

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: P941769

Luminaire Tested: **GLAN-SB5B-950-U-T4FT**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P941769  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5B-950-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19558 lumens  
Efficiency: N/A  
Efficacy: 107.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G3

Input Watts (W): 182.7  
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

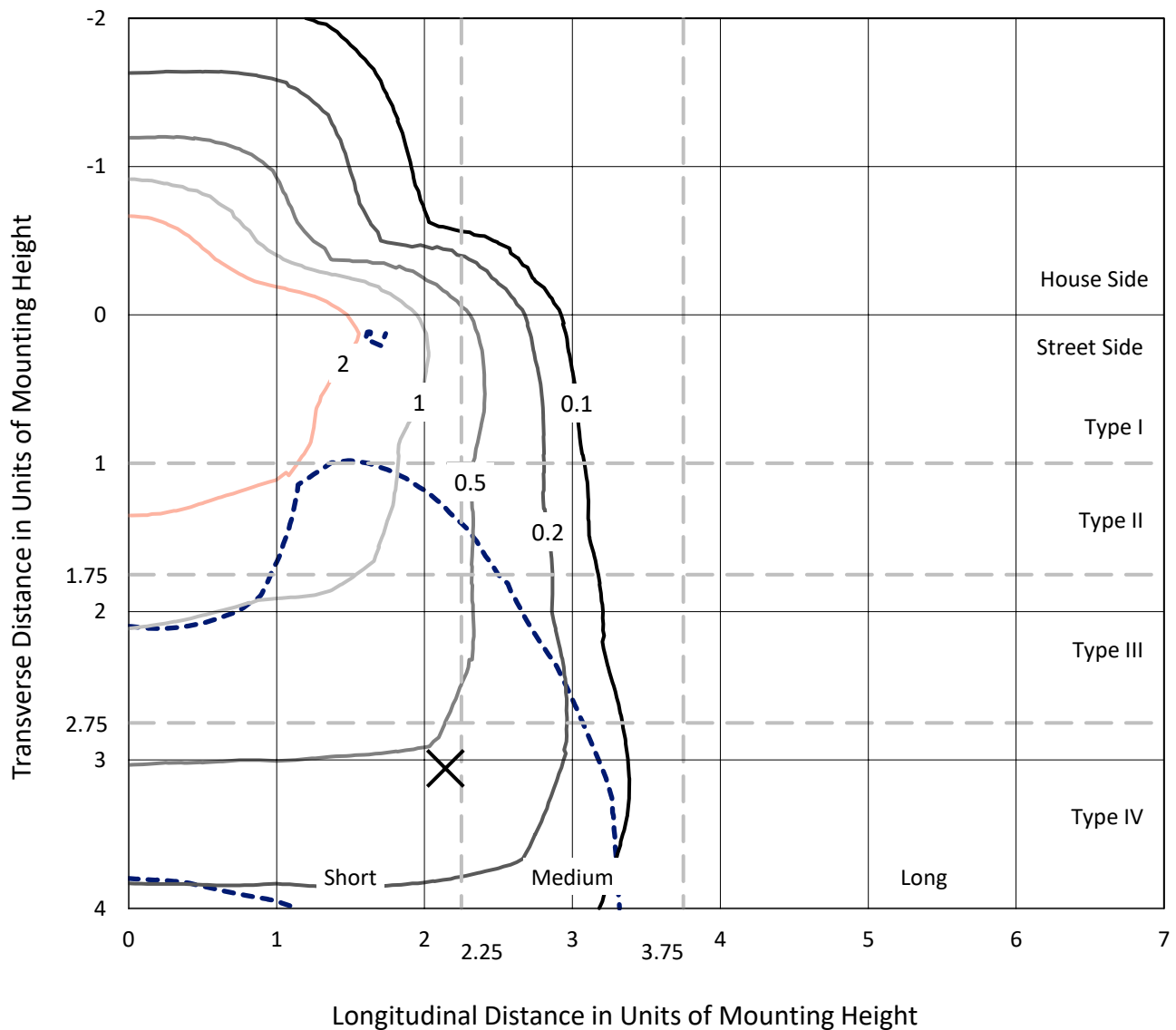


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## Iso-Footcandle Lines of Horizontal Illumination

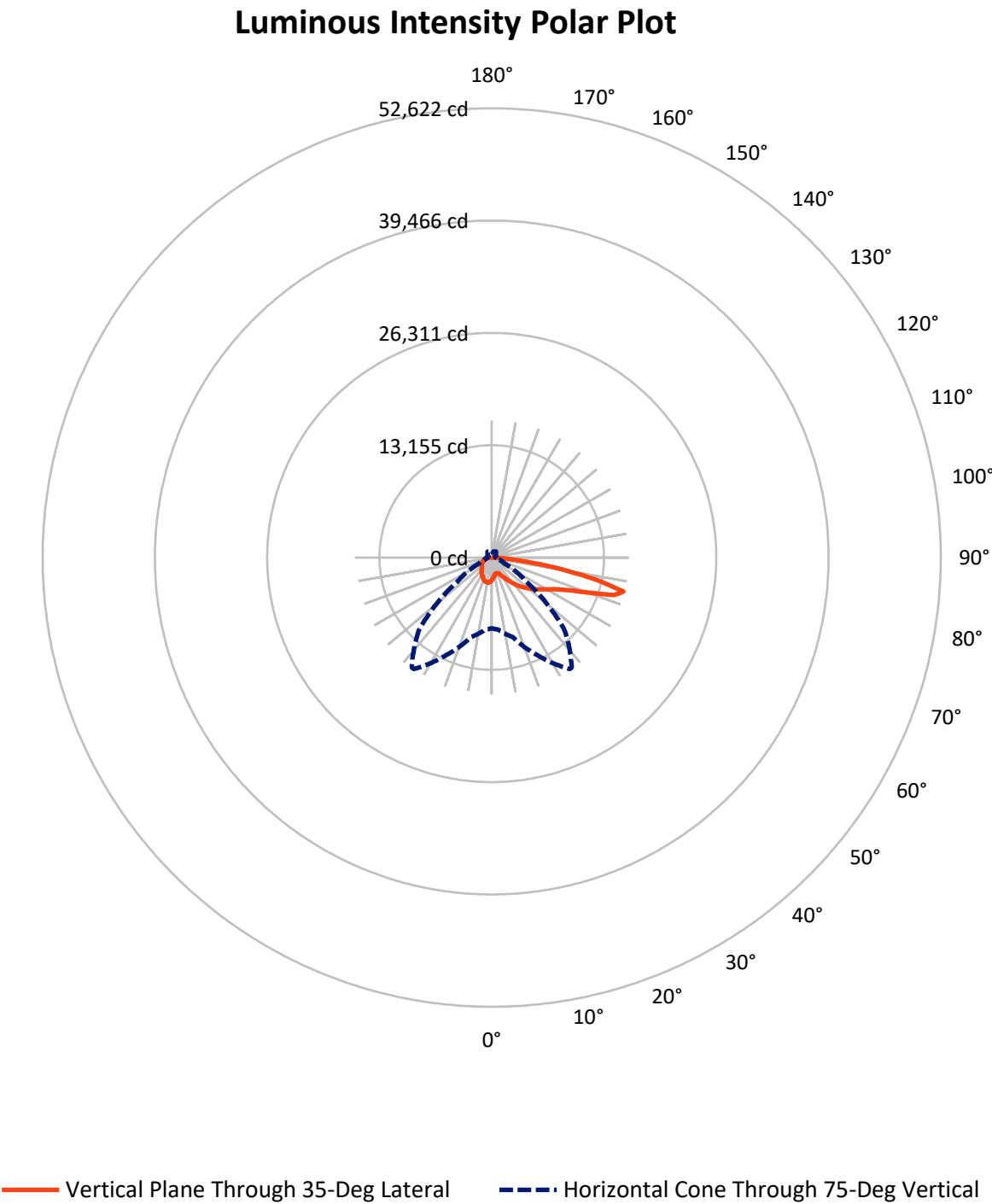
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc

Type IV - Short - N/A

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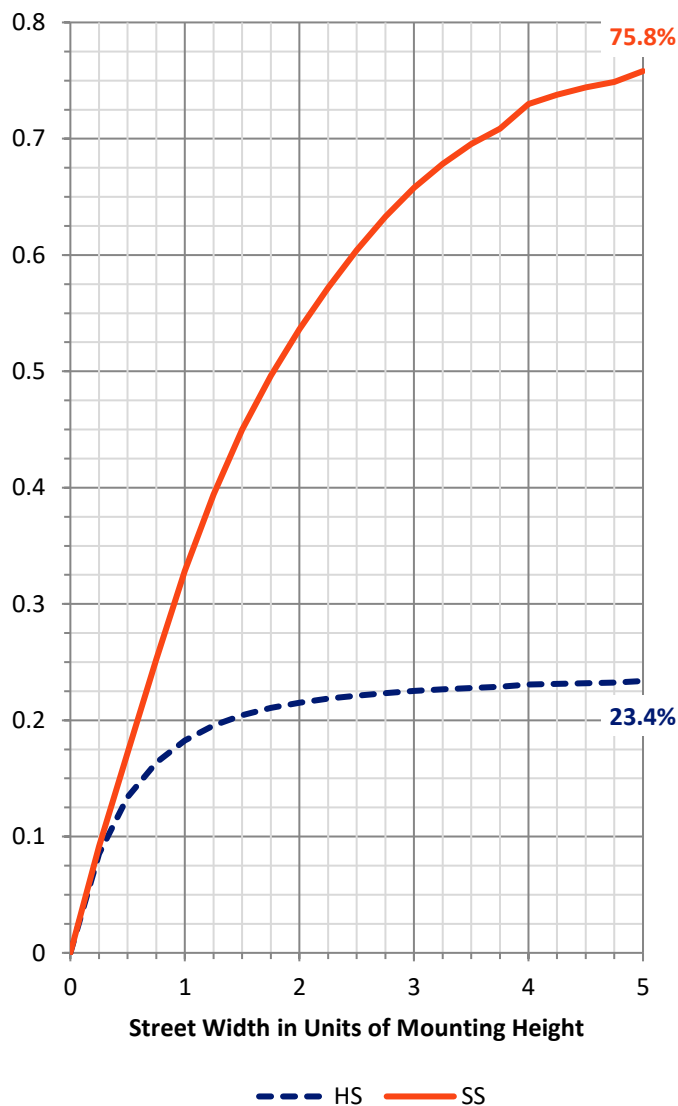
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4654.3   | 0.0    | 4654.3  |
|                    | % Fixture | 23.8     | 0.0    | 23.8    |
| <b>Street Side</b> | Lumens    | 14903.7  | 0.0    | 14903.7 |
|                    | % Fixture | 76.2     | 0.0    | 76.2    |
| <b>Total</b>       | Lumens    | 19558.0  | 0.0    | 19558.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 246.8   | 1.3       |
| 10°-20°   | 711.8   | 3.6       |
| 20°-30°   | 1195.2  | 6.1       |
| 30°-40°   | 1857.6  | 9.5       |
| 40°-50°   | 2757.1  | 14.1      |
| 50°-60°   | 3806.3  | 19.5      |
| 60°-70°   | 4618.0  | 23.6      |
| 70°-80°   | 3816.4  | 19.5      |
| 80°-90°   | 548.9   | 2.8       |
| 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°    | 19558.0 | 100.0     |
| 0°-180°   | 19558.0 | 100.0     |

**Coefficient of Utilization**



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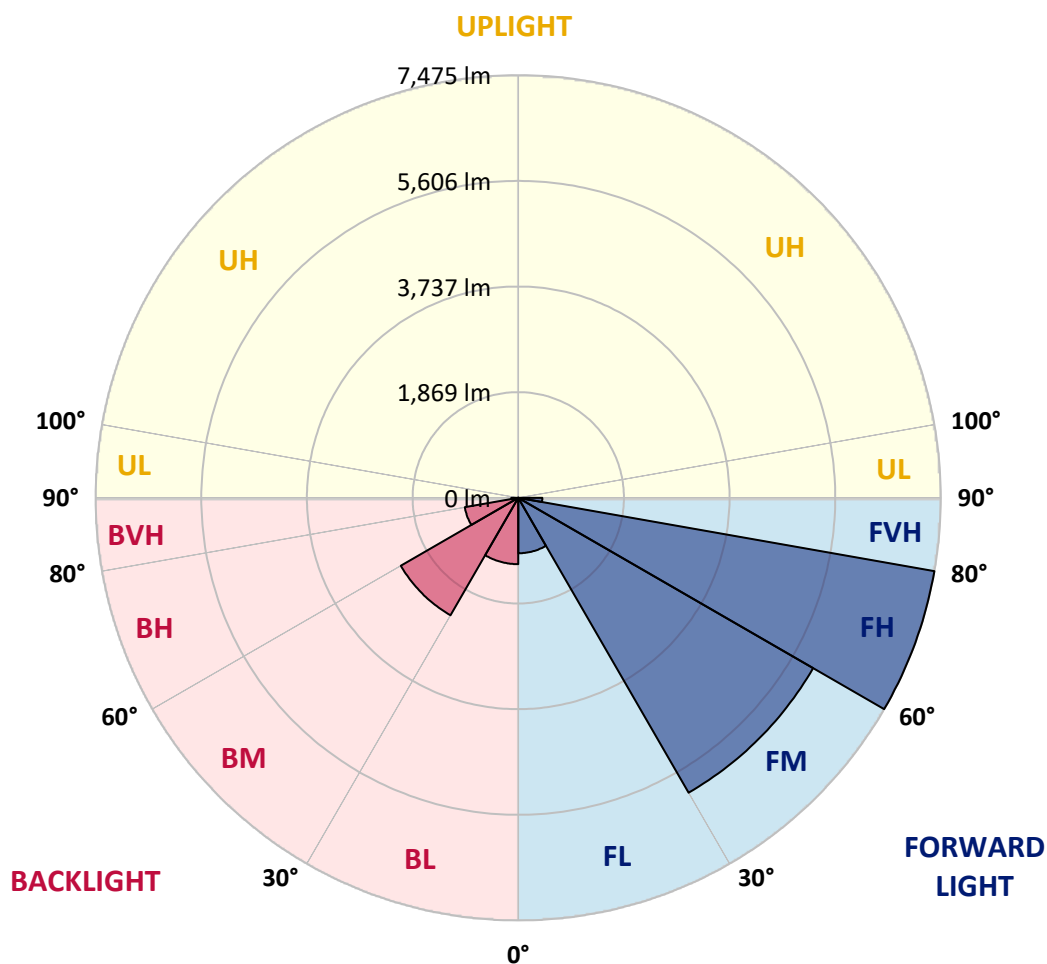
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 980.8  | 5.0       |                         |      |         |
| FM   | (30°-60°)   | 6022.8 | 30.8      |                         |      |         |
| FH   | (60°-80°)   | 7474.8 | 38.2      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 425.3  | 2.2       |                         |      | G3/500  |
| BL   | (0°-30°)    | 1173.0 | 6.0       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2398.2 | 12.3      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 959.6  | 4.9       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 123.6  | 0.6       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 36°     | 45°     | 55°    | 65°    | 75°    |
|-------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|
| 0°    | 2606.2  | 2606.2  | 2606.2  | 2606.2  | 2606.2  | 2606.2  | 2606.2  | 2606.2 | 2606.2 | 2606.2 |
| 2.5°  | 2403.2  | 2418.0  | 2424.4  | 2421.2  | 2437.1  | 2435.0  | 2457.2  | 2484.6 | 2522.7 | 2559.7 |
| 5°    | 2218.2  | 2234.1  | 2247.8  | 2260.5  | 2291.2  | 2300.7  | 2335.6  | 2388.4 | 2458.2 | 2529.1 |
| 7.5°  | 2045.9  | 2059.6  | 2080.8  | 2104.0  | 2155.8  | 2165.3  | 2223.5  | 2306.0 | 2403.2 | 2506.8 |
| 10°   | 1905.2  | 1919.0  | 1941.2  | 1967.6  | 2032.1  | 2043.8  | 2117.8  | 2227.7 | 2354.6 | 2485.7 |
| 12.5° | 1845.0  | 1849.2  | 1861.9  | 1888.3  | 1944.4  | 1951.8  | 2033.2  | 2159.0 | 2307.0 | 2469.8 |
| 15°   | 1841.8  | 1850.3  | 1851.3  | 1865.1  | 1911.6  | 1914.8  | 1989.8  | 2114.6 | 2277.4 | 2466.7 |
| 17.5° | 1873.5  | 1879.9  | 1870.4  | 1878.8  | 1917.9  | 1923.2  | 1982.4  | 2093.4 | 2267.9 | 2480.4 |
| 20°   | 1958.1  | 1963.4  | 1934.9  | 1923.2  | 1951.8  | 1956.0  | 2014.1  | 2107.2 | 2277.4 | 2509.0 |
| 22.5° | 2137.9  | 2141.0  | 2071.2  | 2023.7  | 2025.8  | 2027.9  | 2078.6  | 2163.2 | 2314.4 | 2560.8 |
| 25°   | 2418.0  | 2415.9  | 2304.9  | 2212.9  | 2160.1  | 2148.4  | 2182.3  | 2254.2 | 2376.8 | 2629.5 |
| 27.5° | 2745.8  | 2729.9  | 2618.9  | 2481.5  | 2366.2  | 2349.3  | 2341.9  | 2372.6 | 2465.6 | 2720.4 |
| 30°   | 3115.9  | 3101.1  | 2981.6  | 2801.8  | 2642.2  | 2614.7  | 2544.9  | 2529.1 | 2597.8 | 2844.1 |
| 32.5° | 3521.9  | 3512.3  | 3369.6  | 3151.8  | 2938.2  | 2906.5  | 2789.1  | 2746.9 | 2800.8 | 3031.3 |
| 35°   | 3862.3  | 3853.8  | 3735.4  | 3511.3  | 3250.1  | 3211.0  | 3091.5  | 3044.0 | 3071.4 | 3271.3 |
| 37.5° | 4170.0  | 4165.7  | 4064.2  | 3887.7  | 3618.1  | 3570.5  | 3436.2  | 3420.4 | 3415.1 | 3587.4 |
| 40°   | 4455.4  | 4444.9  | 4339.1  | 4246.1  | 4046.3  | 4002.9  | 3884.5  | 3870.8 | 3830.6 | 3976.5 |
| 42.5° | 4771.6  | 4744.1  | 4590.8  | 4547.4  | 4493.5  | 4457.6  | 4386.7  | 4388.8 | 4300.0 | 4415.3 |
| 45°   | 5029.6  | 5013.7  | 4856.2  | 4830.8  | 4888.9  | 4874.1  | 4935.5  | 4951.3 | 4779.0 | 4875.2 |
| 47.5° | 5306.6  | 5291.8  | 5158.5  | 5140.6  | 5298.1  | 5302.3  | 5519.1  | 5524.4 | 5246.3 | 5353.1 |
| 50°   | 5648.1  | 5626.9  | 5494.8  | 5517.0  | 5693.5  | 5709.4  | 6105.9  | 6069.9 | 5676.6 | 5838.4 |
| 52.5° | 5873.3  | 5886.0  | 5857.4  | 5893.4  | 6134.4  | 6149.2  | 6683.2  | 6591.2 | 6102.7 | 6317.3 |
| 55°   | 6039.3  | 6064.7  | 6153.5  | 6235.9  | 6599.6  | 6614.4  | 7227.7  | 7087.1 | 6455.9 | 6761.4 |
| 57.5° | 6252.9  | 6216.9  | 6382.9  | 6543.6  | 7041.6  | 7080.7  | 7757.4  | 7565.0 | 6768.8 | 7144.2 |
| 60°   | 6559.5  | 6534.1  | 6663.1  | 6901.0  | 7536.4  | 7598.8  | 8317.8  | 7995.3 | 6998.2 | 7447.6 |
| 62.5° | 7181.2  | 7117.7  | 7137.8  | 7348.2  | 8160.2  | 8242.7  | 8950.0  | 8370.6 | 7112.4 | 7566.0 |
| 65°   | 8110.5  | 8001.6  | 7900.1  | 8046.0  | 9038.8  | 9120.2  | 9663.7  | 8665.6 | 7070.1 | 7336.6 |
| 67.5° | 9280.9  | 9173.1  | 9048.3  | 9185.8  | 10333.0 | 10397.5 | 10544.4 | 8831.6 | 6737.1 | 6452.7 |
| 70°   | 10246.3 | 10206.1 | 10355.2 | 10920.8 | 12400.0 | 12402.1 | 11673.6 | 8694.1 | 5824.6 | 4574.9 |
| 72.5° | 10118.3 | 10094.0 | 10879.6 | 12628.3 | 15005.2 | 14949.1 | 12742.5 | 7653.8 | 3923.6 | 2063.8 |
| 75°   | 8300.8  | 8458.4  | 9675.3  | 12597.7 | 15940.9 | 15933.5 | 12088.1 | 4865.7 | 1623.0 | 855.4  |
| 77.5° | 4451.2  | 4700.7  | 6281.4  | 9301.0  | 12444.4 | 12631.5 | 8498.5  | 1702.2 | 696.8  | 547.7  |
| 80°   | 1451.7  | 1669.5  | 2503.7  | 4735.6  | 8086.2  | 8051.3  | 3642.4  | 668.2  | 476.8  | 388.0  |
| 82.5° | 616.4   | 641.8   | 1118.6  | 2236.2  | 4149.9  | 4085.4  | 1159.9  | 383.8  | 335.2  | 265.4  |
| 85°   | 241.1   | 269.6   | 493.8   | 1034.0  | 1797.4  | 1758.3  | 418.7   | 190.3  | 214.6  | 173.4  |
| 87.5° | 79.3    | 96.2    | 176.6   | 354.2   | 559.3   | 539.2   | 102.6   | 65.6   | 93.0   | 79.3   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2606.2 | 0°    | 2606.2 | 2606.2 | 2606.2 | 2606.2 | 2606.2 | 2606.2 | 2606.2 | 2606.2 | 2606.2 | 2606.2 |
| 2613.6 | 2.5°  | 2628.4 | 2645.4 | 2665.4 | 2695.0 | 2720.4 | 2741.6 | 2763.8 | 2777.5 | 2782.8 | 2798.7 |
| 2617.9 | 5°    | 2647.5 | 2684.5 | 2734.2 | 2782.8 | 2830.4 | 2858.9 | 2884.3 | 2897.0 | 2908.6 | 2917.1 |
| 2629.5 | 7.5°  | 2679.2 | 2726.8 | 2805.0 | 2868.4 | 2908.6 | 2931.9 | 2948.8 | 2944.6 | 2948.8 | 2950.9 |
| 2642.2 | 10°   | 2706.7 | 2773.3 | 2866.3 | 2926.6 | 2957.3 | 2958.3 | 2954.1 | 2939.3 | 2931.9 | 2932.9 |
| 2661.2 | 12.5° | 2739.5 | 2813.5 | 2913.9 | 2964.7 | 2973.1 | 2949.9 | 2931.9 | 2906.5 | 2897.0 | 2892.8 |
| 2689.8 | 15°   | 2783.9 | 2868.4 | 2965.7 | 2984.7 | 2963.6 | 2934.0 | 2903.3 | 2862.1 | 2841.0 | 2824.0 |
| 2738.4 | 17.5° | 2837.8 | 2930.8 | 3005.9 | 2992.1 | 2946.7 | 2898.0 | 2848.4 | 2786.0 | 2742.6 | 2724.7 |
| 2805.0 | 20°   | 2912.9 | 2996.4 | 3036.6 | 2976.3 | 2907.6 | 2833.6 | 2749.0 | 2672.8 | 2632.7 | 2614.7 |
| 2889.6 | 22.5° | 3003.8 | 3084.1 | 3066.2 | 2948.8 | 2851.5 | 2733.1 | 2627.4 | 2571.3 | 2551.3 | 2538.6 |
| 2998.5 | 25°   | 3112.7 | 3181.4 | 3087.3 | 2908.6 | 2759.5 | 2599.9 | 2518.5 | 2500.5 | 2491.0 | 2481.5 |
| 3131.7 | 27.5° | 3254.4 | 3291.4 | 3103.2 | 2849.4 | 2615.8 | 2458.2 | 2428.6 | 2431.8 | 2428.6 | 2412.8 |
| 3316.7 | 30°   | 3441.5 | 3434.1 | 3118.0 | 2753.2 | 2450.8 | 2330.3 | 2332.4 | 2346.1 | 2348.3 | 2337.7 |
| 3574.7 | 32.5° | 3687.9 | 3612.8 | 3125.4 | 2628.4 | 2293.3 | 2218.2 | 2220.3 | 2235.1 | 2245.7 | 2227.7 |
| 3912.0 | 35°   | 3986.0 | 3821.1 | 3113.7 | 2472.0 | 2171.7 | 2111.4 | 2095.6 | 2099.8 | 2103.0 | 2086.0 |
| 4321.2 | 37.5° | 4333.9 | 4054.7 | 3061.9 | 2298.6 | 2071.2 | 2006.7 | 1972.9 | 1944.4 | 1927.5 | 1911.6 |
| 4784.3 | 40°   | 4715.5 | 4309.5 | 2966.8 | 2129.4 | 1959.2 | 1895.7 | 1845.0 | 1791.1 | 1734.0 | 1712.8 |
| 5274.9 | 42.5° | 5115.2 | 4571.7 | 2851.5 | 1967.6 | 1830.2 | 1778.4 | 1724.5 | 1646.2 | 1560.6 | 1517.2 |
| 5784.5 | 45°   | 5529.7 | 4840.3 | 2738.4 | 1808.0 | 1698.0 | 1675.8 | 1613.4 | 1519.3 | 1426.3 | 1371.3 |
| 6295.1 | 47.5° | 5935.7 | 5094.1 | 2572.4 | 1647.3 | 1574.3 | 1598.6 | 1550.0 | 1463.3 | 1359.7 | 1273.0 |
| 6801.6 | 50°   | 6323.7 | 5331.9 | 2300.7 | 1484.4 | 1473.9 | 1575.4 | 1528.9 | 1404.1 | 1285.7 | 1174.7 |
| 7298.5 | 52.5° | 6708.5 | 5524.4 | 1952.8 | 1336.4 | 1419.9 | 1569.0 | 1501.4 | 1363.9 | 1219.1 | 1102.8 |
| 7765.8 | 55°   | 7035.3 | 5623.8 | 1617.7 | 1209.5 | 1341.7 | 1515.1 | 1468.6 | 1316.3 | 1125.0 | 1001.3 |
| 8086.2 | 57.5° | 7221.3 | 5543.4 | 1338.5 | 1084.8 | 1233.9 | 1426.3 | 1412.5 | 1214.8 | 1012.9 | 917.7  |
| 8148.6 | 60°   | 7141.0 | 5217.8 | 1110.2 | 975.9  | 1131.3 | 1330.1 | 1315.3 | 1114.4 | 927.2  | 837.4  |
| 7814.5 | 62.5° | 6698.0 | 4597.1 | 929.4  | 880.7  | 1038.3 | 1231.8 | 1218.0 | 1037.2 | 861.7  | 775.0  |
| 6927.4 | 65°   | 5805.6 | 3739.7 | 788.7  | 801.4  | 944.2  | 1113.3 | 1133.4 | 972.7  | 809.9  | 725.3  |
| 5359.4 | 67.5° | 4428.0 | 2708.8 | 678.8  | 732.7  | 852.2  | 997.0  | 1055.2 | 926.2  | 766.5  | 686.2  |
| 3101.1 | 70°   | 2523.8 | 1538.4 | 585.7  | 666.1  | 770.8  | 889.2  | 994.9  | 889.2  | 720.0  | 653.4  |
| 1162.0 | 72.5° | 956.9  | 706.3  | 506.4  | 599.5  | 692.5  | 798.3  | 928.3  | 831.0  | 666.1  | 616.4  |
| 600.5  | 75°   | 510.7  | 430.3  | 426.1  | 521.2  | 602.7  | 709.4  | 844.8  | 773.9  | 625.9  | 651.3  |
| 415.5  | 77.5° | 347.9  | 304.5  | 356.3  | 446.2  | 504.3  | 611.1  | 756.0  | 687.2  | 542.4  | 540.3  |
| 287.6  | 80°   | 241.1  | 215.7  | 289.7  | 359.5  | 390.1  | 513.8  | 659.8  | 590.0  | 441.9  | 412.3  |
| 177.6  | 82.5° | 144.8  | 140.6  | 216.7  | 268.6  | 276.0  | 396.5  | 546.6  | 494.8  | 361.6  | 315.1  |
| 105.7  | 85°   | 79.3   | 83.5   | 138.5  | 157.5  | 160.7  | 277.0  | 428.2  | 382.7  | 278.1  | 233.7  |
| 38.1   | 87.5° | 22.2   | 28.5   | 50.8   | 62.4   | 77.2   | 143.8  | 254.8  | 227.3  | 139.6  | 97.3   |
| 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°   |
|--------|
| 2606.2 |
| 2797.6 |
| 2919.2 |
| 2954.1 |
| 2935.1 |
| 2890.6 |
| 2829.3 |
| 2725.7 |
| 2612.6 |
| 2540.7 |
| 2481.5 |
| 2415.9 |
| 2343.0 |
| 2236.2 |
| 2097.7 |
| 1922.2 |
| 1722.3 |
| 1522.5 |
| 1367.1 |
| 1263.5 |
| 1165.1 |
| 1090.1 |
| 990.7  |
| 905.0  |
| 824.7  |
| 761.3  |
| 711.6  |
| 673.5  |
| 645.0  |
| 607.9  |
| 672.4  |
| 498.0  |
| 394.4  |
| 317.2  |
| 235.8  |
| 97.3   |
| 0.0    |