

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: P952252

Luminaire Tested: **GLAN-SB6A-930-U-SLL-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952252  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6A-930-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14442 lumens  
Efficiency: N/A  
Efficacy: 84.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

Input Watts (W): 170.9  
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

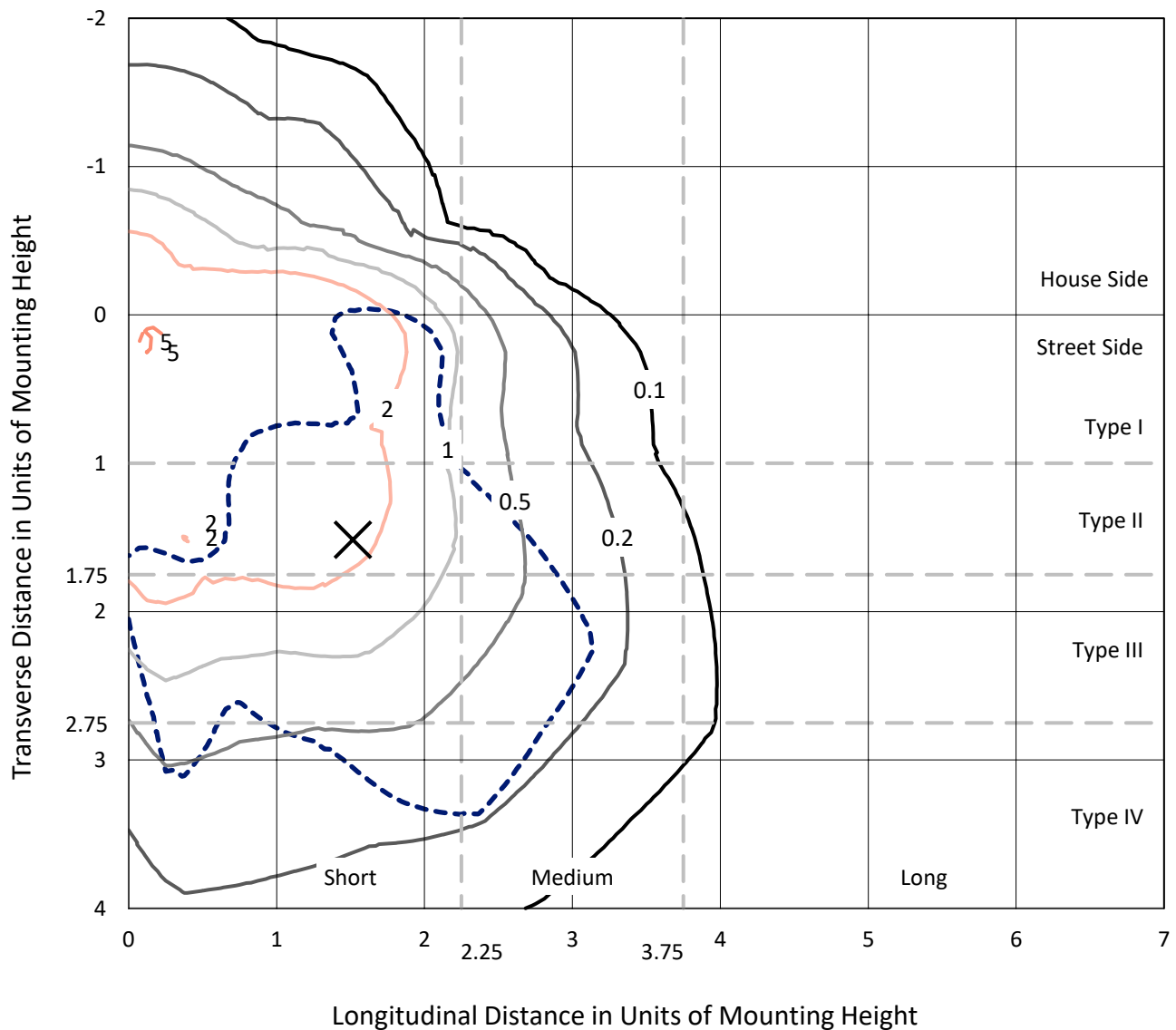


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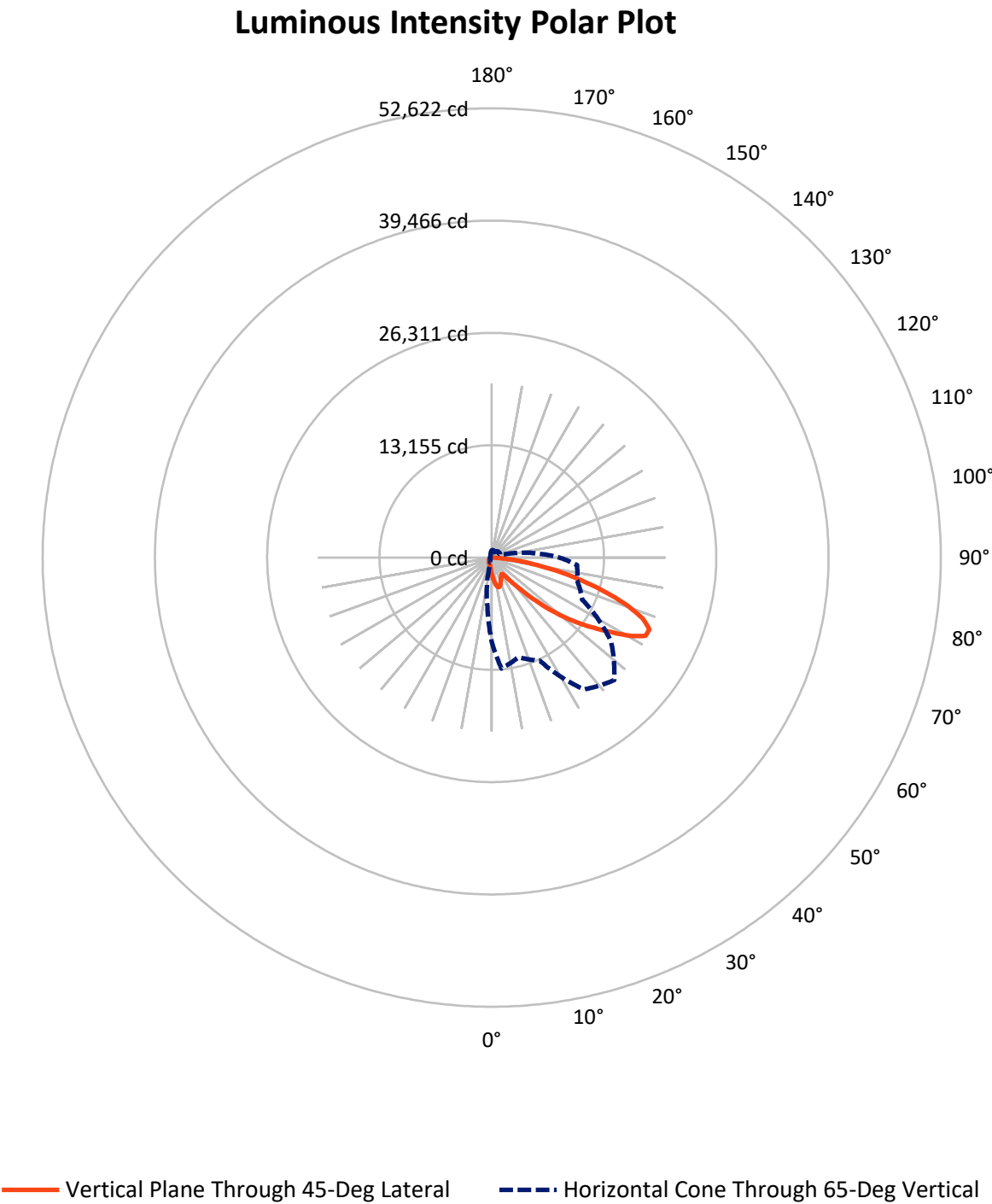
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc  
Type IV - Short - N/A

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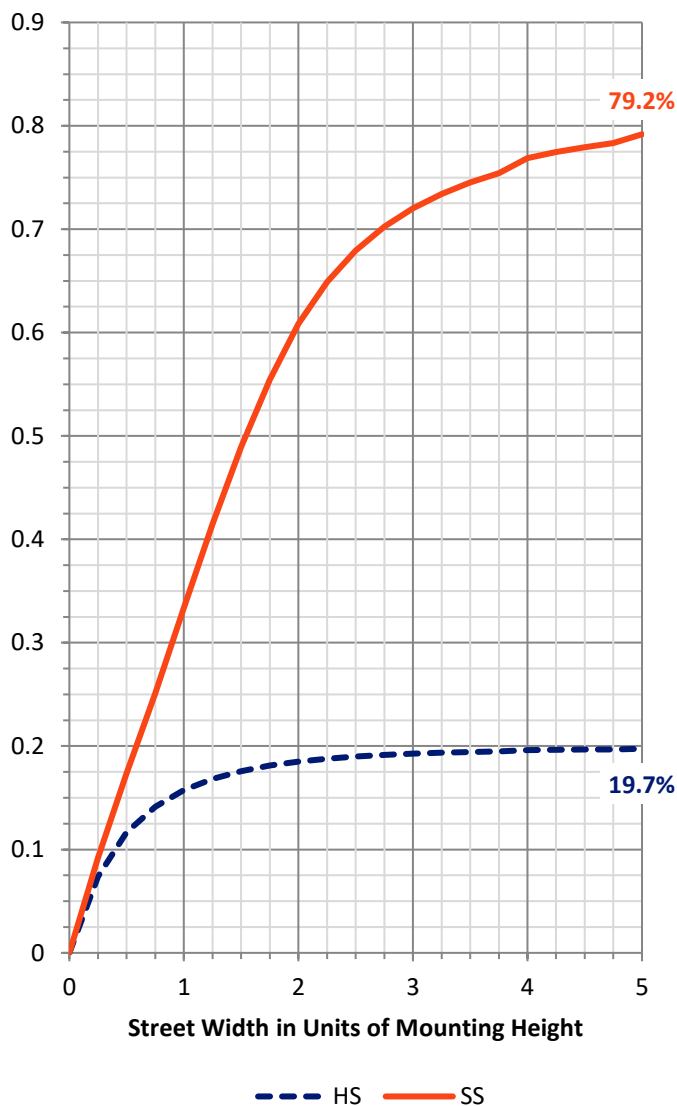
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2870.6   | 0.0    | 2870.6  |
|                    | % Fixture | 19.9     | 0.0    | 19.9    |
| <b>Street Side</b> | Lumens    | 11571.4  | 0.0    | 11571.4 |
|                    | % Fixture | 80.1     | 0.0    | 80.1    |
| <b>Total</b>       | Lumens    | 14442.0  | 0.0    | 14442.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 196.9   | 1.4       |
| 10°-20°   | 590.2   | 4.1       |
| 20°-30°   | 869.5   | 6.0       |
| 30°-40°   | 1117.0  | 7.7       |
| 40°-50°   | 1806.6  | 12.5      |
| 50°-60°   | 3168.0  | 21.9      |
| 60°-70°   | 3964.1  | 27.4      |
| 70°-80°   | 2316.4  | 16.0      |
| 80°-90°   | 413.3   | 2.9       |
| 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°    | 14442.0 | 100.0     |
| 0°-180°   | 14442.0 | 100.0     |

**Coefficient of Utilization**



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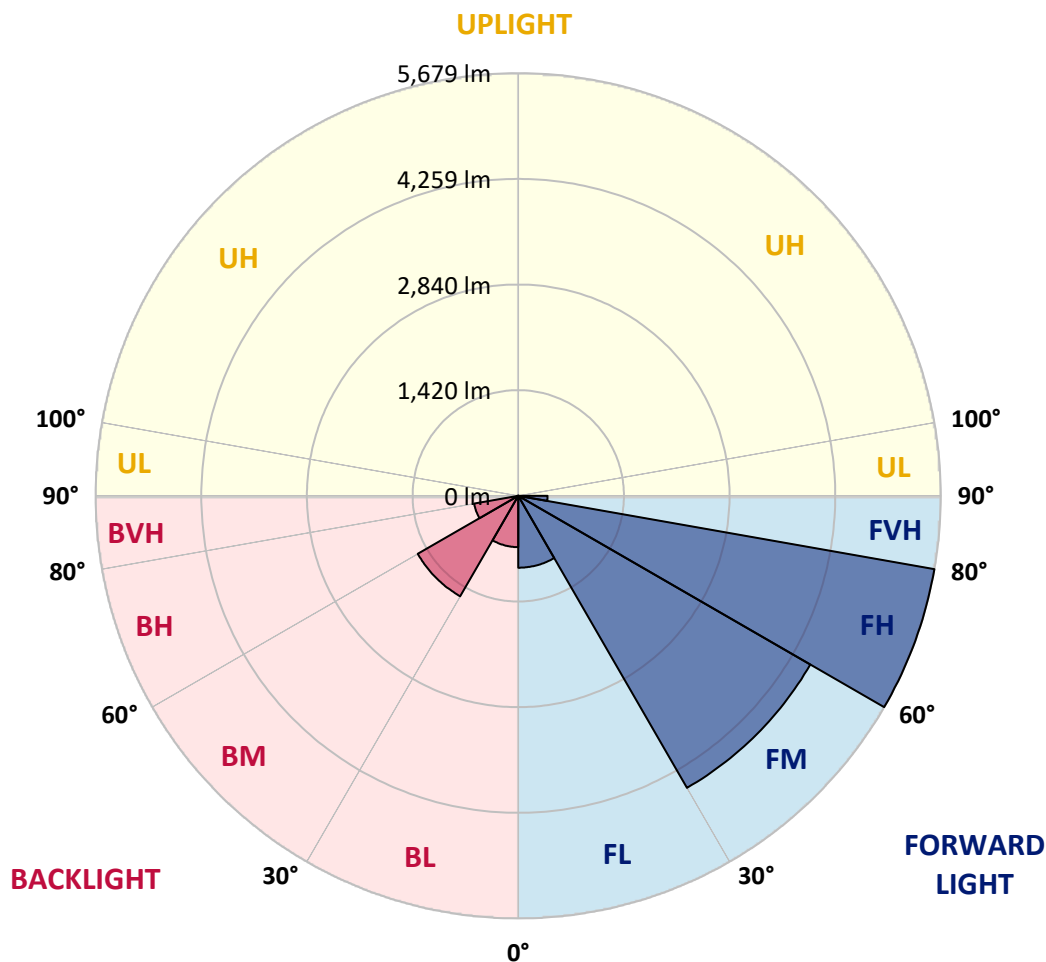
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 966.3  | 6.7       |                         |      |         |
| FM   | (30°-60°)   | 4532.1 | 31.4      |                         |      |         |
| FH   | (60°-80°)   | 5679.0 | 39.3      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 393.9  | 2.7       |                         |      | G3/500  |
| BL   | (0°-30°)    | 690.2  | 4.8       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1559.6 | 10.8      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 601.4  | 4.2       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 19.4   | 0.1       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 1999.8  | 1999.8  | 1999.8  | 1999.8  | 1999.8  | 1999.8  | 1999.8  | 1999.8  | 1999.8  | 1999.8  |
| 2.5°  | 2240.5  | 2257.4  | 2295.2  | 2315.1  | 2346.0  | 2348.0  | 2348.0  | 2321.1  | 2320.1  | 2265.4  |
| 5°    | 2504.2  | 2544.0  | 2633.5  | 2726.0  | 2745.9  | 2750.9  | 2741.0  | 2687.2  | 2647.4  | 2541.0  |
| 7.5°  | 2765.8  | 2842.4  | 2978.7  | 3102.1  | 3141.9  | 3141.9  | 3118.0  | 3030.5  | 2948.9  | 2794.7  |
| 10°   | 2982.7  | 3079.2  | 3264.3  | 3402.6  | 3448.3  | 3438.4  | 3389.6  | 3279.2  | 3166.8  | 2979.7  |
| 12.5° | 3126.0  | 3234.4  | 3437.4  | 3548.8  | 3595.6  | 3569.7  | 3514.0  | 3406.5  | 3288.2  | 3091.2  |
| 15°   | 3197.6  | 3311.0  | 3487.1  | 3545.8  | 3532.9  | 3506.0  | 3499.1  | 3447.3  | 3357.8  | 3173.7  |
| 17.5° | 3228.5  | 3333.9  | 3456.3  | 3419.5  | 3310.0  | 3289.1  | 3358.8  | 3424.5  | 3402.6  | 3245.4  |
| 20°   | 3257.3  | 3345.9  | 3382.7  | 3219.5  | 3028.5  | 3009.6  | 3142.9  | 3329.9  | 3425.5  | 3312.0  |
| 22.5° | 3297.1  | 3351.8  | 3276.2  | 3008.6  | 2802.6  | 2758.9  | 2906.1  | 3187.7  | 3432.4  | 3396.6  |
| 25°   | 3351.8  | 3366.8  | 3158.8  | 2808.6  | 2601.7  | 2557.9  | 2695.2  | 3029.5  | 3420.5  | 3488.1  |
| 27.5° | 3417.5  | 3386.6  | 3046.4  | 2641.5  | 2441.5  | 2400.7  | 2538.0  | 2877.3  | 3386.6  | 3579.7  |
| 30°   | 3503.1  | 3412.5  | 2935.0  | 2512.1  | 2327.1  | 2297.2  | 2429.6  | 2745.9  | 3344.9  | 3696.1  |
| 32.5° | 3589.6  | 3423.5  | 2831.5  | 2436.5  | 2301.2  | 2312.2  | 2420.6  | 2675.3  | 3299.1  | 3807.5  |
| 35°   | 3683.1  | 3458.3  | 2780.8  | 2511.1  | 2517.1  | 2612.6  | 2657.4  | 2741.0  | 3292.1  | 3958.7  |
| 37.5° | 3810.5  | 3535.9  | 2841.4  | 2882.2  | 3089.2  | 3287.2  | 3250.3  | 3062.3  | 3372.7  | 4184.6  |
| 40°   | 3993.5  | 3672.2  | 3106.1  | 3514.0  | 3938.8  | 4260.2  | 4119.9  | 3646.3  | 3619.5  | 4509.9  |
| 42.5° | 4260.2  | 3889.1  | 3575.7  | 4286.0  | 5006.4  | 5535.6  | 5159.6  | 4399.5  | 4051.2  | 4974.5  |
| 45°   | 4654.2  | 4240.3  | 4143.8  | 5100.9  | 6322.6  | 7156.3  | 6374.3  | 5202.3  | 4656.1  | 5677.9  |
| 47.5° | 5200.4  | 4756.6  | 4676.0  | 5959.5  | 7922.4  | 9000.9  | 7721.4  | 5946.5  | 5344.6  | 6637.0  |
| 50°   | 5925.6  | 5452.1  | 5180.5  | 6898.7  | 9676.4  | 10881.3 | 9067.5  | 6664.9  | 6133.6  | 7809.0  |
| 52.5° | 6882.7  | 6422.1  | 5768.4  | 7793.1  | 11480.2 | 12721.8 | 10419.6 | 7295.6  | 7112.6  | 9169.0  |
| 55°   | 8188.1  | 7881.6  | 6572.3  | 8646.7  | 13282.9 | 14573.3 | 11719.0 | 7890.6  | 8405.9  | 10784.7 |
| 57.5° | 9807.8  | 10026.6 | 7731.4  | 9636.6  | 14903.6 | 16481.6 | 13024.3 | 8722.3  | 10085.3 | 12591.5 |
| 60°   | 10852.4 | 12879.0 | 9951.0  | 11100.1 | 16745.2 | 18639.5 | 14813.1 | 10304.2 | 11850.3 | 13239.2 |
| 62.5° | 10599.7 | 13786.4 | 12609.4 | 12968.6 | 18438.5 | 20208.5 | 16566.1 | 11893.1 | 12182.6 | 12285.1 |
| 65°   | 9824.7  | 13054.1 | 12067.2 | 13331.7 | 18867.3 | 20297.0 | 17034.7 | 11688.1 | 10334.1 | 10029.6 |
| 67.5° | 8758.1  | 12185.6 | 10778.8 | 12368.6 | 18092.3 | 19059.4 | 16162.2 | 10339.0 | 7986.1  | 7526.4  |
| 70°   | 7607.0  | 11224.5 | 9933.1  | 11288.2 | 16614.9 | 16902.4 | 14678.8 | 9093.4  | 5873.9  | 5083.0  |
| 72.5° | 6514.6  | 10223.6 | 9354.1  | 10180.8 | 14644.0 | 14049.0 | 12747.7 | 7992.1  | 4277.1  | 3666.2  |
| 75°   | 5397.3  | 8747.2  | 8529.3  | 8865.6  | 12052.3 | 11066.3 | 10591.7 | 6617.1  | 3356.8  | 2652.4  |
| 77.5° | 4164.7  | 6835.0  | 7336.4  | 7099.6  | 8483.5  | 8219.9  | 8209.9  | 4972.5  | 2452.4  | 1769.9  |
| 80°   | 2850.4  | 4763.6  | 5731.6  | 5008.3  | 5505.8  | 5371.5  | 6183.3  | 3335.9  | 1778.9  | 1065.5  |
| 82.5° | 1675.4  | 2900.1  | 3989.6  | 2424.6  | 3044.4  | 3125.0  | 3682.1  | 1622.7  | 1046.6  | 245.7   |
| 85°   | 679.5   | 1145.1  | 1560.0  | 949.1   | 1468.5  | 1238.7  | 1397.8  | 455.7   | 291.5   | 6.0     |
| 87.5° | 171.1   | 366.1   | 256.7   | 106.5   | 170.1   | 156.2   | 123.4   | 55.7    | 11.9    | 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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**CANDELA DISTRIBUTION (continued):**

| 90°     |       | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1999.8  | 0°    | 1999.8 | 1999.8 | 1999.8 | 1999.8 | 1999.8 | 1999.8 | 1999.8 | 1999.8 | 1999.8 | 1999.8 |
| 2259.4  | 2.5°  | 2220.6 | 2197.7 | 2141.0 | 2084.3 | 2038.6 | 1976.9 | 1936.1 | 1887.3 | 1840.6 | 1798.8 |
| 2518.1  | 5°    | 2455.4 | 2379.8 | 2276.3 | 2181.8 | 2085.3 | 1991.8 | 1899.3 | 1801.8 | 1712.2 | 1657.5 |
| 2737.0  | 7.5°  | 2646.4 | 2513.1 | 2375.8 | 2255.4 | 2139.0 | 2029.6 | 1907.2 | 1788.8 | 1648.6 | 1573.9 |
| 2904.1  | 10°   | 2788.7 | 2613.6 | 2433.5 | 2295.2 | 2177.8 | 2071.4 | 1967.9 | 1848.5 | 1679.4 | 1585.9 |
| 3005.6  | 12.5° | 2882.2 | 2674.3 | 2463.4 | 2305.2 | 2173.9 | 2091.3 | 2045.5 | 1998.8 | 1830.6 | 1721.2 |
| 3080.2  | 15°   | 2946.9 | 2717.1 | 2484.3 | 2282.3 | 2121.1 | 2060.4 | 2106.2 | 2159.9 | 2052.5 | 1926.1 |
| 3157.8  | 17.5° | 3017.5 | 2772.8 | 2493.2 | 2220.6 | 2018.7 | 1992.8 | 2111.2 | 2235.5 | 2230.6 | 2105.2 |
| 3231.4  | 20°   | 3092.2 | 2821.5 | 2487.3 | 2121.1 | 1894.3 | 1917.2 | 2068.4 | 2212.7 | 2273.4 | 2205.7 |
| 3316.0  | 22.5° | 3168.8 | 2868.3 | 2464.4 | 1991.8 | 1777.9 | 1849.5 | 2000.7 | 2127.1 | 2198.7 | 2177.8 |
| 3419.5  | 25°   | 3265.3 | 2934.0 | 2430.5 | 1852.5 | 1681.4 | 1780.9 | 1922.2 | 2024.6 | 2074.4 | 2073.4 |
| 3530.9  | 27.5° | 3380.7 | 3021.5 | 2412.6 | 1740.1 | 1612.7 | 1703.3 | 1828.6 | 1920.2 | 1955.0 | 1955.0 |
| 3669.2  | 30°   | 3515.0 | 3125.0 | 2392.7 | 1666.5 | 1572.9 | 1622.7 | 1720.2 | 1809.7 | 1844.6 | 1844.6 |
| 3820.4  | 32.5° | 3664.2 | 3224.5 | 2345.0 | 1621.7 | 1543.1 | 1544.1 | 1605.8 | 1687.4 | 1729.1 | 1735.1 |
| 4009.5  | 35°   | 3843.3 | 3330.9 | 2240.5 | 1585.9 | 1508.3 | 1467.5 | 1497.3 | 1565.0 | 1614.7 | 1627.7 |
| 4279.1  | 37.5° | 4078.1 | 3461.3 | 2091.3 | 1533.1 | 1454.5 | 1386.9 | 1393.9 | 1445.6 | 1500.3 | 1520.2 |
| 4651.2  | 40°   | 4393.5 | 3614.5 | 1936.1 | 1457.5 | 1378.9 | 1298.3 | 1295.4 | 1333.2 | 1386.9 | 1408.8 |
| 5154.6  | 42.5° | 4810.4 | 3798.5 | 1787.8 | 1384.9 | 1287.4 | 1204.8 | 1199.9 | 1229.7 | 1276.5 | 1299.3 |
| 5819.2  | 45°   | 5343.6 | 4024.4 | 1660.5 | 1328.2 | 1197.9 | 1116.3 | 1114.3 | 1139.2 | 1180.0 | 1203.8 |
| 6669.8  | 47.5° | 6084.8 | 4250.2 | 1573.9 | 1298.3 | 1127.2 | 1043.7 | 1047.6 | 1069.5 | 1106.3 | 1123.2 |
| 7771.2  | 50°   | 7050.9 | 4318.9 | 1530.2 | 1298.3 | 1089.4 | 979.0  | 998.9  | 1016.8 | 1044.6 | 1054.6 |
| 9091.4  | 52.5° | 7978.1 | 4092.0 | 1490.4 | 1306.3 | 1094.4 | 924.3  | 967.0  | 980.0  | 1003.9 | 1007.8 |
| 10315.2 | 55°   | 8432.8 | 3518.0 | 1435.6 | 1308.3 | 1125.2 | 877.5  | 941.2  | 965.1  | 974.0  | 973.0  |
| 11025.5 | 57.5° | 8276.6 | 2844.4 | 1343.1 | 1300.3 | 1146.1 | 847.7  | 909.3  | 955.1  | 961.1  | 952.1  |
| 10890.2 | 60°   | 7728.4 | 2094.3 | 1272.5 | 1241.6 | 1138.2 | 838.7  | 860.6  | 933.2  | 942.2  | 930.2  |
| 9847.5  | 62.5° | 6809.1 | 1453.6 | 1217.8 | 1112.3 | 1103.3 | 835.7  | 784.0  | 885.5  | 907.4  | 890.4  |
| 7915.4  | 65°   | 5360.5 | 1026.7 | 1048.6 | 975.0  | 1027.7 | 819.8  | 704.4  | 827.8  | 857.6  | 831.7  |
| 5742.6  | 67.5° | 3627.4 | 741.2  | 849.6  | 883.5  | 905.4  | 784.0  | 646.7  | 762.1  | 801.9  | 768.1  |
| 3685.1  | 70°   | 1959.0 | 520.3  | 561.1  | 744.2  | 769.1  | 722.3  | 595.0  | 695.4  | 741.2  | 704.4  |
| 2619.6  | 72.5° | 1157.1 | 374.1  | 393.0  | 597.9  | 640.7  | 635.7  | 537.2  | 617.8  | 673.5  | 629.8  |
| 1807.7  | 75°   | 637.7  | 252.7  | 280.6  | 433.8  | 520.3  | 490.5  | 461.6  | 523.3  | 580.0  | 537.2  |
| 1133.2  | 77.5° | 285.5  | 151.2  | 195.0  | 284.5  | 408.9  | 336.3  | 357.2  | 407.9  | 460.6  | 415.9  |
| 630.8   | 80°   | 110.4  | 84.6   | 129.3  | 155.2  | 297.5  | 186.0  | 229.8  | 300.5  | 338.3  | 302.5  |
| 137.3   | 82.5° | 13.9   | 37.8   | 55.7   | 60.7   | 173.1  | 98.5   | 133.3  | 189.0  | 186.0  | 161.2  |
| 0.0     | 85°   | 0.0    | 7.0    | 8.0    | 4.0    | 74.6   | 35.8   | 43.8   | 61.7   | 57.7   | 43.8   |
| 0.0     | 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 2.0    | 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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**CANDELA DISTRIBUTION (continued):**

| 185°   |       | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°   | 270°   | 275°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1999.8 | 0°    | 1999.8 | 1999.8 | 1999.8 | 1999.8 | 1999.8 | 1999.8 | 1999.8 | 1999.8 | 1999.8 | 1999.8 |
| 1790.8 | 2.5°  | 1742.1 | 1706.3 | 1688.4 | 1673.4 | 1687.4 | 1695.3 | 1695.3 | 1729.1 | 1749.0 | 1757.0 |
| 1622.7 | 5°    | 1535.1 | 1468.5 | 1423.7 | 1396.8 | 1405.8 | 1415.7 | 1426.7 | 1469.5 | 1498.3 | 1517.2 |
| 1506.3 | 7.5°  | 1372.0 | 1270.5 | 1207.8 | 1175.0 | 1180.0 | 1186.9 | 1195.9 | 1237.7 | 1266.5 | 1291.4 |
| 1484.4 | 10°   | 1291.4 | 1148.1 | 1065.5 | 1025.7 | 1018.8 | 1014.8 | 1011.8 | 1036.7 | 1058.6 | 1078.5 |
| 1573.9 | 12.5° | 1295.4 | 1095.4 | 994.9  | 946.2  | 925.3  | 901.4  | 882.5  | 886.5  | 900.4  | 925.3  |
| 1734.1 | 15°   | 1346.1 | 1078.5 | 958.1  | 897.4  | 862.6  | 834.7  | 811.8  | 806.9  | 811.8  | 815.8  |
| 1917.2 | 17.5° | 1414.8 | 1076.5 | 926.3  | 850.6  | 814.8  | 791.9  | 771.0  | 764.1  | 765.1  | 770.1  |
| 2038.6 | 20°   | 1469.5 | 1070.5 | 890.4  | 805.9  | 774.0  | 754.1  | 733.2  | 726.3  | 728.3  | 729.3  |
| 2050.5 | 22.5° | 1498.3 | 1061.6 | 850.6  | 761.1  | 734.2  | 714.3  | 695.4  | 694.4  | 694.4  | 700.4  |
| 1985.8 | 25°   | 1498.3 | 1042.7 | 814.8  | 718.3  | 694.4  | 676.5  | 653.7  | 657.6  | 659.6  | 667.6  |
| 1885.3 | 27.5° | 1462.5 | 1006.8 | 786.0  | 681.5  | 656.6  | 638.7  | 617.8  | 622.8  | 625.8  | 634.7  |
| 1785.9 | 30°   | 1416.7 | 964.1  | 753.1  | 646.7  | 617.8  | 604.9  | 587.0  | 589.0  | 593.0  | 602.9  |
| 1693.3 | 32.5° | 1368.0 | 913.3  | 726.3  | 611.9  | 583.0  | 573.1  | 553.2  | 556.2  | 560.1  | 571.1  |
| 1601.8 | 35°   | 1314.3 | 853.6  | 694.4  | 580.0  | 551.2  | 543.2  | 520.3  | 522.3  | 528.3  | 540.2  |
| 1503.3 | 37.5° | 1257.6 | 804.9  | 662.6  | 549.2  | 519.3  | 511.4  | 487.5  | 489.5  | 496.5  | 510.4  |
| 1399.8 | 40°   | 1201.8 | 757.1  | 628.8  | 516.4  | 486.5  | 479.5  | 453.7  | 455.7  | 463.6  | 478.5  |
| 1295.4 | 42.5° | 1141.2 | 720.3  | 585.0  | 482.5  | 450.7  | 443.7  | 419.8  | 422.8  | 431.8  | 446.7  |
| 1198.9 | 45°   | 1068.5 | 696.4  | 536.3  | 450.7  | 414.9  | 407.9  | 386.0  | 392.0  | 401.9  | 416.9  |
| 1116.3 | 47.5° | 993.9  | 686.5  | 495.5  | 416.9  | 378.1  | 372.1  | 354.2  | 364.1  | 375.1  | 387.0  |
| 1045.6 | 50°   | 922.3  | 673.5  | 453.7  | 385.0  | 346.2  | 340.3  | 328.3  | 341.3  | 352.2  | 363.1  |
| 994.9  | 52.5° | 840.7  | 645.7  | 415.9  | 357.2  | 319.4  | 317.4  | 311.4  | 323.3  | 333.3  | 343.2  |
| 951.1  | 55°   | 756.1  | 600.9  | 383.0  | 332.3  | 296.5  | 298.5  | 295.5  | 305.4  | 313.4  | 322.3  |
| 911.3  | 57.5° | 682.5  | 544.2  | 357.2  | 305.4  | 276.6  | 282.6  | 278.6  | 283.5  | 288.5  | 299.5  |
| 863.6  | 60°   | 607.9  | 476.6  | 328.3  | 273.6  | 256.7  | 263.6  | 252.7  | 251.7  | 253.7  | 256.7  |
| 792.9  | 62.5° | 507.4  | 405.9  | 292.5  | 245.7  | 234.8  | 237.8  | 216.9  | 201.0  | 201.0  | 204.0  |
| 694.4  | 65°   | 407.9  | 340.3  | 252.7  | 213.9  | 205.0  | 203.0  | 173.1  | 151.2  | 149.2  | 158.2  |
| 580.0  | 67.5° | 335.3  | 282.6  | 212.9  | 178.1  | 172.1  | 174.1  | 152.2  | 130.3  | 128.3  | 138.3  |
| 472.6  | 70°   | 277.6  | 227.8  | 170.1  | 137.3  | 143.3  | 152.2  | 130.3  | 109.4  | 106.5  | 115.4  |
| 384.0  | 72.5° | 220.9  | 178.1  | 130.3  | 101.5  | 118.4  | 129.3  | 106.5  | 86.6   | 84.6   | 92.5   |
| 296.5  | 75°   | 162.2  | 127.3  | 88.5   | 73.6   | 91.5   | 101.5  | 77.6   | 61.7   | 58.7   | 65.7   |
| 198.0  | 77.5° | 100.5  | 71.6   | 55.7   | 43.8   | 62.7   | 67.7   | 40.8   | 35.8   | 34.8   | 39.8   |
| 120.4  | 80°   | 46.8   | 30.8   | 26.9   | 14.9   | 22.9   | 26.9   | 16.9   | 18.9   | 19.9   | 23.9   |
| 60.7   | 82.5° | 12.9   | 5.0    | 1.0    | 0.0    | 0.0    | 8.0    | 4.0    | 8.0    | 9.9    | 14.9   |
| 5.0    | 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 2.0    | 5.0    | 9.0    |
| 0.0    | 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 4.0    |
| 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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|--------|-------|--------|--------|--------|--------|--------|--------|--------|---------|
| 1999.8 | 0°    | 1999.8 | 1999.8 | 1999.8 | 1999.8 | 1999.8 | 1999.8 | 1999.8 | 1999.8  |
| 1812.7 | 2.5°  | 1854.5 | 1894.3 | 1958.0 | 2023.6 | 2088.3 | 2154.0 | 2217.6 | 2240.5  |
| 1603.8 | 5°    | 1682.4 | 1773.9 | 1900.3 | 2035.6 | 2174.9 | 2316.1 | 2445.5 | 2504.2  |
| 1387.9 | 7.5°  | 1490.4 | 1621.7 | 1811.7 | 2023.6 | 2245.5 | 2467.4 | 2671.3 | 2765.8  |
| 1174.0 | 10°   | 1285.4 | 1451.6 | 1668.5 | 1955.0 | 2273.4 | 2579.8 | 2860.3 | 2982.7  |
| 985.9  | 12.5° | 1090.4 | 1264.5 | 1504.3 | 1847.5 | 2251.5 | 2644.5 | 2981.7 | 3126.0  |
| 853.6  | 15°   | 927.2  | 1081.5 | 1340.1 | 1720.2 | 2180.8 | 2648.4 | 3039.4 | 3197.6  |
| 780.0  | 17.5° | 804.9  | 905.4  | 1173.0 | 1578.9 | 2088.3 | 2611.6 | 3059.3 | 3228.5  |
| 740.2  | 20°   | 744.2  | 772.0  | 956.1  | 1397.8 | 2001.7 | 2576.8 | 3079.2 | 3257.3  |
| 708.4  | 22.5° | 708.4  | 715.3  | 782.0  | 1164.0 | 1898.3 | 2565.9 | 3114.0 | 3297.1  |
| 679.5  | 25°   | 679.5  | 681.5  | 699.4  | 922.3  | 1740.1 | 2558.9 | 3167.8 | 3351.8  |
| 649.7  | 27.5° | 650.7  | 650.7  | 660.6  | 743.2  | 1525.2 | 2529.0 | 3237.4 | 3417.5  |
| 619.8  | 30°   | 621.8  | 621.8  | 628.8  | 657.6  | 1273.5 | 2470.3 | 3321.0 | 3503.1  |
| 590.0  | 32.5° | 592.0  | 592.0  | 597.9  | 618.8  | 1016.8 | 2396.7 | 3397.6 | 3589.6  |
| 559.1  | 35°   | 562.1  | 560.1  | 568.1  | 590.0  | 808.9  | 2303.2 | 3474.2 | 3683.1  |
| 528.3  | 37.5° | 530.3  | 529.3  | 537.2  | 562.1  | 698.4  | 2194.8 | 3531.9 | 3810.5  |
| 497.5  | 40°   | 496.5  | 496.5  | 505.4  | 532.3  | 666.6  | 2058.5 | 3623.4 | 3993.5  |
| 465.6  | 42.5° | 465.6  | 463.6  | 473.6  | 506.4  | 642.7  | 1928.1 | 3787.6 | 4260.2  |
| 436.8  | 45°   | 435.8  | 431.8  | 440.7  | 481.5  | 600.9  | 1882.4 | 4094.0 | 4654.2  |
| 408.9  | 47.5° | 407.9  | 398.0  | 405.9  | 451.7  | 563.1  | 2053.5 | 4595.5 | 5200.4  |
| 384.0  | 50°   | 385.0  | 366.1  | 373.1  | 421.8  | 534.3  | 2424.6 | 5246.1 | 5925.6  |
| 361.1  | 52.5° | 361.1  | 336.3  | 340.3  | 385.0  | 508.4  | 2777.8 | 5951.5 | 6882.7  |
| 338.3  | 55°   | 336.3  | 308.4  | 310.4  | 348.2  | 471.6  | 2830.5 | 6640.0 | 8188.1  |
| 312.4  | 57.5° | 308.4  | 282.6  | 282.6  | 314.4  | 444.7  | 2453.4 | 7169.3 | 9807.8  |
| 280.6  | 60°   | 277.6  | 260.7  | 255.7  | 287.5  | 468.6  | 1731.1 | 7231.0 | 10852.4 |
| 239.8  | 62.5° | 243.8  | 234.8  | 227.8  | 261.7  | 486.5  | 1025.7 | 6734.5 | 10599.7 |
| 189.0  | 65°   | 205.0  | 203.0  | 198.0  | 287.5  | 409.9  | 605.9  | 5781.4 | 9824.7  |
| 161.2  | 67.5° | 172.1  | 169.1  | 169.1  | 301.5  | 311.4  | 381.0  | 4516.9 | 8758.1  |
| 137.3  | 70°   | 148.2  | 137.3  | 137.3  | 227.8  | 189.0  | 263.6  | 3153.8 | 7607.0  |
| 113.4  | 72.5° | 124.4  | 112.4  | 104.5  | 182.1  | 141.3  | 193.0  | 1970.9 | 6514.6  |
| 86.6   | 75°   | 99.5   | 90.5   | 80.6   | 120.4  | 105.5  | 146.3  | 1145.1 | 5397.3  |
| 54.7   | 77.5° | 71.6   | 67.7   | 56.7   | 88.5   | 76.6   | 105.5  | 681.5  | 4164.7  |
| 33.8   | 80°   | 36.8   | 37.8   | 35.8   | 50.7   | 51.7   | 71.6   | 388.0  | 2850.4  |
| 21.9   | 82.5° | 21.9   | 16.9   | 18.9   | 24.9   | 29.8   | 40.8   | 146.3  | 1675.4  |
| 15.9   | 85°   | 13.9   | 9.0    | 9.0    | 11.9   | 14.9   | 15.9   | 44.8   | 679.5   |
| 8.0    | 87.5° | 7.0    | 3.0    | 4.0    | 6.0    | 5.0    | 4.0    | 2.0    | 171.1   |
| 0.0    | 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     |

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