70°   | 2695.5 | 651.3  | 88.2  | 65.2  | 53.7  | 35.6  | 35.1  | 36.2  | 30.7  | 26.3  |
| 3467.9 | 72.5° | 2066.7 | 298.0  | 54.8  | 47.7  | 36.7  | 24.1  | 27.9  | 28.5  | 23.6  | 19.7  |
| 2163.7 | 75°   | 1216.6 | 127.6  | 34.5  | 30.7  | 18.6  | 15.9  | 20.3  | 20.8  | 15.9  | 12.6  |
| 791.0  | 77.5° | 414.1  | 48.2   | 21.9  | 18.1  | 9.3   | 8.8   | 13.1  | 13.1  | 8.8   | 4.9   |
| 158.9  | 80°   | 94.2   | 18.1   | 11.0  | 7.1   | 4.4   | 3.8   | 4.4   | 3.8   | 2.2   | 0.5   |
| 48.8   | 82.5° | 26.8   | 7.1    | 4.4   | 2.7   | 1.6   | 1.6   | 0.5   | 0.0   | 0.0   | 0.0   |
| 17.0   | 85°   | 7.7    | 3.3    | 1.1   | 1.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 6.0    | 87.5° | 3.3    | 0.5    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 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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| 180°  |
|-------|
| 879.2 |
| 803.0 |
| 677.6 |
| 522.0 |
| 383.4 |
| 330.3 |
| 321.0 |
| 311.7 |
| 301.8 |
| 292.5 |
| 283.2 |
| 273.9 |
| 264.0 |
| 250.9 |
| 233.3 |
| 206.5 |
| 176.9 |
| 146.3 |
| 121.1 |
| 103.0 |
| 93.1  |
| 86.5  |
| 79.4  |
| 72.3  |
| 62.4  |
| 47.1  |
| 36.7  |
| 30.7  |
| 24.1  |
| 17.5  |
| 11.0  |
| 3.8   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |