

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: P946765

Luminaire Tested: **GLAN-SB2B-827-U-AFL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P946765  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2B-827-U-AFL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS  
Light Source: -  
Ballast/Driver: -

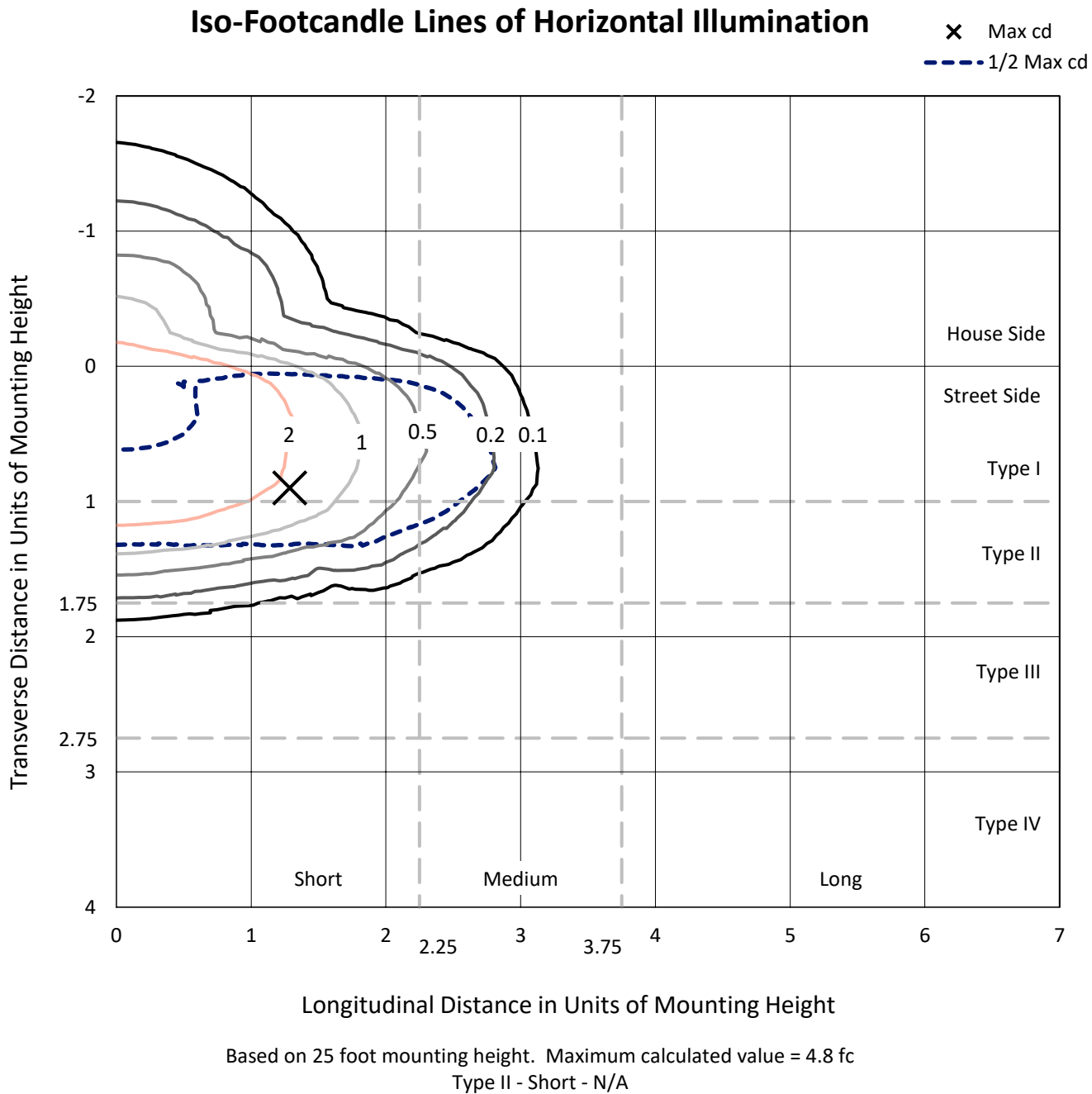
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9959 lumens  
Efficiency: N/A  
Efficacy: 134.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1

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

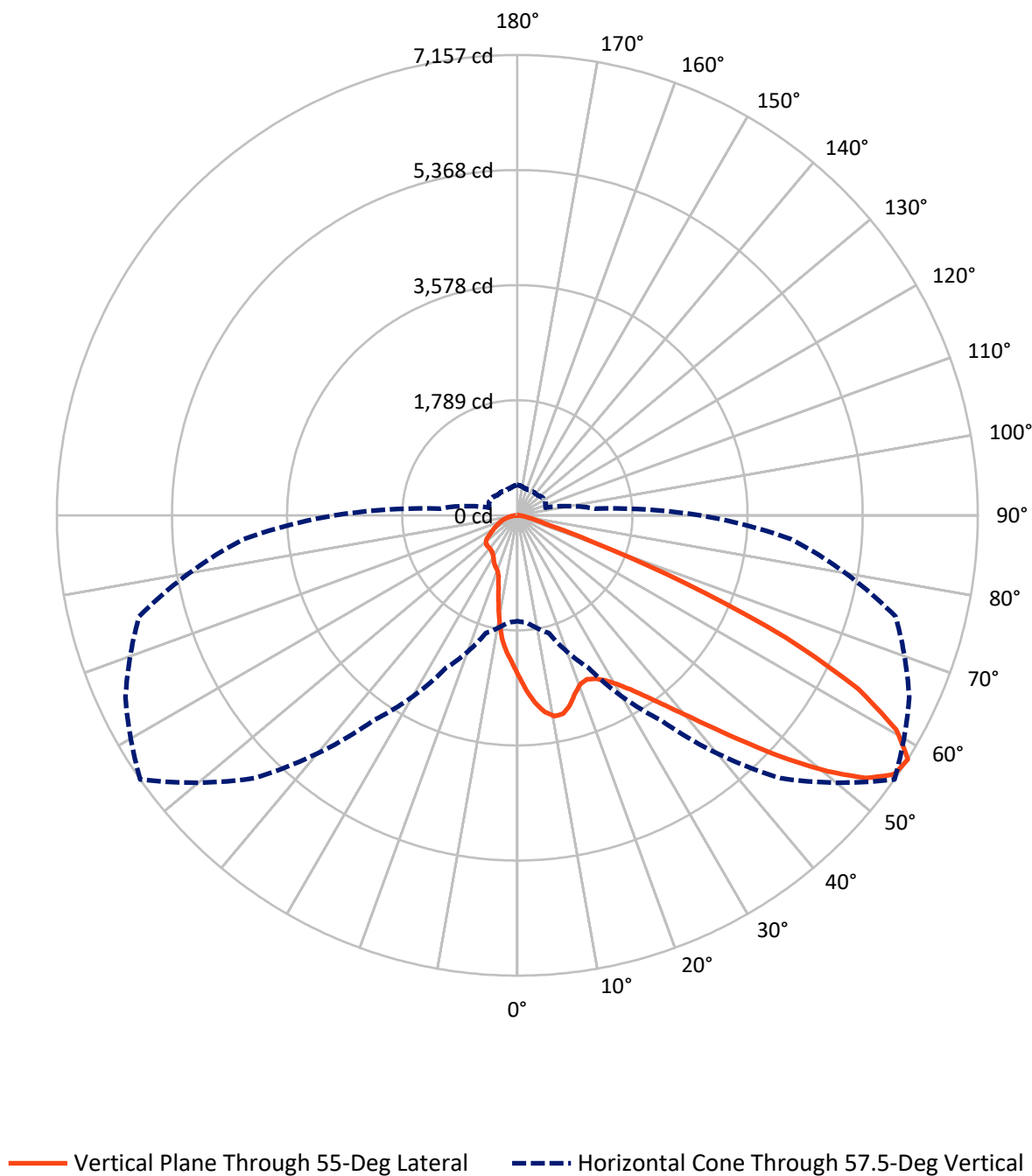


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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1802.0   | 0.0    | 1802.0 |
|                    | % Fixture | 18.1     | 0.0    | 18.1   |
| <b>Street Side</b> | Lumens    | 8157.0   | 0.0    | 8157.0 |
|                    | % Fixture | 81.9     | 0.0    | 81.9   |
| <b>Total</b>       | Lumens    | 9959.0   | 0.0    | 9959.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 231.6  | 2.3       |
| 10°-20°   | 584.5  | 5.9       |
| 20°-30°   | 932.6  | 9.4       |
| 30°-40°   | 1476.6 | 14.8      |
| 40°-50°   | 2260.1 | 22.7      |
| 50°-60°   | 2420.8 | 24.3      |
| 60°-70°   | 1522.9 | 15.3      |
| 70°-80°   | 450.4  | 4.5       |
| 80°-90°   | 79.6   | 0.8       |
| 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°    | 9959.0 | 100.0     |
| 0°-180°   | 9959.0 | 100.0     |

**Coefficient of Utilization**



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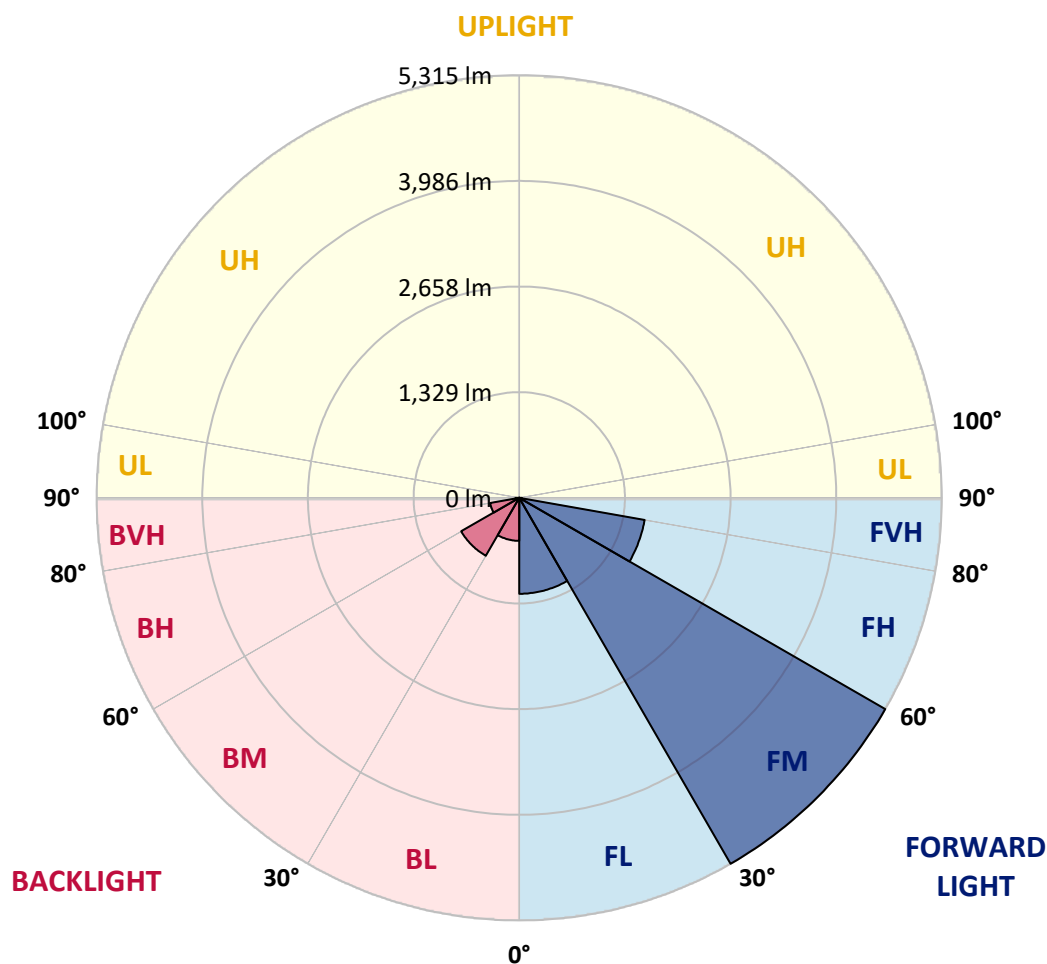
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1207.0 | 12.1      |                         |      |         |
| FM   | (30°-60°)   | 5315.2 | 53.4      |                         |      |         |
| FH   | (60°-80°)   | 1601.1 | 16.1      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 33.6   | 0.3       |                         |      | G1/100  |
| BL   | (0°-30°)    | 541.6  | 5.4       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 842.3  | 8.5       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 372.2  | 3.7       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 46.0   | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G1**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2495.4 | 2495.4 | 2495.4 | 2495.4 | 2495.4 | 2495.4 | 2495.4 | 2495.4 | 2495.4 | 2495.4 |
| 2.5°  | 2863.0 | 2860.9 | 2872.3 | 2833.6 | 2807.4 | 2771.9 | 2725.0 | 2665.3 | 2600.9 | 2533.0 |
| 5°    | 3120.9 | 3102.9 | 3114.7 | 3085.9 | 3057.1 | 3003.5 | 2934.0 | 2836.7 | 2717.8 | 2582.4 |
| 7.5°  | 3080.3 | 3067.9 | 3098.3 | 3124.0 | 3145.6 | 3138.9 | 3088.0 | 2986.0 | 2832.6 | 2636.0 |
| 10°   | 2752.3 | 2738.4 | 2781.1 | 2870.2 | 3001.0 | 3114.7 | 3176.5 | 3113.2 | 2950.0 | 2694.6 |
| 12.5° | 2463.0 | 2456.3 | 2484.6 | 2556.7 | 2701.9 | 2920.1 | 3165.2 | 3224.4 | 3072.0 | 2764.1 |
| 15°   | 2339.4 | 2331.2 | 2349.2 | 2385.7 | 2478.4 | 2681.8 | 3062.2 | 3300.6 | 3192.0 | 2844.5 |
| 17.5° | 2312.1 | 2302.9 | 2310.6 | 2329.6 | 2389.3 | 2544.3 | 2906.8 | 3338.2 | 3317.1 | 2934.0 |
| 20°   | 2362.6 | 2354.9 | 2355.9 | 2354.9 | 2396.6 | 2519.6 | 2798.6 | 3323.8 | 3426.2 | 3016.4 |
| 22.5° | 2484.6 | 2471.7 | 2472.2 | 2444.9 | 2467.6 | 2562.8 | 2770.3 | 3285.2 | 3523.5 | 3088.5 |
| 25°   | 2683.3 | 2660.1 | 2664.8 | 2595.3 | 2589.1 | 2659.6 | 2814.6 | 3255.3 | 3620.3 | 3146.2 |
| 27.5° | 2955.1 | 2928.9 | 2915.0 | 2811.5 | 2762.1 | 2797.1 | 2904.7 | 3265.6 | 3712.0 | 3196.1 |
| 30°   | 3294.9 | 3263.0 | 3234.7 | 3088.0 | 2998.4 | 2985.5 | 3044.7 | 3333.6 | 3820.1 | 3248.6 |
| 32.5° | 3711.4 | 3674.4 | 3622.9 | 3428.3 | 3302.1 | 3234.7 | 3226.0 | 3454.5 | 3946.7 | 3315.5 |
| 35°   | 4207.2 | 4158.8 | 4085.7 | 3834.0 | 3674.4 | 3536.4 | 3464.8 | 3629.1 | 4120.2 | 3416.4 |
| 37.5° | 4717.9 | 4663.4 | 4596.4 | 4296.8 | 4100.7 | 3897.3 | 3756.2 | 3865.9 | 4351.4 | 3553.4 |
| 40°   | 5189.0 | 5127.8 | 5065.5 | 4798.8 | 4588.2 | 4343.1 | 4113.0 | 4165.5 | 4634.0 | 3717.1 |
| 42.5° | 5467.0 | 5421.7 | 5398.0 | 5253.9 | 5091.2 | 4842.5 | 4556.8 | 4520.8 | 4951.7 | 3905.5 |
| 45°   | 5454.7 | 5436.1 | 5509.2 | 5569.0 | 5530.4 | 5392.4 | 5076.8 | 4913.6 | 5270.4 | 4068.7 |
| 47.5° | 5163.3 | 5175.6 | 5338.8 | 5674.5 | 5822.3 | 5894.3 | 5668.8 | 5299.2 | 5547.3 | 4190.8 |
| 50°   | 4370.4 | 4380.7 | 4758.6 | 5482.5 | 5897.4 | 6303.6 | 6256.3 | 5675.5 | 5762.0 | 4265.4 |
| 52.5° | 3742.8 | 3749.5 | 3911.7 | 4913.1 | 5649.3 | 6509.6 | 6785.5 | 6030.3 | 5919.1 | 4286.0 |
| 55°   | 2819.2 | 2842.4 | 3024.1 | 3854.6 | 5003.7 | 6346.4 | 7107.8 | 6395.8 | 6018.4 | 4288.1 |
| 57.5° | 1647.0 | 1672.2 | 1896.6 | 2616.4 | 3889.1 | 5777.5 | 7156.7 | 6720.1 | 6085.9 | 4271.6 |
| 60°   | 806.7  | 817.6  | 915.4  | 1375.1 | 2398.1 | 4681.4 | 6763.4 | 6877.2 | 6123.4 | 4262.8 |
| 62.5° | 543.7  | 542.1  | 546.2  | 678.6  | 1181.5 | 3007.7 | 5943.8 | 6602.2 | 6103.4 | 4229.4 |
| 65°   | 467.5  | 461.8  | 446.4  | 476.2  | 612.1  | 1375.6 | 4592.3 | 5781.6 | 5950.5 | 4145.4 |
| 67.5° | 404.1  | 404.7  | 405.2  | 395.9  | 437.1  | 634.8  | 2806.4 | 4554.2 | 5401.6 | 3748.0 |
| 70°   | 334.6  | 339.3  | 341.3  | 341.3  | 356.3  | 416.5  | 1198.0 | 3121.4 | 4260.8 | 2938.7 |
| 72.5° | 304.8  | 295.0  | 296.0  | 290.9  | 290.9  | 317.1  | 482.4  | 1769.5 | 2684.3 | 1653.1 |
| 75°   | 248.7  | 254.8  | 255.9  | 252.3  | 240.4  | 242.0  | 286.2  | 742.4  | 1148.6 | 685.8  |
| 77.5° | 214.7  | 214.7  | 216.7  | 214.2  | 204.9  | 181.2  | 191.0  | 287.8  | 390.8  | 281.1  |
| 80°   | 172.5  | 172.0  | 180.7  | 185.9  | 171.4  | 133.9  | 122.0  | 159.1  | 173.5  | 123.6  |
| 82.5° | 83.9   | 89.1   | 124.1  | 141.6  | 130.3  | 96.8   | 74.7   | 98.8   | 92.7   | 54.6   |
| 85°   | 48.9   | 46.3   | 55.6   | 78.8   | 74.7   | 53.5   | 36.0   | 51.5   | 48.4   | 27.8   |
| 87.5° | 15.4   | 14.4   | 11.3   | 26.8   | 21.6   | 14.9   | 9.8    | 14.9   | 13.4   | 6.2    |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2495.4 | 0°    | 2495.4 | 2495.4 | 2495.4 | 2495.4 | 2495.4 | 2495.4 | 2495.4 | 2495.4 | 2495.4 | 2495.4 |
| 2503.6 | 2.5°  | 2467.1 | 2406.3 | 2346.1 | 2291.0 | 2257.5 | 2235.9 | 2214.3 | 2190.1 | 2180.8 | 2166.9 |
| 2510.3 | 5°    | 2442.4 | 2325.0 | 2220.5 | 2130.4 | 2048.5 | 1984.2 | 1919.3 | 1866.8 | 1843.1 | 1859.1 |
| 2531.4 | 7.5°  | 2428.0 | 2258.1 | 2096.9 | 1931.7 | 1772.6 | 1645.4 | 1534.7 | 1457.0 | 1422.0 | 1430.7 |
| 2552.0 | 10°   | 2415.1 | 2182.4 | 1936.8 | 1675.8 | 1447.2 | 1289.7 | 1176.4 | 1117.2 | 1095.1 | 1099.7 |
| 2579.8 | 12.5° | 2403.2 | 2097.4 | 1743.7 | 1400.3 | 1157.3 | 1053.4 | 1020.9 | 1021.4 | 1025.6 | 1028.6 |
| 2624.1 | 15°   | 2401.2 | 1995.0 | 1528.0 | 1159.4 | 1000.8 | 994.1  | 1029.2 | 1051.3 | 1063.1 | 1066.7 |
| 2661.2 | 17.5° | 2398.1 | 1872.5 | 1308.2 | 995.2  | 962.7  | 1008.0 | 1040.5 | 1054.9 | 1064.2 | 1064.7 |
| 2697.2 | 20°   | 2385.7 | 1717.0 | 1105.3 | 916.9  | 954.5  | 993.6  | 1013.7 | 1025.0 | 1032.8 | 1035.3 |
| 2724.5 | 22.5° | 2347.6 | 1544.0 | 947.3  | 881.9  | 921.6  | 953.0  | 976.6  | 989.5  | 994.1  | 997.2  |
| 2729.7 | 25°   | 2279.2 | 1350.4 | 838.2  | 848.4  | 875.7  | 915.4  | 934.4  | 937.0  | 935.5  | 940.1  |
| 2716.8 | 27.5° | 2189.6 | 1142.9 | 770.2  | 803.1  | 838.2  | 872.1  | 882.4  | 880.9  | 877.8  | 882.9  |
| 2694.6 | 30°   | 2081.5 | 956.6  | 726.9  | 752.2  | 800.1  | 830.9  | 840.2  | 836.6  | 830.4  | 836.1  |
| 2683.3 | 32.5° | 1967.2 | 804.2  | 691.4  | 716.6  | 768.6  | 799.0  | 808.3  | 804.7  | 800.1  | 804.7  |
| 2696.2 | 35°   | 1860.6 | 697.6  | 658.5  | 693.0  | 743.9  | 773.8  | 785.6  | 786.2  | 786.2  | 791.8  |
| 2730.2 | 37.5° | 1762.8 | 635.3  | 631.2  | 678.0  | 726.9  | 753.7  | 770.7  | 771.7  | 749.6  | 751.1  |
| 2787.8 | 40°   | 1672.2 | 609.0  | 618.8  | 668.3  | 710.5  | 736.2  | 737.2  | 679.6  | 638.9  | 637.9  |
| 2853.7 | 42.5° | 1598.0 | 603.9  | 622.4  | 667.2  | 698.6  | 699.7  | 627.1  | 582.3  | 571.0  | 571.5  |
| 2914.5 | 45°   | 1528.5 | 602.4  | 630.7  | 667.2  | 681.1  | 604.4  | 555.5  | 543.7  | 544.7  | 548.8  |
| 2941.8 | 47.5° | 1450.8 | 596.2  | 632.2  | 658.0  | 630.7  | 537.5  | 523.1  | 517.9  | 515.9  | 516.9  |
| 2935.6 | 50°   | 1365.9 | 574.0  | 612.7  | 639.4  | 544.2  | 508.7  | 490.6  | 489.1  | 491.7  | 493.2  |
| 2901.1 | 52.5° | 1276.3 | 538.0  | 579.2  | 606.0  | 504.5  | 483.4  | 463.4  | 467.0  | 478.3  | 481.9  |
| 2865.1 | 55°   | 1217.6 | 495.8  | 534.9  | 539.0  | 476.7  | 459.7  | 442.8  | 451.0  | 472.1  | 478.8  |
| 2843.4 | 57.5° | 1202.1 | 451.0  | 484.5  | 479.8  | 441.2  | 439.2  | 428.9  | 436.1  | 462.8  | 472.6  |
| 2842.4 | 60°   | 1197.5 | 410.8  | 435.0  | 431.4  | 406.7  | 416.5  | 413.9  | 417.5  | 426.8  | 429.9  |
| 2832.1 | 62.5° | 1161.5 | 378.9  | 390.8  | 385.6  | 375.8  | 392.8  | 399.0  | 391.3  | 398.5  | 402.1  |
| 2761.6 | 65°   | 1069.8 | 353.2  | 347.5  | 343.9  | 348.0  | 363.5  | 375.8  | 360.4  | 367.1  | 377.4  |
| 2489.7 | 67.5° | 918.5  | 318.2  | 302.7  | 306.8  | 319.7  | 327.9  | 343.9  | 326.4  | 332.1  | 349.6  |
| 2005.3 | 70°   | 742.9  | 273.9  | 260.0  | 271.8  | 284.2  | 301.2  | 303.8  | 291.9  | 305.3  | 324.9  |
| 1223.8 | 72.5° | 525.6  | 229.1  | 219.3  | 243.5  | 247.6  | 269.8  | 264.1  | 258.4  | 277.0  | 283.7  |
| 604.9  | 75°   | 364.5  | 184.8  | 179.2  | 197.7  | 212.6  | 231.7  | 227.6  | 234.2  | 273.4  | 276.5  |
| 302.2  | 77.5° | 230.6  | 143.6  | 140.0  | 151.9  | 172.5  | 193.6  | 200.3  | 276.5  | 467.0  | 485.5  |
| 157.0  | 80°   | 133.9  | 107.1  | 103.0  | 112.2  | 130.3  | 149.8  | 193.1  | 339.3  | 307.9  | 304.3  |
| 70.5   | 82.5° | 74.7   | 73.6   | 68.5   | 71.0   | 87.0   | 108.1  | 272.9  | 238.9  | 194.1  | 200.3  |
| 28.3   | 85°   | 35.0   | 43.2   | 37.1   | 35.5   | 48.9   | 126.6  | 182.3  | 136.4  | 90.6   | 88.6   |
| 6.2    | 87.5° | 9.3    | 8.2    | 8.2    | 9.3    | 20.6   | 109.1  | 72.6   | 58.2   | 34.5   | 33.5   |
| 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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