

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: P946172

Luminaire Tested: **GLAN-SB1D-927-U-T4W-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P946172  
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-SB1D-927-U-T4W-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV WIDE OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4773 lumens  
Efficiency: N/A  
Efficacy: 60.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 79.6  
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



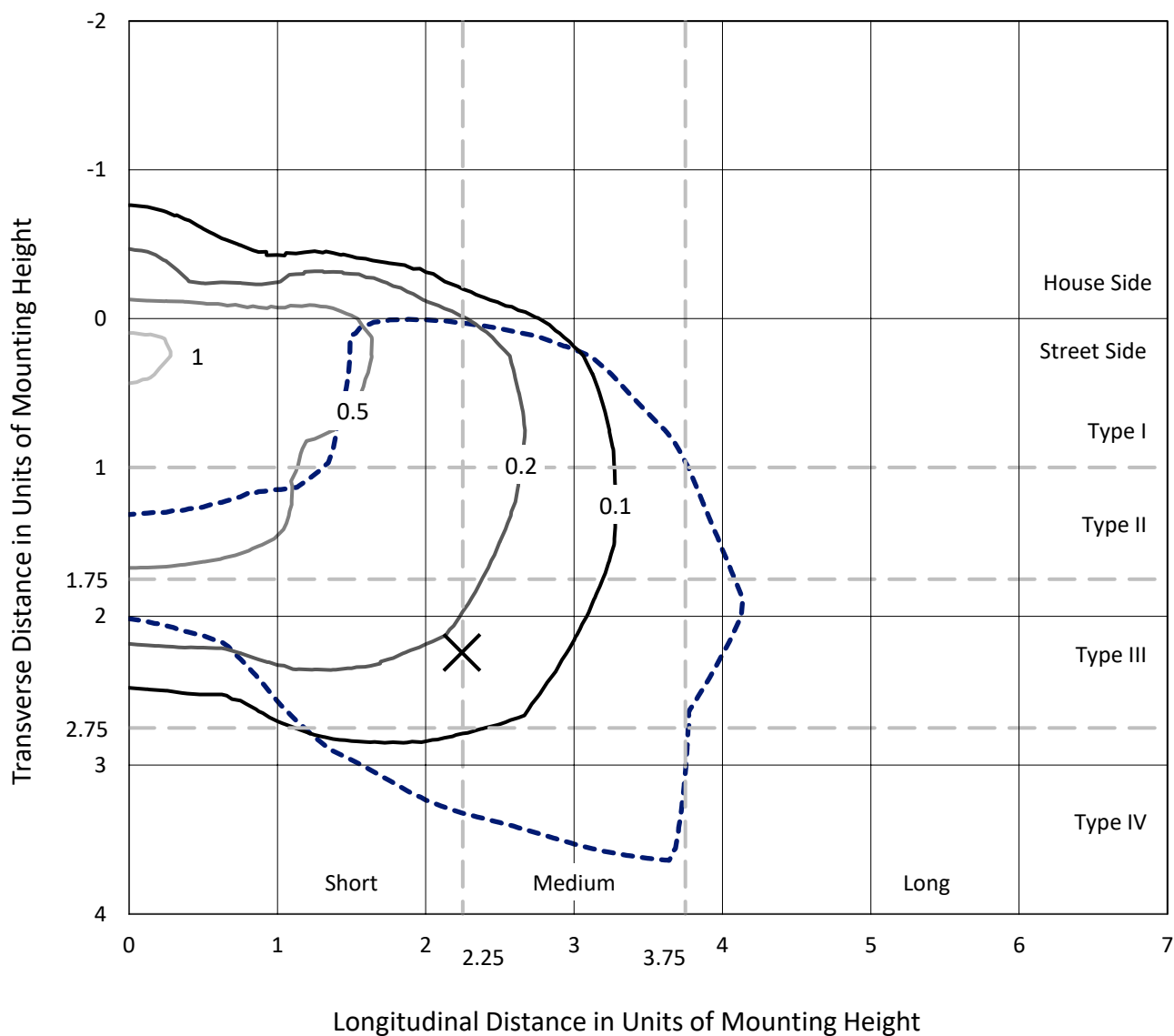
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

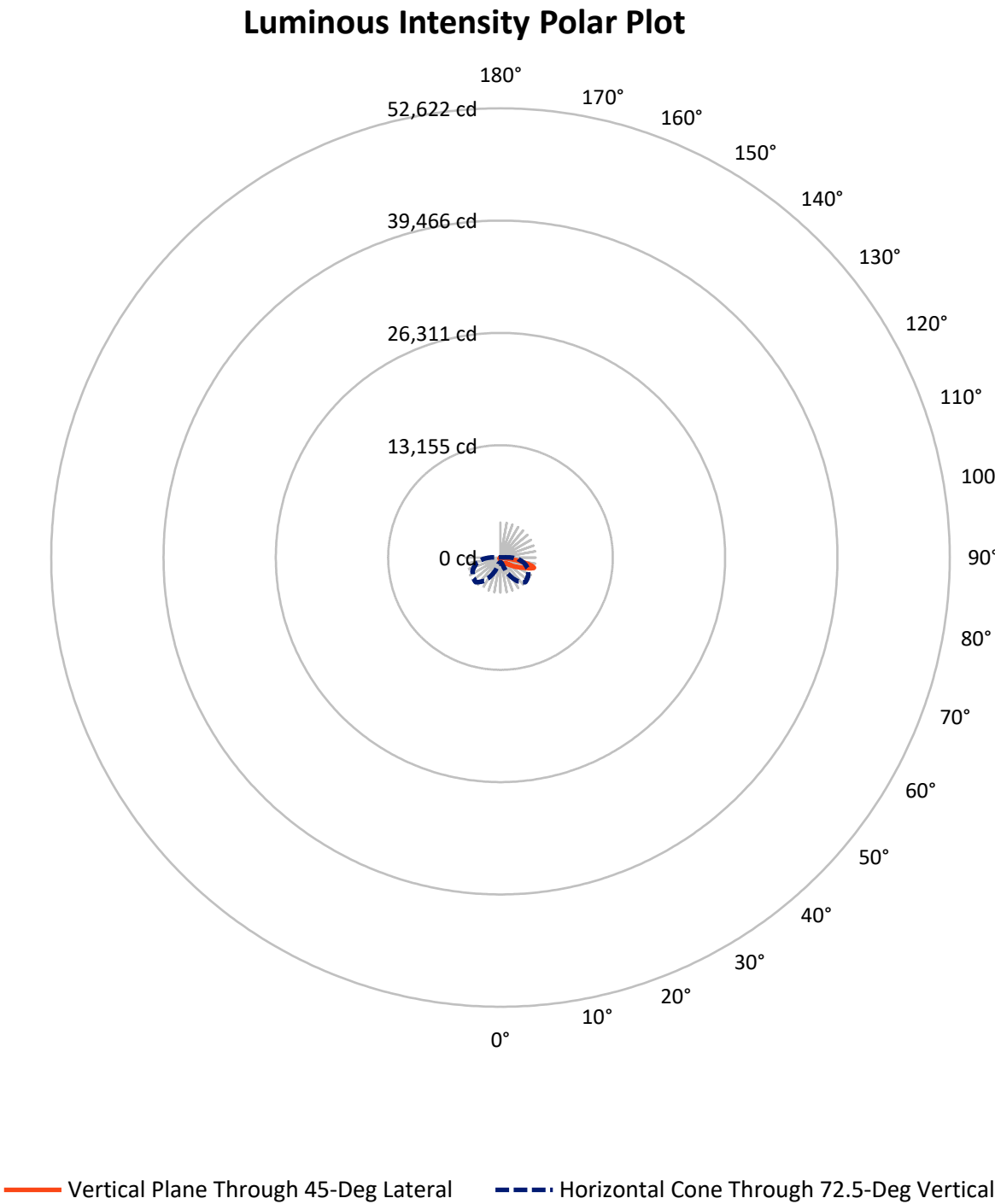
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc

Type IV - Short - N/A

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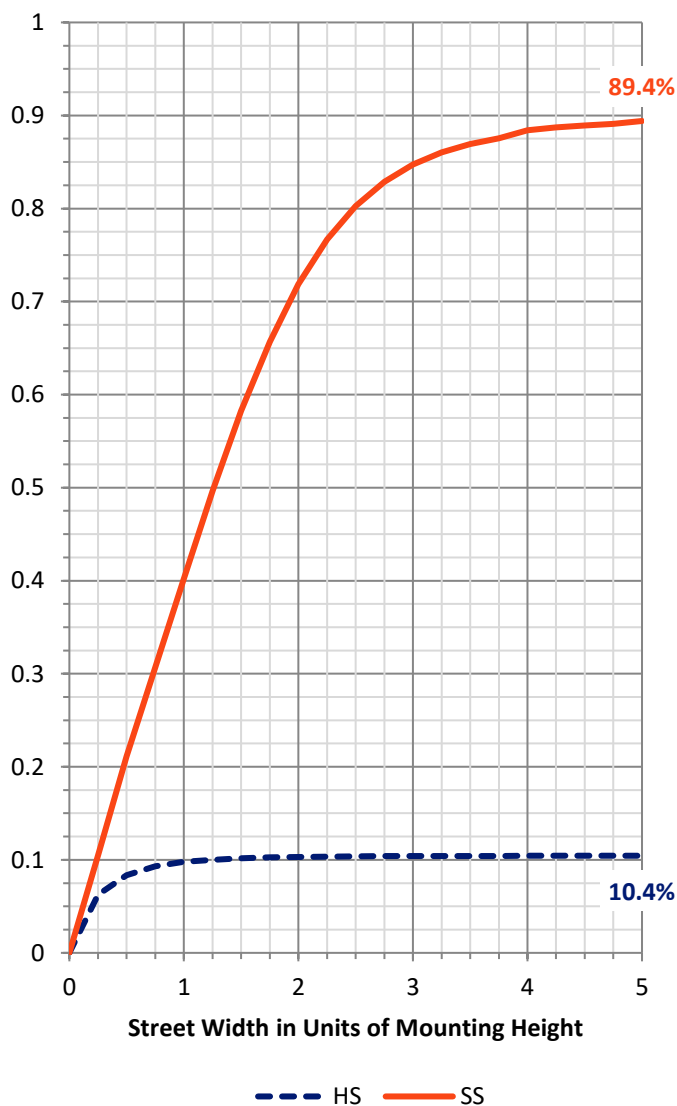
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 501.5    | 0.0    | 501.5  |
|                    | % Fixture | 10.5     | 0.0    | 10.5   |
| <b>Street Side</b> | Lumens    | 4271.5   | 0.0    | 4271.5 |
|                    | % Fixture | 89.5     | 0.0    | 89.5   |
| <b>Total</b>       | Lumens    | 4773.0   | 0.0    | 4773.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 49.3   | 1.0       |
| 10°-20°   | 144.0  | 3.0       |
| 20°-30°   | 236.4  | 5.0       |
| 30°-40°   | 335.3  | 7.0       |
| 40°-50°   | 554.3  | 11.6      |
| 50°-60°   | 995.7  | 20.9      |
| 60°-70°   | 1382.6 | 29.0      |
| 70°-80°   | 1002.9 | 21.0      |
| 80°-90°   | 72.5   | 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°    | 4773.0 | 100.0     |
| 0°-180°   | 4773.0 | 100.0     |

**Coefficient of Utilization**



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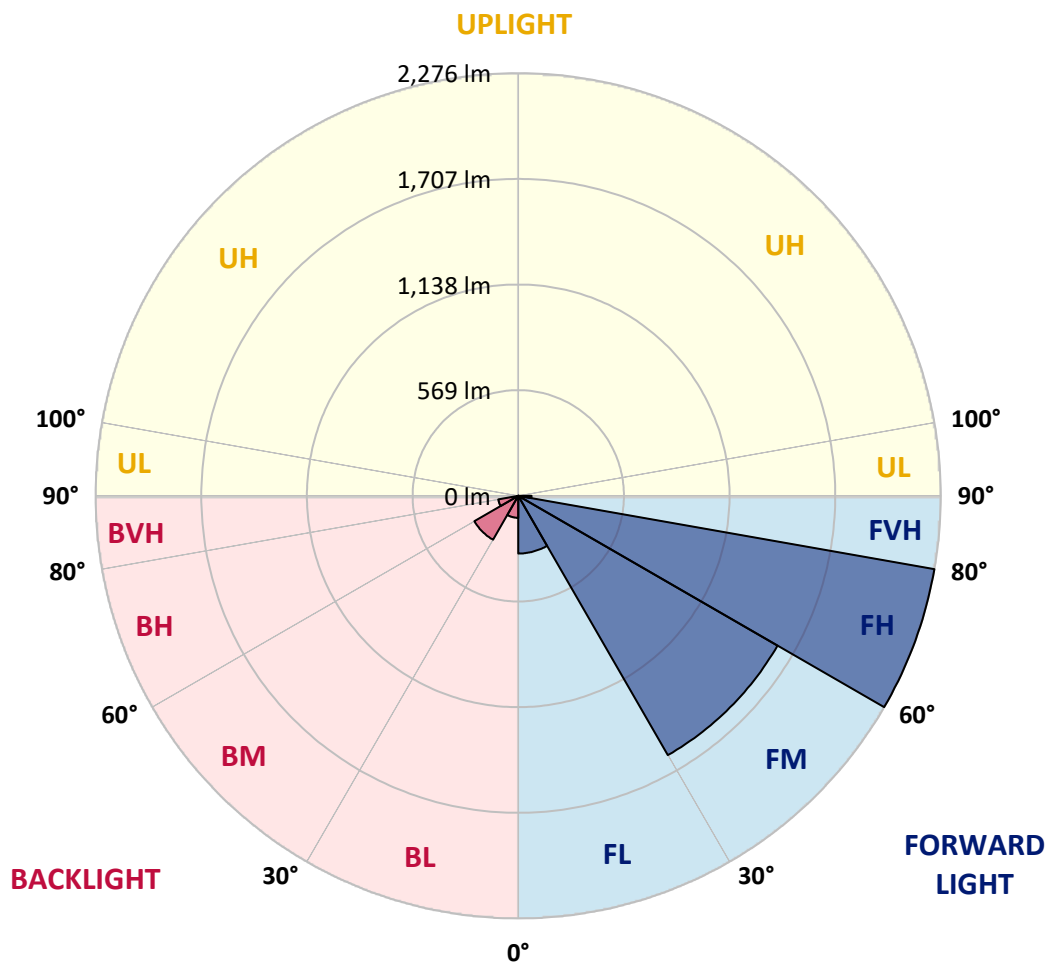
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 310.9  | 6.5       |                         |      |         |
| FM   | (30°-60°)   | 1612.6 | 33.8      |                         |      |         |
| FH   | (60°-80°)   | 2276.1 | 47.7      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 71.9   | 1.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 118.8  | 2.5       | B1/500                  |      |         |
| BM   | (30°-60°)   | 272.8  | 5.7       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 109.4  | 2.3       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 0.6    | 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°    | 522.9  | 522.9  | 522.9  | 522.9  | 522.9  | 522.9  | 522.9  | 522.9  | 522.9  | 522.9  |
| 2.5°  | 571.1  | 572.1  | 571.4  | 567.5  | 561.0  | 557.4  | 555.5  | 549.0  | 544.7  | 537.2  |
| 5°    | 623.6  | 627.5  | 625.2  | 617.4  | 605.0  | 596.2  | 593.6  | 580.2  | 568.2  | 554.2  |
| 7.5°  | 679.3  | 681.2  | 677.0  | 666.9  | 650.3  | 635.3  | 633.0  | 614.4  | 595.2  | 573.7  |
| 10°   | 727.5  | 729.8  | 723.3  | 708.6  | 689.7  | 671.1  | 667.9  | 647.3  | 624.5  | 598.1  |
| 12.5° | 767.9  | 770.2  | 761.7  | 744.1  | 723.3  | 704.0  | 700.8  | 679.3  | 654.2  | 624.9  |
| 15°   | 798.5  | 802.7  | 791.3  | 772.4  | 750.0  | 730.7  | 729.1  | 707.9  | 683.5  | 650.9  |
| 17.5° | 816.4  | 820.7  | 809.9  | 787.1  | 767.9  | 751.6  | 749.6  | 732.0  | 709.2  | 678.0  |
| 20°   | 819.4  | 823.3  | 811.9  | 792.0  | 776.0  | 763.0  | 762.0  | 749.3  | 732.7  | 702.7  |
| 22.5° | 810.6  | 815.5  | 805.0  | 789.1  | 778.0  | 771.1  | 769.8  | 762.7  | 753.2  | 727.8  |
| 25°   | 801.4  | 805.4  | 797.5  | 783.5  | 777.7  | 777.0  | 778.0  | 776.7  | 774.7  | 753.2  |
| 27.5° | 800.8  | 805.0  | 796.2  | 782.9  | 779.6  | 786.5  | 787.4  | 793.6  | 795.3  | 776.4  |
| 30°   | 806.3  | 809.3  | 800.8  | 786.8  | 785.2  | 800.8  | 801.1  | 812.2  | 814.8  | 795.9  |
| 32.5° | 818.4  | 821.6  | 813.2  | 792.6  | 790.4  | 812.2  | 813.2  | 827.8  | 832.1  | 816.8  |
| 35°   | 846.7  | 850.6  | 840.9  | 808.9  | 800.8  | 822.9  | 825.9  | 843.1  | 851.6  | 838.9  |
| 37.5° | 917.4  | 906.0  | 892.7  | 841.8  | 824.6  | 839.9  | 844.8  | 865.0  | 880.0  | 865.3  |
| 40°   | 1093.0 | 1057.2 | 1015.5 | 897.9  | 866.3  | 876.0  | 880.0  | 900.2  | 920.7  | 906.3  |
| 42.5° | 1356.6 | 1314.2 | 1247.1 | 1026.9 | 929.2  | 934.0  | 937.0  | 954.6  | 983.6  | 972.2  |
| 45°   | 1591.5 | 1576.2 | 1507.8 | 1247.1 | 1046.8 | 1022.7 | 1026.2 | 1035.4 | 1078.0 | 1073.8 |
| 47.5° | 1772.0 | 1763.2 | 1710.4 | 1499.9 | 1245.5 | 1131.1 | 1141.2 | 1145.5 | 1207.1 | 1222.0 |
| 50°   | 1910.8 | 1907.5 | 1860.3 | 1724.7 | 1505.1 | 1291.1 | 1294.7 | 1285.6 | 1377.8 | 1414.9 |
| 52.5° | 2041.7 | 2052.8 | 2017.9 | 1933.6 | 1782.4 | 1500.6 | 1499.9 | 1456.9 | 1581.4 | 1637.4 |
| 55°   | 2160.0 | 2163.9 | 2167.5 | 2146.6 | 2061.3 | 1739.1 | 1732.9 | 1662.5 | 1817.6 | 1875.6 |
| 57.5° | 2271.1 | 2272.7 | 2304.6 | 2347.3 | 2351.5 | 1995.1 | 1983.7 | 1899.4 | 2075.6 | 2117.0 |
| 60°   | 2345.7 | 2353.2 | 2420.6 | 2539.2 | 2591.0 | 2259.4 | 2253.2 | 2167.2 | 2338.2 | 2357.4 |
| 62.5° | 2238.2 | 2283.8 | 2453.8 | 2689.1 | 2817.1 | 2552.2 | 2549.3 | 2468.5 | 2614.5 | 2598.8 |
| 65°   | 1811.7 | 1888.9 | 2188.0 | 2790.4 | 3039.0 | 2879.3 | 2883.6 | 2797.6 | 2898.2 | 2847.4 |
| 67.5° | 1267.3 | 1348.8 | 1702.6 | 2798.5 | 3286.9 | 3263.4 | 3287.9 | 3153.0 | 3199.6 | 3085.6 |
| 70°   | 876.4  | 918.4  | 1148.7 | 2623.3 | 3480.1 | 3792.5 | 3791.9 | 3589.5 | 3499.3 | 3194.0 |
| 72.5° | 589.4  | 611.2  | 746.1  | 2081.1 | 3338.0 | 4106.9 | 4088.0 | 3923.2 | 3600.3 | 2987.2 |
| 75°   | 248.6  | 264.5  | 345.3  | 1169.6 | 2640.9 | 3757.3 | 3706.2 | 3467.1 | 3198.9 | 2352.2 |
| 77.5° | 78.8   | 85.7   | 136.2  | 418.6  | 1454.7 | 2824.3 | 2770.2 | 2165.2 | 2144.0 | 1180.0 |
| 80°   | 37.5   | 43.7   | 76.6   | 168.1  | 572.4  | 1536.1 | 1528.6 | 982.3  | 922.3  | 318.6  |
| 82.5° | 16.3   | 19.2   | 42.4   | 89.9   | 256.1  | 548.0  | 559.1  | 334.3  | 276.6  | 120.9  |
| 85°   | 5.2    | 6.8    | 19.5   | 41.4   | 108.2  | 136.2  | 134.6  | 79.5   | 111.4  | 65.8   |
| 87.5° | 0.0    | 0.0    | 6.5    | 9.4    | 11.1   | 7.8    | 8.8    | 6.8    | 31.0   | 18.2   |
| 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°  |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 522.9  | 0°    | 522.9  | 522.9  | 522.9 | 522.9 | 522.9 | 522.9 | 522.9 | 522.9 | 522.9 | 522.9 |
| 529.4  | 2.5°  | 525.5  | 520.3  | 511.2 | 502.7 | 495.2 | 487.7 | 483.1 | 476.6 | 476.0 | 476.0 |
| 537.9  | 5°    | 529.1  | 520.6  | 504.3 | 487.1 | 467.2 | 448.3 | 429.4 | 411.1 | 405.3 | 401.0 |
| 551.6  | 7.5°  | 539.5  | 526.2  | 500.4 | 467.5 | 429.7 | 388.3 | 359.3 | 328.1 | 316.0 | 309.5 |
| 569.8  | 10°   | 554.5  | 536.2  | 497.2 | 439.5 | 378.2 | 321.9 | 280.5 | 246.6 | 233.6 | 228.1 |
| 589.7  | 12.5° | 571.1  | 548.6  | 491.3 | 404.6 | 321.9 | 254.4 | 214.0 | 198.4 | 196.5 | 196.5 |
| 613.5  | 15°   | 591.0  | 563.6  | 481.2 | 363.6 | 262.9 | 201.3 | 187.0 | 187.7 | 189.6 | 190.9 |
| 636.6  | 17.5° | 611.5  | 579.6  | 465.2 | 317.6 | 210.8 | 181.1 | 181.5 | 182.4 | 184.1 | 185.4 |
| 661.7  | 20°   | 633.7  | 595.5  | 444.1 | 268.8 | 180.8 | 175.3 | 176.3 | 177.2 | 178.5 | 179.2 |
| 685.1  | 22.5° | 657.4  | 610.5  | 419.0 | 220.9 | 170.7 | 170.4 | 170.7 | 171.7 | 173.3 | 173.3 |
| 712.5  | 25°   | 682.9  | 627.1  | 390.3 | 186.0 | 165.5 | 165.5 | 166.2 | 166.8 | 168.1 | 168.1 |
| 738.9  | 27.5° | 708.9  | 642.5  | 360.0 | 167.8 | 160.9 | 160.6 | 160.6 | 161.6 | 162.2 | 162.6 |
| 765.0  | 30°   | 737.6  | 660.4  | 329.7 | 163.9 | 157.4 | 155.7 | 154.8 | 155.4 | 156.1 | 156.4 |
| 792.3  | 32.5° | 766.9  | 677.6  | 302.7 | 165.5 | 153.8 | 150.8 | 147.6 | 146.9 | 146.9 | 148.2 |
| 820.7  | 35°   | 799.5  | 696.5  | 281.8 | 171.0 | 151.8 | 143.7 | 138.5 | 135.5 | 135.9 | 137.8 |
| 854.5  | 37.5° | 838.6  | 719.3  | 266.5 | 175.9 | 150.5 | 135.5 | 127.1 | 123.5 | 121.2 | 123.5 |
| 901.1  | 40°   | 889.7  | 752.9  | 255.4 | 179.8 | 148.9 | 126.1 | 114.7 | 108.8 | 104.6 | 105.9 |
| 973.5  | 42.5° | 965.0  | 805.7  | 251.2 | 180.2 | 145.3 | 115.0 | 102.0 | 94.2  | 88.0  | 88.3  |
| 1082.3 | 45°   | 1070.5 | 889.1  | 273.0 | 175.9 | 137.5 | 102.9 | 88.6  | 78.2  | 74.3  | 73.3  |
| 1244.8 | 47.5° | 1215.2 | 1010.6 | 323.5 | 167.1 | 126.1 | 91.2  | 75.6  | 66.8  | 63.9  | 62.2  |
| 1458.2 | 50°   | 1409.0 | 1166.7 | 379.5 | 157.4 | 114.7 | 80.1  | 64.8  | 59.3  | 57.3  | 55.7  |
| 1711.4 | 52.5° | 1633.8 | 1325.0 | 425.5 | 147.6 | 103.3 | 70.4  | 58.0  | 54.7  | 53.1  | 51.8  |
| 1955.7 | 55°   | 1840.1 | 1434.1 | 422.9 | 137.2 | 92.2  | 62.6  | 53.1  | 51.1  | 49.2  | 47.9  |
| 2166.2 | 57.5° | 1968.4 | 1449.4 | 348.6 | 125.8 | 79.5  | 56.4  | 48.5  | 47.2  | 45.0  | 43.3  |
| 2348.3 | 60°   | 2027.4 | 1362.1 | 244.3 | 110.8 | 66.8  | 50.5  | 43.7  | 43.0  | 40.1  | 37.8  |
| 2520.6 | 62.5° | 2038.1 | 1199.9 | 162.9 | 92.2  | 55.7  | 45.0  | 38.8  | 37.8  | 33.9  | 30.0  |
| 2660.7 | 65°   | 1994.5 | 967.9  | 112.7 | 72.0  | 47.6  | 39.1  | 33.2  | 31.3  | 27.0  | 23.1  |
| 2694.0 | 67.5° | 1856.3 | 679.6  | 78.5  | 51.8  | 40.4  | 31.0  | 26.4  | 25.7  | 22.5  | 19.2  |
| 2524.5 | 70°   | 1603.2 | 387.4  | 52.5  | 38.8  | 31.9  | 21.2  | 20.9  | 21.5  | 18.2  | 15.6  |
| 2062.6 | 72.5° | 1229.2 | 177.2  | 32.6  | 28.3  | 21.8  | 14.3  | 16.6  | 16.9  | 14.0  | 11.7  |
| 1286.9 | 75°   | 723.6  | 75.9   | 20.5  | 18.2  | 11.1  | 9.4   | 12.1  | 12.4  | 9.4   | 7.5   |
| 470.4  | 77.5° | 246.3  | 28.7   | 13.0  | 10.8  | 5.5   | 5.2   | 7.8   | 7.8   | 5.2   | 2.9   |
| 94.5   | 80°   | 56.0   | 10.8   | 6.5   | 4.2   | 2.6   | 2.3   | 2.6   | 2.3   | 1.3   | 0.3   |
| 29.0   | 82.5° | 16.0   | 4.2    | 2.6   | 1.6   | 1.0   | 1.0   | 0.3   | 0.0   | 0.0   | 0.0   |
| 10.1   | 85°   | 4.6    | 2.0    | 0.7   | 0.7   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 3.6    | 87.5° | 2.0    | 0.3    | 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°  |
|-------|
| 522.9 |
| 477.6 |
| 403.0 |
| 310.5 |
| 228.1 |
| 196.5 |
| 190.9 |
| 185.4 |
| 179.5 |
| 174.0 |
| 168.4 |
| 162.9 |
| 157.0 |
| 149.2 |
| 138.8 |
| 122.8 |
| 105.2 |
| 87.0  |
| 72.0  |
| 61.2  |
| 55.4  |
| 51.5  |
| 47.2  |
| 43.0  |
| 37.1  |
| 28.0  |
| 21.8  |
| 18.2  |
| 14.3  |
| 10.4  |
| 6.5   |
| 2.3   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |