

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: P945286

Luminaire Tested: **GLAN-SB1B-740-U-T2U-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P945286  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1B-740-U-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 4000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II U OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 4554 lumens  
Efficiency: N/A  
Efficacy: 114.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

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



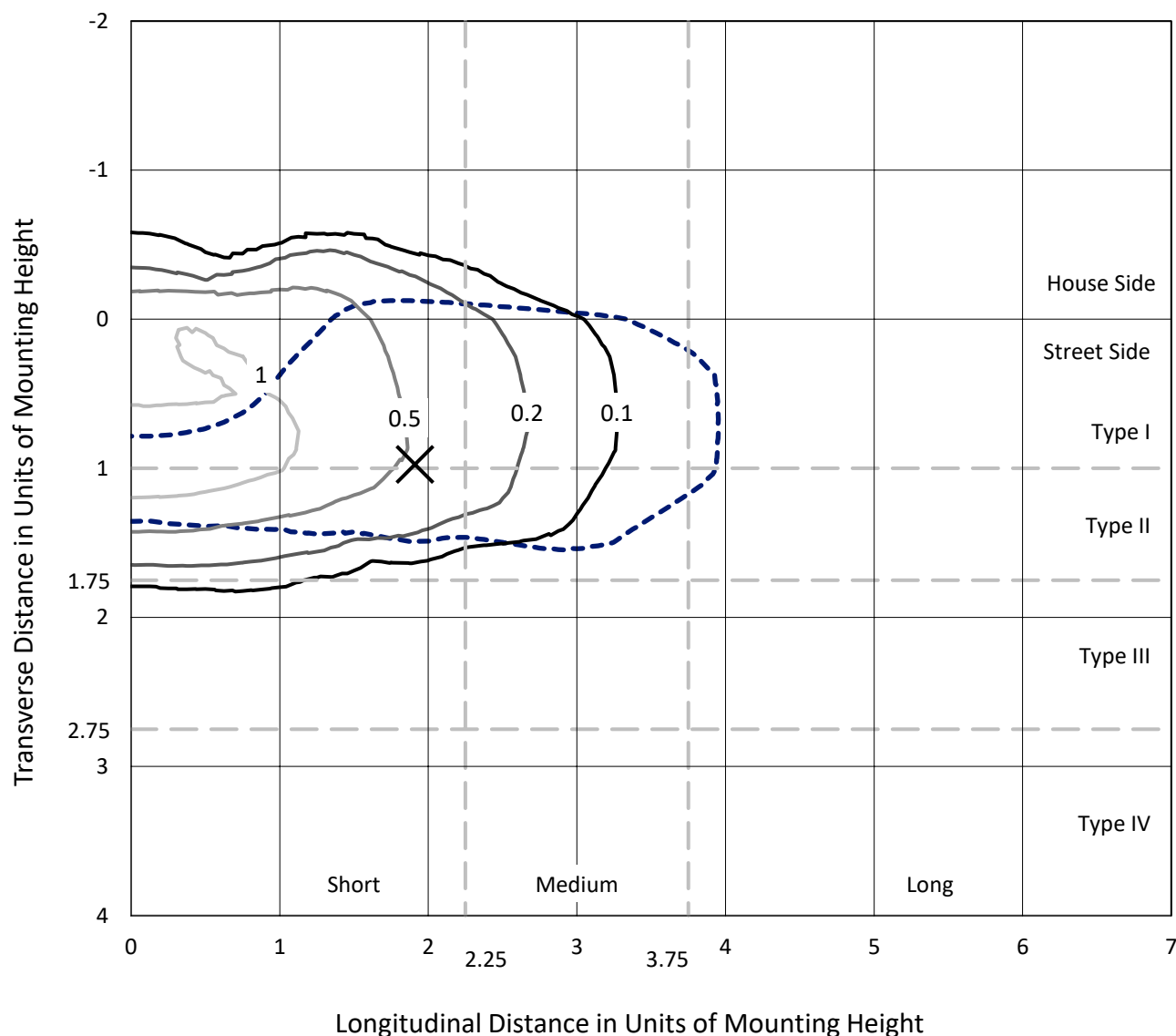
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

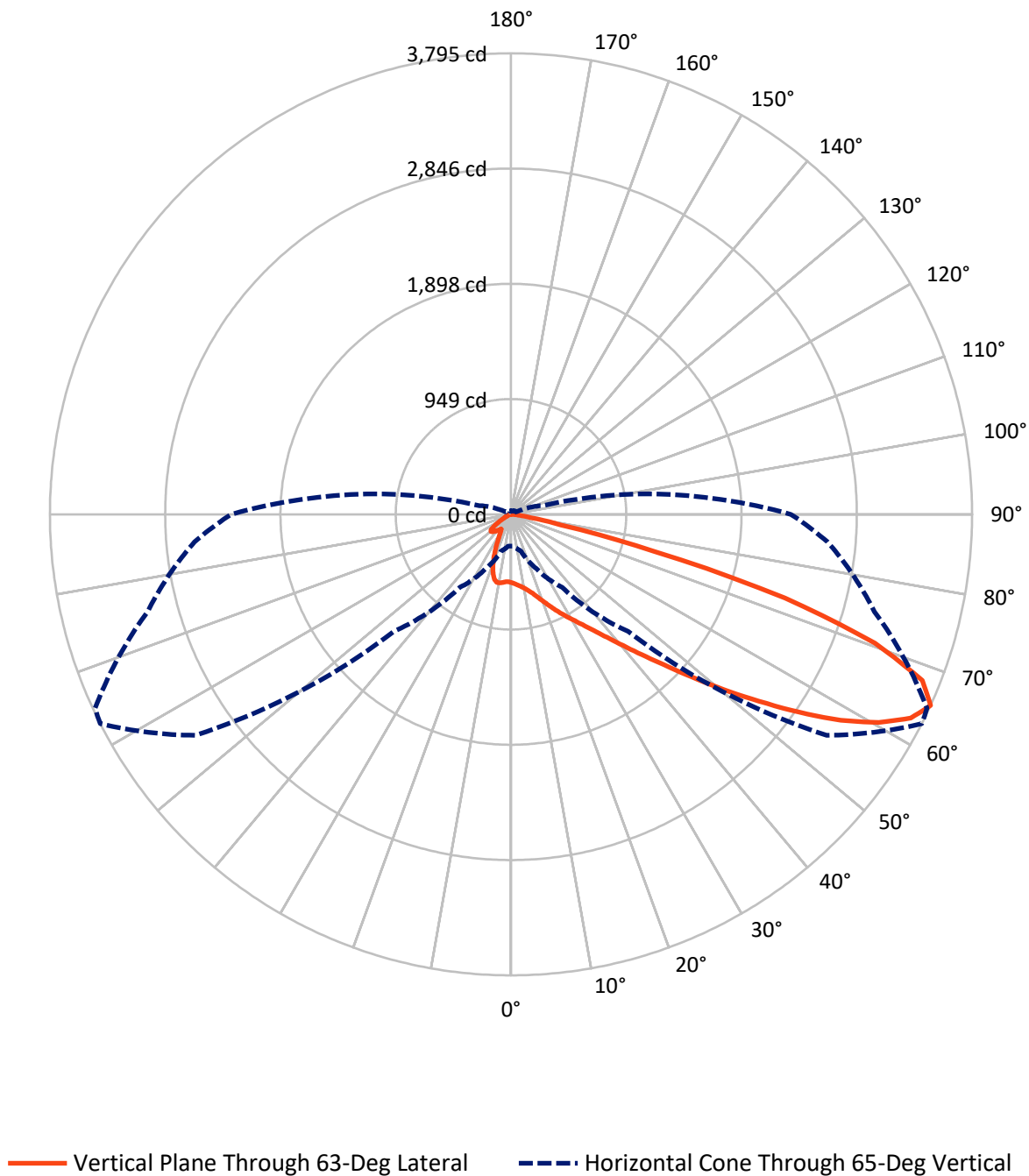


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc

Type II - Short - N/A

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## Luminous Intensity Polar Plot



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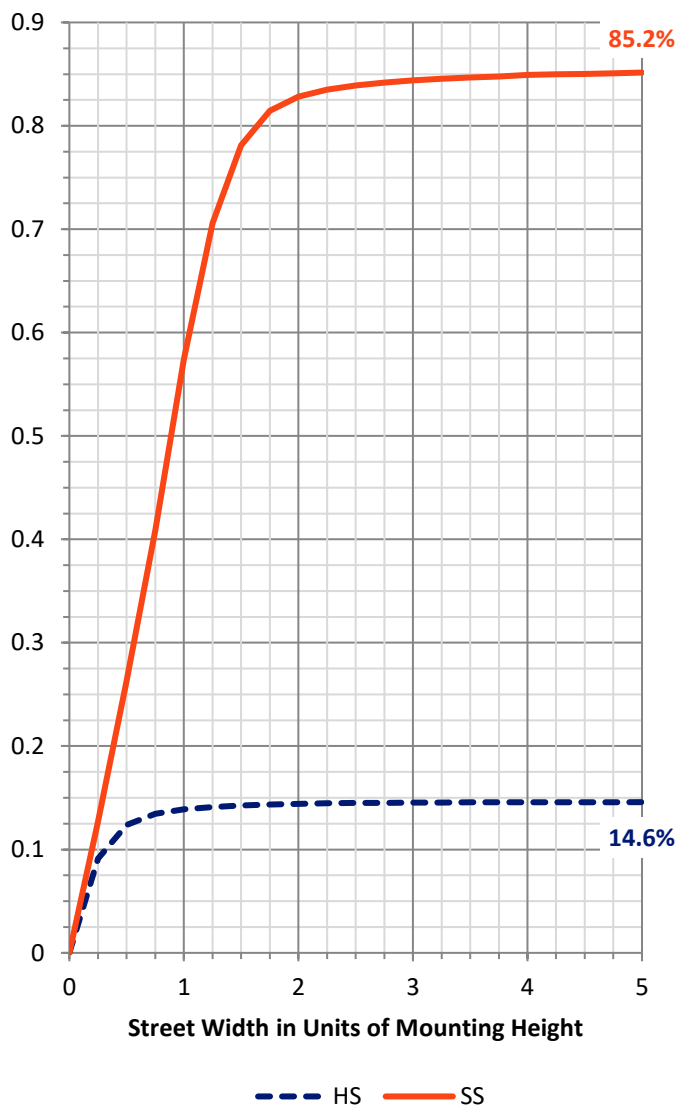
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 669.4    | 0.0    | 669.4  |
|                    | % Fixture | 14.7     | 0.0    | 14.7   |
| <b>Street Side</b> | Lumens    | 3884.6   | 0.0    | 3884.6 |
|                    | % Fixture | 85.3     | 0.0    | 85.3   |
| <b>Total</b>       | Lumens    | 4554.0   | 0.0    | 4554.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 53.0   | 1.2       |
| 10°-20°   | 146.9  | 3.2       |
| 20°-30°   | 255.8  | 5.6       |
| 30°-40°   | 461.1  | 10.1      |
| 40°-50°   | 914.6  | 20.1      |
| 50°-60°   | 1245.8 | 27.4      |
| 60°-70°   | 994.4  | 21.8      |
| 70°-80°   | 450.0  | 9.9       |
| 80°-90°   | 32.3   | 0.7       |
| 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°    | 4554.0 | 100.0     |
| 0°-180°   | 4554.0 | 100.0     |

**Coefficient of Utilization**



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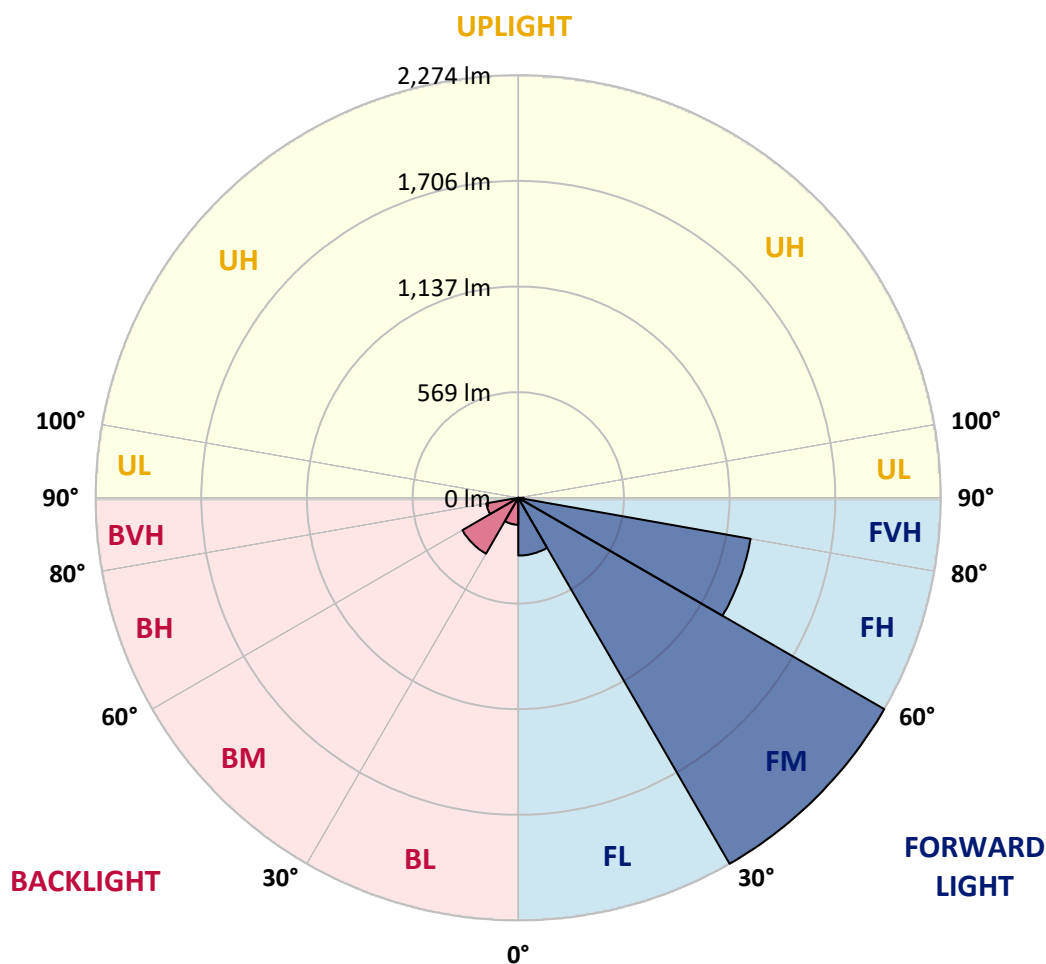
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 310.9  | 6.8       |                         |      |         |
| FM   | (30°-60°)   | 2274.2 | 49.9      |                         |      |         |
| FH   | (60°-80°)   | 1269.6 | 27.9      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 29.9   | 0.7       |                         |      | G1/100  |
| BL   | (0°-30°)    | 144.9  | 3.2       | B1/500                  |      |         |
| BM   | (30°-60°)   | 347.4  | 7.6       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 174.8  | 3.8       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 2.4    | 0.1       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G1**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 63°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 562.0  | 562.0  | 562.0  | 562.0  | 562.0  | 562.0  | 562.0  | 562.0  | 562.0  | 562.0  |
| 2.5°  | 575.2  | 573.6  | 575.8  | 574.9  | 574.3  | 573.0  | 572.4  | 571.8  | 570.5  | 569.6  |
| 5°    | 576.8  | 575.8  | 578.0  | 579.9  | 581.8  | 583.7  | 584.6  | 585.9  | 584.6  | 582.1  |
| 7.5°  | 563.6  | 563.0  | 567.7  | 573.3  | 581.8  | 589.0  | 596.8  | 601.2  | 601.5  | 600.6  |
| 10°   | 562.7  | 561.1  | 565.8  | 572.7  | 583.7  | 596.5  | 610.3  | 619.7  | 620.9  | 625.0  |
| 12.5° | 577.4  | 575.8  | 582.4  | 589.9  | 601.2  | 614.7  | 631.6  | 644.8  | 646.6  | 652.3  |
| 15°   | 602.2  | 600.0  | 607.5  | 617.2  | 631.6  | 647.0  | 664.8  | 676.7  | 678.3  | 685.2  |
| 17.5° | 631.0  | 628.8  | 637.6  | 647.9  | 663.6  | 684.5  | 705.2  | 718.4  | 720.3  | 724.6  |
| 20°   | 667.9  | 665.1  | 672.0  | 681.4  | 698.0  | 723.1  | 747.8  | 766.6  | 766.3  | 766.3  |
| 22.5° | 710.9  | 706.5  | 712.4  | 719.9  | 735.6  | 766.0  | 798.9  | 821.1  | 821.1  | 812.4  |
| 25°   | 756.9  | 752.5  | 759.1  | 766.0  | 779.8  | 814.3  | 852.8  | 880.4  | 881.6  | 866.6  |
| 27.5° | 814.6  | 808.9  | 813.9  | 822.1  | 830.2  | 865.3  | 911.1  | 943.0  | 943.6  | 920.5  |
| 30°   | 925.5  | 909.5  | 893.8  | 885.1  | 888.8  | 923.6  | 972.5  | 1007.9 | 1011.0 | 979.0  |
| 32.5° | 1128.5 | 1125.4 | 1070.2 | 998.2  | 960.6  | 986.2  | 1041.1 | 1083.7 | 1085.6 | 1044.5 |
| 35°   | 1444.0 | 1440.2 | 1351.6 | 1214.3 | 1091.8 | 1070.2 | 1124.4 | 1174.9 | 1173.6 | 1127.2 |
| 37.5° | 1820.6 | 1817.1 | 1700.2 | 1516.7 | 1318.3 | 1197.1 | 1231.9 | 1284.8 | 1292.7 | 1231.9 |
| 40°   | 2142.3 | 2129.5 | 2055.5 | 1878.5 | 1619.1 | 1407.6 | 1384.8 | 1419.8 | 1428.0 | 1355.9 |
| 42.5° | 2386.0 | 2375.1 | 2337.5 | 2226.9 | 1983.2 | 1719.0 | 1564.9 | 1578.4 | 1587.5 | 1501.0 |
| 45°   | 2512.3 | 2509.8 | 2524.8 | 2514.5 | 2354.1 | 2101.3 | 1822.4 | 1766.4 | 1769.8 | 1661.7 |
| 47.5° | 2530.2 | 2528.9 | 2597.5 | 2694.6 | 2673.0 | 2532.4 | 2153.0 | 2000.7 | 1988.5 | 1843.1 |
| 50°   | 2424.9 | 2422.4 | 2554.0 | 2736.0 | 2886.1 | 2894.5 | 2528.3 | 2264.8 | 2237.9 | 2030.8 |
| 52.5° | 2088.7 | 2088.1 | 2304.3 | 2607.2 | 2960.9 | 3211.6 | 2899.2 | 2554.9 | 2509.8 | 2229.4 |
| 55°   | 1607.2 | 1618.8 | 1866.6 | 2224.7 | 2824.3 | 3364.2 | 3232.3 | 2877.0 | 2807.7 | 2429.3 |
| 57.5° | 1138.5 | 1155.4 | 1400.4 | 1719.4 | 2400.8 | 3273.9 | 3457.5 | 3199.7 | 3125.1 | 2628.5 |
| 60°   | 611.6  | 626.6  | 871.9  | 1252.5 | 1786.1 | 2937.4 | 3576.3 | 3479.8 | 3409.3 | 2817.8 |
| 62.5° | 364.4  | 369.4  | 470.9  | 808.6  | 1208.1 | 2244.1 | 3525.8 | 3693.1 | 3635.2 | 2976.6 |
| 65°   | 261.6  | 262.5  | 313.6  | 493.8  | 733.4  | 1363.5 | 3172.1 | 3795.2 | 3777.4 | 3096.3 |
| 67.5° | 220.2  | 219.6  | 240.9  | 328.0  | 499.7  | 683.0  | 2431.2 | 3650.8 | 3726.6 | 3172.1 |
| 70°   | 188.9  | 189.9  | 214.9  | 240.3  | 375.6  | 386.6  | 1208.7 | 3178.7 | 3340.3 | 3192.2 |
| 72.5° | 140.7  | 143.8  | 167.0  | 219.0  | 283.5  | 266.0  | 417.3  | 2356.9 | 2649.2 | 3007.6 |
| 75°   | 99.3   | 100.9  | 117.5  | 184.2  | 211.5  | 193.6  | 213.0  | 1218.4 | 1593.1 | 2305.8 |
| 77.5° | 76.4   | 79.3   | 89.0   | 128.8  | 208.3  | 136.0  | 130.3  | 421.7  | 647.9  | 1392.9 |
| 80°   | 41.4   | 46.4   | 64.2   | 93.0   | 146.3  | 96.2   | 64.5   | 167.9  | 219.6  | 651.3  |
| 82.5° | 21.3   | 23.8   | 44.8   | 67.0   | 83.3   | 84.0   | 32.0   | 69.9   | 90.5   | 201.1  |
| 85°   | 8.5    | 10.3   | 30.1   | 37.0   | 42.9   | 41.4   | 14.4   | 28.2   | 32.6   | 55.8   |
| 87.5° | 1.9    | 3.1    | 11.0   | 8.5    | 8.1    | 8.8    | 3.4    | 6.6    | 6.3    | 6.6    |
| 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°  |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 562.0  | 0°    | 562.0  | 562.0  | 562.0 | 562.0 | 562.0 | 562.0 | 562.0 | 562.0 | 562.0 | 562.0 |
| 565.8  | 2.5°  | 565.5  | 564.2  | 560.8 | 557.0 | 552.7 | 550.1 | 548.6 | 548.3 | 546.1 | 544.5 |
| 578.3  | 5°    | 574.9  | 573.6  | 567.1 | 559.2 | 550.8 | 544.2 | 537.9 | 532.3 | 524.1 | 522.6 |
| 596.5  | 7.5°  | 593.7  | 590.2  | 579.6 | 568.9 | 553.0 | 533.9 | 510.7 | 484.0 | 460.2 | 453.0 |
| 620.6  | 10°   | 616.9  | 612.2  | 598.7 | 579.9 | 544.5 | 492.5 | 436.4 | 384.4 | 343.1 | 331.5 |
| 649.1  | 12.5° | 643.2  | 639.1  | 621.3 | 586.5 | 509.1 | 414.8 | 329.0 | 264.4 | 224.3 | 214.3 |
| 679.5  | 15°   | 674.5  | 668.6  | 643.8 | 576.5 | 445.8 | 315.2 | 225.9 | 187.7 | 173.3 | 171.4 |
| 714.3  | 17.5° | 707.7  | 698.0  | 663.9 | 540.4 | 360.6 | 224.0 | 174.5 | 163.5 | 157.3 | 155.4 |
| 749.4  | 20°   | 738.1  | 725.6  | 675.8 | 485.9 | 269.4 | 174.5 | 156.3 | 149.1 | 143.5 | 141.3 |
| 784.5  | 22.5° | 768.5  | 750.7  | 675.8 | 411.7 | 202.1 | 154.8 | 143.5 | 136.9 | 130.3 | 127.5 |
| 822.1  | 25°   | 800.2  | 776.3  | 663.9 | 329.0 | 162.6 | 141.9 | 131.3 | 124.1 | 118.4 | 115.0 |
| 857.8  | 27.5° | 830.9  | 798.0  | 636.6 | 250.6 | 144.7 | 130.6 | 120.0 | 113.1 | 107.8 | 105.3 |
| 896.6  | 30°   | 860.0  | 819.3  | 598.4 | 190.2 | 133.1 | 119.7 | 109.7 | 103.7 | 98.4  | 95.9  |
| 947.1  | 32.5° | 899.5  | 846.2  | 557.7 | 156.0 | 123.1 | 109.3 | 100.3 | 94.6  | 89.9  | 88.0  |
| 1012.6 | 35°   | 954.3  | 886.0  | 522.6 | 153.2 | 114.7 | 100.9 | 91.8  | 86.5  | 81.8  | 80.2  |
| 1097.2 | 37.5° | 1032.0 | 950.2  | 504.1 | 172.0 | 107.8 | 93.4  | 84.9  | 79.3  | 74.9  | 73.6  |
| 1204.6 | 40°   | 1127.9 | 1037.3 | 514.1 | 190.8 | 103.1 | 86.8  | 78.6  | 73.0  | 69.2  | 67.7  |
| 1328.1 | 42.5° | 1241.6 | 1144.8 | 569.6 | 205.2 | 99.9  | 81.1  | 72.7  | 66.4  | 63.9  | 63.3  |
| 1468.1 | 45°   | 1372.2 | 1262.9 | 654.5 | 220.6 | 94.9  | 75.8  | 66.7  | 62.0  | 60.2  | 59.8  |
| 1620.4 | 47.5° | 1520.7 | 1392.6 | 752.8 | 239.7 | 89.9  | 70.8  | 62.0  | 58.9  | 57.3  | 56.7  |
| 1779.2 | 50°   | 1668.0 | 1523.2 | 854.0 | 250.3 | 85.8  | 66.1  | 58.3  | 55.8  | 54.5  | 54.2  |
| 1947.1 | 52.5° | 1822.1 | 1657.6 | 935.8 | 240.3 | 82.4  | 62.3  | 55.1  | 53.3  | 52.0  | 51.7  |
| 2101.9 | 55°   | 1969.1 | 1766.4 | 949.9 | 204.0 | 75.5  | 58.6  | 51.7  | 50.8  | 49.2  | 49.2  |
| 2258.9 | 57.5° | 2095.6 | 1820.9 | 850.3 | 149.8 | 68.6  | 52.9  | 48.2  | 47.3  | 46.1  | 45.7  |
| 2400.5 | 60°   | 2211.9 | 1805.2 | 656.4 | 100.9 | 61.1  | 47.3  | 43.9  | 43.2  | 42.0  | 40.4  |
| 2523.6 | 62.5° | 2277.3 | 1736.3 | 449.0 | 65.8  | 53.6  | 41.4  | 38.8  | 38.5  | 35.7  | 32.6  |
| 2614.8 | 65°   | 2302.1 | 1594.7 | 280.1 | 47.9  | 44.8  | 35.4  | 33.5  | 32.9  | 28.8  | 25.4  |
| 2666.4 | 67.5° | 2280.5 | 1361.6 | 141.3 | 37.9  | 35.4  | 29.4  | 27.6  | 27.6  | 24.8  | 21.6  |
| 2663.3 | 70°   | 2194.0 | 1020.7 | 59.5  | 30.4  | 27.3  | 22.6  | 22.6  | 23.8  | 21.0  | 17.5  |
| 2525.2 | 72.5° | 2006.3 | 686.7  | 31.6  | 23.2  | 20.4  | 16.0  | 18.5  | 19.4  | 16.6  | 13.2  |
| 2066.8 | 75°   | 1595.0 | 418.9  | 21.9  | 17.2  | 12.8  | 11.3  | 14.1  | 14.7  | 11.3  | 8.8   |
| 1417.0 | 77.5° | 1090.9 | 240.6  | 14.7  | 11.0  | 8.1   | 6.6   | 9.7   | 9.1   | 6.0   | 4.1   |
| 546.4  | 80°   | 479.0  | 100.3  | 8.5   | 5.0   | 3.1   | 2.5   | 3.4   | 2.5   | 1.9   | 1.3   |
| 74.9   | 82.5° | 56.1   | 23.5   | 3.1   | 1.9   | 1.3   | 0.6   | 0.3   | 0.0   | 0.0   | 0.0   |
| 22.9   | 85°   | 11.6   | 2.8    | 1.6   | 0.6   | 0.3   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 4.1    | 87.5° | 2.2    | 0.6    | 0.3   | 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°  |
|-------|
| 562.0 |
| 546.1 |
| 521.9 |
| 449.6 |
| 327.1 |
| 211.5 |
| 169.5 |
| 154.5 |
| 140.0 |
| 125.9 |
| 113.7 |
| 105.3 |
| 96.2  |
| 88.0  |
| 80.2  |
| 73.3  |
| 67.4  |
| 63.3  |
| 59.5  |
| 56.7  |
| 54.2  |
| 51.7  |
| 48.9  |
| 45.4  |
| 40.1  |
| 32.0  |
| 25.1  |
| 21.3  |
| 17.2  |
| 13.2  |
| 8.5   |
| 4.4   |
| 1.3   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |