

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: P945405

Luminaire Tested: **GLAN-SB1B-840-U-SL3**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P945405  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1B-840-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 4000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 5266 lumens  
Efficiency: N/A  
Efficacy: 132.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2

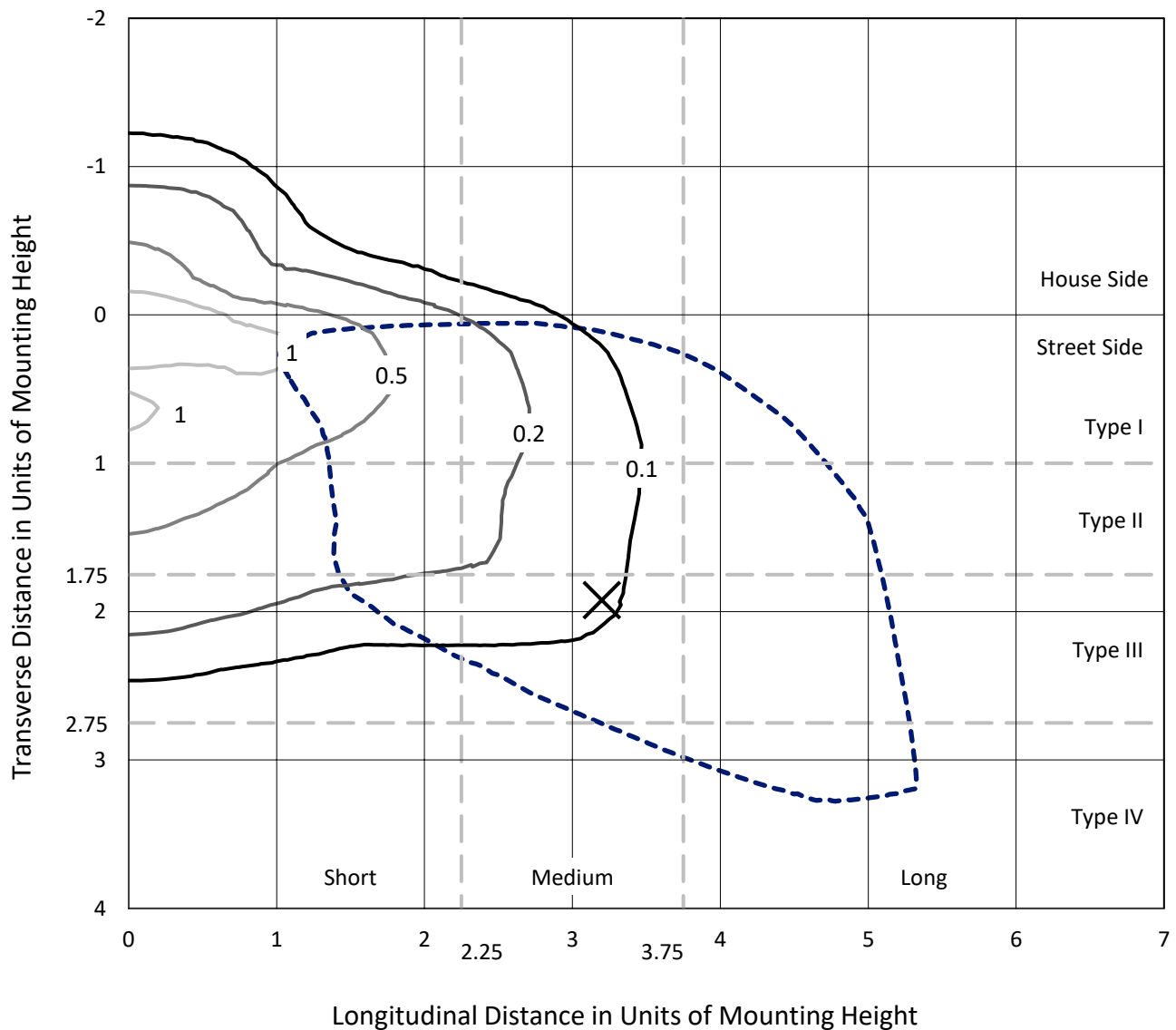
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

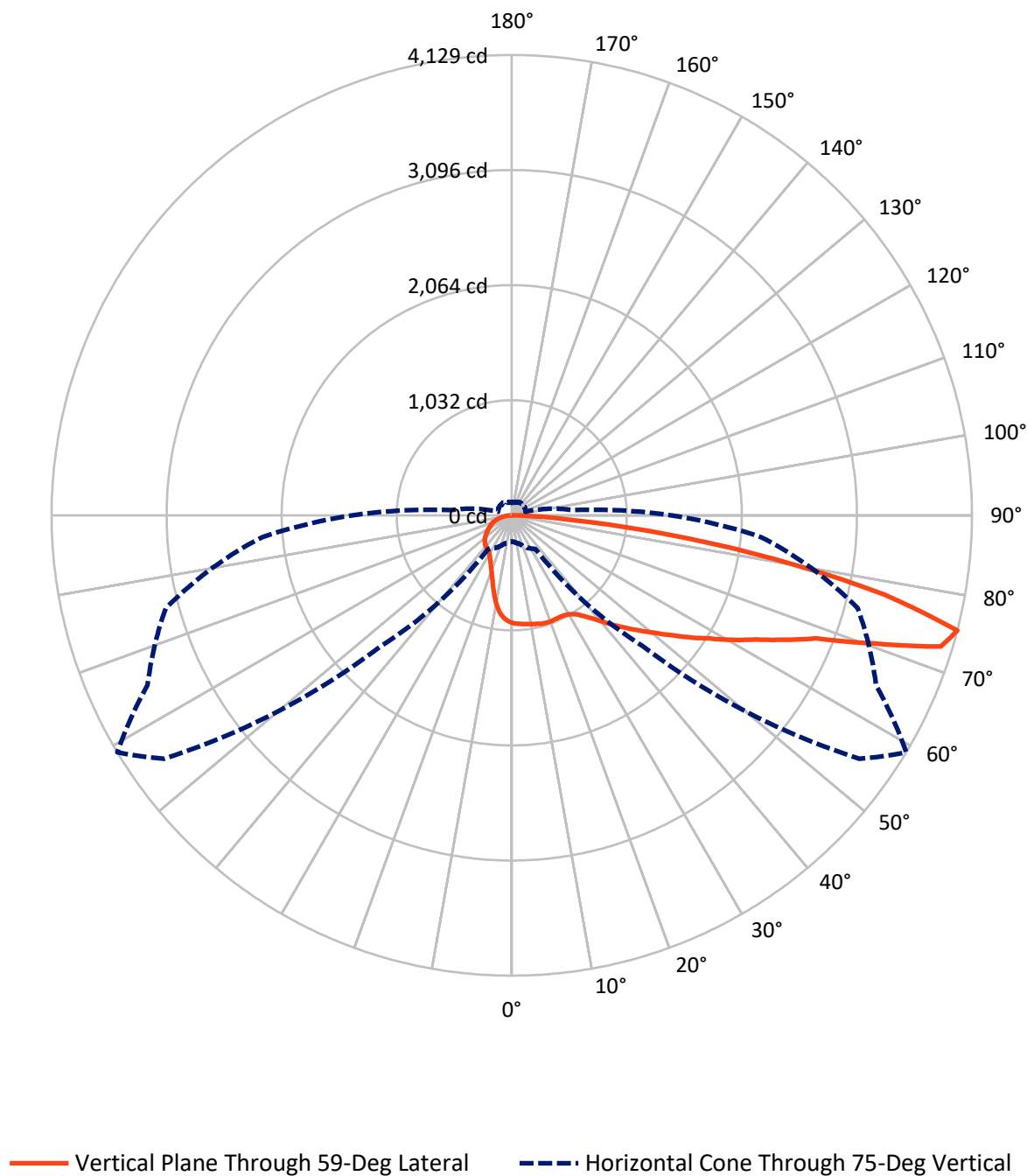
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc  
Type IV - Medium - N/A

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## Luminous Intensity Polar Plot



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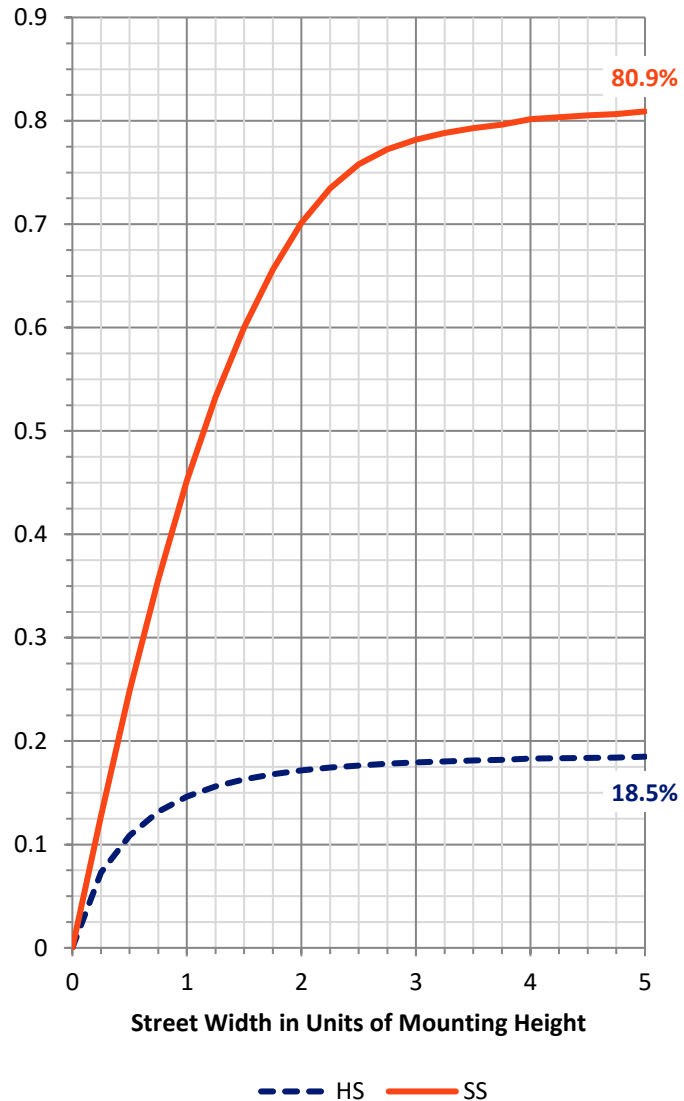
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 987.7    | 0.0    | 987.7  |
|                    | % Fixture | 18.8     | 0.0    | 18.8   |
| <b>Street Side</b> | Lumens    | 4278.3   | 0.0    | 4278.3 |
|                    | % Fixture | 81.2     | 0.0    | 81.2   |
| <b>Total</b>       | Lumens    | 5266.0   | 0.0    | 5266.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 86.7   | 1.6       |
| 10°-20°   | 221.5  | 4.2       |
| 20°-30°   | 336.5  | 6.4       |
| 30°-40°   | 500.2  | 9.5       |
| 40°-50°   | 743.8  | 14.1      |
| 50°-60°   | 1009.7 | 19.2      |
| 60°-70°   | 1232.7 | 23.4      |
| 70°-80°   | 967.4  | 18.4      |
| 80°-90°   | 167.6  | 3.2       |
| 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°    | 5266.0 | 100.0     |
| 0°-180°   | 5266.0 | 100.0     |

**Coefficient of Utilization**



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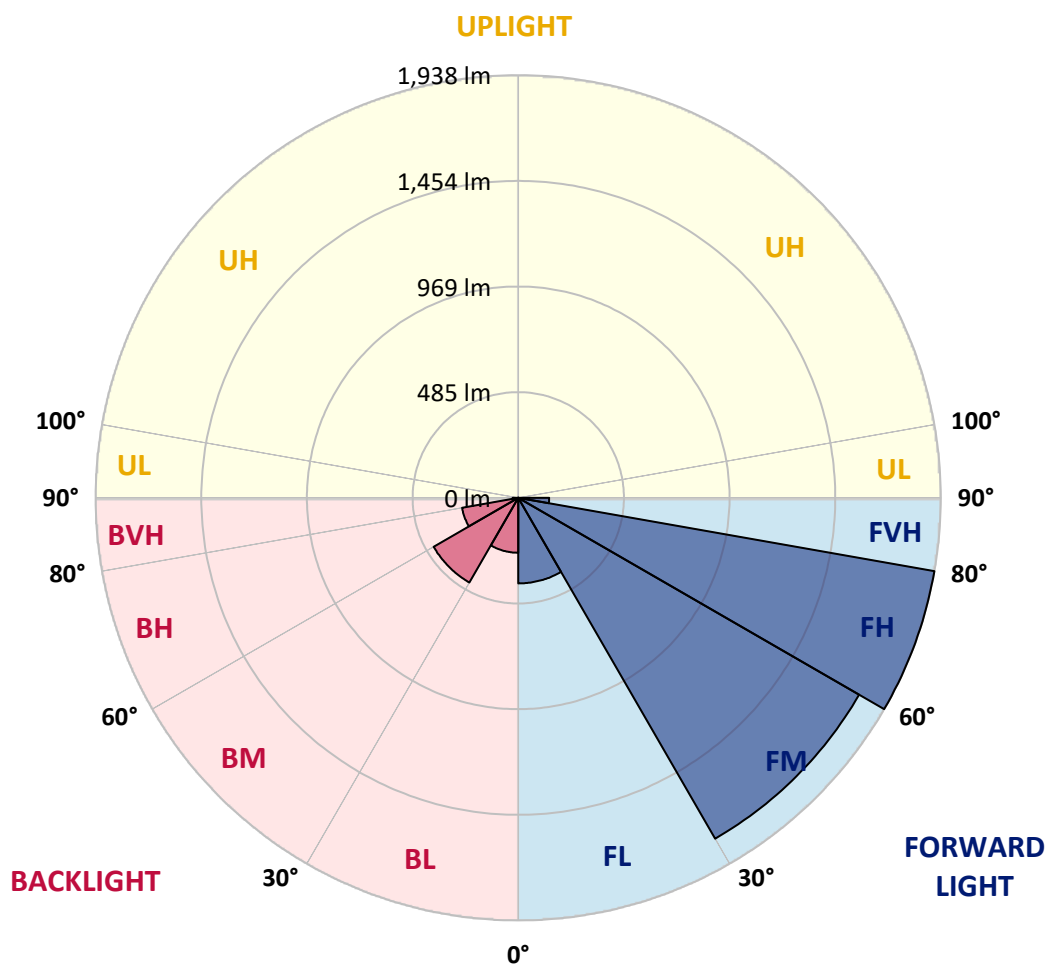
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 392.6  | 7.5       |                         |      |         |
| FM   | (30°-60°)   | 1805.4 | 34.3      |                         |      |         |
| FH   | (60°-80°)   | 1938.4 | 36.8      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 141.9  | 2.7       |                         |      | G2/225  |
| BL   | (0°-30°)    | 252.0  | 4.8       | B1/500                  |      |         |
| BM   | (30°-60°)   | 448.3  | 8.5       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 261.7  | 5.0       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 25.7   | 0.5       |                         |      | G1/100  |
| 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 Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 59°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 966.6  | 966.6  | 966.6  | 966.6  | 966.6  | 966.6  | 966.6  | 966.6  | 966.6  | 966.6  |
| 2.5°  | 974.8  | 971.4  | 974.8  | 973.4  | 972.8  | 971.7  | 971.9  | 973.9  | 972.8  | 974.2  |
| 5°    | 968.3  | 966.3  | 969.7  | 968.8  | 972.5  | 973.1  | 976.8  | 979.0  | 980.4  | 980.7  |
| 7.5°  | 957.5  | 955.5  | 960.3  | 964.3  | 972.2  | 974.5  | 982.1  | 985.8  | 987.8  | 991.2  |
| 10°   | 918.1  | 917.3  | 929.2  | 944.2  | 962.9  | 974.5  | 986.1  | 992.3  | 995.5  | 1004.5 |
| 12.5° | 848.4  | 849.6  | 865.1  | 894.0  | 931.4  | 968.8  | 990.6  | 999.7  | 1004.5 | 1015.9 |
| 15°   | 781.9  | 781.6  | 798.6  | 829.5  | 881.9  | 943.9  | 992.9  | 1008.5 | 1016.7 | 1033.4 |
| 17.5° | 743.3  | 742.2  | 754.1  | 777.6  | 826.3  | 905.7  | 987.2  | 1013.3 | 1030.9 | 1051.8 |
| 20°   | 736.3  | 734.0  | 740.2  | 751.8  | 786.4  | 863.7  | 972.5  | 1013.3 | 1042.2 | 1069.4 |
| 22.5° | 762.0  | 758.3  | 755.8  | 754.4  | 769.7  | 829.2  | 955.8  | 1009.9 | 1058.9 | 1094.6 |
| 25°   | 813.9  | 808.2  | 795.2  | 782.4  | 777.9  | 813.6  | 941.1  | 1009.1 | 1083.8 | 1128.6 |
| 27.5° | 897.7  | 890.6  | 864.3  | 833.7  | 806.2  | 821.5  | 934.6  | 1014.2 | 1111.3 | 1164.6 |
| 30°   | 1001.7 | 994.0  | 960.9  | 913.9  | 864.6  | 851.0  | 942.8  | 1029.2 | 1146.4 | 1212.5 |
| 32.5° | 1094.9 | 1086.4 | 1058.1 | 1010.2 | 943.6  | 902.0  | 968.8  | 1057.8 | 1201.7 | 1279.0 |
| 35°   | 1177.6 | 1167.7 | 1142.2 | 1098.0 | 1040.5 | 973.6  | 1015.9 | 1108.5 | 1280.2 | 1387.2 |
| 37.5° | 1258.6 | 1247.0 | 1219.3 | 1172.5 | 1132.3 | 1069.1 | 1080.7 | 1173.6 | 1384.4 | 1518.7 |
| 40°   | 1349.3 | 1332.6 | 1298.9 | 1252.7 | 1213.6 | 1181.0 | 1166.0 | 1253.5 | 1490.4 | 1665.4 |
| 42.5° | 1437.1 | 1421.2 | 1381.0 | 1341.6 | 1292.6 | 1283.3 | 1264.9 | 1347.0 | 1606.2 | 1826.6 |
| 45°   | 1531.7 | 1512.7 | 1464.0 | 1414.2 | 1383.3 | 1351.3 | 1360.6 | 1440.5 | 1719.8 | 1990.9 |
| 47.5° | 1620.4 | 1599.1 | 1541.6 | 1486.1 | 1469.1 | 1408.5 | 1448.4 | 1543.3 | 1837.9 | 2157.5 |
| 50°   | 1668.3 | 1647.3 | 1599.4 | 1549.3 | 1536.0 | 1479.0 | 1543.6 | 1656.4 | 1961.7 | 2323.5 |
| 52.5° | 1708.2 | 1685.5 | 1622.9 | 1595.2 | 1591.2 | 1555.8 | 1660.9 | 1785.5 | 2085.5 | 2470.2 |
| 55°   | 1750.7 | 1725.5 | 1645.6 | 1620.7 | 1638.8 | 1641.9 | 1800.0 | 1932.0 | 2216.4 | 2613.3 |
| 57.5° | 1799.7 | 1767.7 | 1667.4 | 1642.2 | 1685.3 | 1742.8 | 1959.8 | 2083.8 | 2345.0 | 2745.9 |
| 60°   | 1845.9 | 1813.6 | 1709.3 | 1676.5 | 1735.4 | 1859.8 | 2143.0 | 2267.7 | 2490.6 | 2864.0 |
| 62.5° | 1854.9 | 1828.3 | 1742.8 | 1742.5 | 1803.4 | 1996.3 | 2360.0 | 2453.2 | 2617.8 | 2980.7 |
| 65°   | 1698.0 | 1681.3 | 1630.6 | 1739.9 | 1900.8 | 2192.9 | 2601.7 | 2690.6 | 2779.6 | 3082.7 |
| 67.5° | 1292.3 | 1294.6 | 1290.9 | 1502.0 | 1822.1 | 2475.3 | 2951.5 | 2944.7 | 2979.3 | 3197.1 |
| 70°   | 590.9  | 604.2  | 690.9  | 1036.8 | 1459.8 | 2507.9 | 3530.0 | 3441.9 | 3230.0 | 3345.3 |
| 72.5° | 319.3  | 329.5  | 364.9  | 502.3  | 877.6  | 2229.7 | 3962.3 | 4024.9 | 3563.4 | 3445.0 |
| 75°   | 234.3  | 239.9  | 264.6  | 319.3  | 368.6  | 1657.2 | 3807.3 | 4128.6 | 3605.1 | 3212.4 |
| 77.5° | 175.4  | 177.9  | 198.0  | 253.0  | 188.7  | 873.6  | 3042.2 | 3419.2 | 3086.1 | 2639.4 |
| 80°   | 127.2  | 130.0  | 145.0  | 189.8  | 132.3  | 319.5  | 2088.9 | 2400.0 | 2113.6 | 1682.4 |
| 82.5° | 87.8   | 89.0   | 95.5   | 129.2  | 92.4   | 124.1  | 1185.3 | 1407.4 | 1179.9 | 590.4  |
| 85°   | 53.0   | 54.4   | 57.2   | 75.4   | 52.4   | 58.9   | 511.6  | 529.2  | 352.7  | 141.1  |
| 87.5° | 21.8   | 23.2   | 25.5   | 31.7   | 20.7   | 16.4   | 84.4   | 105.9  | 66.0   | 41.4   |
| 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°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 966.6  | 0°    | 966.6  | 966.6 | 966.6 | 966.6 | 966.6 | 966.6 | 966.6 | 966.6 | 966.6 | 966.6 |
| 969.4  | 2.5°  | 968.0  | 966.0 | 960.6 | 953.2 | 946.4 | 938.0 | 934.3 | 931.2 | 928.3 | 922.9 |
| 977.0  | 5°    | 973.9  | 968.5 | 954.1 | 935.4 | 914.2 | 890.9 | 868.3 | 852.7 | 839.4 | 829.5 |
| 985.8  | 7.5°  | 983.0  | 972.8 | 946.4 | 908.2 | 859.5 | 809.6 | 764.6 | 732.6 | 708.5 | 699.7 |
| 998.3  | 10°   | 992.3  | 980.2 | 934.3 | 866.8 | 782.7 | 705.9 | 646.2 | 613.3 | 594.0 | 587.8 |
| 1013.0 | 12.5° | 1003.4 | 985.5 | 915.3 | 809.3 | 696.9 | 612.7 | 560.6 | 541.4 | 531.4 | 528.0 |
| 1031.2 | 15°   | 1019.5 | 990.1 | 886.7 | 737.4 | 615.0 | 544.8 | 511.0 | 497.7 | 492.6 | 492.3 |
| 1049.8 | 17.5° | 1031.7 | 990.9 | 842.2 | 660.3 | 552.1 | 503.7 | 475.9 | 470.8 | 474.2 | 479.3 |
| 1068.3 | 20°   | 1045.3 | 983.3 | 783.8 | 590.1 | 507.9 | 467.7 | 456.1 | 459.5 | 467.7 | 475.1 |
| 1092.6 | 22.5° | 1054.9 | 969.4 | 713.3 | 535.4 | 469.7 | 447.0 | 446.5 | 453.5 | 458.1 | 461.8 |
| 1121.2 | 25°   | 1063.4 | 945.9 | 638.5 | 489.5 | 438.2 | 434.6 | 440.8 | 438.5 | 435.4 | 438.5 |
| 1149.8 | 27.5° | 1069.7 | 908.8 | 571.7 | 449.3 | 416.1 | 426.1 | 422.4 | 417.3 | 417.0 | 418.7 |
| 1183.6 | 30°   | 1067.7 | 859.2 | 516.7 | 411.0 | 400.6 | 410.2 | 401.4 | 400.6 | 399.7 | 400.6 |
| 1234.3 | 32.5° | 1067.7 | 802.8 | 474.5 | 384.7 | 390.6 | 387.0 | 386.1 | 384.1 | 380.7 | 380.4 |
| 1303.1 | 35°   | 1073.6 | 746.5 | 438.2 | 370.5 | 382.4 | 373.7 | 374.2 | 369.4 | 362.3 | 358.9 |
| 1394.3 | 37.5° | 1085.8 | 701.1 | 402.3 | 363.7 | 368.0 | 367.7 | 365.4 | 357.2 | 344.8 | 334.0 |
| 1508.2 | 40°   | 1115.3 | 687.8 | 377.6 | 360.6 | 361.2 | 364.6 | 358.6 | 342.8 | 314.4 | 296.9 |
| 1623.8 | 42.5° | 1161.5 | 710.2 | 372.2 | 353.0 | 356.7 | 360.1 | 348.4 | 311.6 | 291.5 | 281.0 |
| 1745.0 | 45°   | 1220.1 | 749.3 | 383.8 | 341.9 | 345.9 | 351.8 | 317.3 | 299.7 | 290.6 | 290.9 |
| 1865.1 | 47.5° | 1294.3 | 790.4 | 405.4 | 332.3 | 330.3 | 333.7 | 296.6 | 285.8 | 273.4 | 276.5 |
| 1980.4 | 50°   | 1380.2 | 832.0 | 425.8 | 319.3 | 313.0 | 302.0 | 283.3 | 273.1 | 257.2 | 249.9 |
| 2091.8 | 52.5° | 1473.1 | 872.2 | 434.0 | 303.4 | 294.3 | 281.6 | 274.2 | 261.8 | 242.5 | 230.3 |
| 2196.9 | 55°   | 1561.2 | 908.8 | 424.9 | 284.4 | 275.6 | 265.7 | 264.6 | 256.9 | 236.3 | 219.3 |
| 2290.3 | 57.5° | 1644.5 | 939.4 | 402.3 | 265.2 | 256.7 | 250.7 | 258.4 | 254.7 | 228.6 | 206.8 |
| 2378.7 | 60°   | 1715.0 | 960.3 | 369.4 | 245.6 | 239.7 | 236.5 | 248.2 | 247.0 | 217.8 | 193.5 |
| 2458.0 | 62.5° | 1771.1 | 968.5 | 333.1 | 226.9 | 225.5 | 219.8 | 234.0 | 234.0 | 204.2 | 180.5 |
| 2527.7 | 65°   | 1815.0 | 960.6 | 296.3 | 208.5 | 211.3 | 202.8 | 216.7 | 215.0 | 189.8 | 168.8 |
| 2607.9 | 67.5° | 1853.8 | 934.6 | 255.5 | 190.4 | 196.9 | 186.1 | 198.6 | 194.6 | 173.9 | 157.2 |
| 2677.3 | 70°   | 1871.1 | 873.9 | 209.1 | 172.2 | 180.2 | 169.7 | 180.5 | 173.1 | 156.1 | 144.8 |
| 2601.1 | 72.5° | 1732.3 | 726.3 | 164.6 | 153.3 | 160.1 | 151.6 | 160.9 | 152.4 | 136.8 | 131.7 |
| 2246.2 | 75°   | 1433.1 | 545.0 | 126.6 | 132.6 | 137.7 | 131.2 | 137.4 | 131.2 | 117.0 | 120.7 |
| 1659.2 | 77.5° | 1040.8 | 368.0 | 96.9  | 110.8 | 113.0 | 109.6 | 115.0 | 107.9 | 95.2  | 94.3  |
| 826.9  | 80°   | 517.6  | 215.6 | 75.9  | 87.5  | 86.7  | 84.4  | 90.7  | 87.3  | 76.5  | 81.0  |
| 223.2  | 82.5° | 149.9  | 92.4  | 55.2  | 61.5  | 59.8  | 60.3  | 64.9  | 66.6  | 99.7  | 98.9  |
| 69.4   | 85°   | 47.0   | 36.3  | 33.1  | 34.3  | 32.6  | 33.4  | 38.2  | 75.9  | 70.3  | 41.1  |
| 21.5   | 87.5° | 12.2   | 12.5  | 8.2   | 8.8   | 9.1   | 10.8  | 12.2  | 46.2  | 22.1  | 14.4  |
| 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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| 180°  |
|-------|
| 966.6 |
| 920.4 |
| 821.2 |
| 684.4 |
| 578.2 |
| 528.9 |
| 493.5 |
| 481.3 |
| 477.6 |
| 463.7 |
| 440.5 |
| 421.5 |
| 403.7 |
| 384.1 |
| 362.3 |
| 337.7 |
| 299.1 |
| 281.0 |
| 292.3 |
| 284.4 |
| 251.8 |
| 230.0 |
| 219.3 |
| 205.7 |
| 192.6 |
| 179.6 |
| 167.7 |
| 156.1 |
| 142.5 |
| 127.5 |
| 110.2 |
| 90.1  |
| 80.2  |
| 101.1 |
| 44.5  |
| 15.3  |
| 0.0   |