

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: P945413

Luminaire Tested: **GLAN-SB1B-840-U-T2U**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P945413  
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-SB1B-840-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 4000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

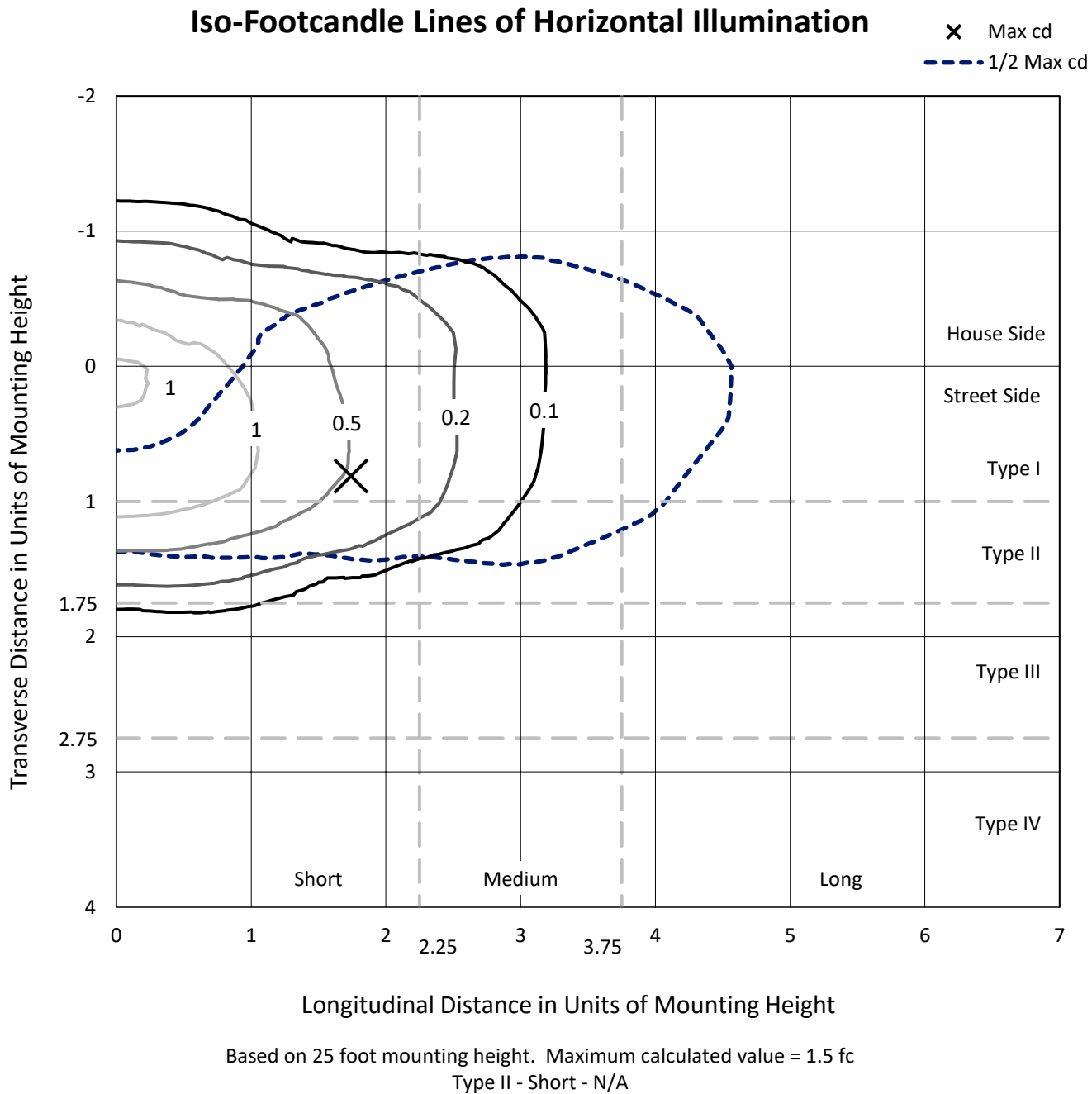
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5460 lumens  
Efficiency: N/A  
Efficacy: 137.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - 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

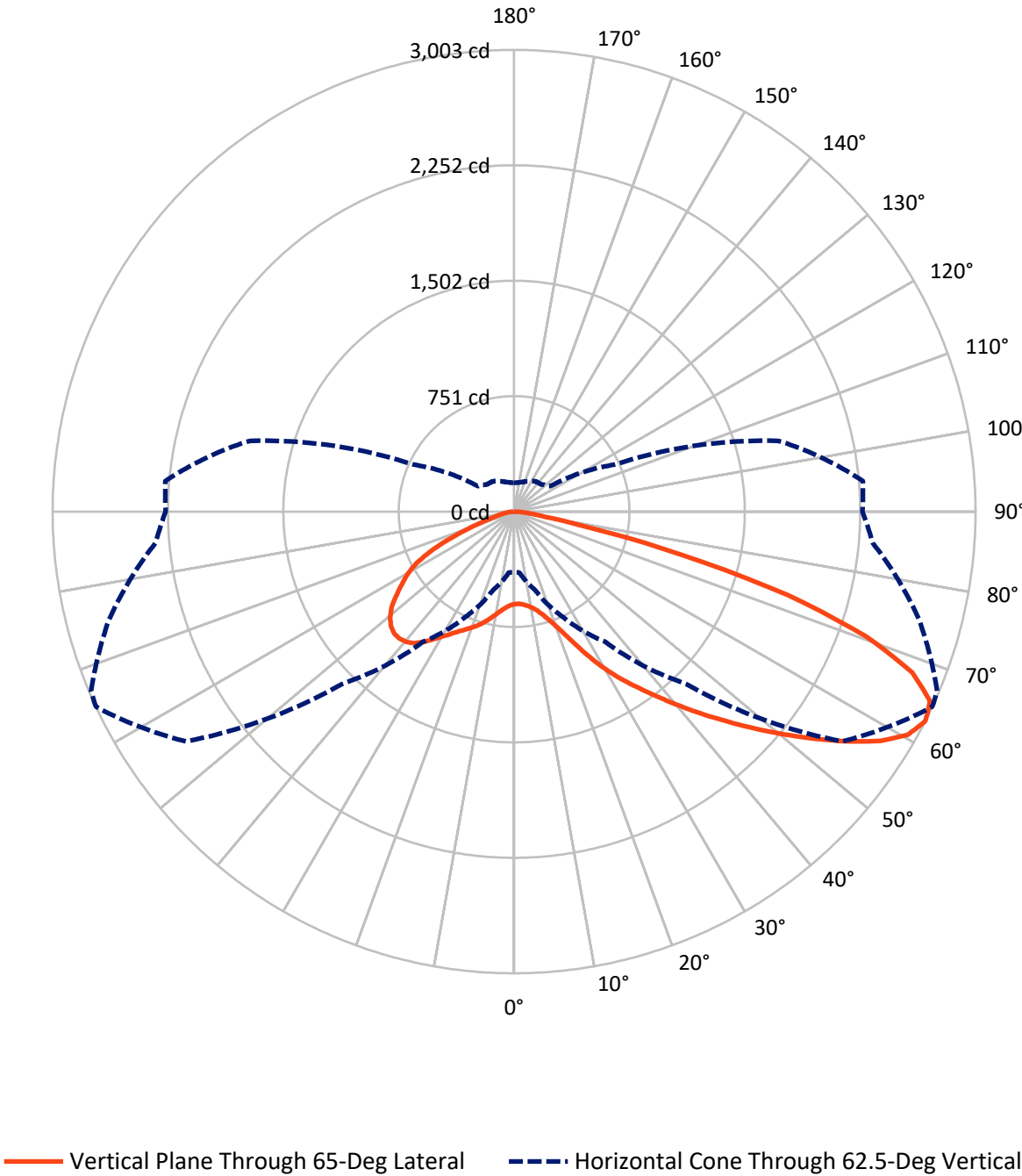


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Luminous Intensity Polar Plot



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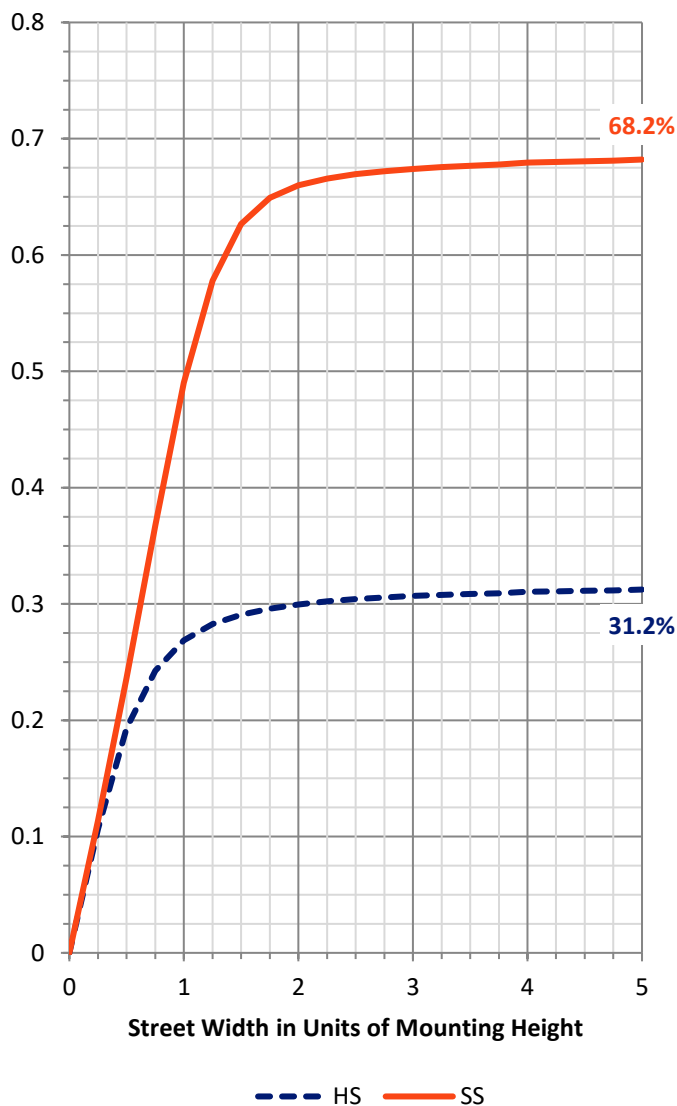
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1722.9   | 0.0    | 1722.9 |
|                    | % Fixture | 31.6     | 0.0    | 31.6   |
| <b>Street Side</b> | Lumens    | 3737.1   | 0.0    | 3737.1 |
|                    | % Fixture | 68.4     | 0.0    | 68.4   |
| <b>Total</b>       | Lumens    | 5460.0   | 0.0    | 5460.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 60.0   | 1.1       |
| 10°-20°   | 203.4  | 3.7       |
| 20°-30°   | 412.4  | 7.6       |
| 30°-40°   | 713.7  | 13.1      |
| 40°-50°   | 1080.1 | 19.8      |
| 50°-60°   | 1266.4 | 23.2      |
| 60°-70°   | 1061.7 | 19.4      |
| 70°-80°   | 586.1  | 10.7      |
| 80°-90°   | 76.1   | 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°    | 5460.0 | 100.0     |
| 0°-180°   | 5460.0 | 100.0     |

**Coefficient of Utilization**



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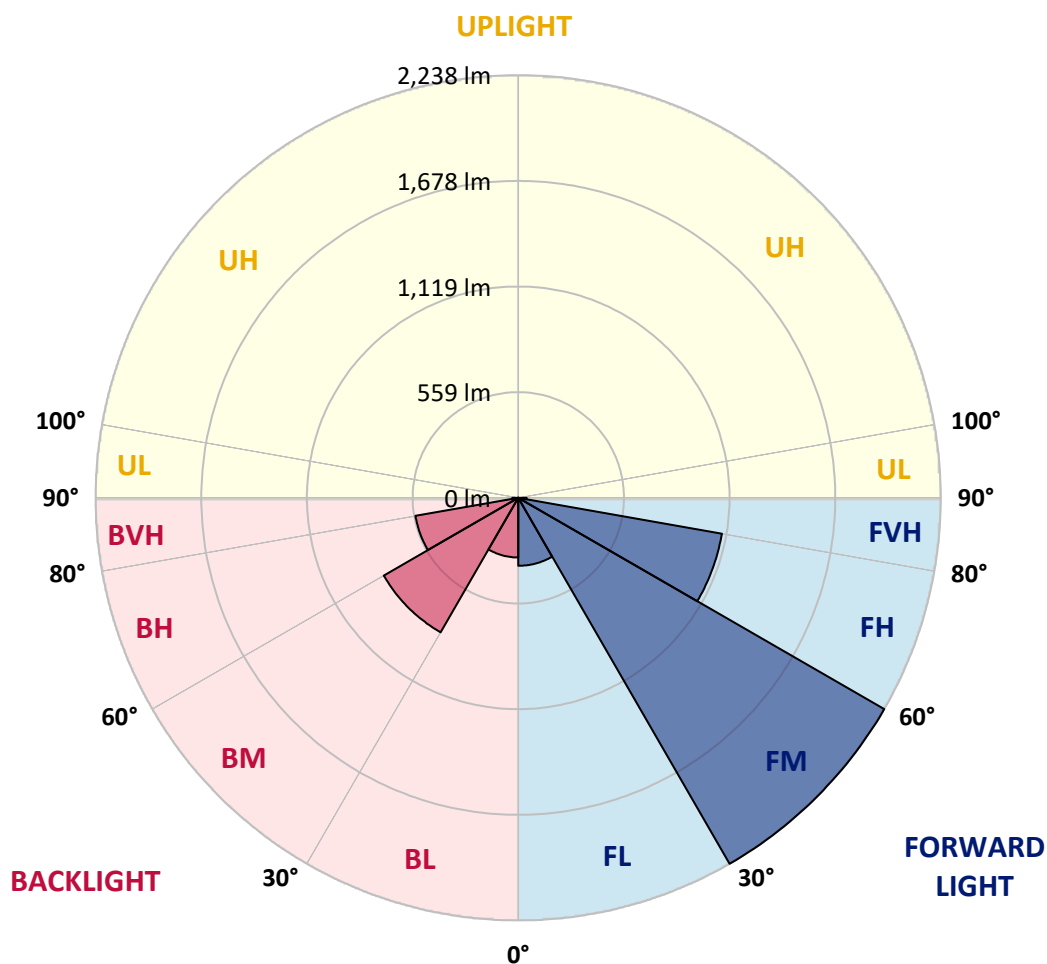
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 359.9  | 6.6       |                         |      |         |
| FM   | (30°-60°)   | 2237.7 | 41.0      |                         |      |         |
| FH   | (60°-80°)   | 1095.1 | 20.1      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 44.4   | 0.8       |                         |      | G1/100  |
| BL   | (0°-30°)    | 316.0  | 5.8       | B1/500                  |      |         |
| BM   | (30°-60°)   | 822.5  | 15.1      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 552.7  | 10.1      | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 31.8   | 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°    | 601.7  | 601.7  | 601.7  | 601.7  | 601.7  | 601.7  | 601.7  | 601.7  | 601.7  | 601.7  |
| 2.5°  | 597.7  | 596.0  | 597.4  | 597.4  | 598.0  | 597.7  | 599.7  | 600.3  | 601.1  | 602.8  |
| 5°    | 591.8  | 591.5  | 594.0  | 596.3  | 598.6  | 600.5  | 603.1  | 606.8  | 607.3  | 609.3  |
| 7.5°  | 589.8  | 588.1  | 592.0  | 594.9  | 600.3  | 605.1  | 611.9  | 618.1  | 620.6  | 621.5  |
| 10°   | 605.1  | 602.2  | 605.9  | 607.6  | 612.1  | 617.0  | 624.9  | 634.8  | 637.6  | 641.0  |
| 12.5° | 631.1  | 628.0  | 633.4  | 635.9  | 640.2  | 644.4  | 649.8  | 659.5  | 660.9  | 667.1  |
| 15°   | 666.8  | 663.1  | 666.5  | 669.7  | 676.7  | 680.7  | 686.1  | 695.4  | 695.4  | 700.2  |
| 17.5° | 715.3  | 710.4  | 713.0  | 714.1  | 718.7  | 724.6  | 733.7  | 741.9  | 746.1  | 744.4  |
| 20°   | 787.5  | 781.5  | 781.5  | 775.9  | 774.2  | 779.0  | 790.9  | 802.2  | 806.8  | 798.0  |
| 22.5° | 896.0  | 887.5  | 882.7  | 863.4  | 855.8  | 856.3  | 868.2  | 882.1  | 885.8  | 870.2  |
| 25°   | 1033.9 | 1020.6 | 1014.1 | 985.8  | 968.5  | 953.5  | 962.8  | 980.7  | 985.8  | 966.5  |
| 27.5° | 1171.9 | 1172.7 | 1166.5 | 1132.5 | 1103.9 | 1076.4 | 1071.6 | 1090.3 | 1095.7 | 1073.9 |
| 30°   | 1365.4 | 1345.3 | 1333.4 | 1292.6 | 1251.8 | 1213.3 | 1193.4 | 1201.1 | 1202.5 | 1176.4 |
| 32.5° | 1532.2 | 1527.1 | 1501.6 | 1465.9 | 1413.5 | 1353.2 | 1320.0 | 1307.9 | 1305.6 | 1268.5 |
| 35°   | 1722.3 | 1719.5 | 1692.5 | 1650.1 | 1593.4 | 1509.6 | 1449.8 | 1414.9 | 1412.1 | 1360.0 |
| 37.5° | 1915.5 | 1915.5 | 1889.1 | 1842.7 | 1784.0 | 1679.2 | 1588.3 | 1533.1 | 1524.0 | 1456.0 |
| 40°   | 2069.6 | 2060.2 | 2065.0 | 2045.5 | 1978.4 | 1867.0 | 1742.1 | 1662.0 | 1649.8 | 1568.2 |
| 42.5° | 2157.1 | 2154.0 | 2182.9 | 2204.7 | 2177.2 | 2088.3 | 1911.5 | 1801.6 | 1784.6 | 1691.7 |
| 45°   | 2176.7 | 2173.3 | 2224.8 | 2304.7 | 2343.2 | 2306.7 | 2095.6 | 1948.6 | 1927.9 | 1820.9 |
| 47.5° | 2131.6 | 2124.8 | 2200.5 | 2326.5 | 2450.0 | 2514.3 | 2295.1 | 2108.1 | 2078.1 | 1946.6 |
| 50°   | 1996.2 | 1989.7 | 2104.1 | 2271.6 | 2486.0 | 2655.4 | 2511.5 | 2277.2 | 2231.3 | 2081.5 |
| 52.5° | 1701.9 | 1705.0 | 1884.3 | 2114.3 | 2438.7 | 2743.2 | 2697.9 | 2455.4 | 2400.2 | 2219.4 |
| 55°   | 1325.7 | 1332.5 | 1552.9 | 1806.1 | 2249.5 | 2729.9 | 2825.1 | 2639.0 | 2584.0 | 2349.2 |
| 57.5° | 949.2  | 979.3  | 1185.8 | 1436.5 | 1886.0 | 2518.8 | 2852.8 | 2813.5 | 2760.2 | 2490.8 |
| 60°   | 615.3  | 620.6  | 833.1  | 1085.8 | 1436.2 | 2143.8 | 2796.5 | 2945.7 | 2904.1 | 2635.3 |
| 62.5° | 394.3  | 398.0  | 527.5  | 759.5  | 1033.7 | 1586.0 | 2606.7 | 3003.2 | 2990.5 | 2730.7 |
| 65°   | 289.8  | 287.0  | 354.4  | 502.0  | 696.3  | 978.1  | 2238.1 | 2975.5 | 3000.7 | 2790.5 |
| 67.5° | 241.9  | 237.9  | 271.1  | 347.6  | 513.0  | 555.5  | 1656.0 | 2795.0 | 2887.4 | 2783.7 |
| 70°   | 220.4  | 217.0  | 237.1  | 258.1  | 400.3  | 371.9  | 834.8  | 2429.9 | 2572.1 | 2706.4 |
| 72.5° | 186.7  | 180.7  | 208.2  | 229.2  | 311.3  | 285.3  | 345.0  | 1866.5 | 2039.8 | 2458.5 |
| 75°   | 144.8  | 140.8  | 164.3  | 201.7  | 234.0  | 222.7  | 218.1  | 1133.4 | 1322.6 | 1901.3 |
| 77.5° | 114.7  | 109.3  | 130.9  | 157.2  | 210.5  | 168.0  | 158.9  | 488.1  | 675.6  | 1213.8 |
| 80°   | 86.4   | 81.6   | 99.4   | 124.4  | 161.7  | 126.6  | 102.8  | 199.1  | 254.7  | 615.0  |
| 82.5° | 61.5   | 57.2   | 69.4   | 91.2   | 108.8  | 113.6  | 63.2   | 111.6  | 125.5  | 237.1  |
| 85°   | 39.4   | 36.8   | 46.5   | 57.2   | 69.1   | 73.1   | 38.5   | 58.4   | 64.0   | 97.7   |
| 87.5° | 21.5   | 17.6   | 24.9   | 26.6   | 32.0   | 29.2   | 18.4   | 21.2   | 22.9   | 35.4   |
| 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°  |
|--------|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| 601.7  | 0°    | 601.7  | 601.7  | 601.7  | 601.7  | 601.7 | 601.7 | 601.7 | 601.7 | 601.7 | 601.7 |
| 602.8  | 2.5°  | 603.9  | 604.8  | 607.6  | 608.5  | 610.4 | 613.0 | 614.7 | 616.4 | 616.4 | 618.1 |
| 611.9  | 5°    | 612.1  | 614.1  | 620.1  | 623.2  | 628.3 | 633.4 | 636.5 | 640.2 | 642.5 | 643.6 |
| 626.3  | 7.5°  | 628.0  | 631.1  | 639.6  | 645.0  | 653.8 | 660.9 | 665.7 | 670.8 | 671.9 | 675.0 |
| 646.4  | 10°   | 649.5  | 653.2  | 662.9  | 673.1  | 683.5 | 692.3 | 696.8 | 700.5 | 701.9 | 702.5 |
| 672.2  | 12.5° | 674.2  | 679.6  | 692.0  | 704.5  | 715.5 | 723.2 | 724.3 | 723.5 | 719.5 | 716.1 |
| 703.9  | 15°   | 704.5  | 709.3  | 723.2  | 736.8  | 747.6 | 749.0 | 741.9 | 737.4 | 732.5 | 731.7 |
| 739.3  | 17.5° | 740.8  | 743.3  | 756.1  | 769.4  | 770.2 | 765.4 | 754.9 | 750.7 | 746.1 | 743.0 |
| 785.5  | 20°   | 783.0  | 782.1  | 791.2  | 796.8  | 790.9 | 776.2 | 760.3 | 753.2 | 748.7 | 745.0 |
| 842.2  | 22.5° | 833.4  | 826.9  | 825.7  | 824.3  | 808.5 | 777.6 | 756.1 | 747.0 | 739.9 | 734.8 |
| 921.2  | 25°   | 906.8  | 881.8  | 864.5  | 854.9  | 819.2 | 769.9 | 742.5 | 722.3 | 709.0 | 700.2 |
| 1017.8 | 27.5° | 998.5  | 956.6  | 913.0  | 889.5  | 819.2 | 754.4 | 709.6 | 677.0 | 655.2 | 646.1 |
| 1111.3 | 30°   | 1086.1 | 1042.2 | 977.9  | 931.1  | 817.2 | 728.9 | 656.6 | 611.3 | 585.8 | 576.7 |
| 1191.2 | 32.5° | 1160.8 | 1113.0 | 1046.7 | 976.7  | 812.4 | 687.5 | 590.9 | 540.8 | 516.1 | 505.4 |
| 1270.2 | 35°   | 1230.2 | 1179.3 | 1115.8 | 1026.9 | 799.7 | 626.9 | 518.7 | 480.4 | 453.0 | 435.7 |
| 1350.6 | 37.5° | 1301.3 | 1240.7 | 1181.2 | 1072.2 | 776.7 | 556.1 | 463.1 | 430.6 | 398.3 | 375.1 |
| 1436.2 | 40°   | 1378.7 | 1306.2 | 1251.2 | 1099.1 | 739.1 | 488.6 | 420.1 | 390.3 | 356.1 | 331.4 |
| 1534.8 | 42.5° | 1469.0 | 1384.6 | 1329.1 | 1113.0 | 687.5 | 440.8 | 392.0 | 362.9 | 330.6 | 310.5 |
| 1640.4 | 45°   | 1563.4 | 1471.0 | 1400.2 | 1112.7 | 630.0 | 418.4 | 383.0 | 354.1 | 318.4 | 297.4 |
| 1748.9 | 47.5° | 1662.2 | 1561.4 | 1461.7 | 1094.6 | 580.1 | 421.5 | 377.9 | 335.1 | 295.7 | 275.3 |
| 1858.5 | 50°   | 1761.4 | 1660.3 | 1521.2 | 1060.6 | 558.9 | 414.7 | 358.9 | 308.5 | 262.0 | 243.6 |
| 1961.4 | 52.5° | 1859.7 | 1765.3 | 1572.4 | 1012.1 | 537.4 | 389.5 | 334.5 | 273.9 | 248.1 | 235.4 |
| 2067.6 | 55°   | 1958.5 | 1869.3 | 1628.2 | 941.6  | 483.5 | 360.0 | 293.8 | 260.9 | 237.1 | 225.5 |
| 2171.6 | 57.5° | 2057.7 | 1989.4 | 1681.2 | 871.1  | 415.8 | 323.8 | 271.4 | 245.0 | 226.1 | 216.1 |
| 2258.5 | 60°   | 2160.8 | 2126.8 | 1735.9 | 806.2  | 349.0 | 277.3 | 254.9 | 232.3 | 213.0 | 202.0 |
| 2342.1 | 62.5° | 2267.0 | 2278.1 | 1778.7 | 722.6  | 287.5 | 249.0 | 240.2 | 217.0 | 198.3 | 187.8 |
| 2411.2 | 65°   | 2374.1 | 2424.0 | 1806.7 | 606.8  | 233.1 | 222.1 | 224.4 | 200.3 | 181.3 | 172.2 |
| 2461.9 | 67.5° | 2454.8 | 2529.0 | 1798.8 | 459.2  | 191.2 | 196.6 | 204.5 | 182.7 | 164.9 | 157.8 |
| 2453.7 | 70°   | 2463.9 | 2516.6 | 1720.6 | 314.4  | 160.0 | 171.7 | 182.4 | 165.4 | 147.0 | 141.9 |
| 2338.1 | 72.5° | 2343.2 | 2346.6 | 1502.8 | 205.4  | 135.4 | 150.7 | 159.2 | 147.9 | 130.0 | 124.9 |
| 2045.5 | 75°   | 2026.8 | 1940.7 | 1103.3 | 135.4  | 113.3 | 129.5 | 137.4 | 129.5 | 112.2 | 113.3 |
| 1530.5 | 77.5° | 1535.6 | 1374.4 | 669.9  | 96.3   | 94.6  | 108.8 | 119.5 | 113.9 | 99.1  | 111.3 |
| 769.6  | 80°   | 791.2  | 743.6  | 298.9  | 72.0   | 74.8  | 87.0  | 98.3  | 90.9  | 78.5  | 74.8  |
| 171.9  | 82.5° | 181.3  | 210.8  | 117.8  | 51.6   | 54.1  | 62.6  | 75.1  | 68.3  | 56.4  | 47.6  |
| 71.7   | 85°   | 63.5   | 69.4   | 52.1   | 32.3   | 31.7  | 39.1  | 51.0  | 45.6  | 38.2  | 30.6  |
| 30.3   | 87.5° | 20.1   | 26.3   | 19.5   | 13.0   | 13.6  | 17.6  | 23.5  | 21.5  | 17.8  | 11.6  |
| 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°  |
|-------|
| 601.7 |
| 618.1 |
| 644.2 |
| 673.9 |
| 701.1 |
| 716.1 |
| 731.7 |
| 743.3 |
| 745.3 |
| 736.5 |
| 703.6 |
| 650.7 |
| 582.1 |
| 510.7 |
| 441.3 |
| 381.3 |
| 336.2 |
| 314.4 |
| 300.8 |
| 278.2 |
| 244.7 |
| 235.4 |
| 224.4 |
| 214.4 |
| 201.1 |
| 187.5 |
| 171.9 |
| 158.1 |
| 142.2 |
| 124.6 |
| 109.3 |
| 98.0  |
| 68.3  |
| 47.0  |
| 32.3  |
| 12.2  |
| 0.0   |