

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: P939558

Luminaire Tested: **GLAN-SB2A-950-U-T4FT-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P939558  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2A-950-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 4725 lumens  
Efficiency: N/A  
Efficacy: 82.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

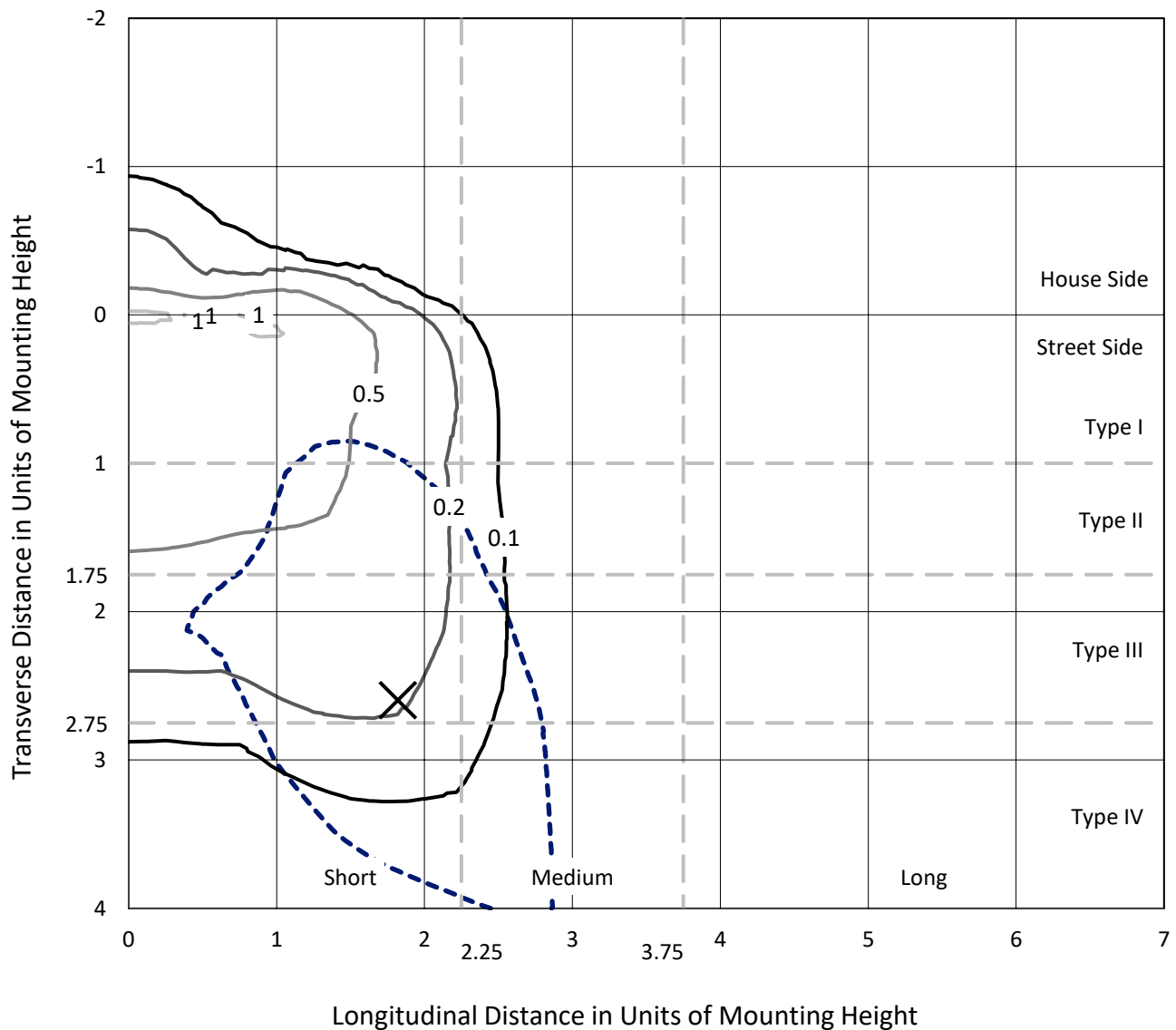
Input Watts (W): 57.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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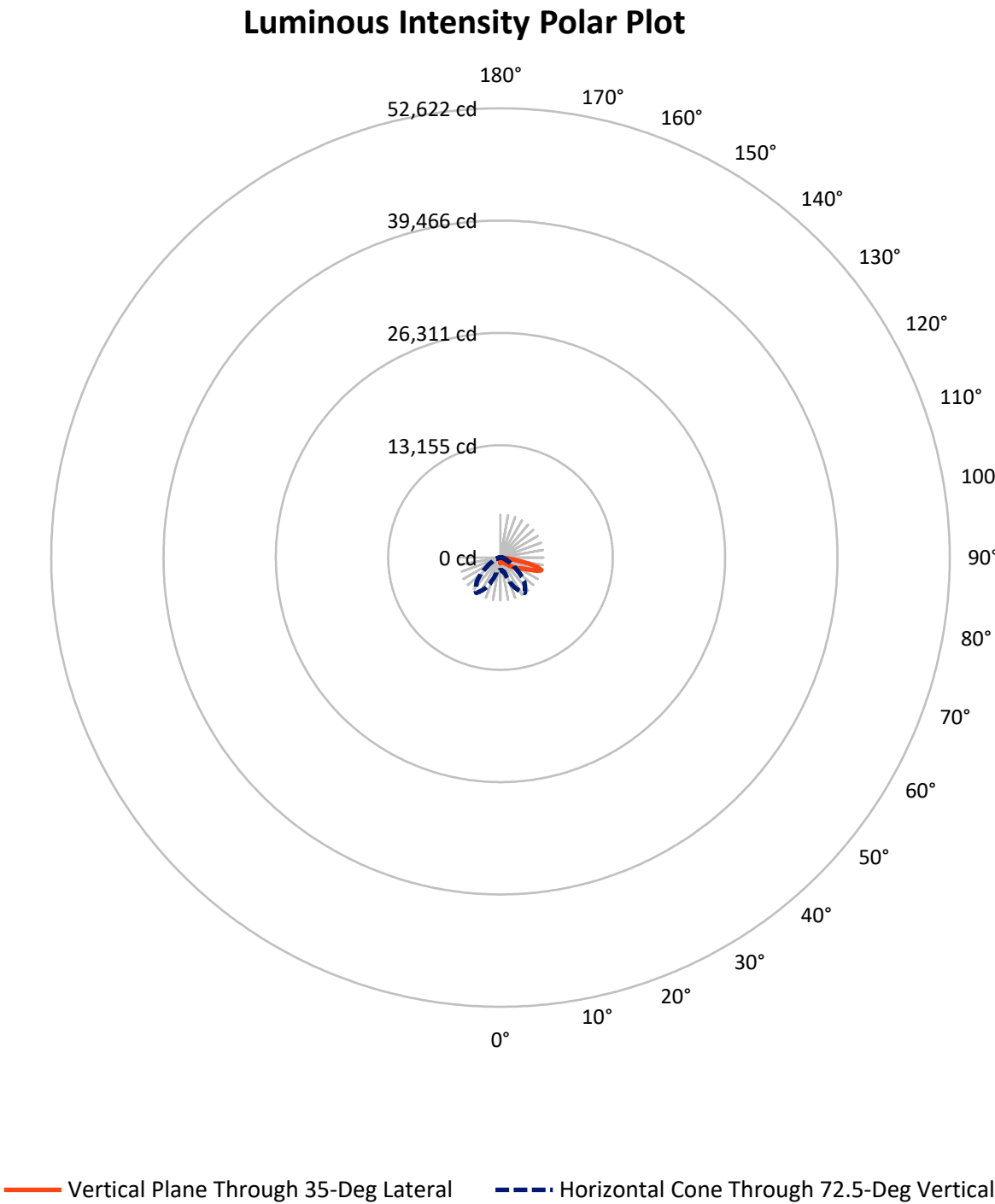
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
Type IV - Short - N/A

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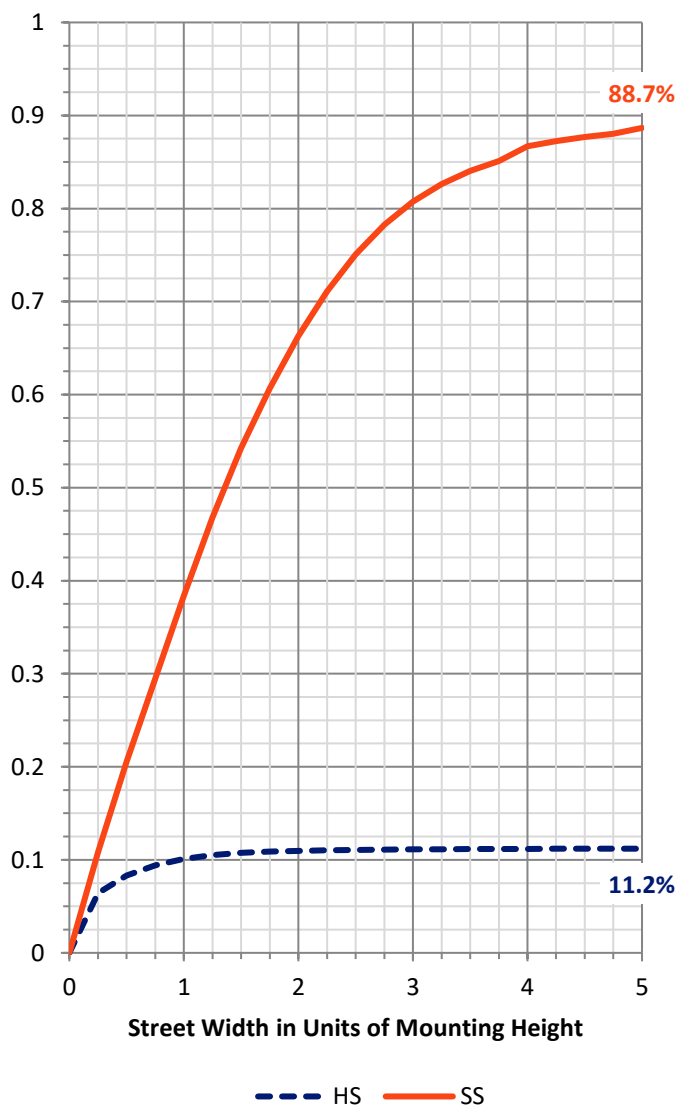
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 531.8    | 0.0    | 531.8  |
|                    | % Fixture | 11.3     | 0.0    | 11.3   |
| <b>Street Side</b> | Lumens    | 4193.2   | 0.0    | 4193.2 |
|                    | % Fixture | 88.7     | 0.0    | 88.7   |
| <b>Total</b>       | Lumens    | 4725.0   | 0.0    | 4725.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 56.3   | 1.2       |
| 10°-20°   | 131.6  | 2.8       |
| 20°-30°   | 213.9  | 4.5       |
| 30°-40°   | 356.8  | 7.6       |
| 40°-50°   | 675.1  | 14.3      |
| 50°-60°   | 1072.7 | 22.7      |
| 60°-70°   | 1327.0 | 28.1      |
| 70°-80°   | 824.9  | 17.5      |
| 80°-90°   | 66.7   | 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°    | 4725.0 | 100.0     |
| 0°-180°   | 4725.0 | 100.0     |

**Coefficient of Utilization**



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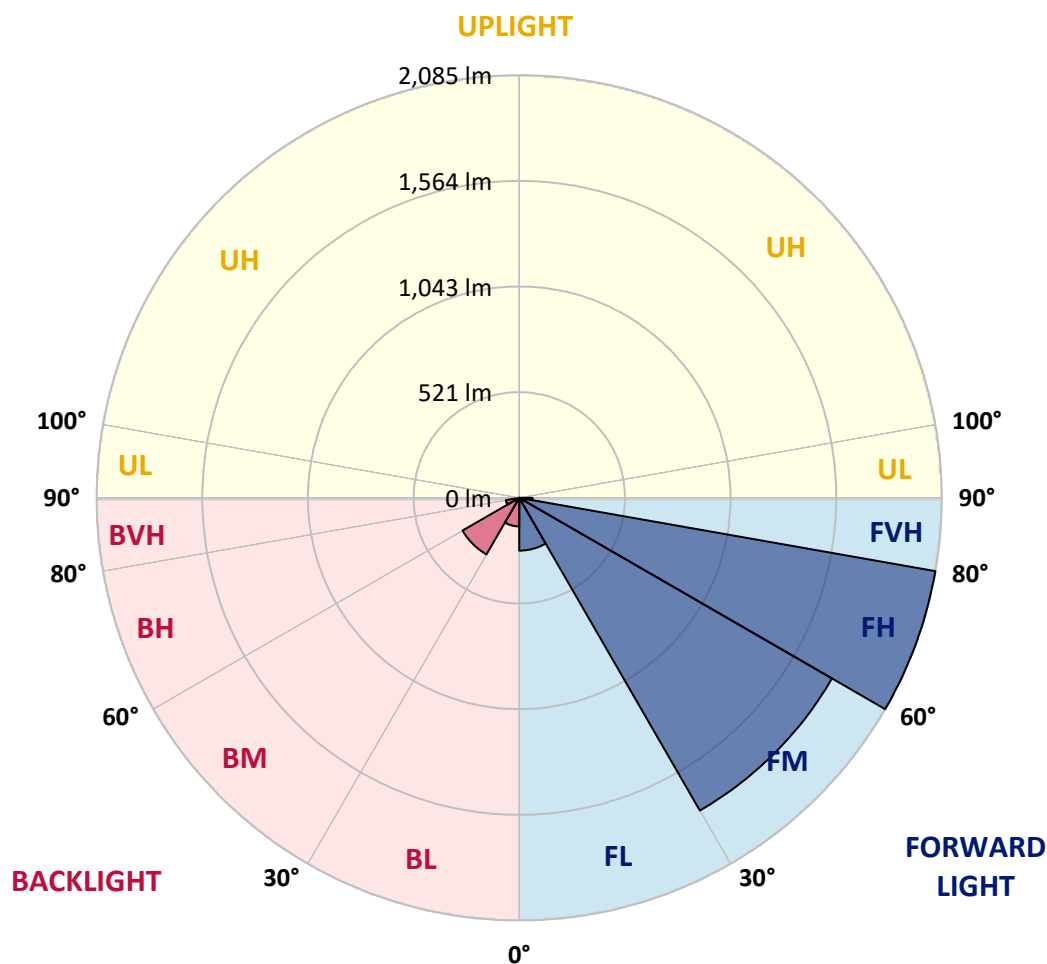
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 260.5  | 5.5       |                         |      |         |
| FM   | (30°-60°)   | 1781.8 | 37.7      |                         |      |         |
| FH   | (60°-80°)   | 2085.2 | 44.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 65.8   | 1.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 141.3  | 3.0       | B1/500                  |      |         |
| BM   | (30°-60°)   | 322.8  | 6.8       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 66.7   | 1.4       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 0.9    | 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°    | 34°    | 35°    | 45°    | 55°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 684.8  | 684.8  | 684.8  | 684.8  | 684.8  | 684.8  | 684.8  | 684.8  | 684.8  | 684.8  |
| 2.5°  | 654.3  | 659.9  | 660.9  | 662.7  | 662.7  | 664.7  | 668.2  | 673.0  | 681.0  | 685.2  |
| 5°    | 603.1  | 607.3  | 612.5  | 616.6  | 624.6  | 625.6  | 639.1  | 652.3  | 670.6  | 684.5  |
| 7.5°  | 551.5  | 556.4  | 563.3  | 573.3  | 583.7  | 586.8  | 607.3  | 629.4  | 658.5  | 684.5  |
| 10°   | 515.2  | 515.5  | 521.7  | 531.8  | 548.4  | 552.2  | 577.1  | 608.6  | 645.0  | 680.3  |
| 12.5° | 494.7  | 497.2  | 499.9  | 507.5  | 523.5  | 525.9  | 552.6  | 589.6  | 631.5  | 677.9  |
| 15°   | 494.7  | 496.5  | 498.2  | 502.0  | 514.8  | 516.9  | 540.4  | 577.5  | 624.6  | 678.9  |
| 17.5° | 499.9  | 502.7  | 501.3  | 505.8  | 519.3  | 520.7  | 541.5  | 574.0  | 624.2  | 685.5  |
| 20°   | 512.4  | 514.5  | 511.7  | 514.5  | 528.0  | 530.7  | 552.2  | 580.6  | 630.1  | 696.9  |
| 22.5° | 532.1  | 533.2  | 526.6  | 528.7  | 542.5  | 546.0  | 570.9  | 599.3  | 644.3  | 715.3  |
| 25°   | 557.1  | 559.1  | 549.1  | 551.5  | 564.7  | 568.8  | 597.6  | 627.3  | 666.8  | 740.6  |
| 27.5° | 585.8  | 586.8  | 578.2  | 577.8  | 594.8  | 600.7  | 629.8  | 662.0  | 696.9  | 772.4  |
| 30°   | 618.7  | 621.8  | 613.5  | 612.1  | 633.6  | 638.4  | 667.2  | 704.5  | 741.2  | 820.2  |
| 32.5° | 644.7  | 647.1  | 642.2  | 645.7  | 667.5  | 671.3  | 712.5  | 764.8  | 810.8  | 888.0  |
| 35°   | 682.0  | 683.4  | 672.3  | 678.6  | 703.5  | 713.2  | 774.5  | 849.3  | 898.4  | 973.2  |
| 37.5° | 817.4  | 817.4  | 770.3  | 739.5  | 763.4  | 772.1  | 859.3  | 955.6  | 1006.4 | 1087.5 |
| 40°   | 1004.7 | 1001.6 | 932.7  | 869.7  | 866.6  | 883.5  | 980.1  | 1089.5 | 1146.0 | 1224.6 |
| 42.5° | 1204.5 | 1199.6 | 1105.8 | 1043.5 | 1033.1 | 1039.0 | 1119.7 | 1254.7 | 1312.2 | 1391.8 |
| 45°   | 1381.7 | 1380.4 | 1294.5 | 1210.7 | 1192.0 | 1210.7 | 1293.8 | 1447.9 | 1489.1 | 1572.8 |
| 47.5° | 1530.3 | 1530.3 | 1467.6 | 1412.9 | 1403.2 | 1414.3 | 1529.6 | 1662.2 | 1658.4 | 1765.7 |
| 50°   | 1701.3 | 1699.9 | 1640.4 | 1616.8 | 1626.9 | 1642.4 | 1801.0 | 1887.9 | 1833.5 | 1955.1 |
| 52.5° | 1821.1 | 1829.4 | 1809.0 | 1805.2 | 1856.4 | 1883.4 | 2076.6 | 2108.8 | 1990.4 | 2134.8 |
| 55°   | 1915.9 | 1925.6 | 1949.2 | 1975.8 | 2074.5 | 2109.8 | 2343.5 | 2318.2 | 2121.6 | 2290.6 |
| 57.5° | 2050.3 | 2036.4 | 2072.8 | 2125.4 | 2285.0 | 2327.6 | 2602.1 | 2515.9 | 2227.2 | 2416.9 |
| 60°   | 2213.3 | 2215.4 | 2221.7 | 2288.1 | 2495.2 | 2549.9 | 2857.0 | 2702.9 | 2295.1 | 2494.5 |
| 62.5° | 2409.3 | 2412.4 | 2425.2 | 2527.4 | 2777.3 | 2828.9 | 3128.4 | 2855.9 | 2326.2 | 2472.7 |
| 65°   | 2395.8 | 2409.0 | 2551.9 | 2901.3 | 3206.3 | 3257.2 | 3445.2 | 2963.2 | 2279.1 | 2273.2 |
| 67.5° | 2182.5 | 2204.0 | 2443.2 | 3347.9 | 3853.0 | 3909.8 | 3828.1 | 2984.4 | 2075.9 | 1767.8 |
| 70°   | 1902.8 | 1910.4 | 2198.1 | 3749.5 | 4601.9 | 4659.3 | 4170.8 | 2752.1 | 1575.3 | 986.0  |
| 72.5° | 1485.9 | 1487.7 | 1825.2 | 3842.6 | 5008.3 | 5011.4 | 3901.8 | 2043.0 | 847.2  | 378.8  |
| 75°   | 1061.5 | 1051.1 | 1222.5 | 3116.3 | 4406.3 | 4441.6 | 2925.2 | 958.3  | 323.7  | 179.0  |
| 77.5° | 569.2  | 580.6  | 691.7  | 1848.1 | 3043.9 | 3104.2 | 1596.0 | 276.3  | 164.8  | 121.9  |
| 80°   | 175.9  | 185.6  | 283.5  | 846.1  | 1724.1 | 1760.5 | 591.7  | 122.9  | 114.9  | 86.9   |
| 82.5° | 55.4   | 57.5   | 132.3  | 355.6  | 715.6  | 732.2  | 171.4  | 69.6   | 78.6   | 57.5   |
| 85°   | 15.9   | 16.3   | 58.9   | 132.6  | 176.9  | 180.4  | 48.1   | 27.0   | 45.0   | 35.7   |
| 87.5° | 1.7    | 5.5    | 22.2   | 22.2   | 15.6   | 15.2   | 5.2    | 5.9    | 12.8   | 4.5    |
| 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°  |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 684.8  | 0°    | 684.8  | 684.8  | 684.8 | 684.8 | 684.8 | 684.8 | 684.8 | 684.8 | 684.8 | 684.8 |
| 687.9  | 2.5°  | 686.2  | 686.5  | 682.0 | 674.4 | 666.1 | 659.2 | 650.5 | 643.6 | 638.8 | 637.4 |
| 694.2  | 5°    | 691.0  | 688.6  | 675.8 | 652.6 | 624.9 | 601.0 | 574.4 | 553.2 | 539.4 | 533.5 |
| 700.7  | 7.5°  | 698.3  | 691.4  | 663.3 | 617.6 | 564.7 | 517.6 | 469.8 | 432.8 | 409.2 | 397.5 |
| 707.0  | 10°   | 704.5  | 690.7  | 642.6 | 567.1 | 486.1 | 414.8 | 350.4 | 305.7 | 280.8 | 269.0 |
| 714.2  | 12.5° | 710.4  | 690.4  | 615.6 | 507.2 | 397.5 | 310.2 | 250.3 | 228.2 | 221.2 | 218.8 |
| 726.0  | 15°   | 721.5  | 691.4  | 581.6 | 438.7 | 309.2 | 234.4 | 212.6 | 212.2 | 213.6 | 212.9 |
| 744.0  | 17.5° | 736.7  | 692.4  | 543.2 | 365.9 | 238.5 | 206.7 | 205.7 | 208.8 | 210.8 | 209.8 |
| 766.5  | 20°   | 756.5  | 696.6  | 502.4 | 293.9 | 205.0 | 199.8 | 202.2 | 205.0 | 206.7 | 205.0 |
| 796.6  | 22.5° | 784.2  | 703.9  | 457.7 | 236.1 | 194.2 | 195.6 | 197.7 | 200.8 | 202.5 | 200.1 |
| 835.1  | 25°   | 818.1  | 715.3  | 413.7 | 205.3 | 189.0 | 190.8 | 193.9 | 197.3 | 199.4 | 197.0 |
| 883.5  | 27.5° | 862.1  | 733.6  | 373.2 | 198.4 | 183.8 | 184.9 | 189.4 | 194.6 | 197.3 | 194.2 |
| 952.4  | 30°   | 925.8  | 763.7  | 338.3 | 201.5 | 180.7 | 178.3 | 184.5 | 191.8 | 194.9 | 192.1 |
| 1046.3 | 32.5° | 1010.3 | 806.3  | 316.8 | 206.3 | 179.3 | 170.7 | 176.6 | 185.9 | 191.1 | 189.4 |
| 1168.8 | 35°   | 1121.0 | 871.1  | 308.5 | 211.9 | 178.3 | 162.7 | 166.9 | 176.9 | 185.9 | 187.6 |
| 1323.2 | 37.5° | 1255.4 | 961.1  | 310.9 | 214.3 | 175.2 | 156.1 | 158.2 | 166.9 | 178.6 | 184.2 |
| 1497.0 | 40°   | 1408.1 | 1066.0 | 324.7 | 211.9 | 171.7 | 150.6 | 150.9 | 157.5 | 167.9 | 176.2 |
| 1684.0 | 42.5° | 1565.6 | 1188.6 | 350.4 | 202.9 | 168.6 | 145.8 | 144.7 | 149.2 | 156.1 | 162.0 |
| 1870.6 | 45°   | 1715.5 | 1314.6 | 375.6 | 190.4 | 164.8 | 140.9 | 138.5 | 140.2 | 141.6 | 144.0 |
| 2052.4 | 47.5° | 1846.4 | 1403.2 | 368.4 | 179.0 | 159.6 | 135.4 | 131.2 | 130.5 | 126.4 | 126.0 |
| 2214.7 | 50°   | 1936.7 | 1422.6 | 327.2 | 167.6 | 152.0 | 129.1 | 122.6 | 118.4 | 111.1 | 107.7 |
| 2336.3 | 52.5° | 1965.5 | 1346.1 | 267.3 | 156.1 | 139.5 | 120.8 | 111.5 | 104.9 | 95.9  | 92.8  |
| 2406.2 | 55°   | 1927.4 | 1196.2 | 213.6 | 142.3 | 122.2 | 109.7 | 99.4  | 90.7  | 83.4  | 79.6  |
| 2413.8 | 57.5° | 1834.2 | 1005.4 | 169.0 | 126.0 | 103.9 | 97.3  | 86.9  | 78.2  | 72.0  | 68.2  |
| 2329.3 | 60°   | 1679.8 | 798.4  | 133.6 | 106.6 | 88.6  | 83.8  | 73.1  | 67.5  | 62.0  | 57.5  |
| 2111.2 | 62.5° | 1445.4 | 569.9  | 104.9 | 84.5  | 74.1  | 68.6  | 62.3  | 58.2  | 51.6  | 45.4  |
| 1719.0 | 65°   | 1128.0 | 348.6  | 81.0  | 62.0  | 59.5  | 56.8  | 53.0  | 49.2  | 41.2  | 35.0  |
| 1121.4 | 67.5° | 711.5  | 165.1  | 57.8  | 46.7  | 47.1  | 45.7  | 44.0  | 40.9  | 35.0  | 29.4  |
| 502.4  | 70°   | 313.3  | 80.0   | 38.1  | 35.7  | 35.0  | 35.0  | 36.4  | 35.3  | 29.8  | 24.6  |
| 174.5  | 72.5° | 106.6  | 42.9   | 28.4  | 27.0  | 25.3  | 24.9  | 30.5  | 29.4  | 23.9  | 19.0  |
| 86.9   | 75°   | 55.7   | 28.7   | 20.8  | 19.4  | 15.2  | 18.3  | 24.2  | 22.9  | 17.0  | 12.5  |
| 57.5   | 77.5° | 36.4   | 20.4   | 14.2  | 12.5  | 8.7   | 12.1  | 18.0  | 15.9  | 10.0  | 6.2   |
| 37.7   | 80°   | 22.9   | 13.5   | 8.3   | 5.9   | 4.2   | 6.6   | 9.7   | 6.9   | 3.8   | 1.4   |
| 22.2   | 82.5° | 12.1   | 6.9    | 3.1   | 2.1   | 1.7   | 2.1   | 2.4   | 1.7   | 0.7   | 0.0   |
| 11.4   | 85°   | 4.8    | 2.4    | 1.0   | 0.7   | 0.3   | 0.0   | 0.7   | 0.3   | 0.0   | 0.0   |
| 2.1    | 87.5° | 1.7    | 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°  |
|-------|
| 684.8 |
| 639.8 |
| 535.6 |
| 399.2 |
| 269.4 |
| 218.1 |
| 212.6 |
| 209.5 |
| 204.6 |
| 199.8 |
| 196.6 |
| 194.2 |
| 191.8 |
| 189.4 |
| 187.6 |
| 185.6 |
| 179.0 |
| 164.5 |
| 145.4 |
| 125.7 |
| 108.0 |
| 92.4  |
| 79.6  |
| 67.5  |
| 56.4  |
| 44.3  |
| 33.9  |
| 28.7  |
| 23.5  |
| 18.0  |
| 11.4  |
| 5.5   |
| 1.0   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |