

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: P940494

Luminaire Tested: **GLAN-SB3C-830-U-T2-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P940494  
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-SB3C-830-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3000K, 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: 14744 lumens  
Efficiency: N/A  
Efficacy: 98.9 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): 149.1  
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



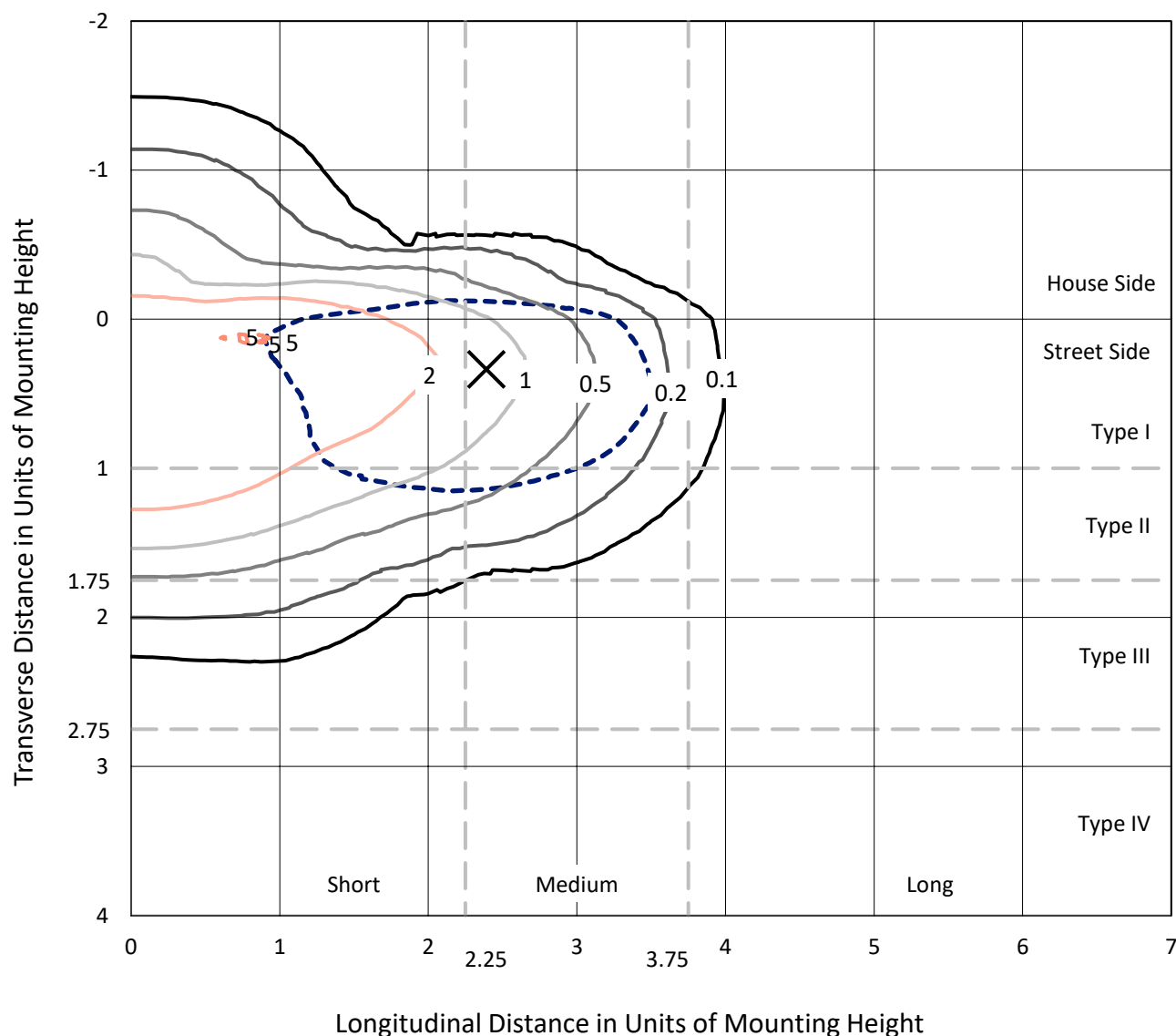
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

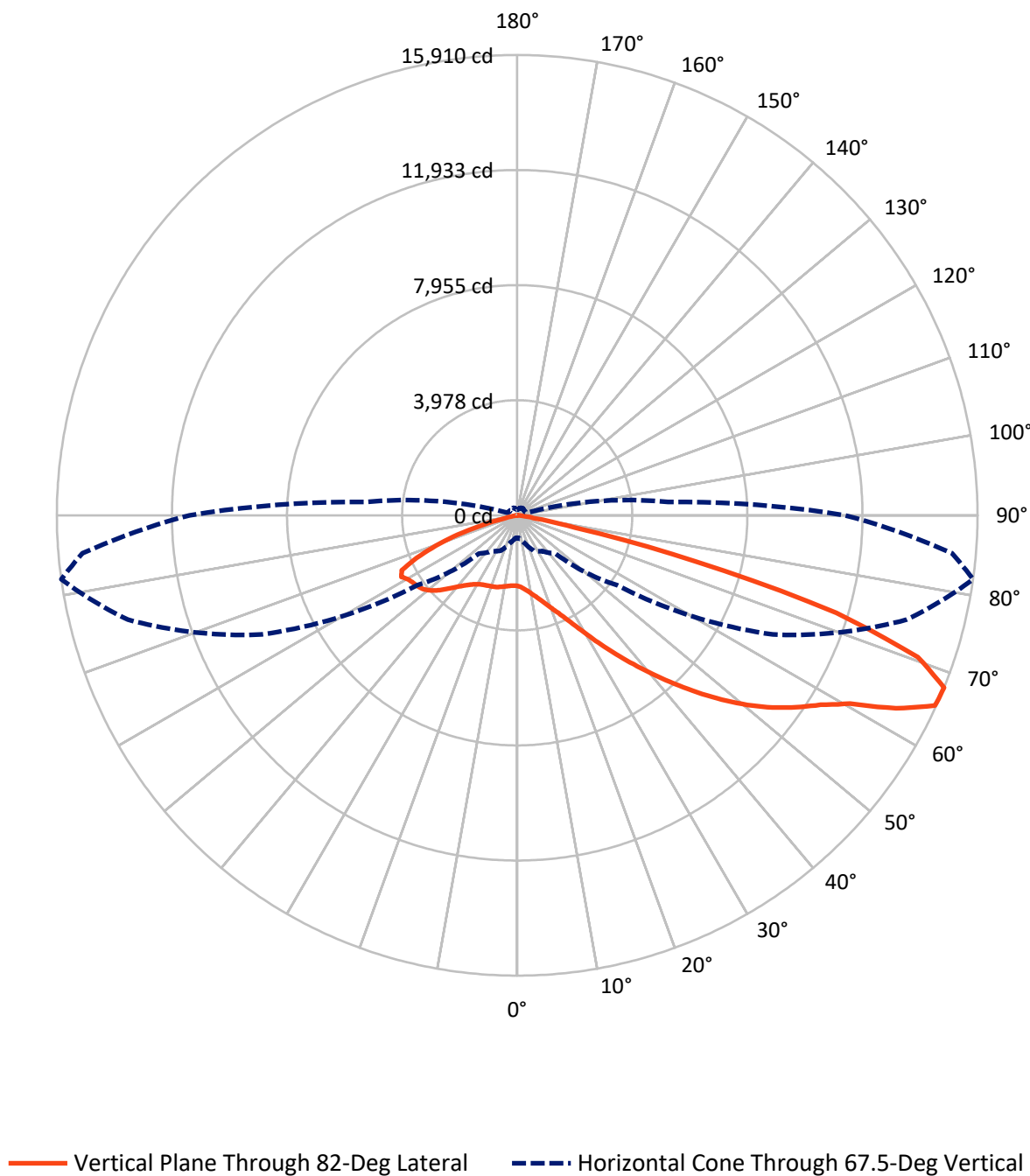
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc  
 Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2670.7   | 0.0    | 2670.7  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 12073.3  | 0.0    | 12073.3 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 14744.0  | 0.0    | 14744.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 217.6   | 1.5       |
| 10°-20°   | 565.5   | 3.8       |
| 20°-30°   | 905.7   | 6.1       |
| 30°-40°   | 1601.6  | 10.9      |
| 40°-50°   | 2806.2  | 19.0      |
| 50°-60°   | 3742.7  | 25.4      |
| 60°-70°   | 3484.3  | 23.6      |
| 70°-80°   | 1337.3  | 9.1       |
| 80°-90°   | 83.1    | 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°    | 14744.0 | 100.0     |
| 0°-180°   | 14744.0 | 100.0     |

**Coefficient of Utilization**



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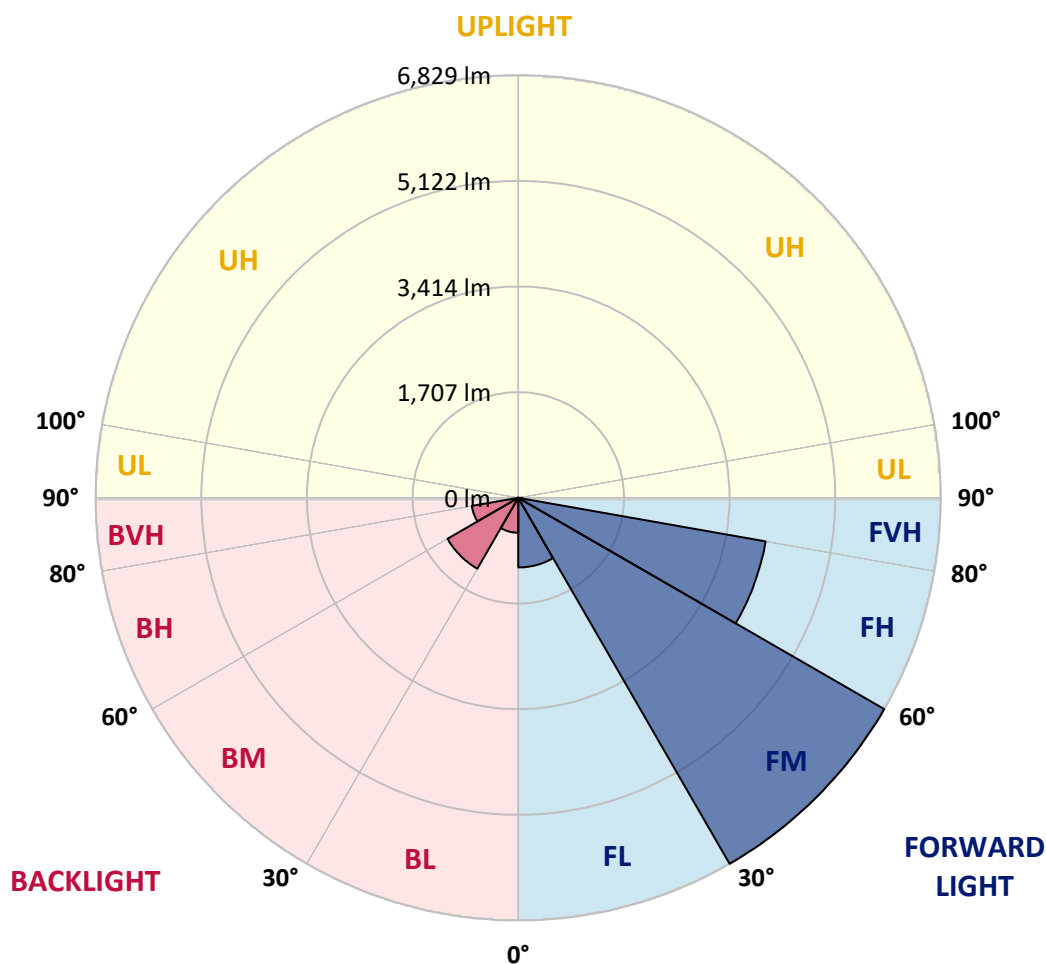
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1124.8 | 7.6       |                         |      |         |
| FM   | (30°-60°)   | 6828.8 | 46.3      |                         |      |         |
| FH   | (60°-80°)   | 4059.2 | 27.5      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 60.4   | 0.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 564.1  | 3.8       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1321.7 | 9.0       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 762.3  | 5.2       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 22.7   | 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°    | 2442.6 | 2442.6 | 2442.6 | 2442.6 | 2442.6 | 2442.6 | 2442.6 | 2442.6  | 2442.6  | 2442.6  |
| 2.5°  | 2581.6 | 2596.5 | 2588.0 | 2583.8 | 2576.3 | 2565.7 | 2557.2 | 2530.7  | 2503.1  | 2485.0  |
| 5°    | 2633.7 | 2648.5 | 2647.5 | 2651.7 | 2657.0 | 2660.2 | 2658.1 | 2628.3  | 2589.1  | 2558.3  |
| 7.5°  | 2589.1 | 2606.1 | 2619.9 | 2641.1 | 2678.2 | 2717.5 | 2736.6 | 2730.3  | 2689.9  | 2647.5  |
| 10°   | 2462.8 | 2480.8 | 2513.7 | 2563.6 | 2642.1 | 2727.1 | 2798.2 | 2831.1  | 2805.6  | 2758.9  |
| 12.5° | 2231.3 | 2249.4 | 2314.1 | 2422.4 | 2554.0 | 2701.6 | 2837.5 | 2925.6  | 2931.9  | 2885.2  |
| 15°   | 1971.3 | 1989.3 | 2058.3 | 2194.2 | 2394.8 | 2631.5 | 2858.7 | 3025.4  | 3081.6  | 3041.3  |
| 17.5° | 1809.9 | 1825.8 | 1877.8 | 1987.2 | 2196.3 | 2491.4 | 2851.3 | 3131.5  | 3260.0  | 3228.1  |
| 20°   | 1761.1 | 1774.9 | 1799.3 | 1875.7 | 2049.8 | 2346.0 | 2802.4 | 3231.3  | 3452.1  | 3434.1  |
| 22.5° | 1813.1 | 1825.8 | 1833.3 | 1867.2 | 1976.6 | 2250.4 | 2740.9 | 3333.2  | 3675.0  | 3677.1  |
| 25°   | 1933.0 | 1945.8 | 1937.3 | 1958.5 | 2006.3 | 2220.7 | 2717.5 | 3453.2  | 3955.3  | 3978.6  |
| 27.5° | 2130.5 | 2131.6 | 2111.4 | 2110.3 | 2117.8 | 2265.3 | 2741.9 | 3581.6  | 4308.8  | 4352.3  |
| 30°   | 2526.4 | 2510.5 | 2433.0 | 2349.2 | 2311.0 | 2399.1 | 2809.9 | 3733.4  | 4725.9  | 4803.4  |
| 32.5° | 3136.8 | 3113.5 | 2971.2 | 2770.6 | 2568.9 | 2614.5 | 2931.9 | 3906.4  | 5180.3  | 5320.4  |
| 35°   | 3799.2 | 3792.8 | 3644.2 | 3345.9 | 2993.5 | 2921.3 | 3130.5 | 4133.6  | 5676.0  | 5898.9  |
| 37.5° | 4414.9 | 4411.7 | 4326.8 | 3975.4 | 3546.6 | 3349.1 | 3448.9 | 4430.8  | 6206.8  | 6529.5  |
| 40°   | 4977.5 | 4987.1 | 4902.1 | 4587.9 | 4155.9 | 3897.9 | 3882.0 | 4798.1  | 6797.0  | 7216.3  |
| 42.5° | 5463.7 | 5474.3 | 5388.3 | 5155.9 | 4757.8 | 4505.1 | 4413.8 | 5248.2  | 7373.4  | 7954.0  |
| 45°   | 5793.8 | 5859.6 | 5846.9 | 5661.1 | 5375.6 | 5113.4 | 5052.9 | 5812.9  | 8030.5  | 8736.4  |
| 47.5° | 5887.2 | 5947.8 | 6043.3 | 6068.8 | 5894.7 | 5636.7 | 5708.9 | 6493.4  | 8695.0  | 9519.8  |
| 50°   | 5656.9 | 5713.2 | 5911.7 | 6176.0 | 6297.0 | 6217.4 | 6346.9 | 7222.7  | 9375.4  | 10301.1 |
| 52.5° | 5202.6 | 5259.9 | 5510.4 | 5928.6 | 6422.3 | 6672.8 | 6987.0 | 7941.3  | 10034.6 | 11041.0 |
| 55°   | 4545.5 | 4606.0 | 4927.6 | 5401.1 | 6183.4 | 6860.7 | 7520.9 | 8658.9  | 10638.7 | 11706.6 |
| 57.5° | 3651.7 | 3696.2 | 4030.6 | 4693.0 | 5582.6 | 6673.8 | 7914.8 | 9442.3  | 11207.6 | 12360.5 |
| 60°   | 2380.0 | 2419.2 | 2807.7 | 3546.6 | 4586.9 | 6049.7 | 7993.3 | 10316.0 | 11963.4 | 13210.7 |
| 62.5° | 1582.7 | 1609.3 | 1839.6 | 2382.1 | 3230.2 | 4851.2 | 7533.7 | 11013.4 | 13071.7 | 14690.5 |
| 65°   | 1085.9 | 1112.5 | 1342.8 | 1720.7 | 2087.0 | 3209.0 | 6212.1 | 10921.0 | 14075.9 | 15865.6 |
| 67.5° | 774.9  | 797.2  | 992.5  | 1349.2 | 1510.6 | 1864.0 | 4211.1 | 9740.6  | 13931.5 | 15910.2 |
| 70°   | 555.2  | 567.9  | 729.3  | 1050.9 | 1200.6 | 1119.9 | 2341.7 | 7449.8  | 12198.0 | 14691.6 |
| 72.5° | 388.5  | 392.8  | 506.4  | 800.4  | 967.1  | 817.4  | 1114.6 | 4966.9  | 9225.8  | 11531.4 |
| 75°   | 263.3  | 268.6  | 340.8  | 587.0  | 776.0  | 624.2  | 590.2  | 2663.4  | 5415.9  | 6383.0  |
| 77.5° | 161.4  | 163.5  | 219.7  | 401.3  | 580.7  | 475.6  | 380.0  | 1128.4  | 2095.5  | 2057.2  |
| 80°   | 91.3   | 91.3   | 140.1  | 249.5  | 396.0  | 306.8  | 266.4  | 479.8   | 663.5   | 582.8   |
| 82.5° | 51.0   | 52.0   | 101.9  | 155.0  | 262.2  | 181.5  | 146.5  | 221.9   | 286.6   | 253.7   |
| 85°   | 21.2   | 23.4   | 62.6   | 73.2   | 125.3  | 90.2   | 59.4   | 93.4    | 106.2   | 94.5    |
| 87.5° | 2.1    | 3.2    | 19.1   | 13.8   | 14.9   | 18.0   | 8.5    | 18.0    | 14.9    | 14.9    |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2442.6  | 0°    | 2442.6  | 2442.6 | 2442.6 | 2442.6 | 2442.6 | 2442.6 | 2442.6 | 2442.6 | 2442.6 | 2442.6 |
| 2478.7  | 2.5°  | 2458.5  | 2442.6 | 2402.2 | 2355.5 | 2294.0 | 2264.2 | 2223.9 | 2196.3 | 2173.0 | 2175.1 |
| 2540.2  | 5°    | 2506.3  | 2465.9 | 2375.7 | 2263.2 | 2123.1 | 2023.3 | 1917.1 | 1843.9 | 1784.4 | 1771.7 |
| 2625.2  | 7.5°  | 2572.1  | 2508.4 | 2350.2 | 2147.5 | 1910.8 | 1731.4 | 1571.1 | 1468.1 | 1394.9 | 1371.5 |
| 2728.1  | 10°   | 2657.0  | 2564.7 | 2317.3 | 2002.0 | 1661.3 | 1433.1 | 1261.1 | 1180.4 | 1130.5 | 1113.5 |
| 2849.1  | 12.5° | 2755.7  | 2629.4 | 2273.8 | 1824.8 | 1404.4 | 1184.7 | 1075.3 | 1035.0 | 1019.1 | 1013.8 |
| 2997.8  | 15°   | 2879.9  | 2710.1 | 2208.0 | 1614.6 | 1186.8 | 1032.9 | 986.2  | 980.9  | 983.0  | 980.9  |
| 3176.1  | 17.5° | 3027.5  | 2798.2 | 2100.8 | 1398.0 | 1040.3 | 955.4  | 938.4  | 942.6  | 947.9  | 946.9  |
| 3375.7  | 20°   | 3188.8  | 2885.2 | 1963.8 | 1205.9 | 940.5  | 900.2  | 890.6  | 894.9  | 899.1  | 897.0  |
| 3606.0  | 22.5° | 3372.5  | 2978.7 | 1812.0 | 1056.2 | 873.6  | 849.2  | 838.6  | 839.7  | 839.7  | 835.4  |
| 3897.9  | 25°   | 3592.2  | 3081.6 | 1652.8 | 950.1  | 822.7  | 803.6  | 790.8  | 786.6  | 780.2  | 767.5  |
| 4252.5  | 27.5° | 3854.4  | 3191.0 | 1499.9 | 875.8  | 782.3  | 764.3  | 749.4  | 738.8  | 722.9  | 701.7  |
| 4678.2  | 30°   | 4149.5  | 3323.7 | 1370.4 | 829.1  | 750.5  | 732.5  | 715.5  | 699.5  | 676.2  | 649.7  |
| 5167.5  | 32.5° | 4496.6  | 3465.9 | 1276.0 | 798.3  | 721.8  | 702.7  | 682.6  | 663.5  | 638.0  | 611.4  |
| 5717.4  | 35°   | 4910.6  | 3637.9 | 1220.8 | 777.0  | 699.5  | 674.1  | 651.8  | 630.5  | 611.4  | 588.1  |
| 6315.0  | 37.5° | 5359.7  | 3820.4 | 1203.8 | 766.4  | 684.7  | 645.4  | 619.9  | 605.1  | 602.9  | 589.1  |
| 6961.5  | 40°   | 5851.2  | 4037.0 | 1216.5 | 760.1  | 668.8  | 617.8  | 590.2  | 587.0  | 592.3  | 567.9  |
| 7652.6  | 42.5° | 6371.3  | 4293.9 | 1237.7 | 752.6  | 646.5  | 590.2  | 563.7  | 563.7  | 559.4  | 525.5  |
| 8382.9  | 45°   | 6933.9  | 4590.1 | 1259.0 | 734.6  | 619.9  | 562.6  | 542.4  | 535.0  | 517.0  | 484.1  |
| 9117.5  | 47.5° | 7500.8  | 4891.5 | 1274.9 | 701.7  | 588.1  | 539.3  | 521.2  | 504.2  | 477.7  | 448.0  |
| 9838.3  | 50°   | 8039.0  | 5162.2 | 1257.9 | 652.8  | 552.0  | 517.0  | 497.9  | 474.5  | 445.8  | 425.7  |
| 10520.8 | 52.5° | 8519.8  | 5396.8 | 1185.7 | 595.5  | 513.8  | 493.6  | 476.6  | 452.2  | 428.9  | 407.6  |
| 11136.5 | 55°   | 8938.1  | 5586.8 | 1058.3 | 541.4  | 479.8  | 473.4  | 456.5  | 425.7  | 393.8  | 375.8  |
| 11746.9 | 57.5° | 9339.3  | 5731.2 | 899.1  | 496.8  | 449.0  | 451.2  | 425.7  | 398.1  | 368.4  | 349.2  |
| 12569.6 | 60°   | 9873.3  | 5924.4 | 737.8  | 455.4  | 416.1  | 422.5  | 394.9  | 374.7  | 337.6  | 313.2  |
| 13980.4 | 62.5° | 10726.8 | 6224.8 | 586.0  | 404.4  | 377.9  | 380.0  | 368.4  | 343.9  | 299.4  | 270.7  |
| 15026.0 | 65°   | 11404.0 | 6114.4 | 461.8  | 349.2  | 334.4  | 337.6  | 337.6  | 311.0  | 263.3  | 230.4  |
| 15082.2 | 67.5° | 11327.6 | 5235.5 | 368.4  | 295.1  | 293.0  | 295.1  | 302.5  | 280.2  | 233.5  | 207.0  |
| 13933.7 | 70°   | 10434.8 | 4164.4 | 295.1  | 245.2  | 254.8  | 249.5  | 270.7  | 255.8  | 210.2  | 183.6  |
| 10802.1 | 72.5° | 8514.5  | 2999.9 | 225.0  | 202.8  | 195.3  | 203.8  | 244.2  | 230.4  | 175.2  | 145.4  |
| 5721.6  | 75°   | 4975.4  | 1600.8 | 167.7  | 160.3  | 141.2  | 169.8  | 216.6  | 196.4  | 133.8  | 107.2  |
| 1753.6  | 77.5° | 1619.9  | 558.4  | 123.1  | 117.8  | 105.1  | 136.9  | 184.7  | 165.6  | 109.3  | 84.9   |
| 513.8   | 80°   | 434.2   | 168.8  | 83.9   | 77.5   | 67.9   | 101.9  | 146.5  | 131.6  | 78.6   | 55.2   |
| 220.8   | 82.5° | 174.1   | 71.1   | 48.8   | 43.5   | 37.2   | 70.1   | 115.7  | 106.2  | 58.4   | 35.0   |
| 69.0    | 85°   | 56.3    | 23.4   | 18.0   | 13.8   | 17.0   | 43.5   | 69.0   | 72.2   | 41.4   | 18.0   |
| 10.6    | 87.5° | 7.4     | 3.2    | 3.2    | 4.2    | 3.2    | 7.4    | 21.2   | 20.2   | 11.7   | 2.1    |
| 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°   |
|--------|
| 2442.6 |
| 2153.8 |
| 1743.0 |
| 1348.1 |
| 1100.8 |
| 1010.6 |
| 979.8  |
| 944.8  |
| 895.9  |
| 833.3  |
| 765.4  |
| 699.5  |
| 647.5  |
| 612.5  |
| 586.0  |
| 588.1  |
| 569.0  |
| 525.5  |
| 483.0  |
| 446.9  |
| 422.5  |
| 405.5  |
| 373.7  |
| 347.1  |
| 310.0  |
| 268.6  |
| 227.2  |
| 202.8  |
| 180.5  |
| 142.2  |
| 104.0  |
| 81.7   |
| 54.1   |
| 35.0   |
| 13.8   |
| 0.0    |
| 0.0    |