

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: P939726

Luminaire Tested: **GLAN-SB2B-950-U-T3-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P939726  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2B-950-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

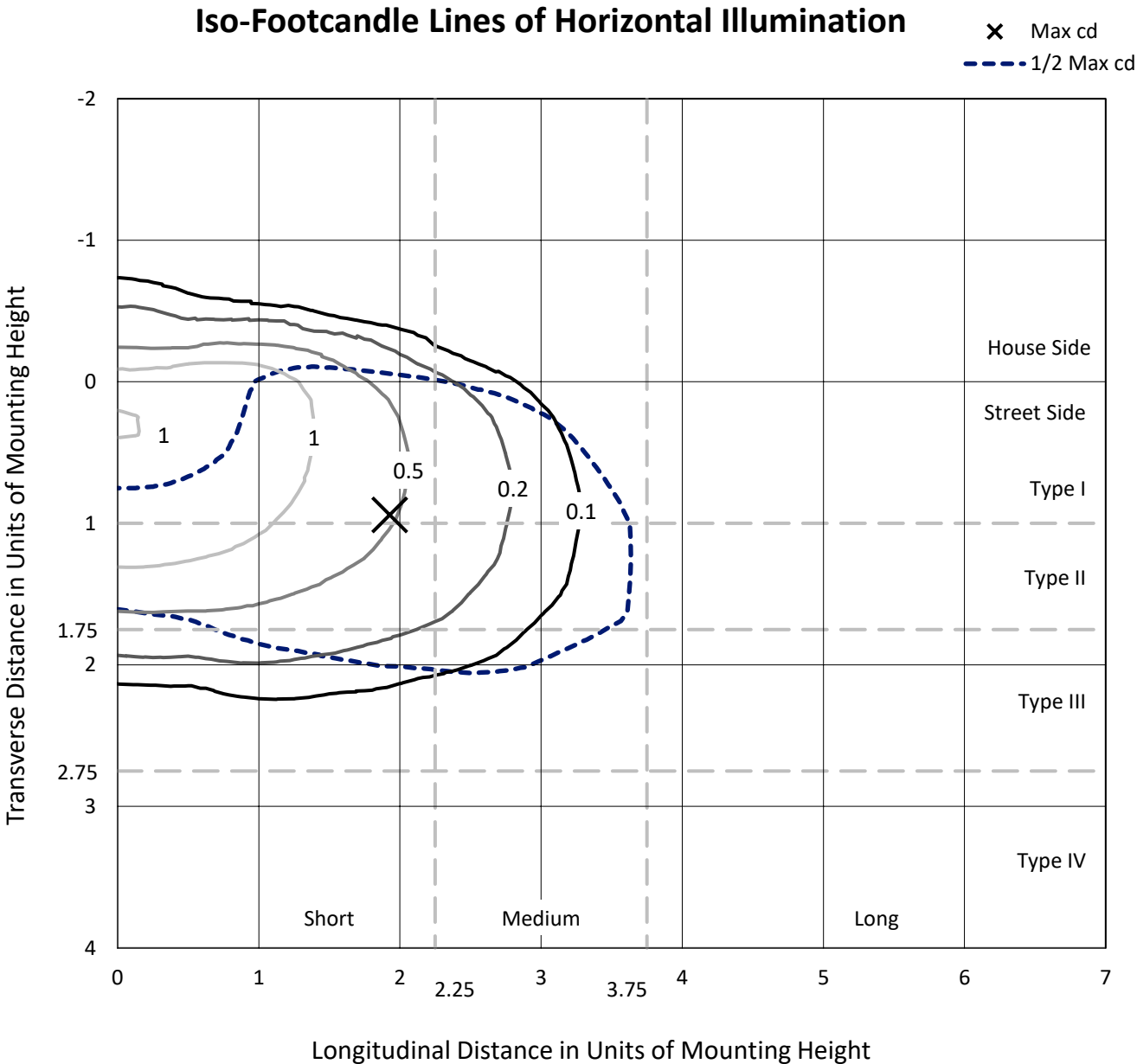
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6144 lumens  
Efficiency: N/A  
Efficacy: 83.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 73.9  
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



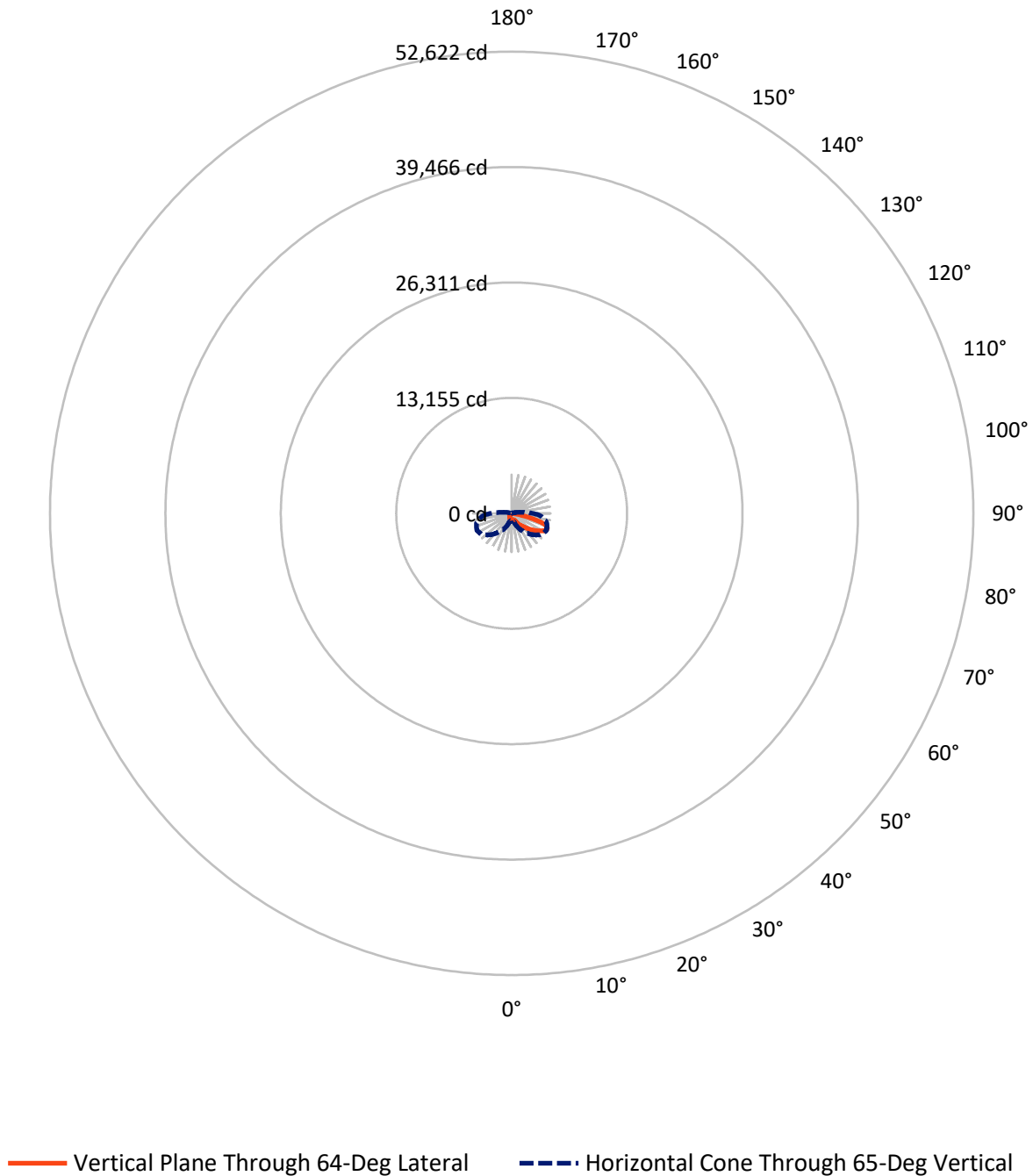
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Based on 25 foot mounting height. Maximum calculated value = 1.8 fc  
Type III - Short - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 821.6    | 0.0    | 821.6  |
|                    | % Fixture | 13.4     | 0.0    | 13.4   |
| <b>Street Side</b> | Lumens    | 5322.4   | 0.0    | 5322.4 |
|                    | % Fixture | 86.6     | 0.0    | 86.6   |
| <b>Total</b>       | Lumens    | 6144.0   | 0.0    | 6144.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 65.9   | 1.1       |
| 10°-20°   | 178.8  | 2.9       |
| 20°-30°   | 338.8  | 5.5       |
| 30°-40°   | 685.7  | 11.2      |
| 40°-50°   | 1168.1 | 19.0      |
| 50°-60°   | 1588.5 | 25.9      |
| 60°-70°   | 1491.6 | 24.3      |
| 70°-80°   | 597.6  | 9.7       |
| 80°-90°   | 29.0   | 0.5       |
| 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°    | 6144.0 | 100.0     |
| 0°-180°   | 6144.0 | 100.0     |

**Coefficient of Utilization**



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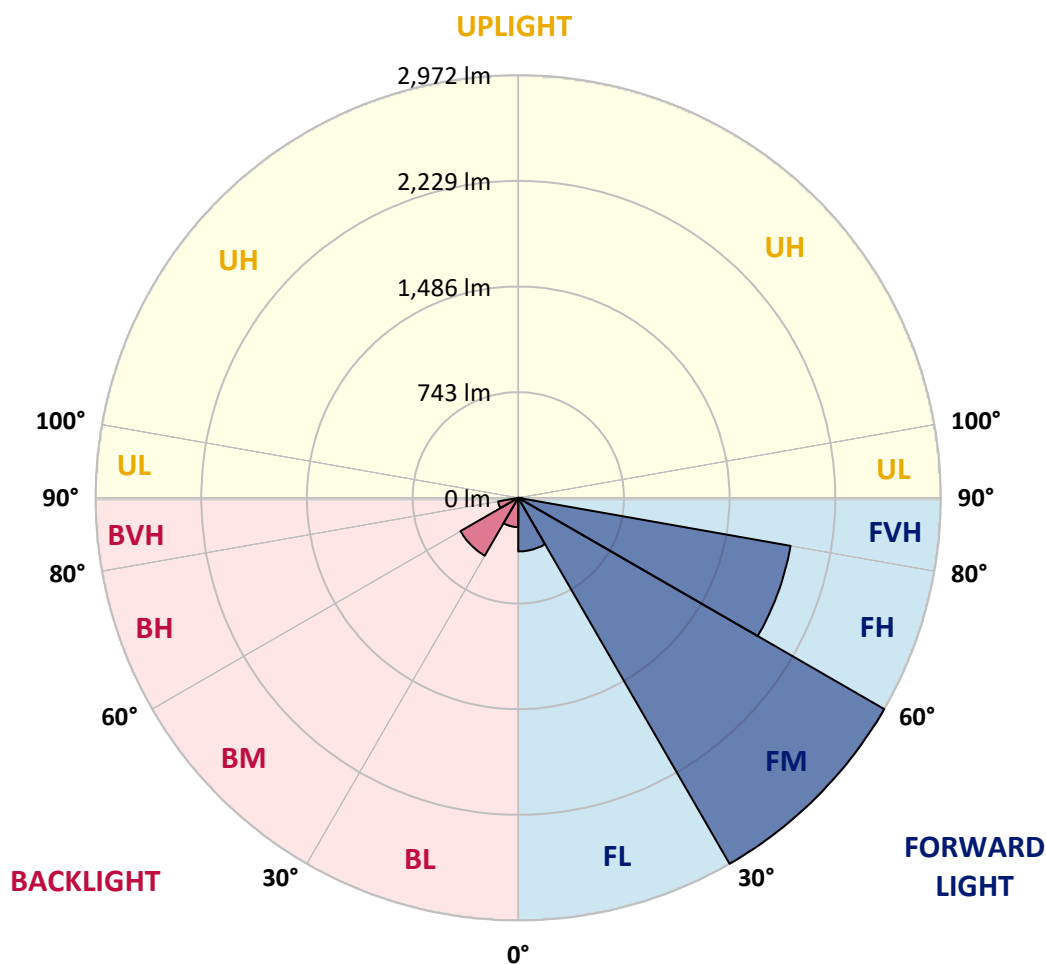
CATALOG NUMBER: GLAN-SB2B-950-U-T3-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 377.3  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 2972.5 | 48.4      |                         |      |         |
| FH   | (60°-80°)   | 1945.0 | 31.7      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 27.5   | 0.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 206.3  | 3.4       | B1/500                  |      |         |
| BM   | (30°-60°)   | 469.7  | 7.6       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 144.2  | 2.3       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 1.4    | 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 III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 64°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 714.6  | 714.6  | 714.6  | 714.6  | 714.6  | 714.6  | 714.6  | 714.6  | 714.6  | 714.6  |
| 2.5°  | 712.1  | 717.1  | 715.8  | 714.6  | 714.2  | 715.0  | 715.4  | 715.0  | 715.0  | 715.0  |
| 5°    | 698.5  | 702.7  | 702.7  | 705.5  | 709.7  | 714.6  | 718.3  | 719.1  | 720.0  | 721.2  |
| 7.5°  | 672.6  | 675.9  | 678.4  | 687.8  | 698.1  | 711.3  | 722.4  | 728.2  | 729.0  | 733.6  |
| 10°   | 654.9  | 659.0  | 663.1  | 673.0  | 687.8  | 707.6  | 726.6  | 740.6  | 742.6  | 753.3  |
| 12.5° | 654.1  | 658.2  | 663.5  | 674.2  | 691.5  | 712.6  | 735.6  | 755.8  | 759.5  | 775.2  |
| 15°   | 662.7  | 667.7  | 672.6  | 685.8  | 704.3  | 729.9  | 754.6  | 779.7  | 783.4  | 805.6  |
| 17.5° | 680.4  | 687.0  | 690.7  | 703.9  | 723.7  | 752.1  | 784.6  | 813.5  | 816.8  | 842.7  |
| 20°   | 715.4  | 723.3  | 724.5  | 735.2  | 754.6  | 785.0  | 823.8  | 859.6  | 863.7  | 893.4  |
| 22.5° | 787.9  | 799.0  | 789.2  | 794.5  | 811.8  | 842.3  | 884.3  | 929.6  | 935.4  | 969.2  |
| 25°   | 915.6  | 931.3  | 905.7  | 896.7  | 904.1  | 935.8  | 988.5  | 1045.8 | 1052.4 | 1079.5 |
| 27.5° | 1166.4 | 1146.3 | 1107.5 | 1069.7 | 1047.4 | 1065.5 | 1124.8 | 1195.7 | 1203.9 | 1230.3 |
| 30°   | 1442.0 | 1424.3 | 1372.0 | 1287.9 | 1235.2 | 1232.3 | 1287.1 | 1366.2 | 1375.7 | 1400.8 |
| 32.5° | 1717.9 | 1701.1 | 1644.2 | 1540.8 | 1449.4 | 1404.1 | 1442.0 | 1529.7 | 1534.7 | 1550.7 |
| 35°   | 1989.4 | 1972.1 | 1915.2 | 1809.4 | 1696.9 | 1594.0 | 1586.6 | 1685.4 | 1687.1 | 1703.9 |
| 37.5° | 2262.5 | 2248.0 | 2187.5 | 2083.7 | 1972.9 | 1830.8 | 1762.0 | 1832.9 | 1834.9 | 1851.4 |
| 40°   | 2457.3 | 2463.5 | 2421.9 | 2341.5 | 2246.4 | 2091.1 | 1958.9 | 1989.8 | 1977.4 | 2005.0 |
| 42.5° | 2624.5 | 2636.9 | 2600.6 | 2560.2 | 2505.1 | 2368.3 | 2202.7 | 2197.4 | 2177.6 | 2192.4 |
| 45°   | 2769.1 | 2779.4 | 2746.8 | 2737.4 | 2736.1 | 2640.1 | 2469.2 | 2437.1 | 2409.5 | 2406.6 |
| 47.5° | 2822.2 | 2842.0 | 2856.0 | 2887.7 | 2949.5 | 2909.1 | 2744.8 | 2694.9 | 2664.0 | 2641.4 |
| 50°   | 2842.4 | 2863.4 | 2911.2 | 3003.4 | 3149.6 | 3166.9 | 3019.1 | 2963.1 | 2925.2 | 2884.0 |
| 52.5° | 2815.2 | 2852.7 | 2916.9 | 3072.2 | 3284.3 | 3373.7 | 3282.3 | 3233.3 | 3190.0 | 3122.9 |
| 55°   | 2655.0 | 2692.5 | 2823.8 | 3071.4 | 3351.5 | 3518.7 | 3531.0 | 3509.2 | 3460.6 | 3354.8 |
| 57.5° | 2317.2 | 2372.8 | 2580.8 | 2966.8 | 3350.2 | 3643.5 | 3774.9 | 3790.5 | 3736.2 | 3584.6 |
| 60°   | 1849.3 | 1924.7 | 2178.4 | 2734.9 | 3246.8 | 3711.0 | 3988.6 | 4066.9 | 4009.2 | 3811.1 |
| 62.5° | 1290.4 | 1377.7 | 1617.9 | 2371.6 | 3010.4 | 3662.4 | 4144.7 | 4289.3 | 4245.7 | 4013.8 |
| 65°   | 787.1  | 815.1  | 1008.7 | 1866.2 | 2608.4 | 3459.0 | 4192.9 | 4409.6 | 4395.2 | 4137.7 |
| 67.5° | 524.3  | 547.8  | 603.4  | 1279.7 | 2024.8 | 3052.4 | 4077.6 | 4388.6 | 4392.7 | 4117.6 |
| 70°   | 315.9  | 336.1  | 372.3  | 744.3  | 1312.2 | 2416.1 | 3720.5 | 4120.9 | 4144.7 | 3847.8 |
| 72.5° | 130.2  | 143.7  | 176.7  | 337.3  | 679.6  | 1533.4 | 2962.6 | 3538.0 | 3593.6 | 3235.3 |
| 75°   | 73.7   | 80.7   | 103.8  | 169.3  | 294.9  | 714.6  | 1794.6 | 2511.6 | 2593.6 | 2229.9 |
| 77.5° | 49.0   | 52.3   | 67.1   | 109.6  | 166.0  | 243.8  | 766.9  | 1308.5 | 1465.1 | 1217.9 |
| 80°   | 33.0   | 35.8   | 46.1   | 73.3   | 107.9  | 104.6  | 244.2  | 484.8  | 596.4  | 418.5  |
| 82.5° | 22.2   | 22.7   | 33.0   | 48.2   | 68.4   | 50.7   | 72.1   | 150.7  | 189.5  | 121.1  |
| 85°   | 12.8   | 12.4   | 24.3   | 28.0   | 30.5   | 21.0   | 21.8   | 45.3   | 59.3   | 51.1   |
| 87.5° | 1.6    | 2.5    | 9.5    | 7.4    | 4.1    | 4.5    | 4.5    | 7.8    | 11.5   | 12.4   |
| 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°  |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 714.6  | 0°    | 714.6  | 714.6  | 714.6 | 714.6 | 714.6 | 714.6 | 714.6 | 714.6 | 714.6 | 714.6 |
| 715.4  | 2.5°  | 715.4  | 715.0  | 713.8 | 712.6 | 709.7 | 708.0 | 708.8 | 708.0 | 707.6 | 708.0 |
| 720.8  | 5°    | 720.8  | 719.6  | 716.3 | 712.1 | 706.4 | 699.4 | 694.8 | 688.3 | 682.1 | 678.4 |
| 735.2  | 7.5°  | 735.2  | 734.0  | 729.4 | 717.9 | 699.4 | 670.1 | 643.4 | 619.9 | 602.2 | 591.9 |
| 758.3  | 10°   | 758.3  | 756.2  | 749.2 | 723.7 | 675.1 | 611.2 | 558.1 | 514.0 | 485.2 | 471.6 |
| 785.5  | 12.5° | 785.5  | 783.0  | 770.6 | 718.3 | 628.9 | 529.3 | 456.0 | 406.9 | 380.2 | 368.2 |
| 816.8  | 15°   | 817.6  | 814.3  | 790.0 | 692.8 | 561.8 | 438.7 | 371.5 | 334.9 | 317.6 | 306.9 |
| 856.7  | 17.5° | 857.5  | 851.8  | 804.4 | 654.5 | 488.9 | 369.5 | 319.6 | 292.0 | 276.8 | 266.5 |
| 909.0  | 20°   | 909.4  | 900.0  | 815.9 | 608.8 | 421.8 | 325.8 | 284.6 | 261.5 | 250.0 | 240.9 |
| 983.2  | 22.5° | 981.9  | 968.3  | 829.9 | 559.3 | 374.4 | 295.7 | 258.7 | 241.8 | 232.3 | 222.0 |
| 1086.5 | 25°   | 1071.7 | 1055.6 | 847.2 | 513.6 | 341.9 | 269.8 | 239.7 | 225.7 | 214.6 | 202.6 |
| 1222.0 | 27.5° | 1197.3 | 1168.5 | 867.8 | 476.1 | 313.9 | 247.5 | 222.4 | 206.8 | 194.0 | 184.1 |
| 1375.7 | 30°   | 1337.4 | 1290.0 | 886.0 | 453.5 | 288.3 | 226.9 | 199.8 | 184.1 | 172.2 | 165.2 |
| 1513.7 | 32.5° | 1470.0 | 1405.7 | 897.9 | 443.6 | 265.3 | 203.5 | 175.0 | 158.2 | 149.1 | 147.0 |
| 1648.8 | 35°   | 1595.2 | 1510.4 | 896.7 | 434.1 | 244.7 | 180.0 | 150.7 | 133.4 | 126.4 | 127.7 |
| 1794.1 | 37.5° | 1739.4 | 1622.0 | 888.0 | 419.3 | 227.8 | 158.6 | 129.7 | 114.5 | 108.3 | 108.7 |
| 1970.8 | 40°   | 1907.0 | 1750.9 | 882.7 | 391.3 | 209.2 | 138.8 | 112.4 | 100.1 | 95.6  | 93.9  |
| 2157.0 | 42.5° | 2085.8 | 1875.7 | 883.5 | 359.6 | 186.2 | 121.1 | 100.5 | 90.2  | 86.1  | 84.8  |
| 2364.2 | 45°   | 2265.3 | 1994.7 | 884.7 | 326.6 | 161.9 | 107.5 | 91.8  | 83.2  | 80.7  | 79.1  |
| 2574.2 | 47.5° | 2434.2 | 2096.1 | 861.7 | 291.2 | 138.0 | 97.2  | 84.8  | 79.1  | 77.0  | 75.0  |
| 2785.1 | 50°   | 2591.5 | 2163.6 | 806.0 | 250.0 | 119.0 | 89.0  | 79.5  | 75.4  | 73.3  | 71.3  |
| 2976.2 | 52.5° | 2713.9 | 2174.3 | 714.2 | 207.6 | 105.9 | 82.8  | 76.2  | 72.5  | 70.0  | 68.0  |
| 3130.7 | 55°   | 2768.2 | 2107.2 | 583.6 | 168.0 | 95.6  | 77.4  | 72.9  | 69.2  | 66.3  | 64.3  |
| 3252.2 | 57.5° | 2754.2 | 1965.9 | 455.1 | 135.1 | 85.7  | 72.1  | 68.8  | 66.3  | 63.0  | 59.7  |
| 3350.6 | 60°   | 2685.5 | 1776.8 | 343.1 | 112.4 | 76.6  | 66.3  | 64.3  | 62.2  | 57.7  | 52.7  |
| 3388.5 | 62.5° | 2566.4 | 1539.2 | 244.7 | 93.1  | 66.7  | 59.7  | 58.9  | 57.3  | 50.7  | 41.6  |
| 3332.5 | 65°   | 2384.4 | 1250.5 | 164.8 | 77.4  | 57.3  | 52.3  | 52.7  | 49.8  | 41.2  | 30.9  |
| 3127.4 | 67.5° | 2118.3 | 914.4  | 105.4 | 63.4  | 47.8  | 43.7  | 44.1  | 42.4  | 35.0  | 26.4  |
| 2738.6 | 70°   | 1779.3 | 605.5  | 68.8  | 48.2  | 38.3  | 33.8  | 36.2  | 36.7  | 29.7  | 21.4  |
| 2101.8 | 72.5° | 1304.4 | 357.5  | 48.2  | 35.8  | 28.0  | 23.5  | 29.7  | 30.5  | 23.9  | 16.1  |
| 1264.5 | 75°   | 743.4  | 169.7  | 36.2  | 25.9  | 17.3  | 16.5  | 23.1  | 23.1  | 16.5  | 10.7  |
| 547.4  | 77.5° | 312.2  | 70.8   | 25.5  | 16.9  | 9.9   | 9.5   | 15.7  | 14.4  | 8.2   | 4.9   |
| 133.4  | 80°   | 90.2   | 31.7   | 13.6  | 8.2   | 4.1   | 3.7   | 6.2   | 4.5   | 2.1   | 0.8   |
| 50.7   | 82.5° | 35.4   | 14.0   | 5.4   | 3.3   | 1.6   | 1.6   | 0.8   | 0.0   | 0.0   | 0.0   |
| 28.8   | 85°   | 21.0   | 5.8    | 2.5   | 1.2   | 0.4   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 6.2    | 87.5° | 5.4    | 1.2    | 0.8   | 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°  |
|-------|
| 714.6 |
| 709.7 |
| 679.2 |
| 592.3 |
| 470.4 |
| 367.0 |
| 307.3 |
| 265.7 |
| 239.3 |
| 220.4 |
| 201.4 |
| 182.1 |
| 163.9 |
| 148.3 |
| 127.7 |
| 110.4 |
| 93.5  |
| 84.4  |
| 79.1  |
| 75.0  |
| 71.3  |
| 67.5  |
| 63.8  |
| 59.3  |
| 51.9  |
| 40.8  |
| 30.1  |
| 25.1  |
| 20.6  |
| 15.2  |
| 9.9   |
| 4.9   |
| 0.8   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |