

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: P852252

Luminaire Tested: **GLAN-SB2C-722-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852252  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2C-722-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8867 lumens  
Efficiency: N/A  
Efficacy: 87.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

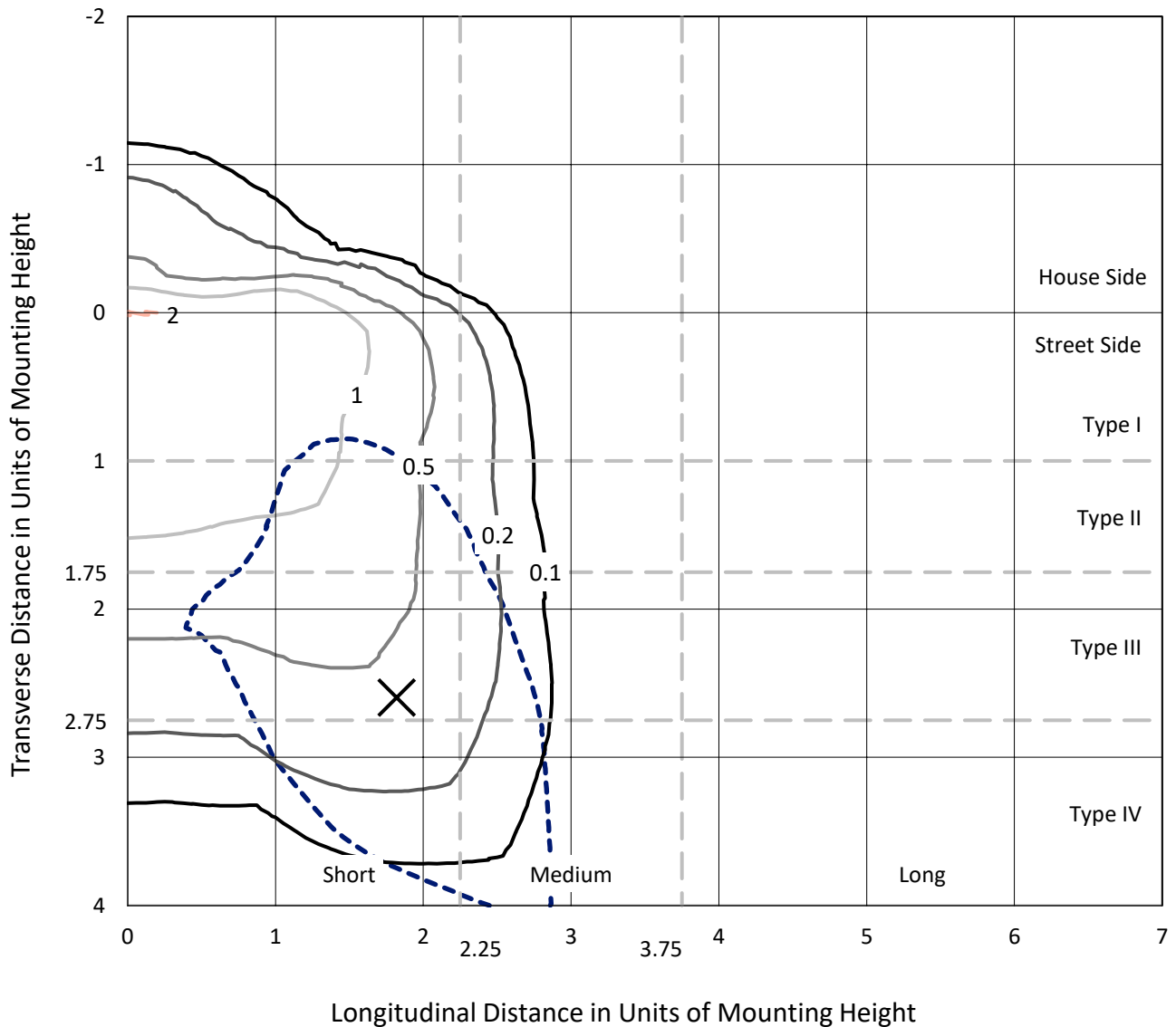
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

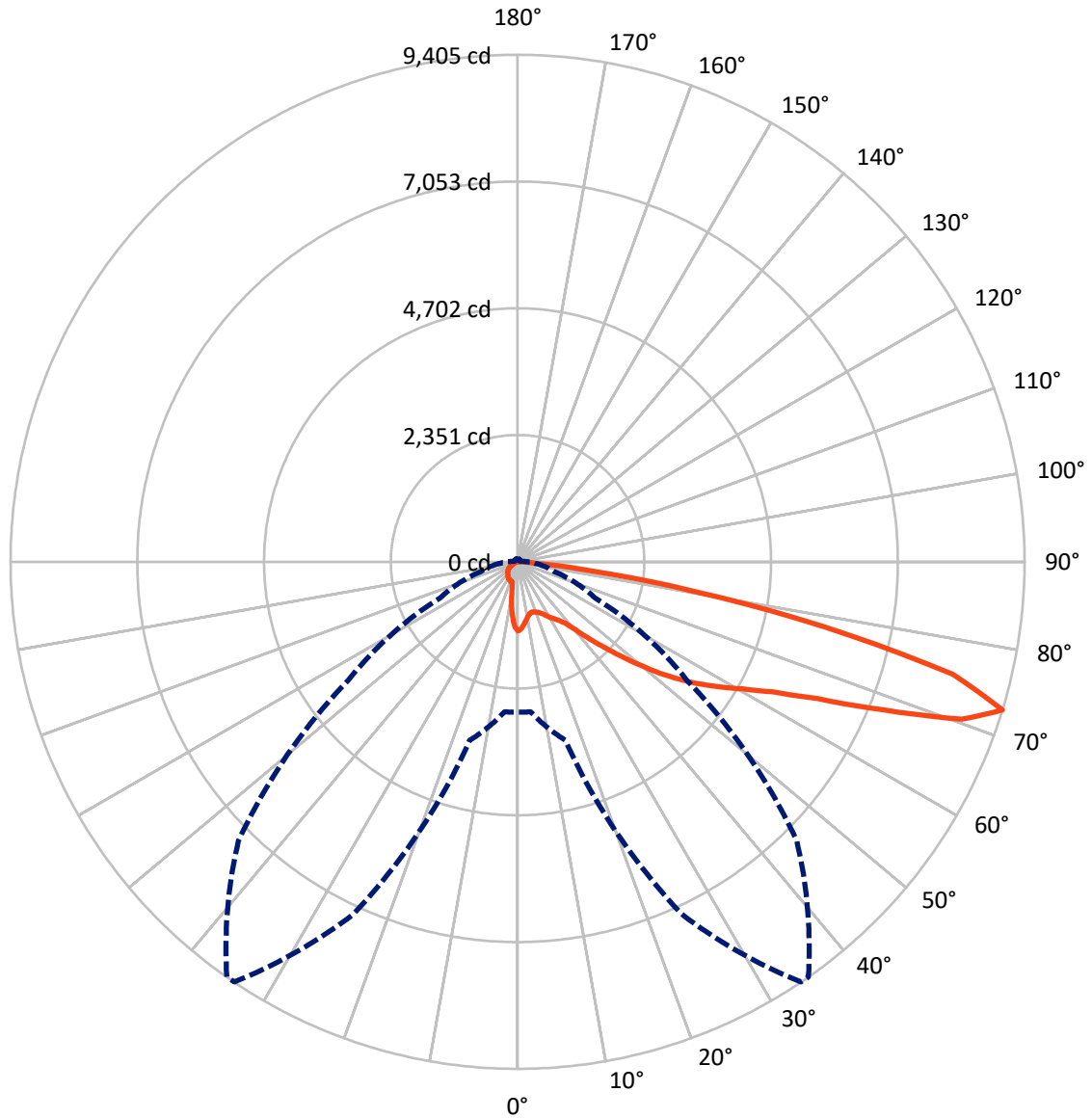
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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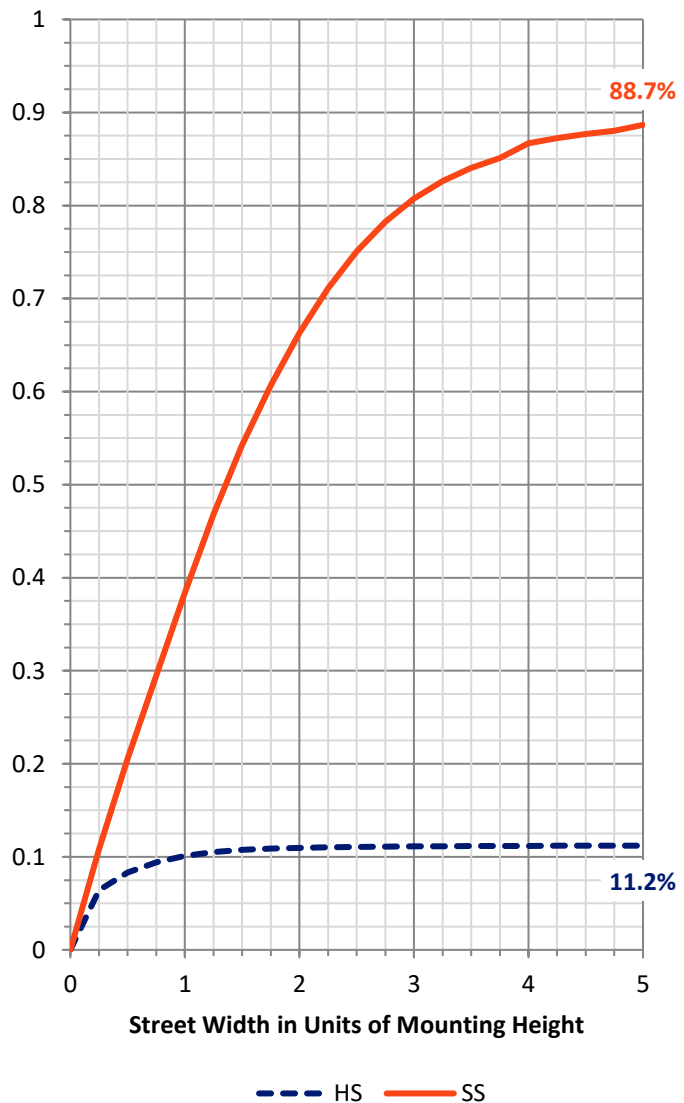
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 997.9    | 0.0    | 997.9  |
|                    | % Fixture | 11.3     | 0.0    | 11.3   |
| <b>Street Side</b> | Lumens    | 7869.1   | 0.0    | 7869.1 |
|                    | % Fixture | 88.7     | 0.0    | 88.7   |
| <b>Total</b>       | Lumens    | 8867.0   | 0.0    | 8867.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 105.6  | 1.2       |
| 10°-20°   | 247.0  | 2.8       |
| 20°-30°   | 401.3  | 4.5       |
| 30°-40°   | 669.6  | 7.6       |
| 40°-50°   | 1266.9 | 14.3      |
| 50°-60°   | 2013.1 | 22.7      |
| 60°-70°   | 2490.3 | 28.1      |
| 70°-80°   | 1548.0 | 17.5      |
| 80°-90°   | 125.1  | 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°    | 8867.0 | 100.0     |
| 0°-180°   | 8867.0 | 100.0     |

**Coefficient of Utilization**



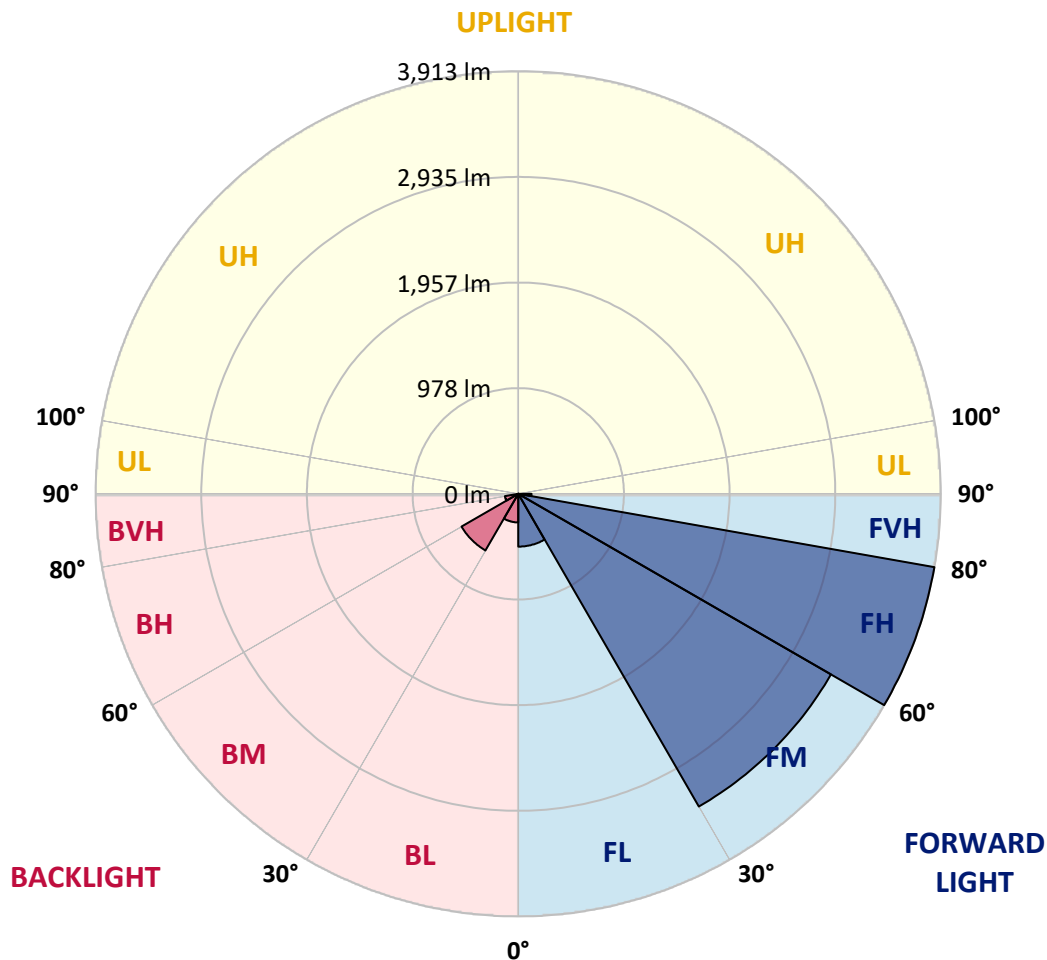
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 488.8  | 5.5       |                         |      |         |
| FM (30°-60°)   | 3343.7 | 37.7      |                         |      |         |
| FH (60°-80°)   | 3913.1 | 44.1      |                         |      | G2/5000 |
| FVH (80°-90°)  | 123.4  | 1.4       |                         |      | G2/225  |
| BL (0°-30°)    | 265.2  | 3.0       | B1/500                  |      |         |
| BM (30°-60°)   | 605.8  | 6.8       | B1/1000                 |      |         |
| BH (60°-80°)   | 125.2  | 1.4       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 1.7    | 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°    | 34°    | 35°    | 45°    | 55°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1285.1 | 1285.1 | 1285.1 | 1285.1 | 1285.1 | 1285.1 | 1285.1 | 1285.1 | 1285.1 | 1285.1 |
| 2.5°  | 1228.0 | 1238.3 | 1240.3 | 1243.5 | 1243.5 | 1247.4 | 1253.9 | 1263.0 | 1278.0 | 1285.8 |
| 5°    | 1131.8 | 1139.6 | 1149.3 | 1157.1 | 1172.1 | 1174.0 | 1199.4 | 1224.1 | 1258.5 | 1284.5 |
| 7.5°  | 1035.0 | 1044.1 | 1057.1 | 1075.9 | 1095.4 | 1101.3 | 1139.6 | 1181.2 | 1235.7 | 1284.5 |
| 10°   | 966.8  | 967.4  | 979.1  | 998.0  | 1029.1 | 1036.3 | 1083.1 | 1142.2 | 1210.4 | 1276.7 |
| 12.5° | 928.4  | 933.0  | 938.2  | 952.5  | 982.4  | 986.9  | 1036.9 | 1106.5 | 1185.1 | 1272.1 |
| 15°   | 928.4  | 931.7  | 934.9  | 942.1  | 966.1  | 970.0  | 1014.2 | 1083.7 | 1172.1 | 1274.1 |
| 17.5° | 938.2  | 943.4  | 940.8  | 949.2  | 974.6  | 977.2  | 1016.1 | 1077.2 | 1171.4 | 1286.4 |
| 20°   | 961.6  | 965.5  | 960.3  | 965.5  | 990.8  | 996.0  | 1036.3 | 1089.6 | 1182.5 | 1307.9 |
| 22.5° | 998.6  | 1000.6 | 988.2  | 992.1  | 1018.1 | 1024.6 | 1071.4 | 1124.6 | 1209.1 | 1342.3 |
| 25°   | 1045.4 | 1049.3 | 1030.4 | 1035.0 | 1059.7 | 1067.5 | 1121.4 | 1177.3 | 1251.3 | 1389.7 |
| 27.5° | 1099.3 | 1101.3 | 1085.0 | 1084.4 | 1116.2 | 1127.2 | 1181.8 | 1242.2 | 1307.9 | 1449.5 |
| 30°   | 1161.0 | 1166.9 | 1151.3 | 1148.7 | 1189.0 | 1198.1 | 1252.0 | 1322.2 | 1391.0 | 1539.2 |
| 32.5° | 1209.8 | 1214.3 | 1205.2 | 1211.7 | 1252.6 | 1259.8 | 1337.1 | 1435.2 | 1521.6 | 1666.5 |
| 35°   | 1279.9 | 1282.5 | 1261.7 | 1273.4 | 1320.2 | 1338.4 | 1453.4 | 1593.7 | 1686.0 | 1826.3 |
| 37.5° | 1534.0 | 1534.0 | 1445.6 | 1387.8 | 1432.6 | 1448.9 | 1612.6 | 1793.2 | 1888.7 | 2040.7 |
| 40°   | 1885.5 | 1879.6 | 1750.3 | 1632.1 | 1626.2 | 1658.1 | 1839.3 | 2044.6 | 2150.5 | 2298.0 |
| 42.5° | 2260.3 | 2251.2 | 2075.2 | 1958.2 | 1938.7 | 1949.8 | 2101.2 | 2354.5 | 2462.4 | 2611.8 |
| 45°   | 2593.0 | 2590.4 | 2429.3 | 2272.0 | 2237.0 | 2272.0 | 2428.0 | 2717.1 | 2794.4 | 2951.6 |
| 47.5° | 2871.7 | 2871.7 | 2754.1 | 2651.5 | 2633.3 | 2654.1 | 2870.4 | 3119.3 | 3112.1 | 3313.5 |
| 50°   | 3192.7 | 3190.1 | 3078.3 | 3034.1 | 3053.0 | 3082.2 | 3379.8 | 3542.9 | 3440.9 | 3668.9 |
| 52.5° | 3417.5 | 3433.1 | 3394.7 | 3387.6 | 3483.7 | 3534.4 | 3897.0 | 3957.4 | 3735.2 | 4006.1 |
| 55°   | 3595.5 | 3613.7 | 3657.9 | 3707.9 | 3893.1 | 3959.3 | 4397.9 | 4350.5 | 3981.4 | 4298.5 |
| 57.5° | 3847.6 | 3821.6 | 3889.8 | 3988.6 | 4288.1 | 4368.0 | 4883.2 | 4721.4 | 4179.6 | 4535.6 |
| 60°   | 4153.6 | 4157.5 | 4169.2 | 4293.9 | 4682.5 | 4785.1 | 5361.4 | 5072.3 | 4306.9 | 4681.2 |
| 62.5° | 4521.3 | 4527.2 | 4551.2 | 4742.9 | 5212.0 | 5308.8 | 5870.8 | 5359.5 | 4365.4 | 4640.2 |
| 65°   | 4496.0 | 4520.7 | 4789.0 | 5444.6 | 6017.0 | 6112.5 | 6465.3 | 5560.9 | 4277.0 | 4266.0 |
| 67.5° | 4095.8 | 4136.1 | 4585.0 | 6282.7 | 7230.6 | 7337.2 | 7183.8 | 5600.5 | 3895.7 | 3317.4 |
| 70°   | 3570.8 | 3585.1 | 4125.0 | 7036.4 | 8635.9 | 8743.8 | 7827.1 | 5164.5 | 2956.2 | 1850.4 |
| 72.5° | 2788.6 | 2791.8 | 3425.3 | 7211.1 | 9398.7 | 9404.5 | 7322.2 | 3833.9 | 1589.8 | 710.8  |
| 75°   | 1992.0 | 1972.5 | 2294.1 | 5848.0 | 8268.9 | 8335.1 | 5489.4 | 1798.4 | 607.5  | 335.9  |
| 77.5° | 1068.1 | 1089.6 | 1298.1 | 3468.1 | 5712.2 | 5825.3 | 2995.2 | 518.5  | 309.3  | 228.7  |
| 80°   | 330.1  | 348.2  | 532.1  | 1587.9 | 3235.6 | 3303.8 | 1110.4 | 230.6  | 215.7  | 163.1  |
| 82.5° | 104.0  | 107.9  | 248.2  | 667.3  | 1342.9 | 1374.1 | 321.6  | 130.6  | 147.5  | 107.9  |
| 85°   | 29.9   | 30.5   | 110.5  | 248.8  | 332.0  | 338.5  | 90.3   | 50.7   | 84.5   | 66.9   |
| 87.5° | 3.2    | 10.4   | 41.6   | 41.6   | 29.2   | 28.6   | 9.7    | 11.0   | 24.0   | 8.4    |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1285.1 | 0°    | 1285.1 | 1285.1 | 1285.1 | 1285.1 | 1285.1 | 1285.1 | 1285.1 | 1285.1 | 1285.1 | 1285.1 |
| 1291.0 | 2.5°  | 1287.7 | 1288.4 | 1279.9 | 1265.6 | 1250.0 | 1237.0 | 1220.8 | 1207.8 | 1198.7 | 1196.1 |
| 1302.7 | 5°    | 1296.8 | 1292.3 | 1268.2 | 1224.7 | 1172.7 | 1127.9 | 1077.9 | 1038.2 | 1012.2 | 1001.2 |
| 1315.0 | 7.5°  | 1310.5 | 1297.5 | 1244.8 | 1159.1 | 1059.7 | 971.3  | 881.7  | 812.1  | 768.0  | 745.9  |
| 1326.7 | 10°   | 1322.2 | 1296.2 | 1205.9 | 1064.2 | 912.2  | 778.4  | 657.5  | 573.7  | 526.9  | 504.8  |
| 1340.4 | 12.5° | 1333.2 | 1295.5 | 1155.2 | 951.8  | 745.9  | 582.1  | 469.7  | 428.2  | 415.2  | 410.6  |
| 1362.4 | 15°   | 1354.0 | 1297.5 | 1091.5 | 823.2  | 580.2  | 439.9  | 398.9  | 398.3  | 400.9  | 399.6  |
| 1396.2 | 17.5° | 1382.6 | 1299.4 | 1019.4 | 686.7  | 447.6  | 387.9  | 385.9  | 391.8  | 395.7  | 393.7  |
| 1438.5 | 20°   | 1419.6 | 1307.2 | 942.7  | 551.6  | 384.6  | 374.9  | 379.4  | 384.6  | 387.9  | 384.6  |
| 1495.0 | 22.5° | 1471.6 | 1320.9 | 858.9  | 443.1  | 364.5  | 367.1  | 371.0  | 376.8  | 380.1  | 375.5  |
| 1567.1 | 25°   | 1535.3 | 1342.3 | 776.4  | 385.3  | 354.7  | 358.0  | 363.8  | 370.3  | 374.2  | 369.7  |
| 1658.1 | 27.5° | 1617.8 | 1376.7 | 700.4  | 372.3  | 345.0  | 346.9  | 355.4  | 365.1  | 370.3  | 364.5  |
| 1787.4 | 30°   | 1737.3 | 1433.3 | 634.8  | 378.1  | 339.1  | 334.6  | 346.3  | 359.9  | 365.8  | 360.6  |
| 1963.4 | 32.5° | 1895.9 | 1513.2 | 594.5  | 387.2  | 336.5  | 320.3  | 331.4  | 348.9  | 358.6  | 355.4  |
| 2193.4 | 35°   | 2103.8 | 1634.7 | 578.9  | 397.6  | 334.6  | 305.4  | 313.2  | 332.0  | 348.9  | 352.1  |
| 2483.2 | 37.5° | 2355.8 | 1803.6 | 583.4  | 402.2  | 328.8  | 293.0  | 296.9  | 313.2  | 335.3  | 345.6  |
| 2809.3 | 40°   | 2642.4 | 2000.5 | 609.4  | 397.6  | 322.3  | 282.6  | 283.3  | 295.6  | 315.1  | 330.7  |
| 3160.2 | 42.5° | 2938.0 | 2230.5 | 657.5  | 380.7  | 316.4  | 273.5  | 271.6  | 280.0  | 293.0  | 304.1  |
| 3510.4 | 45°   | 3219.3 | 2466.9 | 704.9  | 357.3  | 309.3  | 264.4  | 259.9  | 263.1  | 265.7  | 270.3  |
| 3851.5 | 47.5° | 3464.9 | 2633.3 | 691.3  | 335.9  | 299.5  | 254.0  | 246.2  | 244.9  | 237.1  | 236.5  |
| 4156.2 | 50°   | 3634.5 | 2669.7 | 614.0  | 314.5  | 285.2  | 242.3  | 230.0  | 222.2  | 208.6  | 202.1  |
| 4384.2 | 52.5° | 3688.4 | 2526.1 | 501.6  | 293.0  | 261.8  | 226.7  | 209.2  | 196.9  | 180.0  | 174.1  |
| 4515.5 | 55°   | 3616.9 | 2244.7 | 400.9  | 267.0  | 229.3  | 206.0  | 186.5  | 170.2  | 156.6  | 149.4  |
| 4529.8 | 57.5° | 3442.2 | 1886.8 | 317.1  | 236.5  | 194.9  | 182.6  | 163.1  | 146.8  | 135.1  | 128.0  |
| 4371.2 | 60°   | 3152.4 | 1498.2 | 250.8  | 200.1  | 166.3  | 157.2  | 137.1  | 126.7  | 116.3  | 107.9  |
| 3961.9 | 62.5° | 2712.5 | 1069.4 | 196.9  | 158.5  | 139.0  | 128.6  | 116.9  | 109.2  | 96.8   | 85.1   |
| 3225.8 | 65°   | 2116.8 | 654.3  | 152.0  | 116.3  | 111.8  | 106.6  | 99.4   | 92.3   | 77.3   | 65.6   |
| 2104.4 | 67.5° | 1335.2 | 309.9  | 108.5  | 87.7   | 88.4   | 85.8   | 82.5   | 76.7   | 65.6   | 55.2   |
| 942.7  | 70°   | 588.0  | 150.1  | 71.5   | 66.9   | 65.6   | 65.6   | 68.2   | 66.3   | 55.9   | 46.1   |
| 327.5  | 72.5° | 200.1  | 80.6   | 53.3   | 50.7   | 47.4   | 46.8   | 57.2   | 55.2   | 44.8   | 35.7   |
| 163.1  | 75°   | 104.6  | 53.9   | 39.0   | 36.4   | 28.6   | 34.4   | 45.5   | 42.9   | 31.8   | 23.4   |
| 107.9  | 77.5° | 68.2   | 38.3   | 26.6   | 23.4   | 16.2   | 22.7   | 33.8   | 29.9   | 18.8   | 11.7   |
| 70.8   | 80°   | 42.9   | 25.3   | 15.6   | 11.0   | 7.8    | 12.3   | 18.2   | 13.0   | 7.1    | 2.6    |
| 41.6   | 82.5° | 22.7   | 13.0   | 5.8    | 3.9    | 3.2    | 3.9    | 4.5    | 3.2    | 1.3    | 0.0    |
| 21.4   | 85°   | 9.1    | 4.5    | 1.9    | 1.3    | 0.6    | 0.0    | 1.3    | 0.6    | 0.0    | 0.0    |
| 3.9    | 87.5° | 3.2    | 0.6    | 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°   |
| 1285.1 |
| 1200.7 |
| 1005.1 |
| 749.1  |
| 505.5  |
| 409.3  |
| 398.9  |
| 393.1  |
| 384.0  |
| 374.9  |
| 369.0  |
| 364.5  |
| 359.9  |
| 355.4  |
| 352.1  |
| 348.2  |
| 335.9  |
| 308.6  |
| 272.9  |
| 235.8  |
| 202.7  |
| 173.5  |
| 149.4  |
| 126.7  |
| 105.9  |
| 83.2   |
| 63.7   |
| 53.9   |
| 44.2   |
| 33.8   |
| 21.4   |
| 10.4   |
| 1.9    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |

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