

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: P941214

Luminaire Tested: **GLAN-SB4C-927-U-T2-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P941214  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4C-927-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 13341 lumens  
Efficiency: N/A  
Efficacy: 66.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

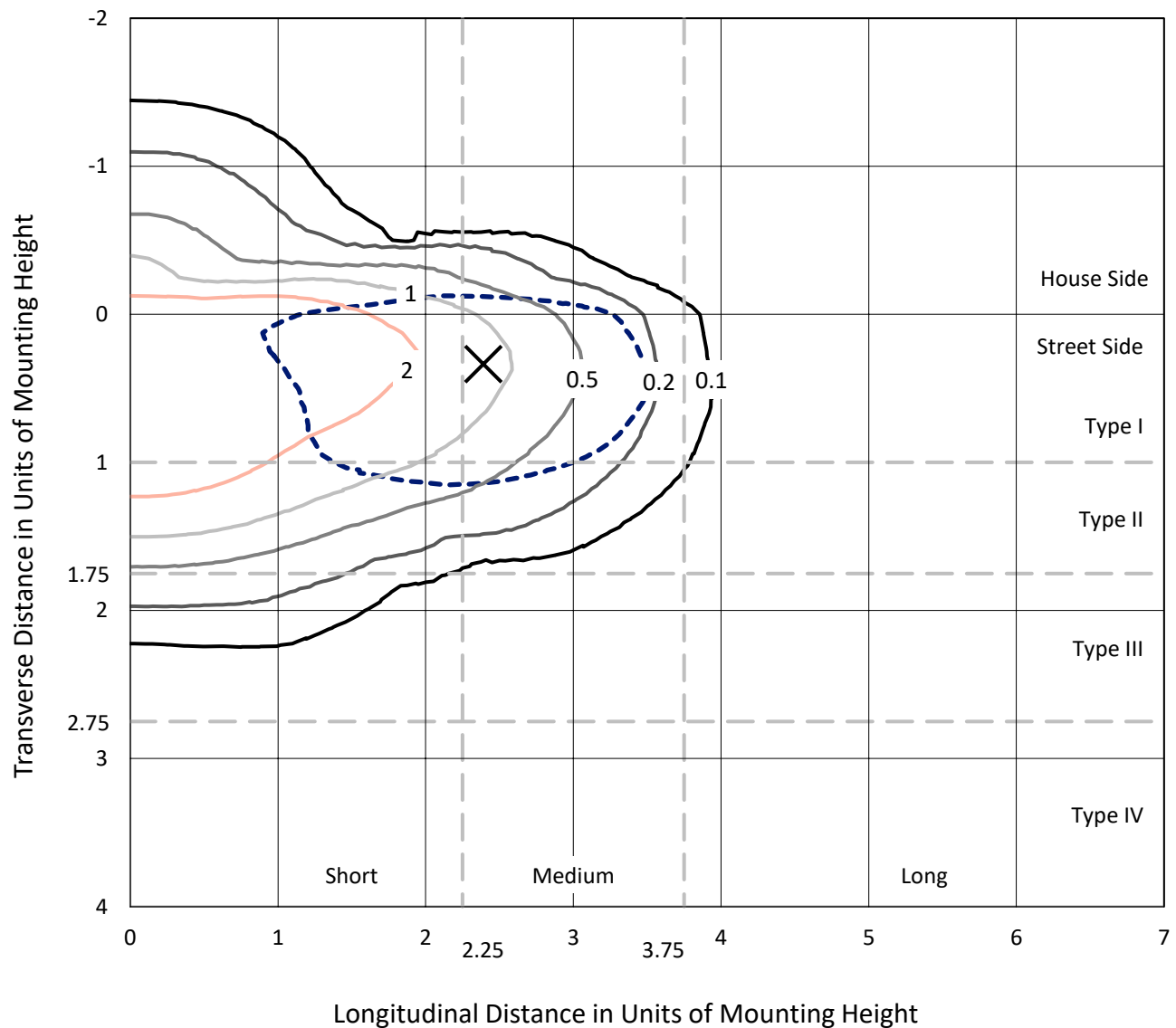
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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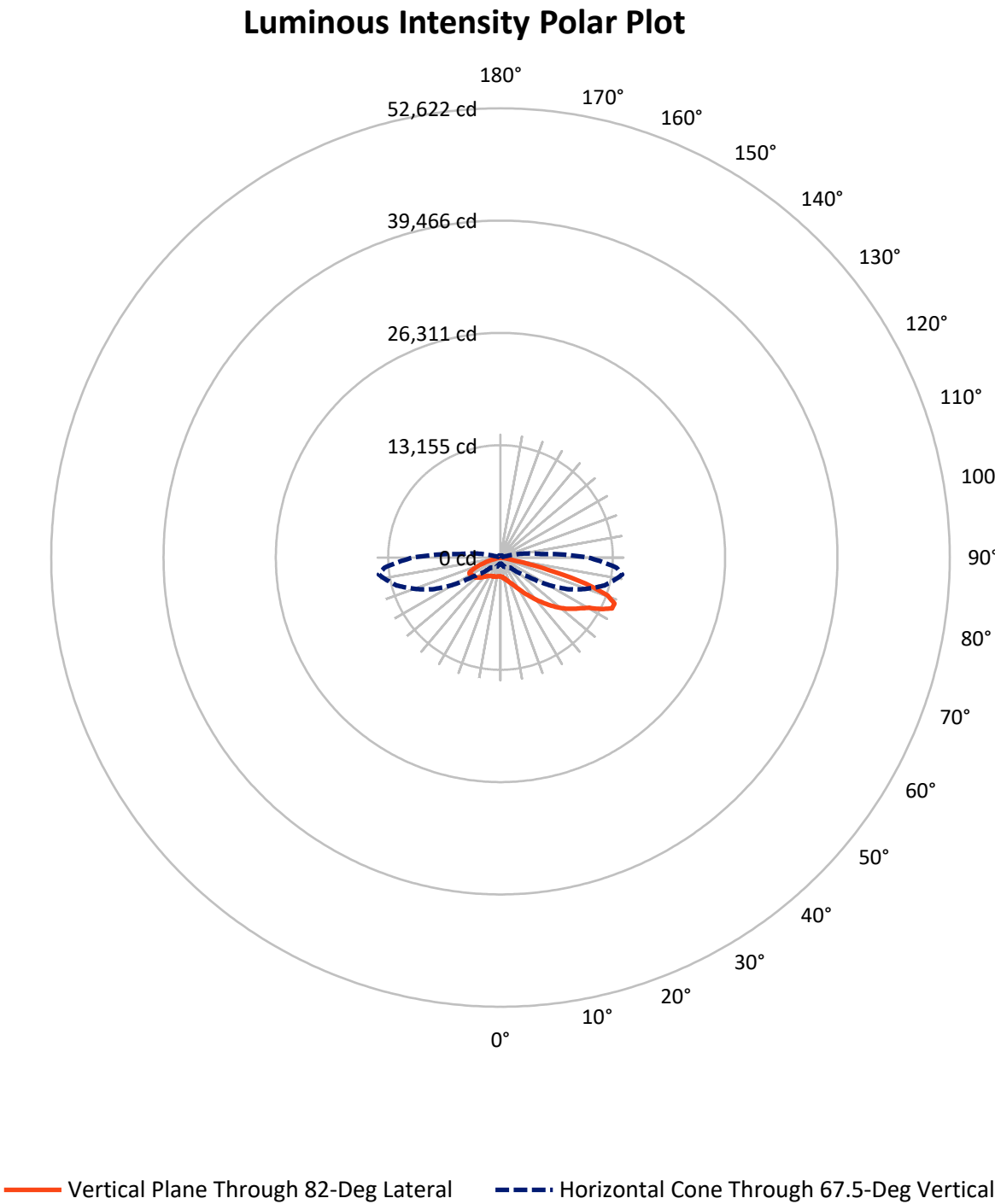
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc  
 Type II - Medium - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2416.6   | 0.0    | 2416.6  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 10924.4  | 0.0    | 10924.4 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 13341.0  | 0.0    | 13341.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 196.9   | 1.5       |
| 10°-20°   | 511.7   | 3.8       |
| 20°-30°   | 819.6   | 6.1       |
| 30°-40°   | 1449.2  | 10.9      |
| 40°-50°   | 2539.2  | 19.0      |
| 50°-60°   | 3386.6  | 25.4      |
| 60°-70°   | 3152.7  | 23.6      |
| 70°-80°   | 1210.0  | 9.1       |
| 80°-90°   | 75.1    | 0.6       |
| 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°    | 13341.0 | 100.0     |
| 0°-180°   | 13341.0 | 100.0     |

**Coefficient of Utilization**



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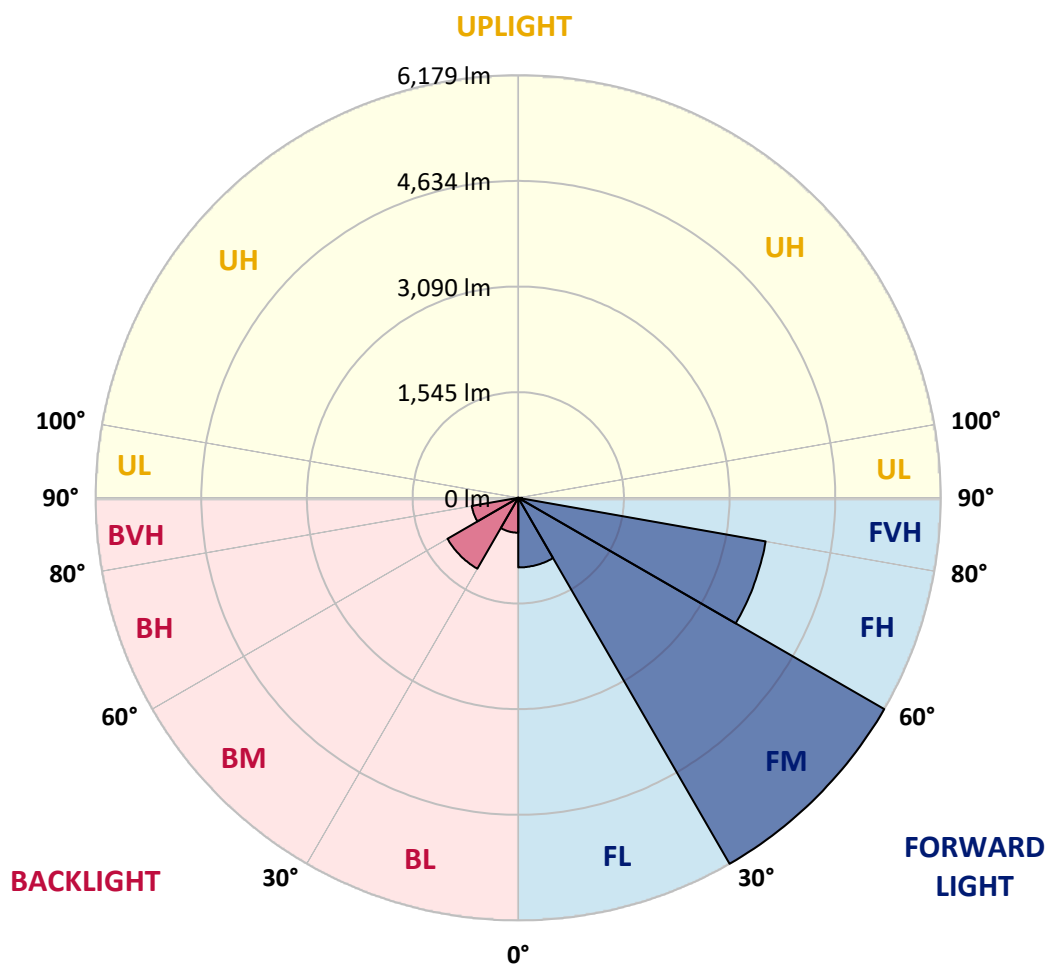
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1017.8 | 7.6       |                         |      |         |
| FM   | (30°-60°)   | 6179.0 | 46.3      |                         |      |         |
| FH   | (60°-80°)   | 3673.0 | 27.5      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 54.6   | 0.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 510.4  | 3.8       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1196.0 | 9.0       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 689.7  | 5.2       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 20.5   | 0.2       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°     | 82°     |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0°    | 2210.2 | 2210.2 | 2210.2 | 2210.2 | 2210.2 | 2210.2 | 2210.2 | 2210.2 | 2210.2  | 2210.2  |
| 2.5°  | 2336.0 | 2349.4 | 2341.7 | 2337.9 | 2331.2 | 2321.6 | 2313.9 | 2289.9 | 2264.9  | 2248.6  |
| 5°    | 2383.0 | 2396.5 | 2395.5 | 2399.4 | 2404.2 | 2407.1 | 2405.1 | 2378.2 | 2342.7  | 2314.8  |
| 7.5°  | 2342.7 | 2358.1 | 2370.6 | 2389.8 | 2423.4 | 2458.9 | 2476.2 | 2470.5 | 2434.0  | 2395.5  |
| 10°   | 2228.4 | 2244.7 | 2274.5 | 2319.7 | 2390.7 | 2467.6 | 2531.9 | 2561.7 | 2538.6  | 2496.4  |
| 12.5° | 2019.0 | 2035.3 | 2093.9 | 2191.9 | 2311.0 | 2444.5 | 2567.5 | 2647.2 | 2653.0  | 2610.7  |
| 15°   | 1783.7 | 1800.0 | 1862.4 | 1985.4 | 2166.9 | 2381.1 | 2586.7 | 2737.5 | 2788.4  | 2751.9  |
| 17.5° | 1637.7 | 1652.1 | 1699.2 | 1798.1 | 1987.3 | 2254.3 | 2580.0 | 2833.5 | 2949.8  | 2920.9  |
| 20°   | 1593.5 | 1606.0 | 1628.1 | 1697.2 | 1854.8 | 2122.7 | 2535.8 | 2923.8 | 3123.6  | 3107.3  |
| 22.5° | 1640.6 | 1652.1 | 1658.8 | 1689.6 | 1788.5 | 2036.3 | 2480.1 | 3016.0 | 3325.3  | 3327.2  |
| 25°   | 1749.1 | 1760.6 | 1752.9 | 1772.2 | 1815.4 | 2009.4 | 2458.9 | 3124.6 | 3578.9  | 3600.0  |
| 27.5° | 1927.8 | 1928.7 | 1910.5 | 1909.5 | 1916.2 | 2049.7 | 2481.0 | 3240.8 | 3898.7  | 3938.1  |
| 30°   | 2286.0 | 2271.6 | 2201.5 | 2125.6 | 2091.0 | 2170.8 | 2542.5 | 3378.1 | 4276.2  | 4346.3  |
| 32.5° | 2838.3 | 2817.2 | 2688.5 | 2507.0 | 2324.5 | 2365.8 | 2653.0 | 3534.7 | 4687.3  | 4814.1  |
| 35°   | 3437.7 | 3431.9 | 3297.5 | 3027.6 | 2708.7 | 2643.3 | 2832.6 | 3740.3 | 5135.9  | 5337.6  |
| 37.5° | 3994.8 | 3991.9 | 3915.1 | 3597.1 | 3209.1 | 3030.4 | 3120.7 | 4009.2 | 5616.1  | 5908.1  |
| 40°   | 4503.9 | 4512.5 | 4435.7 | 4151.4 | 3760.4 | 3527.0 | 3512.6 | 4341.5 | 6150.2  | 6529.6  |
| 42.5° | 4943.8 | 4953.4 | 4875.6 | 4665.2 | 4305.0 | 4076.4 | 3993.8 | 4748.8 | 6671.8  | 7197.2  |
| 45°   | 5242.5 | 5302.1 | 5290.5 | 5122.4 | 4864.1 | 4626.8 | 4572.1 | 5259.8 | 7266.3  | 7905.1  |
| 47.5° | 5327.0 | 5381.8 | 5468.2 | 5491.3 | 5333.8 | 5100.4 | 5165.7 | 5875.5 | 7867.6  | 8613.9  |
| 50°   | 5118.6 | 5169.5 | 5349.1 | 5588.3 | 5697.8 | 5625.8 | 5742.9 | 6535.4 | 8483.3  | 9320.9  |
| 52.5° | 4707.5 | 4759.4 | 4986.0 | 5364.5 | 5811.1 | 6037.8 | 6322.1 | 7185.6 | 9079.8  | 9990.3  |
| 55°   | 4112.9 | 4167.7 | 4458.7 | 4887.1 | 5595.0 | 6207.8 | 6805.3 | 7834.9 | 9626.3  | 10592.6 |
| 57.5° | 3304.2 | 3344.5 | 3647.1 | 4246.5 | 5051.4 | 6038.8 | 7161.6 | 8543.8 | 10141.2 | 11184.3 |
| 60°   | 2153.5 | 2189.0 | 2540.6 | 3209.1 | 4150.4 | 5474.0 | 7232.7 | 9334.3 | 10825.0 | 11953.6 |
| 62.5° | 1432.1 | 1456.1 | 1664.6 | 2155.4 | 2922.9 | 4389.6 | 6816.8 | 9965.4 | 11827.8 | 13292.6 |
| 65°   | 982.6  | 1006.6 | 1215.1 | 1557.0 | 1888.4 | 2903.6 | 5621.0 | 9881.8 | 12736.5 | 14355.9 |
| 67.5° | 701.2  | 721.3  | 898.1  | 1220.8 | 1366.8 | 1686.7 | 3810.4 | 8813.7 | 12605.8 | 14396.2 |
| 70°   | 502.4  | 513.9  | 659.9  | 950.9  | 1086.3 | 1013.3 | 2118.9 | 6740.9 | 11037.3 | 13293.6 |
| 72.5° | 351.5  | 355.4  | 458.2  | 724.2  | 875.0  | 739.6  | 1008.5 | 4494.3 | 8347.9  | 10434.1 |
| 75°   | 238.2  | 243.0  | 308.3  | 531.2  | 702.1  | 564.8  | 534.0  | 2409.9 | 4900.6  | 5775.6  |
| 77.5° | 146.0  | 147.9  | 198.8  | 363.1  | 525.4  | 430.3  | 343.9  | 1021.0 | 1896.1  | 1861.5  |
| 80°   | 82.6   | 82.6   | 126.8  | 225.7  | 358.3  | 277.6  | 241.1  | 434.2  | 600.3   | 527.3   |
| 82.5° | 46.1   | 47.1   | 92.2   | 140.2  | 237.2  | 164.2  | 132.6  | 200.7  | 259.3   | 229.6   |
| 85°   | 19.2   | 21.1   | 56.7   | 66.3   | 113.3  | 81.6   | 53.8   | 84.5   | 96.1    | 85.5    |
| 87.5° | 1.9    | 2.9    | 17.3   | 12.5   | 13.4   | 16.3   | 7.7    | 16.3   | 13.4    | 13.4    |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2210.2  | 0°    | 2210.2  | 2210.2 | 2210.2 | 2210.2 | 2210.2 | 2210.2 | 2210.2 | 2210.2 | 2210.2 | 2210.2 |
| 2242.8  | 2.5°  | 2224.6  | 2210.2 | 2173.7 | 2131.4 | 2075.7 | 2048.8 | 2012.3 | 1987.3 | 1966.2 | 1968.1 |
| 2298.5  | 5°    | 2267.8  | 2231.3 | 2149.6 | 2047.8 | 1921.0 | 1830.7 | 1734.7 | 1668.4 | 1614.6 | 1603.1 |
| 2375.4  | 7.5°  | 2327.3  | 2269.7 | 2126.6 | 1943.1 | 1728.9 | 1566.6 | 1421.6 | 1328.4 | 1262.1 | 1241.0 |
| 2468.5  | 10°   | 2404.2  | 2320.6 | 2096.8 | 1811.5 | 1503.2 | 1296.7 | 1141.1 | 1068.1 | 1023.0 | 1007.6 |
| 2578.0  | 12.5° | 2493.5  | 2379.2 | 2057.4 | 1651.1 | 1270.8 | 1071.9 | 973.0  | 936.5  | 922.1  | 917.3  |
| 2712.5  | 15°   | 2605.9  | 2452.2 | 1997.9 | 1460.9 | 1073.9 | 934.6  | 892.3  | 887.5  | 889.4  | 887.5  |
| 2873.9  | 17.5° | 2739.4  | 2531.9 | 1900.9 | 1265.0 | 941.3  | 864.5  | 849.1  | 852.9  | 857.7  | 856.8  |
| 3054.4  | 20°   | 2885.4  | 2610.7 | 1777.0 | 1091.1 | 851.0  | 814.5  | 805.9  | 809.7  | 813.6  | 811.6  |
| 3262.9  | 22.5° | 3051.6  | 2695.2 | 1639.6 | 955.7  | 790.5  | 768.4  | 758.8  | 759.8  | 759.8  | 755.9  |
| 3527.0  | 25°   | 3250.4  | 2788.4 | 1495.5 | 859.7  | 744.4  | 727.1  | 715.6  | 711.7  | 706.0  | 694.5  |
| 3847.8  | 27.5° | 3487.6  | 2887.3 | 1357.2 | 792.4  | 707.9  | 691.6  | 678.1  | 668.5  | 654.1  | 634.9  |
| 4233.0  | 30°   | 3754.7  | 3007.4 | 1240.0 | 750.2  | 679.1  | 662.8  | 647.4  | 633.0  | 611.9  | 587.8  |
| 4675.8  | 32.5° | 4068.8  | 3136.1 | 1154.5 | 722.3  | 653.2  | 635.9  | 617.6  | 600.3  | 577.3  | 553.3  |
| 5173.4  | 35°   | 4443.4  | 3291.7 | 1104.6 | 703.1  | 633.0  | 609.9  | 589.8  | 570.5  | 553.3  | 532.1  |
| 5714.1  | 37.5° | 4849.7  | 3456.9 | 1089.2 | 693.5  | 619.5  | 584.0  | 560.9  | 547.5  | 545.6  | 533.1  |
| 6299.1  | 40°   | 5294.4  | 3652.9 | 1100.8 | 687.7  | 605.1  | 559.0  | 534.0  | 531.2  | 536.0  | 513.9  |
| 6924.4  | 42.5° | 5765.0  | 3885.3 | 1120.0 | 681.0  | 585.0  | 534.0  | 510.0  | 510.0  | 506.2  | 475.5  |
| 7585.2  | 45°   | 6274.1  | 4153.3 | 1139.2 | 664.7  | 560.9  | 509.1  | 490.8  | 484.1  | 467.8  | 438.0  |
| 8249.9  | 47.5° | 6787.0  | 4426.1 | 1153.6 | 634.9  | 532.1  | 487.9  | 471.6  | 456.2  | 432.2  | 405.3  |
| 8902.1  | 50°   | 7274.0  | 4671.0 | 1138.2 | 590.7  | 499.5  | 467.8  | 450.5  | 429.4  | 403.4  | 385.2  |
| 9519.7  | 52.5° | 7709.1  | 4883.3 | 1072.9 | 538.9  | 464.9  | 446.6  | 431.3  | 409.2  | 388.0  | 368.8  |
| 10076.8 | 55°   | 8087.6  | 5055.2 | 957.6  | 489.9  | 434.2  | 428.4  | 413.0  | 385.2  | 356.4  | 340.0  |
| 10629.1 | 57.5° | 8450.6  | 5185.8 | 813.6  | 449.5  | 406.3  | 408.2  | 385.2  | 360.2  | 333.3  | 316.0  |
| 11373.5 | 60°   | 8933.8  | 5360.7 | 667.6  | 412.1  | 376.5  | 382.3  | 357.3  | 339.1  | 305.4  | 283.4  |
| 12650.0 | 62.5° | 9706.0  | 5632.5 | 530.2  | 366.0  | 341.9  | 343.9  | 333.3  | 311.2  | 270.9  | 244.9  |
| 13596.1 | 65°   | 10318.8 | 5532.6 | 417.8  | 316.0  | 302.6  | 305.4  | 305.4  | 281.4  | 238.2  | 208.4  |
| 13647.0 | 67.5° | 10249.7 | 4737.3 | 333.3  | 267.0  | 265.1  | 267.0  | 273.7  | 253.6  | 211.3  | 187.3  |
| 12607.8 | 70°   | 9441.9  | 3768.1 | 267.0  | 221.9  | 230.5  | 225.7  | 244.9  | 231.5  | 190.2  | 166.2  |
| 9774.2  | 72.5° | 7704.3  | 2714.4 | 203.6  | 183.5  | 176.7  | 184.4  | 220.9  | 208.4  | 158.5  | 131.6  |
| 5177.2  | 75°   | 4501.9  | 1448.5 | 151.8  | 145.0  | 127.7  | 153.7  | 195.9  | 177.7  | 121.0  | 97.0   |
| 1586.8  | 77.5° | 1465.8  | 505.2  | 111.4  | 106.6  | 95.1   | 123.9  | 167.1  | 149.8  | 98.9   | 76.8   |
| 464.9   | 80°   | 392.9   | 152.7  | 75.9   | 70.1   | 61.5   | 92.2   | 132.6  | 119.1  | 71.1   | 49.9   |
| 199.8   | 82.5° | 157.5   | 64.4   | 44.2   | 39.4   | 33.6   | 63.4   | 104.7  | 96.1   | 52.8   | 31.7   |
| 62.4    | 85°   | 50.9    | 21.1   | 16.3   | 12.5   | 15.4   | 39.4   | 62.4   | 65.3   | 37.5   | 16.3   |
| 9.6     | 87.5° | 6.7     | 2.9    | 2.9    | 3.8    | 2.9    | 6.7    | 19.2   | 18.2   | 10.6   | 1.9    |
| 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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| 180°   |
|--------|
| 2210.2 |
| 1948.9 |
| 1577.2 |
| 1219.9 |
| 996.1  |
| 914.4  |
| 886.6  |
| 854.9  |
| 810.7  |
| 754.0  |
| 692.5  |
| 633.0  |
| 585.9  |
| 554.2  |
| 530.2  |
| 532.1  |
| 514.8  |
| 475.5  |
| 437.0  |
| 404.4  |
| 382.3  |
| 366.9  |
| 338.1  |
| 314.1  |
| 280.5  |
| 243.0  |
| 205.6  |
| 183.5  |
| 163.3  |
| 128.7  |
| 94.1   |
| 74.0   |
| 49.0   |
| 31.7   |
| 12.5   |
| 0.0    |
| 0.0    |