

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: P939555

Luminaire Tested: **GLAN-SB2A-950-U-T2**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P939555  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2A-950-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 6183 lumens  
Efficiency: N/A  
Efficacy: 107.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
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

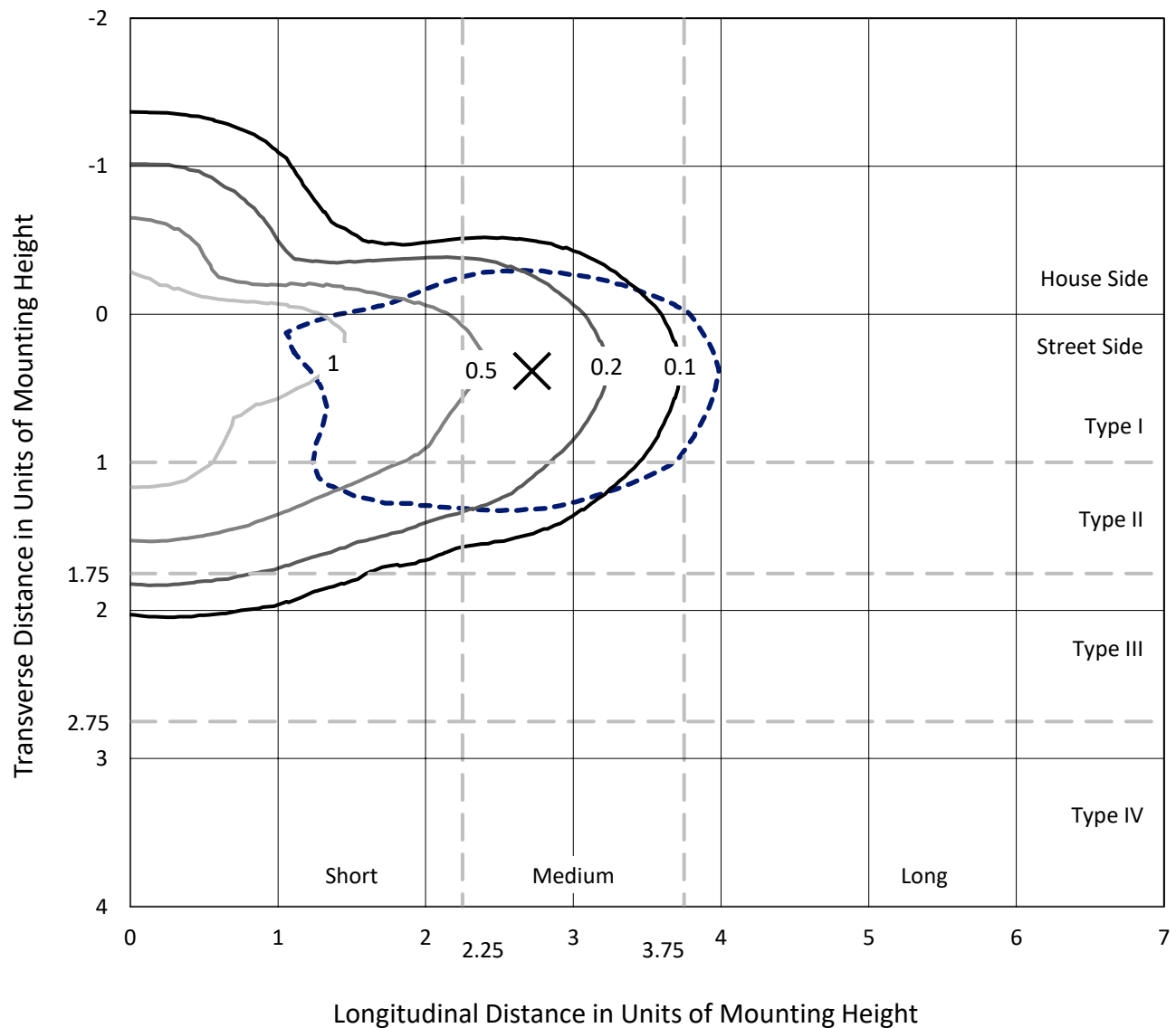


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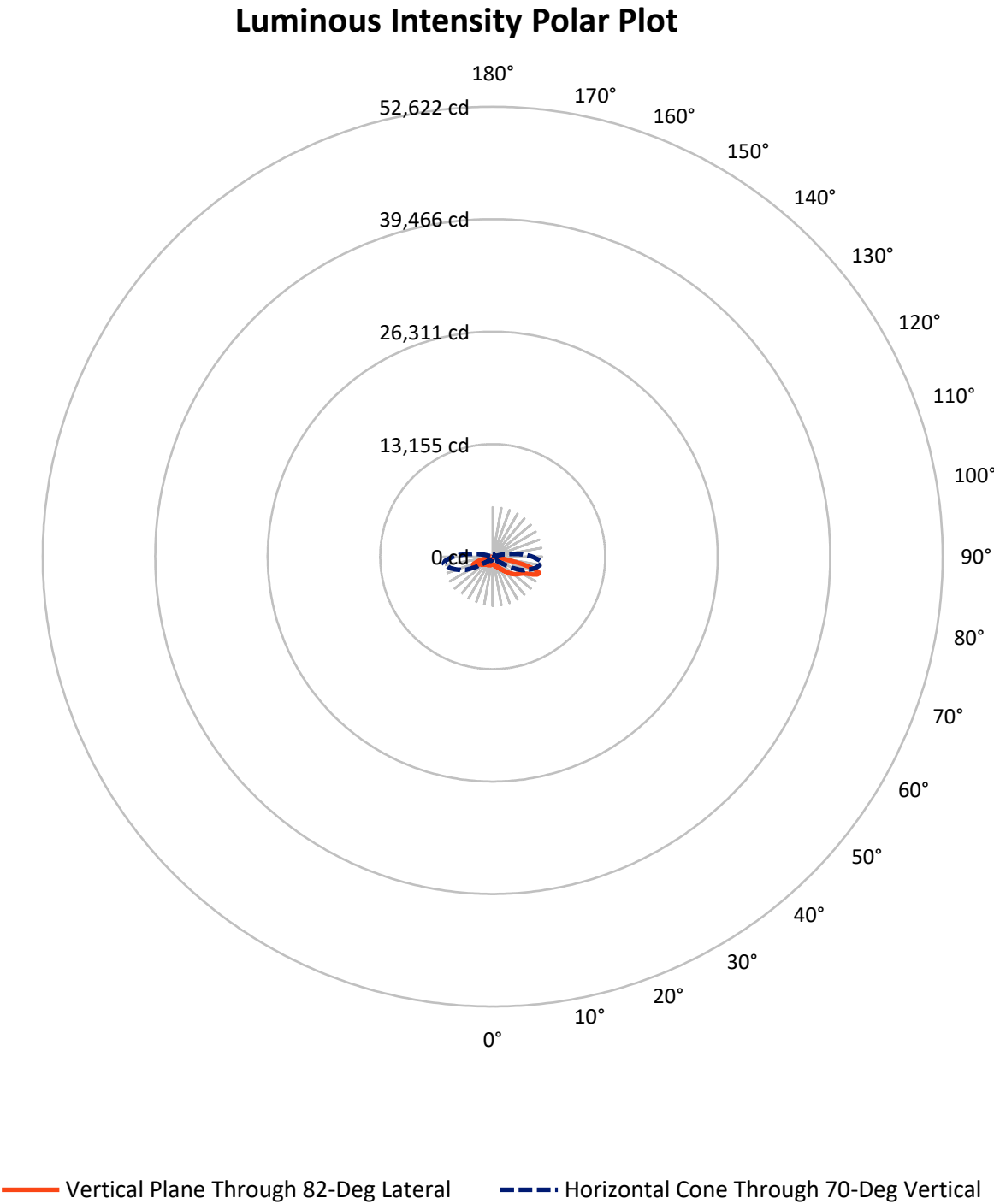
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc  
Type II - Medium - N/A

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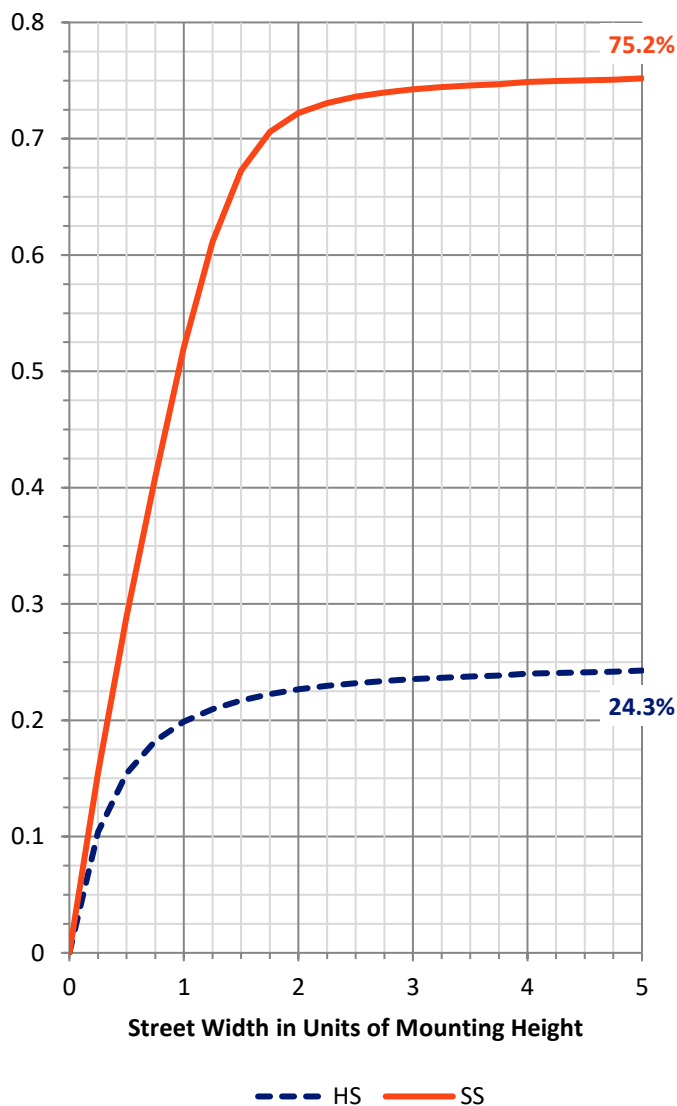
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1524.3   | 0.0    | 1524.3 |
|                    | % Fixture | 24.7     | 0.0    | 24.7   |
| <b>Street Side</b> | Lumens    | 4658.7   | 0.0    | 4658.7 |
|                    | % Fixture | 75.3     | 0.0    | 75.3   |
| <b>Total</b>       | Lumens    | 6183.0   | 0.0    | 6183.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 85.6   | 1.4       |
| 10°-20°   | 245.9  | 4.0       |
| 20°-30°   | 411.4  | 6.7       |
| 30°-40°   | 642.7  | 10.4      |
| 40°-50°   | 1023.5 | 16.6      |
| 50°-60°   | 1424.4 | 23.0      |
| 60°-70°   | 1490.0 | 24.1      |
| 70°-80°   | 778.7  | 12.6      |
| 80°-90°   | 80.9   | 1.3       |
| 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°    | 6183.0 | 100.0     |
| 0°-180°   | 6183.0 | 100.0     |

**Coefficient of Utilization**



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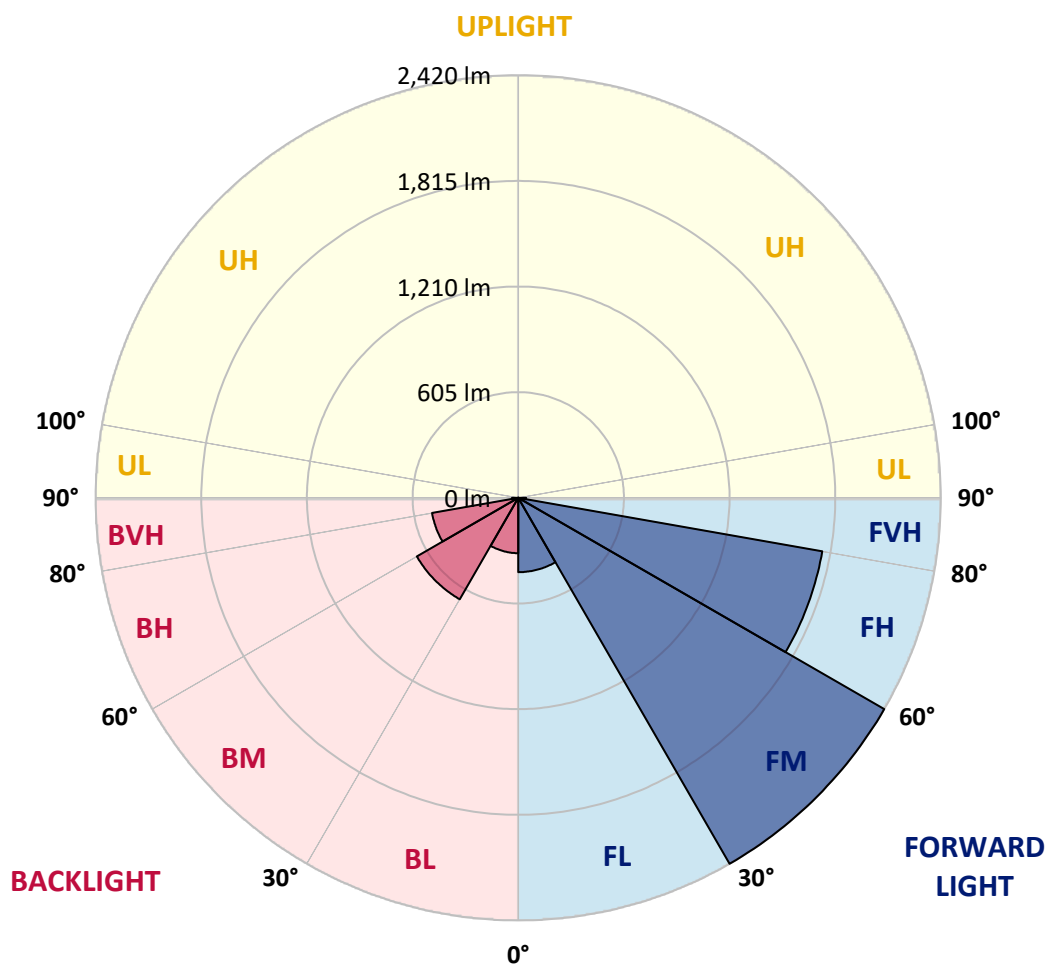
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 425.8  | 6.9       |                         |      |         |
| FM   | (30°-60°)   | 2420.0 | 39.1      |                         |      |         |
| FH   | (60°-80°)   | 1767.7 | 28.6      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 45.3   | 0.7       |                         |      | G1/100  |
| BL   | (0°-30°)    | 317.1  | 5.1       | B1/500                  |      |         |
| BM   | (30°-60°)   | 670.6  | 10.8      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 501.0  | 8.1       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 35.6   | 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 Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 82°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 906.5  | 906.5  | 906.5  | 906.5  | 906.5  | 906.5  | 906.5  | 906.5  | 906.5  | 906.5  |
| 2.5°  | 928.2  | 933.4  | 931.8  | 930.1  | 930.1  | 927.8  | 927.5  | 924.2  | 921.6  | 917.3  |
| 5°    | 940.0  | 945.5  | 944.9  | 946.2  | 950.5  | 951.5  | 952.4  | 950.5  | 945.2  | 940.0  |
| 7.5°  | 929.5  | 935.7  | 937.7  | 945.5  | 958.7  | 970.5  | 979.3  | 982.9  | 978.0  | 970.5  |
| 10°   | 894.0  | 900.9  | 907.8  | 926.5  | 949.8  | 977.7  | 1001.3 | 1015.4 | 1014.4 | 1007.2 |
| 12.5° | 822.2  | 829.4  | 844.2  | 880.6  | 923.2  | 972.5  | 1016.4 | 1045.9 | 1056.1 | 1050.9 |
| 15°   | 764.8  | 771.0  | 782.2  | 819.6  | 875.0  | 949.8  | 1022.0 | 1079.4 | 1105.3 | 1102.4 |
| 17.5° | 763.1  | 765.8  | 772.6  | 790.4  | 833.0  | 914.4  | 1016.1 | 1112.2 | 1161.8 | 1161.4 |
| 20°   | 792.0  | 793.0  | 796.9  | 800.5  | 824.8  | 887.5  | 1001.0 | 1139.4 | 1225.1 | 1225.1 |
| 22.5° | 832.0  | 831.4  | 835.3  | 832.0  | 843.8  | 885.2  | 991.5  | 1163.4 | 1295.6 | 1300.9 |
| 25°   | 892.1  | 888.8  | 887.8  | 880.3  | 882.6  | 906.5  | 1002.0 | 1190.6 | 1379.3 | 1390.1 |
| 27.5° | 972.1  | 966.9  | 963.3  | 945.9  | 940.0  | 950.5  | 1034.1 | 1223.4 | 1472.5 | 1491.2 |
| 30°   | 1076.5 | 1066.9 | 1061.7 | 1031.5 | 1010.2 | 1011.8 | 1082.7 | 1267.1 | 1569.9 | 1600.1 |
| 32.5° | 1218.8 | 1204.1 | 1190.0 | 1140.4 | 1101.4 | 1088.6 | 1145.4 | 1327.4 | 1675.5 | 1723.8 |
| 35°   | 1378.3 | 1366.5 | 1351.4 | 1274.9 | 1214.9 | 1185.4 | 1230.0 | 1411.8 | 1799.2 | 1875.7 |
| 37.5° | 1531.8 | 1521.7 | 1528.9 | 1425.9 | 1348.4 | 1305.5 | 1340.9 | 1524.9 | 1951.8 | 2064.7 |
| 40°   | 1690.6 | 1682.8 | 1683.7 | 1585.3 | 1495.1 | 1446.9 | 1475.4 | 1667.0 | 2126.7 | 2289.4 |
| 42.5° | 1863.2 | 1857.3 | 1837.6 | 1750.3 | 1649.0 | 1604.0 | 1630.3 | 1831.1 | 2314.3 | 2545.3 |
| 45°   | 2056.5 | 2052.8 | 2034.5 | 1934.4 | 1818.3 | 1767.7 | 1803.2 | 2012.2 | 2503.0 | 2786.1 |
| 47.5° | 2223.4 | 2226.4 | 2224.1 | 2139.8 | 2019.4 | 1945.2 | 1987.6 | 2201.1 | 2678.5 | 3012.5 |
| 50°   | 2303.8 | 2319.2 | 2341.9 | 2315.6 | 2240.8 | 2165.4 | 2173.6 | 2383.6 | 2845.8 | 3224.8 |
| 52.5° | 2261.8 | 2291.0 | 2352.7 | 2394.7 | 2423.6 | 2407.8 | 2385.9 | 2564.7 | 3003.3 | 3416.4 |
| 55°   | 2105.3 | 2146.3 | 2248.7 | 2350.1 | 2497.4 | 2611.9 | 2640.8 | 2765.4 | 3156.9 | 3585.0 |
| 57.5° | 1820.2 | 1886.8 | 1978.7 | 2183.7 | 2431.8 | 2710.7 | 2938.0 | 3044.0 | 3319.6 | 3765.1 |
| 60°   | 1331.4 | 1420.6 | 1534.8 | 1839.9 | 2202.1 | 2657.8 | 3191.0 | 3471.8 | 3550.9 | 3998.4 |
| 62.5° | 852.0  | 907.2  | 1012.1 | 1299.6 | 1715.9 | 2387.2 | 3268.4 | 4006.6 | 3943.0 | 4380.9 |
| 65°   | 583.3  | 618.8  | 714.9  | 876.3  | 1109.3 | 1776.9 | 3061.1 | 4407.5 | 4565.7 | 4987.3 |
| 67.5° | 423.9  | 450.8  | 532.8  | 674.2  | 722.8  | 1051.5 | 2375.4 | 4389.2 | 5171.0 | 5611.9 |
| 70°   | 309.1  | 328.1  | 397.0  | 532.8  | 556.1  | 585.0  | 1439.0 | 3731.0 | 5157.9 | 5777.9 |
| 72.5° | 229.0  | 242.1  | 288.4  | 413.4  | 450.1  | 395.0  | 712.3  | 2711.6 | 4432.1 | 5226.1 |
| 75°   | 165.7  | 175.5  | 209.6  | 316.3  | 360.2  | 300.9  | 355.3  | 1584.7 | 3091.6 | 3676.2 |
| 77.5° | 126.6  | 134.2  | 156.5  | 231.6  | 288.4  | 225.7  | 220.5  | 729.0  | 1465.9 | 1473.1 |
| 80°   | 101.7  | 106.6  | 118.8  | 163.1  | 221.1  | 169.0  | 143.7  | 294.3  | 463.3  | 392.1  |
| 82.5° | 74.8   | 83.0   | 100.4  | 114.5  | 158.1  | 116.5  | 87.6   | 148.6  | 176.2  | 151.6  |
| 85°   | 42.7   | 48.2   | 60.7   | 82.0   | 101.1  | 71.2   | 50.2   | 65.9   | 82.0   | 67.3   |
| 87.5° | 15.1   | 19.7   | 21.3   | 32.2   | 44.0   | 29.5   | 19.4   | 19.0   | 26.9   | 20.0   |
| 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):**

| 85°    |       | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 906.5  | 0°    | 906.5  | 906.5  | 906.5 | 906.5 | 906.5 | 906.5 | 906.5 | 906.5 | 906.5 | 906.5 |
| 916.3  | 2.5°  | 913.1  | 911.4  | 904.9 | 896.0 | 886.8 | 878.0 | 875.0 | 868.8 | 864.5 | 862.2 |
| 937.7  | 5°    | 931.4  | 926.2  | 910.8 | 891.1 | 870.4 | 848.1 | 832.4 | 817.9 | 807.4 | 797.6 |
| 966.9  | 7.5°  | 957.7  | 948.5  | 921.9 | 887.5 | 850.7 | 813.7 | 786.1 | 765.1 | 751.0 | 741.8 |
| 1001.0 | 10°   | 988.2  | 974.1  | 933.4 | 881.9 | 825.1 | 772.0 | 739.5 | 721.5 | 712.6 | 707.7 |
| 1040.0 | 12.5° | 1023.3 | 1003.3 | 945.2 | 869.1 | 786.1 | 725.4 | 703.1 | 697.8 | 698.2 | 698.5 |
| 1089.2 | 15°   | 1066.6 | 1038.7 | 954.7 | 841.2 | 735.2 | 689.6 | 685.7 | 694.2 | 703.1 | 707.4 |
| 1145.0 | 17.5° | 1115.5 | 1076.1 | 956.4 | 795.3 | 685.4 | 666.7 | 679.1 | 697.5 | 711.0 | 716.9 |
| 1207.4 | 20°   | 1168.0 | 1114.2 | 944.6 | 730.3 | 644.4 | 648.0 | 670.3 | 693.9 | 708.7 | 716.2 |
| 1278.6 | 22.5° | 1228.0 | 1154.9 | 916.3 | 662.1 | 610.9 | 627.6 | 653.9 | 676.8 | 692.3 | 699.8 |
| 1362.2 | 25°   | 1296.6 | 1200.5 | 872.1 | 604.7 | 582.0 | 604.7 | 630.9 | 649.9 | 662.4 | 669.3 |
| 1455.7 | 27.5° | 1372.7 | 1248.0 | 813.0 | 559.1 | 556.8 | 581.0 | 602.7 | 617.5 | 624.0 | 629.3 |
| 1555.1 | 30°   | 1449.2 | 1291.4 | 741.5 | 524.6 | 534.8 | 557.7 | 573.2 | 579.7 | 581.7 | 582.7 |
| 1666.0 | 32.5° | 1531.8 | 1328.8 | 666.3 | 496.1 | 513.8 | 535.1 | 544.3 | 547.2 | 538.1 | 531.8 |
| 1800.5 | 35°   | 1631.9 | 1368.8 | 592.9 | 473.4 | 493.1 | 511.5 | 514.4 | 511.8 | 501.0 | 488.2 |
| 1969.2 | 37.5° | 1755.6 | 1418.6 | 534.1 | 457.4 | 473.8 | 485.9 | 482.3 | 481.6 | 482.6 | 467.5 |
| 2171.9 | 40°   | 1907.2 | 1483.6 | 491.1 | 444.9 | 458.0 | 460.6 | 450.5 | 456.0 | 461.0 | 438.0 |
| 2394.4 | 42.5° | 2075.5 | 1562.0 | 463.9 | 436.4 | 444.9 | 438.7 | 422.9 | 429.1 | 428.5 | 398.3 |
| 2617.8 | 45°   | 2247.1 | 1647.3 | 454.4 | 430.1 | 432.7 | 420.3 | 402.9 | 404.5 | 390.8 | 363.5 |
| 2832.0 | 47.5° | 2417.7 | 1738.9 | 460.3 | 424.9 | 417.7 | 403.5 | 390.1 | 382.9 | 362.5 | 342.2 |
| 3037.4 | 50°   | 2585.0 | 1835.0 | 482.0 | 414.4 | 397.0 | 388.8 | 378.9 | 366.1 | 344.5 | 327.1 |
| 3231.7 | 52.5° | 2740.2 | 1931.8 | 506.2 | 397.0 | 371.1 | 376.0 | 369.8 | 355.0 | 333.7 | 315.9 |
| 3415.4 | 55°   | 2887.2 | 2028.6 | 515.8 | 373.0 | 346.8 | 364.8 | 361.2 | 334.0 | 308.4 | 294.0 |
| 3607.6 | 57.5° | 3047.3 | 2145.0 | 505.3 | 342.5 | 327.1 | 352.0 | 338.3 | 308.1 | 293.3 | 282.5 |
| 3858.0 | 60°   | 3269.1 | 2327.8 | 482.6 | 304.8 | 308.4 | 333.0 | 309.4 | 296.9 | 280.8 | 268.7 |
| 4233.3 | 62.5° | 3637.5 | 2668.7 | 446.2 | 267.4 | 286.4 | 304.8 | 295.6 | 283.1 | 266.7 | 254.9 |
| 4875.0 | 65°   | 4182.1 | 3142.4 | 377.6 | 238.2 | 261.8 | 277.2 | 280.8 | 268.4 | 251.3 | 238.8 |
| 5437.4 | 67.5° | 4641.5 | 3439.7 | 285.8 | 213.9 | 236.6 | 254.9 | 265.1 | 253.0 | 234.9 | 222.8 |
| 5569.0 | 70°   | 4616.2 | 3223.8 | 218.2 | 190.0 | 214.2 | 232.9 | 246.1 | 236.6 | 217.2 | 205.7 |
| 5058.4 | 72.5° | 4100.1 | 2696.9 | 176.5 | 165.7 | 191.6 | 210.0 | 225.7 | 218.5 | 198.8 | 187.7 |
| 3705.7 | 75°   | 3012.2 | 1914.4 | 141.1 | 141.1 | 163.4 | 186.0 | 203.4 | 198.8 | 180.8 | 172.9 |
| 1555.8 | 77.5° | 1269.7 | 803.2  | 110.6 | 117.1 | 135.8 | 159.8 | 181.4 | 183.1 | 167.3 | 177.2 |
| 411.4  | 80°   | 337.6  | 221.5  | 84.3  | 92.2  | 106.6 | 131.9 | 157.8 | 157.2 | 140.1 | 130.9 |
| 152.9  | 82.5° | 128.6  | 87.3   | 60.0  | 65.0  | 77.1  | 101.1 | 125.0 | 128.9 | 111.9 | 96.8  |
| 60.0   | 85°   | 49.5   | 37.4   | 37.1  | 39.0  | 44.9  | 66.9  | 94.5  | 97.8  | 84.3  | 71.5  |
| 16.7   | 87.5° | 12.8   | 11.2   | 13.8  | 13.1  | 20.7  | 35.8  | 54.1  | 56.1  | 51.5  | 29.9  |
| 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°  |
|-------|
| 906.5 |
| 864.8 |
| 801.5 |
| 743.8 |
| 709.0 |
| 699.2 |
| 707.0 |
| 718.2 |
| 718.2 |
| 701.8 |
| 671.3 |
| 631.2 |
| 585.0 |
| 533.8 |
| 488.9 |
| 468.5 |
| 438.7 |
| 398.0 |
| 364.5 |
| 342.2 |
| 325.8 |
| 316.3 |
| 292.7 |
| 281.5 |
| 268.0 |
| 254.9 |
| 239.5 |
| 223.1 |
| 206.7 |
| 187.7 |
| 170.6 |
| 160.8 |
| 121.7 |
| 96.8  |
| 73.8  |
| 42.7  |
| 0.0   |