

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: P950456

Luminaire Tested: **GLAN-SB4D-927-U-T4W-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950456  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4D-927-U-T4W-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19122 lumens  
Efficiency: N/A  
Efficacy: 65.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

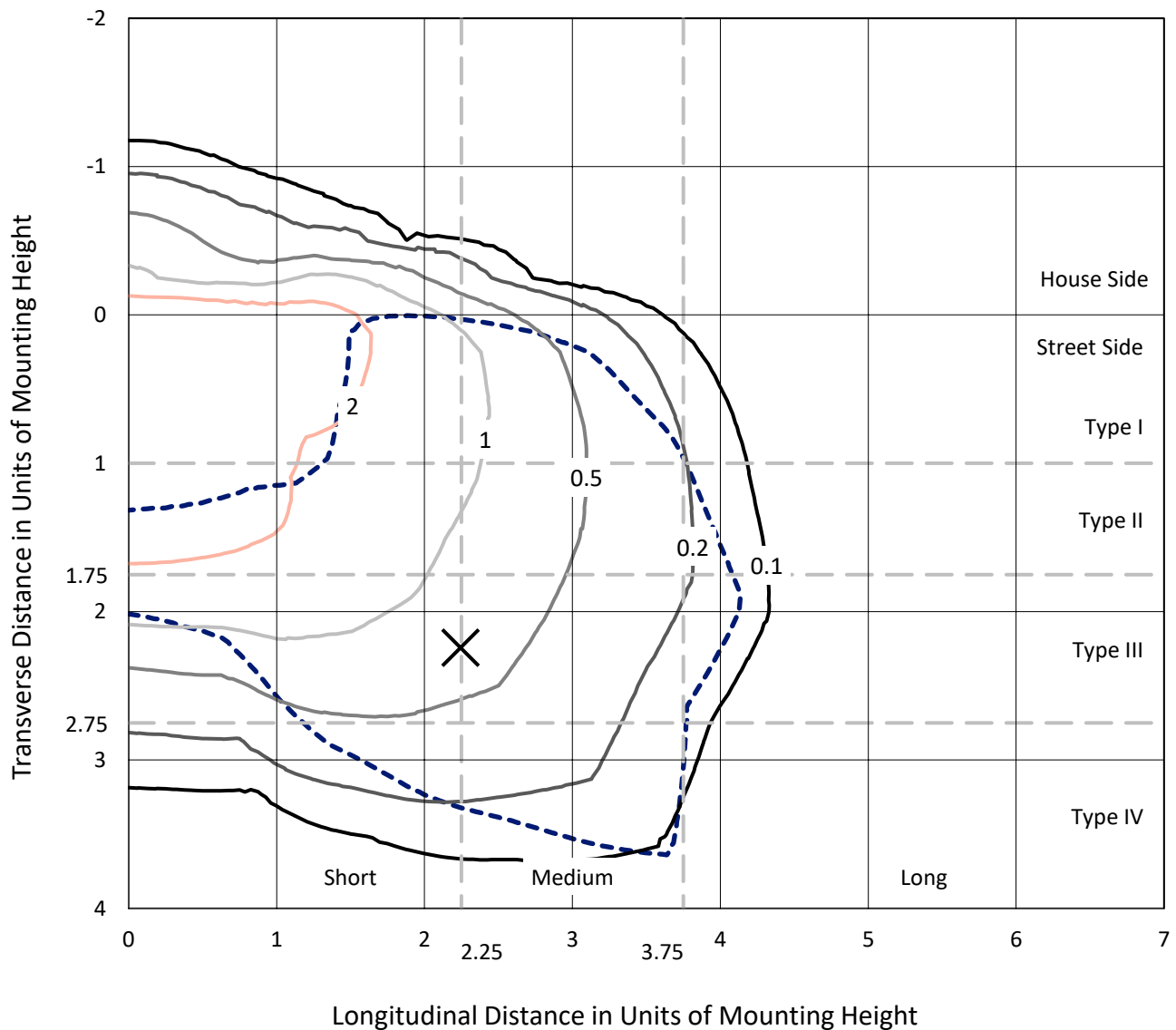
Input Watts (W): 293.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

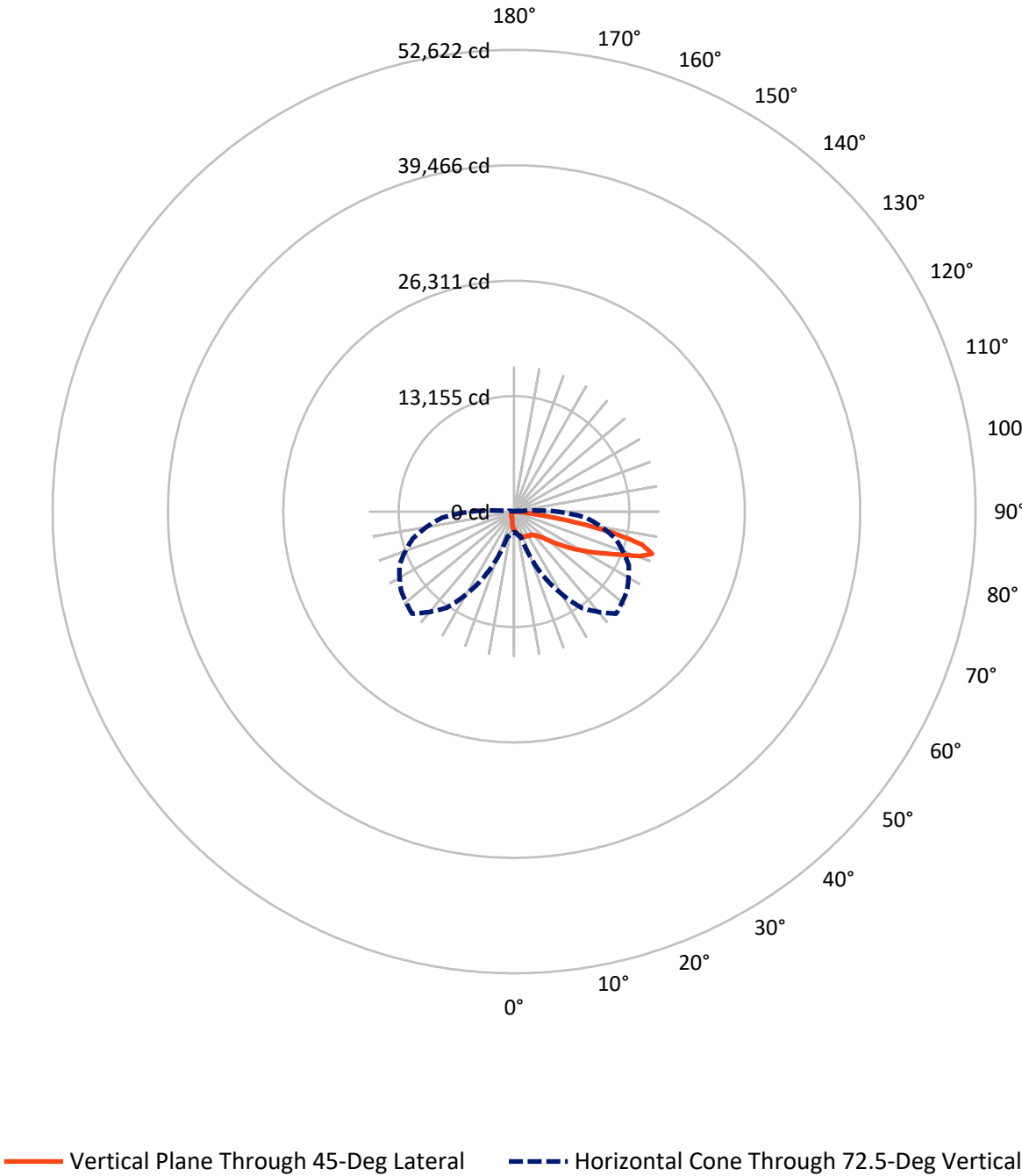
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc  
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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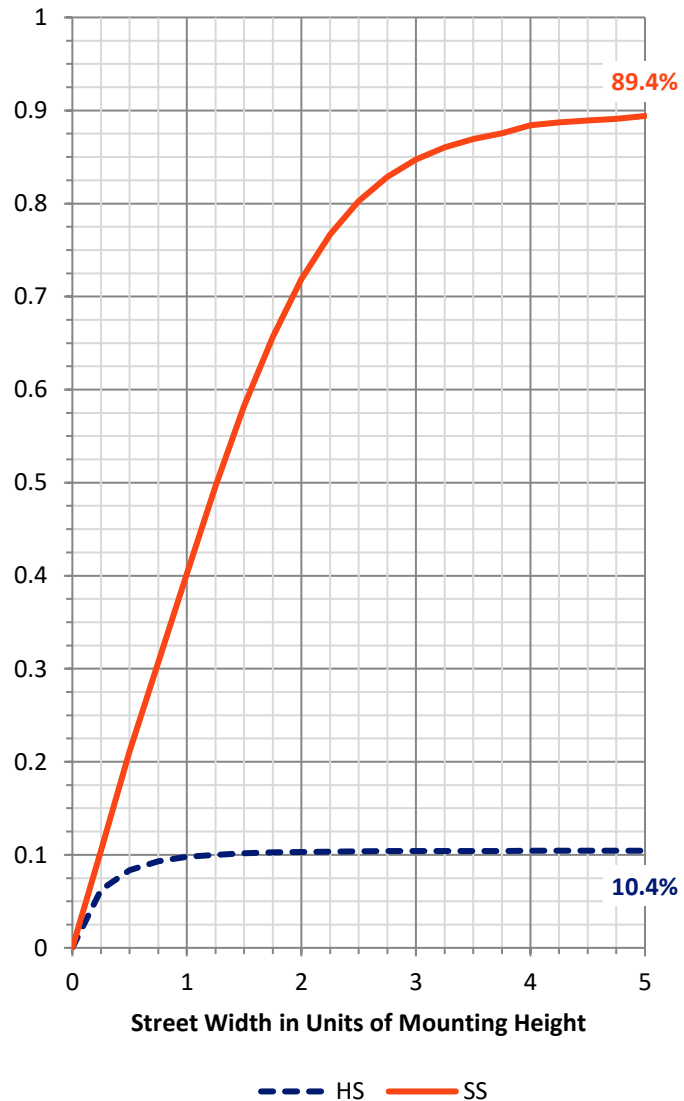
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2009.2   | 0.0    | 2009.2  |
|                    | % Fixture | 10.5     | 0.0    | 10.5    |
| <b>Street Side</b> | Lumens    | 17112.8  | 0.0    | 17112.8 |
|                    | % Fixture | 89.5     | 0.0    | 89.5    |
| <b>Total</b>       | Lumens    | 19122.0  | 0.0    | 19122.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 197.4   | 1.0       |
| 10°-20°   | 576.9   | 3.0       |
| 20°-30°   | 947.3   | 5.0       |
| 30°-40°   | 1343.5  | 7.0       |
| 40°-50°   | 2220.6  | 11.6      |
| 50°-60°   | 3989.1  | 20.9      |
| 60°-70°   | 5539.0  | 29.0      |
| 70°-80°   | 4017.8  | 21.0      |
| 80°-90°   | 290.5   | 1.5       |
| 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°    | 19122.0 | 100.0     |
| 0°-180°   | 19122.0 | 100.0     |

**Coefficient of Utilization**



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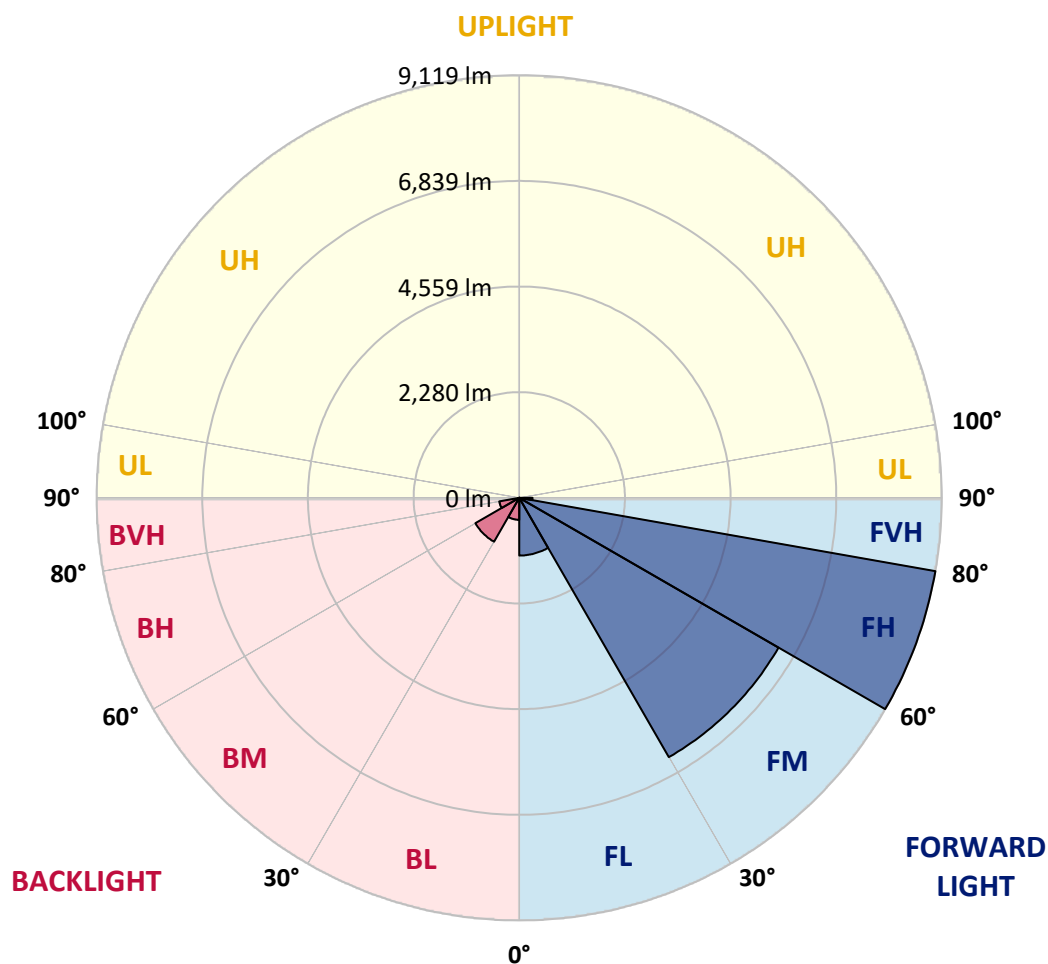
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|--------|-----------|-------------------------|------|----------|
|      |             |        |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1245.6 | 6.5       |                         |      |          |
| FM   | (30°-60°)   | 6460.4 | 33.8      |                         |      |          |
| FH   | (60°-80°)   | 9118.7 | 47.7      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 288.0  | 1.5       |                         |      | G3/500   |
| BL   | (0°-30°)    | 475.9  | 2.5       | B1/500                  |      |          |
| BM   | (30°-60°)   | 1092.7 | 5.7       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 438.1  | 2.3       | B1/500                  |      | G1/500   |
| BVH  | (80°-90°)   | 2.4    | 0.0       |                         |      | G0/10    |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |          |

**BUG Rating: B2-U0-G4**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°     | 35°     | 45°     | 46°     | 55°     | 65°     | 75°     |
|-------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 2094.9 | 2094.9 | 2094.9 | 2094.9  | 2094.9  | 2094.9  | 2094.9  | 2094.9  | 2094.9  | 2094.9  |
| 2.5°  | 2288.0 | 2291.9 | 2289.3 | 2273.7  | 2247.6  | 2233.2  | 2225.4  | 2199.3  | 2182.3  | 2152.3  |
| 5°    | 2498.2 | 2513.8 | 2504.7 | 2473.4  | 2423.8  | 2388.5  | 2378.1  | 2324.6  | 2276.3  | 2220.2  |
| 7.5°  | 2721.4 | 2729.2 | 2712.2 | 2671.8  | 2605.2  | 2545.2  | 2536.0  | 2461.6  | 2384.6  | 2298.5  |
| 10°   | 2914.5 | 2923.7 | 2897.6 | 2838.8  | 2763.1  | 2688.7  | 2675.7  | 2593.4  | 2502.1  | 2396.4  |
| 12.5° | 3076.4 | 3085.5 | 3051.6 | 2981.1  | 2897.6  | 2820.6  | 2807.5  | 2721.4  | 2620.9  | 2503.4  |
| 15°   | 3199.1 | 3216.0 | 3170.3 | 3094.6  | 3004.6  | 2927.6  | 2921.1  | 2836.2  | 2738.3  | 2607.8  |
| 17.5° | 3270.8 | 3287.8 | 3244.7 | 3153.4  | 3076.4  | 3011.1  | 3003.3  | 2932.8  | 2841.4  | 2716.1  |
| 20°   | 3282.6 | 3298.3 | 3252.6 | 3173.0  | 3109.0  | 3056.8  | 3052.9  | 3002.0  | 2935.4  | 2815.3  |
| 22.5° | 3247.4 | 3266.9 | 3225.2 | 3161.2  | 3116.8  | 3089.4  | 3084.2  | 3055.5  | 3017.6  | 2915.8  |
| 25°   | 3210.8 | 3226.5 | 3195.1 | 3139.0  | 3115.5  | 3112.9  | 3116.8  | 3111.6  | 3103.8  | 3017.6  |
| 27.5° | 3208.2 | 3225.2 | 3189.9 | 3136.4  | 3123.4  | 3150.8  | 3154.7  | 3179.5  | 3186.0  | 3110.3  |
| 30°   | 3230.4 | 3242.1 | 3208.2 | 3152.1  | 3145.5  | 3208.2  | 3209.5  | 3253.9  | 3264.3  | 3188.6  |
| 32.5° | 3278.7 | 3291.7 | 3257.8 | 3175.6  | 3166.4  | 3253.9  | 3257.8  | 3316.5  | 3333.5  | 3272.2  |
| 35°   | 3392.2 | 3407.9 | 3368.7 | 3240.8  | 3208.2  | 3297.0  | 3308.7  | 3377.9  | 3411.8  | 3360.9  |
| 37.5° | 3675.5 | 3629.8 | 3576.3 | 3372.7  | 3303.5  | 3364.8  | 3384.4  | 3465.3  | 3525.4  | 3466.6  |
| 40°   | 4379.0 | 4235.4 | 4068.3 | 3597.1  | 3470.5  | 3509.7  | 3525.4  | 3606.3  | 3688.5  | 3631.1  |
| 42.5° | 5434.9 | 5265.2 | 4996.3 | 4114.0  | 3722.4  | 3742.0  | 3753.8  | 3824.3  | 3940.4  | 3894.7  |
| 45°   | 6375.9 | 6314.6 | 6040.5 | 4996.3  | 4193.6  | 4097.0  | 4111.4  | 4147.9  | 4318.9  | 4302.0  |
| 47.5° | 7099.0 | 7063.8 | 6852.3 | 6009.2  | 4989.8  | 4531.7  | 4572.1  | 4589.1  | 4835.8  | 4895.8  |
| 50°   | 7655.0 | 7642.0 | 7452.7 | 6909.8  | 6030.1  | 5172.5  | 5186.9  | 5150.3  | 5519.7  | 5668.5  |
| 52.5° | 8179.7 | 8224.1 | 8084.4 | 7746.4  | 7140.8  | 6011.8  | 6009.2  | 5836.9  | 6335.5  | 6560.0  |
| 55°   | 8653.5 | 8669.2 | 8683.5 | 8600.0  | 8258.0  | 6967.2  | 6942.4  | 6660.5  | 7281.7  | 7514.1  |
| 57.5° | 9098.6 | 9105.1 | 9233.0 | 9404.0  | 9421.0  | 7993.1  | 7947.4  | 7609.4  | 8315.5  | 8481.2  |
| 60°   | 9397.5 | 9427.5 | 9697.7 | 10172.8 | 10380.3 | 9051.6  | 9026.8  | 8682.2  | 9367.5  | 9444.5  |
| 62.5° | 8966.8 | 9149.5 | 9830.8 | 10773.2 | 11286.1 | 10225.0 | 10213.2 | 9889.5  | 10474.3 | 10411.6 |
| 65°   | 7258.3 | 7567.6 | 8765.8 | 11179.1 | 12175.0 | 11535.4 | 11552.4 | 11207.8 | 11611.1 | 11407.5 |
| 67.5° | 5077.3 | 5403.6 | 6821.0 | 11211.7 | 13168.2 | 13074.2 | 13172.1 | 12631.8 | 12818.4 | 12361.6 |
| 70°   | 3511.0 | 3679.4 | 4602.2 | 10509.5 | 13942.2 | 15193.9 | 15191.3 | 14380.8 | 14019.2 | 12796.2 |
| 72.5° | 2361.1 | 2448.6 | 2988.9 | 8337.7  | 13373.1 | 16453.4 | 16377.7 | 15717.3 | 14423.8 | 11967.4 |
| 75°   | 995.9  | 1059.8 | 1383.5 | 4685.7  | 10580.0 | 15052.9 | 14848.0 | 13890.0 | 12815.8 | 9423.6  |
| 77.5° | 315.9  | 343.3  | 545.6  | 1677.2  | 5827.7  | 11314.8 | 11098.2 | 8674.4  | 8589.6  | 4727.5  |
| 80°   | 150.1  | 174.9  | 306.7  | 673.5   | 2293.2  | 6154.0  | 6124.0  | 3935.2  | 3695.0  | 1276.5  |
| 82.5° | 65.3   | 77.0   | 169.7  | 360.2   | 1025.9  | 2195.4  | 2239.7  | 1339.1  | 1108.1  | 484.2   |
| 85°   | 20.9   | 27.4   | 78.3   | 165.8   | 433.3   | 545.6   | 539.1   | 318.5   | 446.4   | 263.7   |
| 87.5° | 0.0    | 0.0    | 26.1   | 37.9    | 44.4    | 31.3    | 35.2    | 27.4    | 124.0   | 73.1    |
| 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°   |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2094.9  | 0°    | 2094.9 | 2094.9 | 2094.9 | 2094.9 | 2094.9 | 2094.9 | 2094.9 | 2094.9 | 2094.9 | 2094.9 |
| 2121.0  | 2.5°  | 2105.3 | 2084.4 | 2047.9 | 2013.9 | 1983.9 | 1953.9 | 1935.6 | 1909.5 | 1906.9 | 1906.9 |
| 2154.9  | 5°    | 2119.7 | 2085.7 | 2020.5 | 1951.3 | 1871.7 | 1796.0 | 1720.3 | 1647.2 | 1623.7 | 1606.7 |
| 2209.7  | 7.5°  | 2161.4 | 2107.9 | 2004.8 | 1873.0 | 1721.6 | 1555.8 | 1439.6 | 1314.3 | 1266.0 | 1239.9 |
| 2282.8  | 10°   | 2221.5 | 2148.4 | 1991.7 | 1760.7 | 1515.3 | 1289.5 | 1123.8 | 988.0  | 935.8  | 913.6  |
| 2362.4  | 12.5° | 2288.0 | 2198.0 | 1968.3 | 1621.1 | 1289.5 | 1019.4 | 857.5  | 794.9  | 787.0  | 787.0  |
| 2457.7  | 15°   | 2367.6 | 2258.0 | 1927.8 | 1456.6 | 1053.3 | 806.6  | 749.2  | 751.8  | 759.6  | 764.9  |
| 2550.4  | 17.5° | 2449.9 | 2322.0 | 1863.8 | 1272.6 | 844.5  | 725.7  | 727.0  | 730.9  | 737.4  | 742.7  |
| 2650.9  | 20°   | 2538.6 | 2385.9 | 1779.0 | 1076.8 | 724.4  | 702.2  | 706.1  | 710.0  | 715.3  | 717.9  |
| 2744.8  | 22.5° | 2633.9 | 2446.0 | 1678.5 | 884.9  | 683.9  | 682.6  | 683.9  | 687.8  | 694.4  | 694.4  |
| 2854.5  | 25°   | 2735.7 | 2512.5 | 1563.6 | 745.3  | 663.0  | 663.0  | 665.7  | 668.3  | 673.5  | 673.5  |
| 2960.2  | 27.5° | 2840.1 | 2573.9 | 1442.3 | 672.2  | 644.8  | 643.5  | 643.5  | 647.4  | 650.0  | 651.3  |
| 3064.6  | 30°   | 2955.0 | 2645.7 | 1320.9 | 656.5  | 630.4  | 623.9  | 620.0  | 622.6  | 625.2  | 626.5  |
| 3174.3  | 32.5° | 3072.5 | 2714.8 | 1212.5 | 663.0  | 616.1  | 604.3  | 591.3  | 588.6  | 588.6  | 593.9  |
| 3287.8  | 35°   | 3203.0 | 2790.5 | 1129.0 | 685.2  | 608.2  | 575.6  | 554.7  | 543.0  | 544.3  | 552.1  |
| 3423.6  | 37.5° | 3359.6 | 2881.9 | 1067.7 | 704.8  | 603.0  | 543.0  | 509.0  | 494.7  | 485.5  | 494.7  |
| 3610.2  | 40°   | 3564.5 | 3016.3 | 1023.3 | 720.5  | 596.5  | 505.1  | 459.4  | 435.9  | 419.0  | 424.2  |
| 3900.0  | 42.5° | 3866.0 | 3227.8 | 1006.3 | 721.8  | 582.1  | 460.7  | 408.5  | 377.2  | 352.4  | 353.7  |
| 4335.9  | 45°   | 4288.9 | 3561.9 | 1093.8 | 704.8  | 550.8  | 412.4  | 355.0  | 313.2  | 297.6  | 293.7  |
| 4987.2  | 47.5° | 4868.4 | 4048.7 | 1296.1 | 669.6  | 505.1  | 365.5  | 302.8  | 267.6  | 255.8  | 249.3  |
| 5842.1  | 50°   | 5645.0 | 4673.9 | 1520.6 | 630.4  | 459.4  | 321.1  | 259.7  | 237.5  | 229.7  | 223.2  |
| 6856.2  | 52.5° | 6545.6 | 5308.3 | 1704.6 | 591.3  | 413.8  | 281.9  | 232.3  | 219.3  | 212.7  | 207.5  |
| 7835.2  | 55°   | 7371.8 | 5745.5 | 1694.2 | 549.5  | 369.4  | 250.6  | 212.7  | 204.9  | 197.1  | 191.9  |
| 8678.3  | 57.5° | 7886.1 | 5806.9 | 1396.6 | 503.8  | 318.5  | 225.8  | 194.5  | 189.3  | 180.1  | 173.6  |
| 9407.9  | 60°   | 8122.3 | 5457.1 | 978.9  | 443.8  | 267.6  | 202.3  | 174.9  | 172.3  | 160.5  | 151.4  |
| 10098.4 | 62.5° | 8165.4 | 4807.1 | 652.6  | 369.4  | 223.2  | 180.1  | 155.3  | 151.4  | 135.7  | 120.1  |
| 10659.6 | 65°   | 7990.5 | 3877.8 | 451.6  | 288.5  | 190.6  | 156.6  | 133.1  | 125.3  | 108.3  | 92.7   |
| 10792.7 | 67.5° | 7437.1 | 2722.7 | 314.6  | 207.5  | 161.8  | 124.0  | 105.7  | 103.1  | 90.1   | 77.0   |
| 10114.0 | 70°   | 6422.9 | 1551.9 | 210.1  | 155.3  | 127.9  | 84.8   | 83.5   | 86.1   | 73.1   | 62.6   |
| 8263.3  | 72.5° | 4924.5 | 710.0  | 130.5  | 113.6  | 87.4   | 57.4   | 66.6   | 67.9   | 56.1   | 47.0   |
| 5155.6  | 75°   | 2898.9 | 304.1  | 82.2   | 73.1   | 44.4   | 37.9   | 48.3   | 49.6   | 37.9   | 30.0   |
| 1884.7  | 77.5° | 986.7  | 114.9  | 52.2   | 43.1   | 22.2   | 20.9   | 31.3   | 31.3   | 20.9   | 11.7   |
| 378.5   | 80°   | 224.5  | 43.1   | 26.1   | 17.0   | 10.4   | 9.1    | 10.4   | 9.1    | 5.2    | 1.3    |
| 116.2   | 82.5° | 64.0   | 17.0   | 10.4   | 6.5    | 3.9    | 3.9    | 1.3    | 0.0    | 0.0    | 0.0    |
| 40.5    | 85°   | 18.3   | 7.8    | 2.6    | 2.6    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 14.4    | 87.5° | 7.8    | 1.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 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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| 180°   |
|--------|
| 2094.9 |
| 1913.4 |
| 1614.5 |
| 1243.9 |
| 913.6  |
| 787.0  |
| 764.9  |
| 742.7  |
| 719.2  |
| 697.0  |
| 674.8  |
| 652.6  |
| 629.1  |
| 597.8  |
| 556.0  |
| 492.1  |
| 421.6  |
| 348.5  |
| 288.5  |
| 245.4  |
| 221.9  |
| 206.2  |
| 189.3  |
| 172.3  |
| 148.8  |
| 112.2  |
| 87.4   |
| 73.1   |
| 57.4   |
| 41.8   |
| 26.1   |
| 9.1    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |