

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: P940734

Luminaire Tested: **GLAN-SB3D-940-U-T2-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940734  
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-SB3D-940-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 4000K, 900mA 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: 16156 lumens  
Efficiency: N/A  
Efficacy: 74.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

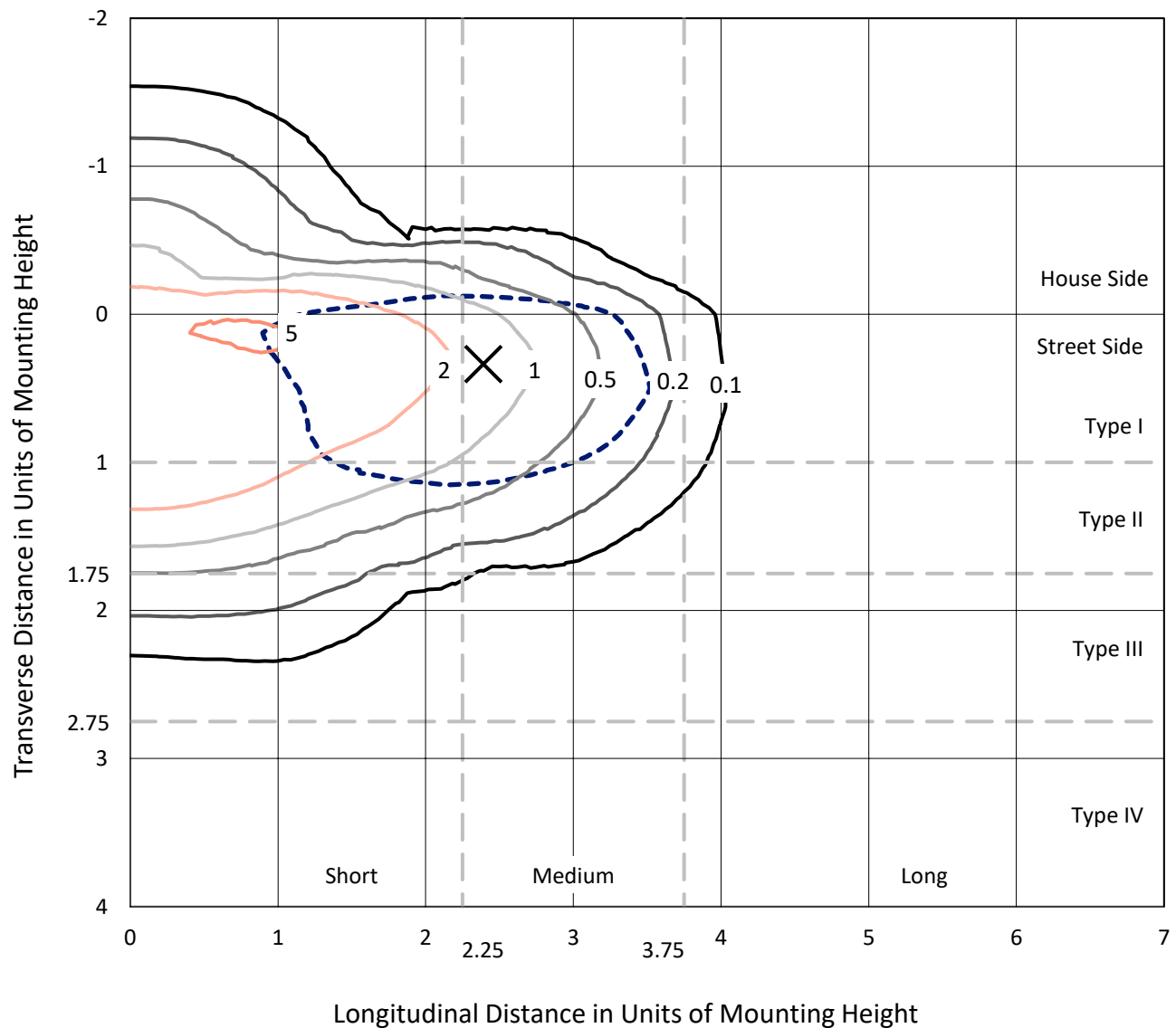
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

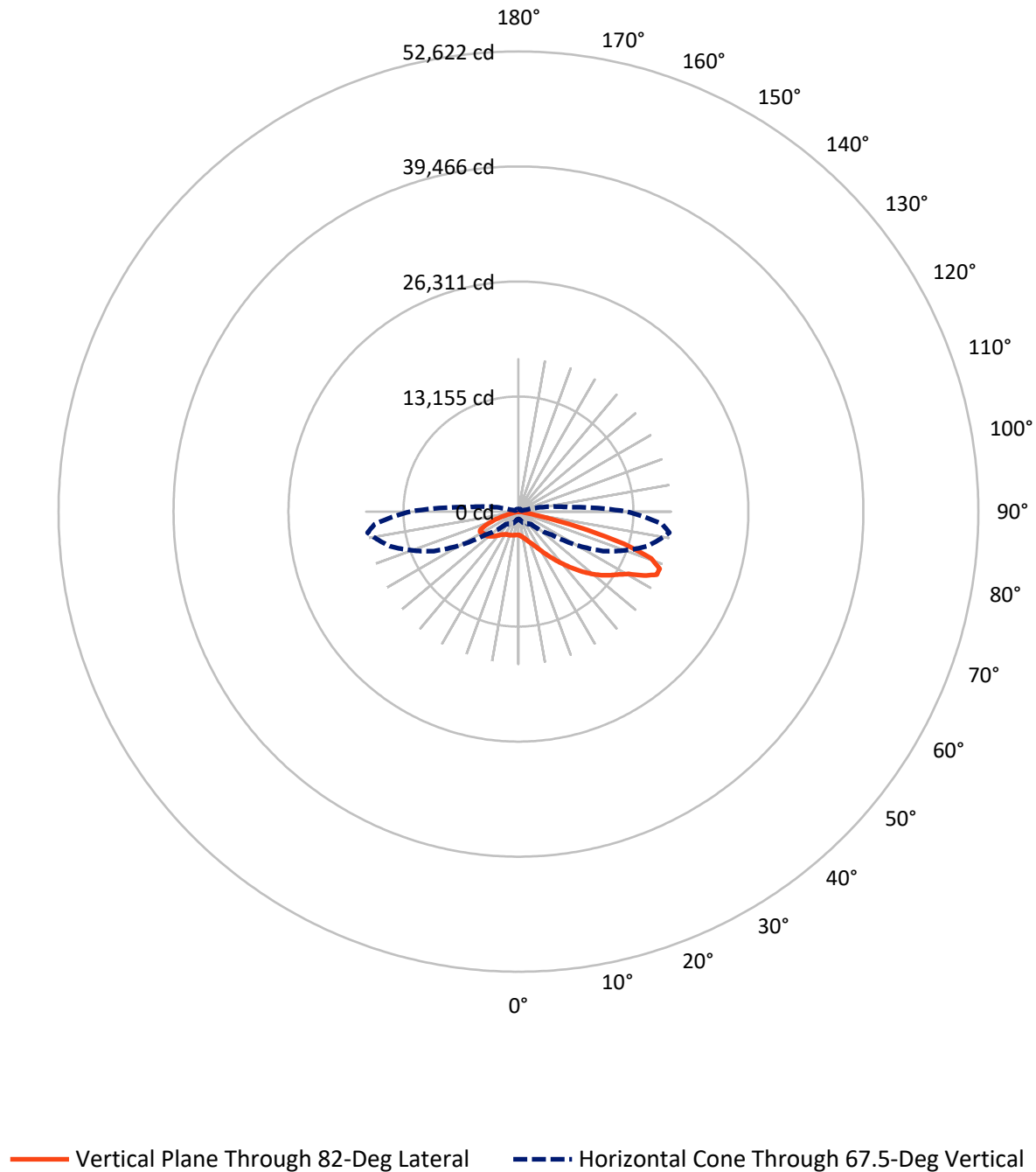
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc  
 Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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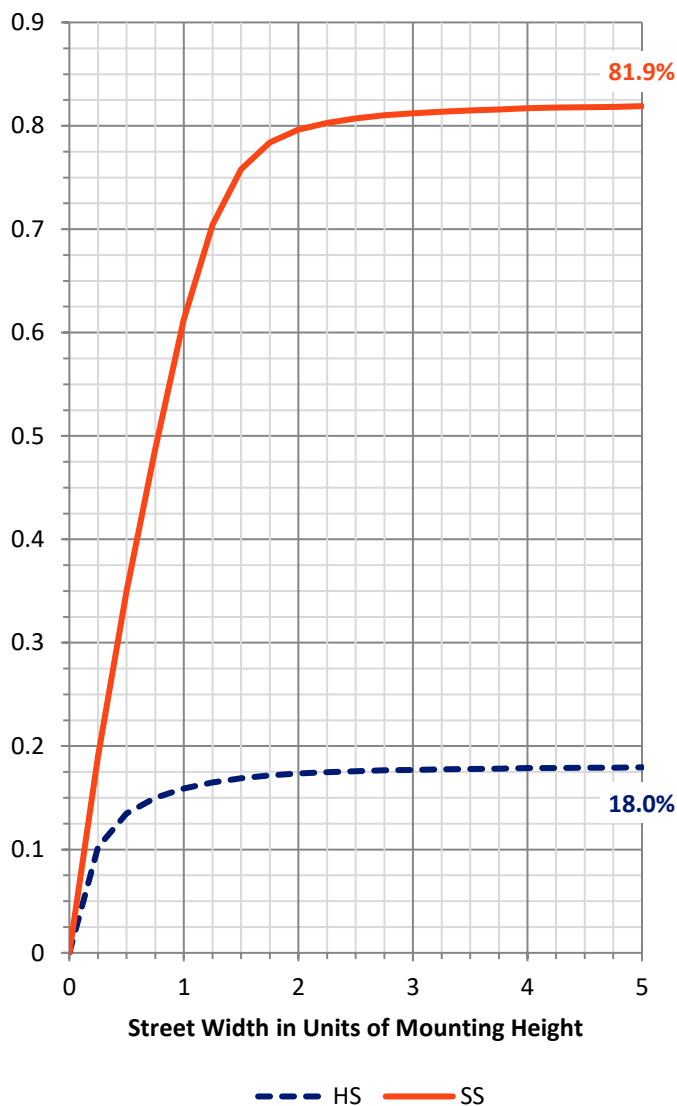
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2926.5   | 0.0    | 2926.5  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 13229.5  | 0.0    | 13229.5 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 16156.0  | 0.0    | 16156.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 238.5   | 1.5       |
| 10°-20°   | 619.7   | 3.8       |
| 20°-30°   | 992.5   | 6.1       |
| 30°-40°   | 1755.0  | 10.9      |
| 40°-50°   | 3075.0  | 19.0      |
| 50°-60°   | 4101.1  | 25.4      |
| 60°-70°   | 3817.9  | 23.6      |
| 70°-80°   | 1465.3  | 9.1       |
| 80°-90°   | 91.0    | 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°    | 16156.0 | 100.0     |
| 0°-180°   | 16156.0 | 100.0     |

**Coefficient of Utilization**



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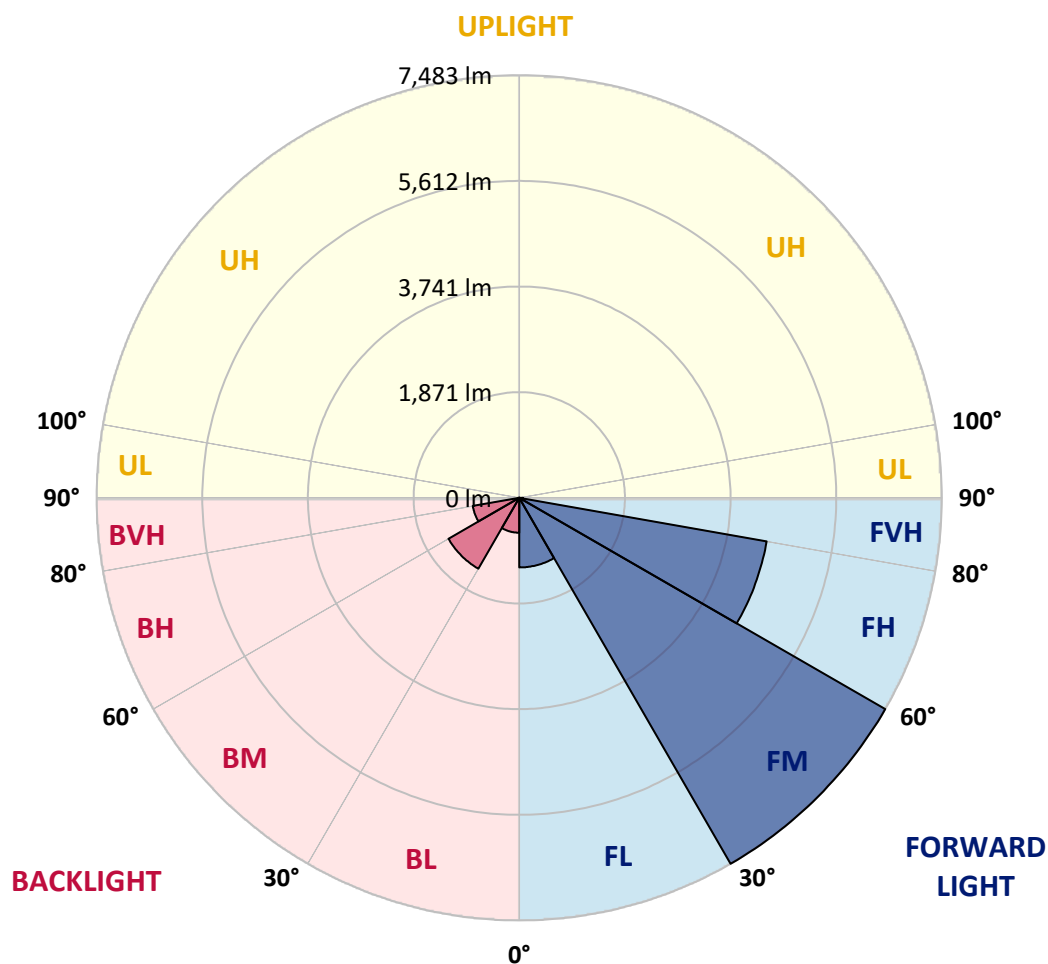
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1232.5 | 7.6       |                         |      |         |
| FM   | (30°-60°)   | 7482.8 | 46.3      |                         |      |         |
| FH   | (60°-80°)   | 4448.0 | 27.5      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 66.2   | 0.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 618.1  | 3.8       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1448.3 | 9.0       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 835.3  | 5.2       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 24.8   | 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°    | 2676.5 | 2676.5 | 2676.5 | 2676.5 | 2676.5 | 2676.5 | 2676.5 | 2676.5  | 2676.5  | 2676.5  |
| 2.5°  | 2828.9 | 2845.2 | 2835.9 | 2831.2 | 2823.1 | 2811.4 | 2802.1 | 2773.0  | 2742.8  | 2723.0  |
| 5°    | 2885.9 | 2902.2 | 2901.0 | 2905.7 | 2911.5 | 2915.0 | 2912.6 | 2880.1  | 2837.0  | 2803.3  |
| 7.5°  | 2837.0 | 2855.6 | 2870.8 | 2894.0 | 2934.7 | 2977.8 | 2998.7 | 2991.7  | 2947.5  | 2901.0  |
| 10°   | 2698.6 | 2718.4 | 2754.4 | 2809.1 | 2895.2 | 2988.2 | 3066.2 | 3102.2  | 3074.3  | 3023.1  |
| 12.5° | 2445.0 | 2464.8 | 2535.8 | 2654.4 | 2798.6 | 2960.3 | 3109.2 | 3205.8  | 3212.7  | 3161.6  |
| 15°   | 2160.0 | 2179.8 | 2255.4 | 2404.3 | 2624.2 | 2883.6 | 3132.5 | 3315.1  | 3376.7  | 3332.5  |
| 17.5° | 1983.2 | 2000.7 | 2057.7 | 2177.5 | 2406.6 | 2730.0 | 3124.3 | 3431.4  | 3572.2  | 3537.3  |
| 20°   | 1929.7 | 1944.9 | 1971.6 | 2055.4 | 2246.1 | 2570.7 | 3070.8 | 3540.8  | 3782.7  | 3762.9  |
| 22.5° | 1986.7 | 2000.7 | 2008.8 | 2046.1 | 2165.9 | 2466.0 | 3003.4 | 3652.4  | 4027.0  | 4029.3  |
| 25°   | 2118.2 | 2132.1 | 2122.8 | 2146.1 | 2198.4 | 2433.4 | 2977.8 | 3783.9  | 4334.0  | 4359.6  |
| 27.5° | 2334.5 | 2335.7 | 2313.6 | 2312.4 | 2320.6 | 2482.2 | 3004.5 | 3924.6  | 4721.4  | 4769.1  |
| 30°   | 2768.4 | 2750.9 | 2666.0 | 2574.1 | 2532.3 | 2628.8 | 3079.0 | 4090.9  | 5178.5  | 5263.4  |
| 32.5° | 3437.2 | 3411.6 | 3255.8 | 3035.9 | 2814.9 | 2864.9 | 3212.7 | 4280.5  | 5676.4  | 5829.9  |
| 35°   | 4163.1 | 4156.1 | 3993.2 | 3666.4 | 3280.2 | 3201.1 | 3430.3 | 4529.5  | 6219.6  | 6463.9  |
| 37.5° | 4837.7 | 4834.2 | 4741.2 | 4356.2 | 3886.2 | 3669.9 | 3779.2 | 4855.2  | 6801.2  | 7154.8  |
| 40°   | 5454.2 | 5464.7 | 5371.6 | 5027.3 | 4553.9 | 4271.2 | 4253.8 | 5257.6  | 7447.9  | 7907.4  |
| 42.5° | 5986.9 | 5998.6 | 5904.4 | 5649.6 | 5213.4 | 4936.6 | 4836.5 | 5750.8  | 8079.5  | 8715.8  |
| 45°   | 6348.7 | 6420.8 | 6406.9 | 6203.3 | 5890.4 | 5603.1 | 5536.8 | 6369.6  | 8799.5  | 9573.1  |
| 47.5° | 6451.1 | 6517.4 | 6622.0 | 6650.0 | 6459.2 | 6176.5 | 6255.6 | 7115.2  | 9527.7  | 10431.5 |
| 50°   | 6198.6 | 6260.3 | 6477.8 | 6767.4 | 6900.0 | 6812.8 | 6954.7 | 7914.4  | 10273.3 | 11287.6 |
| 52.5° | 5700.8 | 5763.6 | 6038.1 | 6496.4 | 7037.3 | 7311.8 | 7656.1 | 8701.8  | 10995.6 | 12098.3 |
| 55°   | 4980.8 | 5047.1 | 5399.5 | 5918.3 | 6775.6 | 7517.7 | 8241.2 | 9488.1  | 11657.5 | 12827.7 |
| 57.5° | 4001.4 | 4050.2 | 4416.6 | 5142.5 | 6117.2 | 7313.0 | 8672.8 | 10346.6 | 12281.0 | 13544.2 |
| 60°   | 2607.9 | 2650.9 | 3076.6 | 3886.2 | 5026.1 | 6629.0 | 8758.8 | 11303.9 | 13109.2 | 14475.9 |
| 62.5° | 1734.3 | 1763.4 | 2015.8 | 2610.2 | 3539.6 | 5315.8 | 8255.2 | 12068.1 | 14323.5 | 16097.4 |
| 65°   | 1189.9 | 1219.0 | 1471.4 | 1885.5 | 2286.8 | 3516.3 | 6807.0 | 11966.9 | 15423.9 | 17385.1 |
| 67.5° | 849.1  | 873.6  | 1087.6 | 1478.4 | 1655.2 | 2042.6 | 4614.4 | 10673.4 | 15265.7 | 17433.9 |
| 70°   | 608.3  | 622.3  | 799.1  | 1151.6 | 1315.6 | 1227.2 | 2566.0 | 8163.3  | 13366.2 | 16098.6 |
| 72.5° | 425.7  | 430.4  | 554.8  | 877.0  | 1059.7 | 895.7  | 1221.4 | 5442.6  | 10109.3 | 12635.7 |
| 75°   | 288.5  | 294.3  | 373.4  | 643.2  | 850.3  | 684.0  | 646.7  | 2918.4  | 5934.6  | 6994.3  |
| 77.5° | 176.8  | 179.1  | 240.8  | 439.7  | 636.3  | 521.1  | 416.4  | 1236.5  | 2296.1  | 2254.3  |
| 80°   | 100.0  | 100.0  | 153.5  | 273.3  | 433.9  | 336.2  | 292.0  | 525.8   | 727.0   | 638.6   |
| 82.5° | 55.8   | 57.0   | 111.7  | 169.8  | 287.3  | 198.9  | 160.5  | 243.1   | 314.1   | 278.0   |
| 85°   | 23.3   | 25.6   | 68.6   | 80.3   | 137.3  | 98.9   | 65.1   | 102.4   | 116.3   | 103.5   |
| 87.5° | 2.3    | 3.5    | 20.9   | 15.1   | 16.3   | 19.8   | 9.3    | 19.8    | 16.3    | 16.3    |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2676.5  | 0°    | 2676.5  | 2676.5 | 2676.5 | 2676.5 | 2676.5 | 2676.5 | 2676.5 | 2676.5 | 2676.5 | 2676.5 |
| 2716.1  | 2.5°  | 2694.0  | 2676.5 | 2632.3 | 2581.1 | 2513.7 | 2481.1 | 2436.9 | 2406.6 | 2381.1 | 2383.4 |
| 2783.5  | 5°    | 2746.3  | 2702.1 | 2603.2 | 2479.9 | 2326.4 | 2217.0 | 2100.7 | 2020.5 | 1955.3 | 1941.4 |
| 2876.6  | 7.5°  | 2818.4  | 2748.6 | 2575.3 | 2353.1 | 2093.7 | 1897.2 | 1721.5 | 1608.7 | 1528.4 | 1502.8 |
| 2989.4  | 10°   | 2911.5  | 2810.3 | 2539.2 | 2193.8 | 1820.4 | 1570.3 | 1381.9 | 1293.5 | 1238.8 | 1220.2 |
| 3122.0  | 12.5° | 3019.6  | 2881.2 | 2491.6 | 1999.5 | 1538.9 | 1298.1 | 1178.3 | 1134.1 | 1116.7 | 1110.8 |
| 3284.9  | 15°   | 3155.7  | 2969.6 | 2419.4 | 1769.2 | 1300.4 | 1131.8 | 1080.6 | 1074.8 | 1077.1 | 1074.8 |
| 3480.3  | 17.5° | 3317.4  | 3066.2 | 2302.0 | 1531.9 | 1139.9 | 1046.9 | 1028.3 | 1032.9 | 1038.7 | 1037.6 |
| 3698.9  | 20°   | 3494.2  | 3161.6 | 2151.9 | 1321.4 | 1030.6 | 986.4  | 975.9  | 980.6  | 985.2  | 982.9  |
| 3951.4  | 22.5° | 3695.5  | 3263.9 | 1985.6 | 1157.4 | 957.3  | 930.6  | 918.9  | 920.1  | 920.1  | 915.4  |
| 4271.2  | 25°   | 3936.2  | 3376.7 | 1811.1 | 1041.1 | 901.5  | 880.5  | 866.6  | 861.9  | 854.9  | 841.0  |
| 4659.7  | 27.5° | 4223.5  | 3496.6 | 1643.6 | 959.6  | 857.3  | 837.5  | 821.2  | 809.6  | 792.1  | 768.9  |
| 5126.2  | 30°   | 4546.9  | 3642.0 | 1501.7 | 908.5  | 822.4  | 802.6  | 784.0  | 766.5  | 741.0  | 711.9  |
| 5662.4  | 32.5° | 4927.3  | 3797.8 | 1398.2 | 874.7  | 791.0  | 770.0  | 747.9  | 727.0  | 699.1  | 670.0  |
| 6264.9  | 35°   | 5380.9  | 3986.3 | 1337.7 | 851.5  | 766.5  | 738.6  | 714.2  | 690.9  | 670.0  | 644.4  |
| 6919.8  | 37.5° | 5873.0  | 4186.3 | 1319.1 | 839.8  | 750.3  | 707.2  | 679.3  | 663.0  | 660.7  | 645.6  |
| 7628.2  | 40°   | 6411.5  | 4423.6 | 1333.0 | 832.8  | 732.8  | 677.0  | 646.7  | 643.2  | 649.1  | 622.3  |
| 8385.4  | 42.5° | 6981.5  | 4705.1 | 1356.3 | 824.7  | 708.4  | 646.7  | 617.7  | 617.7  | 613.0  | 575.8  |
| 9185.7  | 45°   | 7598.0  | 5029.6 | 1379.5 | 804.9  | 679.3  | 616.5  | 594.4  | 586.2  | 566.5  | 530.4  |
| 9990.6  | 47.5° | 8219.1  | 5360.0 | 1397.0 | 768.9  | 644.4  | 590.9  | 571.1  | 552.5  | 523.4  | 490.9  |
| 10780.5 | 50°   | 8808.8  | 5656.6 | 1378.4 | 715.4  | 604.9  | 566.5  | 545.5  | 519.9  | 488.5  | 466.4  |
| 11528.4 | 52.5° | 9335.8  | 5913.7 | 1299.3 | 652.6  | 563.0  | 540.9  | 522.3  | 495.5  | 469.9  | 446.7  |
| 12203.0 | 55°   | 9794.1  | 6121.9 | 1159.7 | 593.2  | 525.8  | 518.8  | 500.2  | 466.4  | 431.5  | 411.8  |
| 12871.9 | 57.5° | 10233.8 | 6280.1 | 985.2  | 544.4  | 492.0  | 494.4  | 466.4  | 436.2  | 403.6  | 382.7  |
| 13773.3 | 60°   | 10818.8 | 6491.8 | 808.4  | 499.0  | 456.0  | 463.0  | 432.7  | 410.6  | 369.9  | 343.1  |
| 15319.2 | 62.5° | 11754.0 | 6821.0 | 642.1  | 443.2  | 414.1  | 416.4  | 403.6  | 376.9  | 328.0  | 296.6  |
| 16465.0 | 65°   | 12496.2 | 6700.0 | 506.0  | 382.7  | 366.4  | 369.9  | 369.9  | 340.8  | 288.5  | 252.4  |
| 16526.6 | 67.5° | 12412.4 | 5736.9 | 403.6  | 323.4  | 321.0  | 323.4  | 331.5  | 307.1  | 255.9  | 226.8  |
| 15268.0 | 70°   | 11434.2 | 4563.2 | 323.4  | 268.7  | 279.2  | 273.3  | 296.6  | 280.3  | 230.3  | 201.2  |
| 11836.6 | 72.5° | 9330.0  | 3287.2 | 246.6  | 222.2  | 214.0  | 223.3  | 267.5  | 252.4  | 191.9  | 159.4  |
| 6269.6  | 75°   | 5451.9  | 1754.1 | 183.8  | 175.6  | 154.7  | 186.1  | 237.3  | 215.2  | 146.6  | 117.5  |
| 1921.6  | 77.5° | 1775.0  | 611.8  | 134.9  | 129.1  | 115.2  | 150.1  | 202.4  | 181.5  | 119.8  | 93.1   |
| 563.0   | 80°   | 475.7   | 184.9  | 91.9   | 84.9   | 74.4   | 111.7  | 160.5  | 144.2  | 86.1   | 60.5   |
| 241.9   | 82.5° | 190.8   | 77.9   | 53.5   | 47.7   | 40.7   | 76.8   | 126.8  | 116.3  | 64.0   | 38.4   |
| 75.6    | 85°   | 61.6    | 25.6   | 19.8   | 15.1   | 18.6   | 47.7   | 75.6   | 79.1   | 45.4   | 19.8   |
| 11.6    | 87.5° | 8.1     | 3.5    | 3.5    | 4.7    | 3.5    | 8.1    | 23.3   | 22.1   | 12.8   | 2.3    |
| 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°   |
|--------|
| 2676.5 |
| 2360.1 |
| 1910.0 |
| 1477.3 |
| 1206.2 |
| 1107.4 |
| 1073.6 |
| 1035.2 |
| 981.7  |
| 913.1  |
| 838.7  |
| 766.5  |
| 709.5  |
| 671.2  |
| 642.1  |
| 644.4  |
| 623.5  |
| 575.8  |
| 529.3  |
| 489.7  |
| 463.0  |
| 444.3  |
| 409.4  |
| 380.4  |
| 339.7  |
| 294.3  |
| 248.9  |
| 222.2  |
| 197.7  |
| 155.9  |
| 114.0  |
| 89.6   |
| 59.3   |
| 38.4   |
| 15.1   |
| 0.0    |
| 0.0    |