

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: P944356

Luminaire Tested: **GLAN-SB9B-735-U-T3-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P944356  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9B-735-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 40225 lumens  
Efficiency: N/A  
Efficacy: 122.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G5

Input Watts (W): 329.5  
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

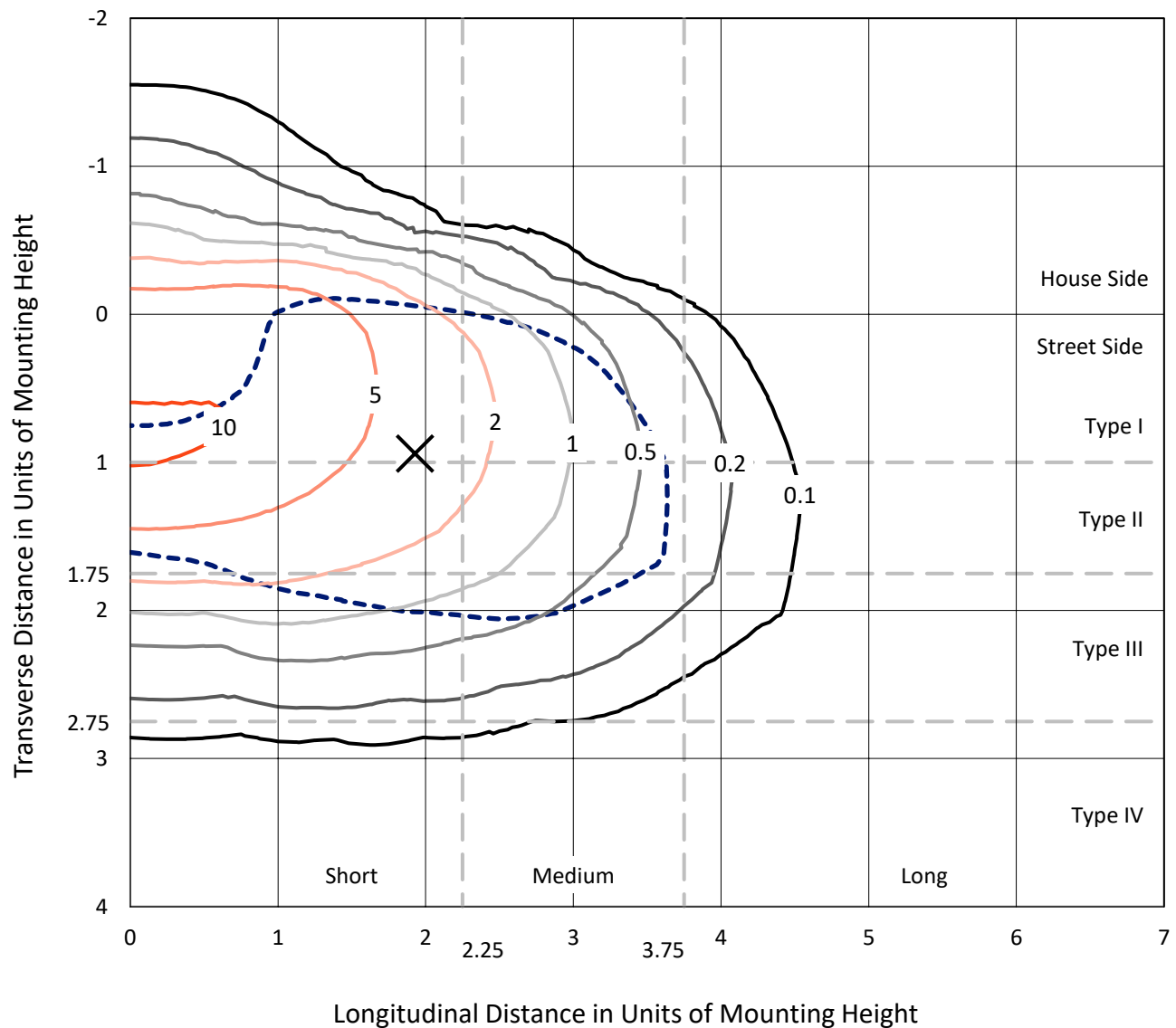


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## Iso-Footcandle Lines of Horizontal Illumination

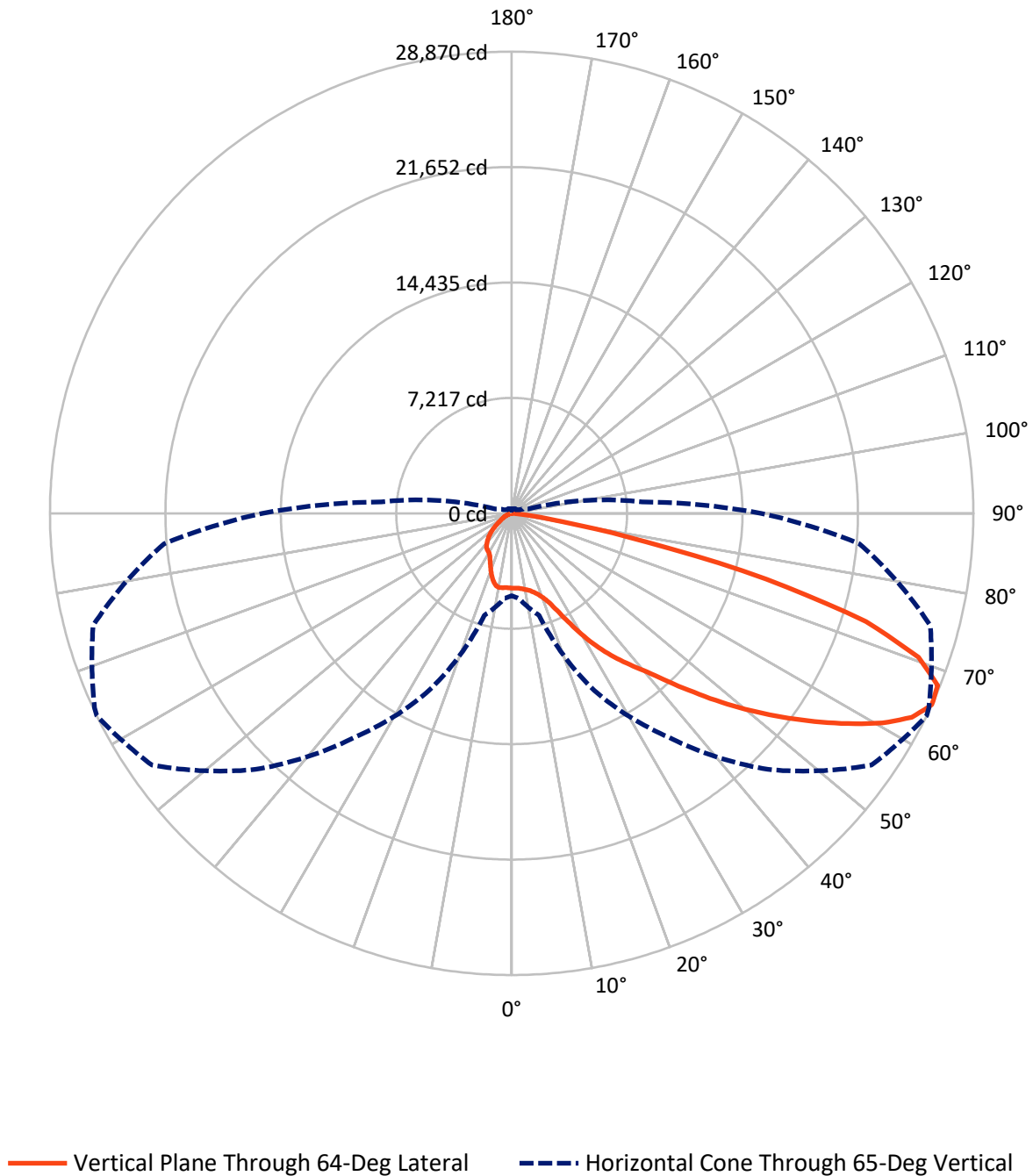
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.8 fc  
Type III - 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    | 5379.3   | 0.0    | 5379.3  |
|                    | % Fixture | 13.4     | 0.0    | 13.4    |
| <b>Street Side</b> | Lumens    | 34845.7  | 0.0    | 34845.7 |
|                    | % Fixture | 86.6     | 0.0    | 86.6    |
| <b>Total</b>       | Lumens    | 40225.0  | 0.0    | 40225.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 431.6   | 1.1       |
| 10°-20°   | 1170.8  | 2.9       |
| 20°-30°   | 2218.5  | 5.5       |
| 30°-40°   | 4489.1  | 11.2      |
| 40°-50°   | 7647.3  | 19.0      |
| 50°-60°   | 10399.7 | 25.9      |
| 60°-70°   | 9765.9  | 24.3      |
| 70°-80°   | 3912.6  | 9.7       |
| 80°-90°   | 189.6   | 0.5       |
| 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°    | 40225.0 | 100.0     |
| 0°-180°   | 40225.0 | 100.0     |

**Coefficient of Utilization**



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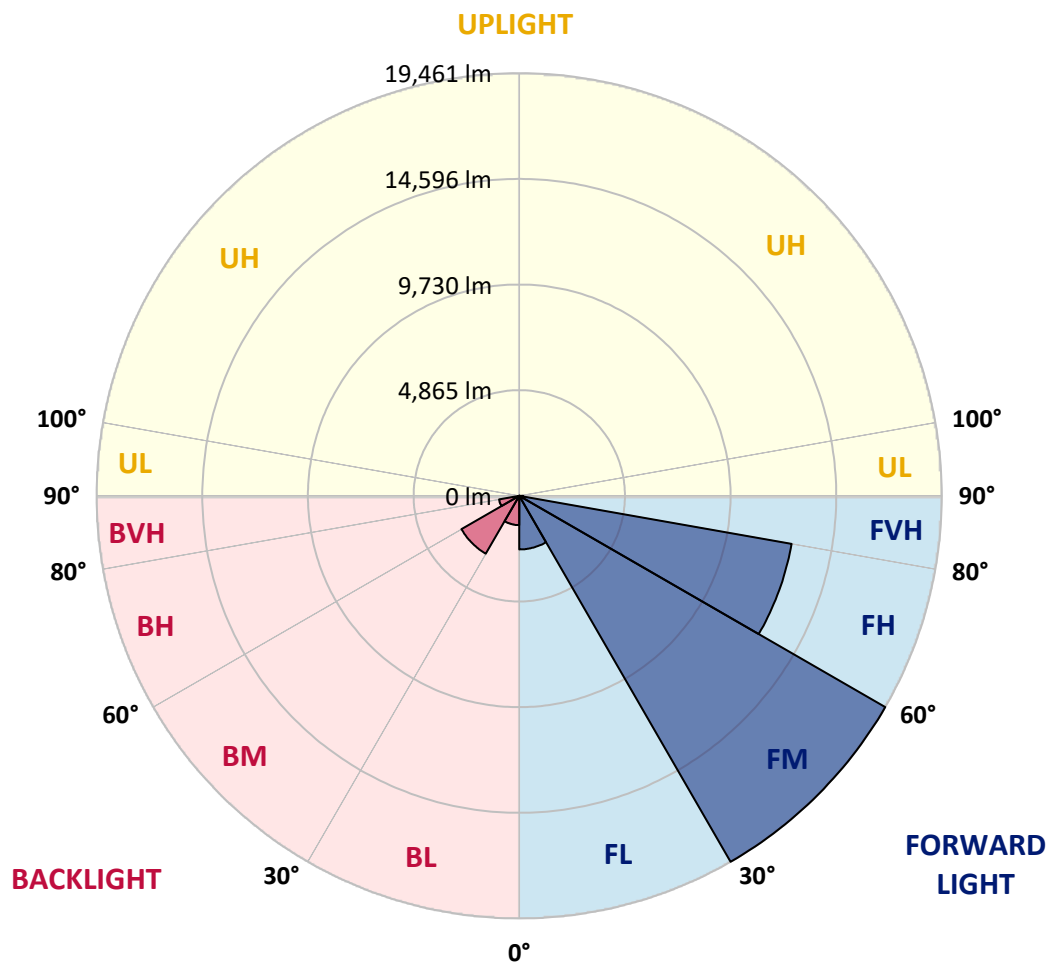
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2470.3  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 19460.8 | 48.4      |                         |      |         |
| FH   | (60°-80°)   | 12734.3 | 31.7      |                         |      | G5      |
| FVH  | (80°-90°)   | 180.3   | 0.4       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1350.6  | 3.4       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 3075.3  | 7.6       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 944.2   | 2.3       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 9.3     | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G5**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 64°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4678.6  | 4678.6  | 4678.6  | 4678.6  | 4678.6  | 4678.6  | 4678.6  | 4678.6  | 4678.6  | 4678.6  |
| 2.5°  | 4662.4  | 4694.8  | 4686.7  | 4678.6  | 4675.9  | 4681.3  | 4684.0  | 4681.3  | 4681.3  | 4681.3  |
| 5°    | 4573.4  | 4600.4  | 4600.4  | 4619.3  | 4646.2  | 4678.6  | 4702.9  | 4708.2  | 4713.6  | 4721.7  |
| 7.5°  | 4403.5  | 4425.1  | 4441.3  | 4503.3  | 4570.7  | 4657.0  | 4729.8  | 4767.6  | 4773.0  | 4802.6  |
| 10°   | 4287.6  | 4314.5  | 4341.5  | 4406.2  | 4503.3  | 4632.7  | 4756.8  | 4848.5  | 4862.0  | 4932.1  |
| 12.5° | 4282.2  | 4309.2  | 4344.2  | 4414.3  | 4527.6  | 4665.1  | 4816.1  | 4948.2  | 4972.5  | 5075.0  |
| 15°   | 4338.8  | 4371.2  | 4403.5  | 4489.8  | 4611.2  | 4778.4  | 4940.2  | 5104.6  | 5128.9  | 5274.5  |
| 17.5° | 4454.8  | 4497.9  | 4522.2  | 4608.5  | 4737.9  | 4924.0  | 5137.0  | 5325.8  | 5347.3  | 5517.2  |
| 20°   | 4684.0  | 4735.2  | 4743.3  | 4813.4  | 4940.2  | 5139.7  | 5393.2  | 5627.8  | 5654.8  | 5848.9  |
| 22.5° | 5158.6  | 5231.4  | 5166.7  | 5201.7  | 5315.0  | 5514.5  | 5789.6  | 6086.2  | 6124.0  | 6345.1  |
| 25°   | 5994.5  | 6097.0  | 5929.8  | 5870.5  | 5919.0  | 6126.7  | 6471.8  | 6846.6  | 6889.8  | 7067.8  |
| 27.5° | 7636.7  | 7504.6  | 7251.1  | 7003.0  | 6857.4  | 6976.1  | 7364.4  | 7828.2  | 7882.1  | 8054.7  |
| 30°   | 9440.8  | 9324.8  | 8982.3  | 8432.2  | 8087.1  | 8068.2  | 8426.8  | 8944.6  | 9006.6  | 9171.1  |
| 32.5° | 11247.5 | 11136.9 | 10764.8 | 10087.9 | 9489.3  | 9192.7  | 9440.8  | 10015.1 | 10047.5 | 10152.7 |
| 35°   | 13024.5 | 12911.3 | 12539.1 | 11846.1 | 11110.0 | 10435.8 | 10387.3 | 11034.4 | 11045.2 | 11155.8 |
| 37.5° | 14812.4 | 14718.0 | 14321.6 | 13642.1 | 12916.7 | 11986.3 | 11536.0 | 11999.8 | 12013.3 | 12121.2 |
| 40°   | 16087.9 | 16128.3 | 15856.0 | 15330.1 | 14707.2 | 13690.6 | 12825.0 | 13027.2 | 12946.3 | 13127.0 |
| 42.5° | 17182.7 | 17263.6 | 17026.3 | 16762.0 | 16400.7 | 15505.4 | 14421.4 | 14386.3 | 14256.9 | 14354.0 |
| 45°   | 18129.2 | 18196.6 | 17983.6 | 17921.5 | 17913.5 | 17285.1 | 16166.1 | 15955.7 | 15775.1 | 15756.2 |
| 47.5° | 18477.0 | 18606.5 | 18698.2 | 18905.8 | 19310.3 | 19046.0 | 17970.1 | 17643.8 | 17441.5 | 17293.2 |
| 50°   | 18609.2 | 18746.7 | 19059.5 | 19663.5 | 20620.8 | 20734.1 | 19766.0 | 19399.3 | 19151.2 | 18881.5 |
| 52.5° | 18431.2 | 18676.6 | 19097.3 | 20113.9 | 21502.6 | 22087.8 | 21489.1 | 21168.2 | 20885.1 | 20445.6 |
| 55°   | 17382.2 | 17627.6 | 18487.8 | 20108.5 | 21942.2 | 23037.0 | 23117.9 | 22975.0 | 22656.8 | 21963.7 |
| 57.5° | 15171.0 | 15535.1 | 16896.8 | 19423.5 | 21934.1 | 23854.0 | 24714.3 | 24816.7 | 24460.8 | 23468.4 |
| 60°   | 12107.7 | 12601.2 | 14262.3 | 17905.4 | 21257.2 | 24296.3 | 26113.8 | 26626.1 | 26248.6 | 24951.6 |
| 62.5° | 8448.4  | 9020.1  | 10592.2 | 15527.0 | 19709.4 | 23978.1 | 27135.8 | 28082.3 | 27796.5 | 26278.3 |
| 65°   | 5153.2  | 5336.6  | 6604.0  | 12218.3 | 17077.5 | 22646.0 | 27451.3 | 28869.7 | 28775.3 | 27090.0 |
| 67.5° | 3432.8  | 3586.5  | 3950.5  | 8378.3  | 13256.4 | 19984.4 | 26696.2 | 28732.2 | 28759.1 | 26957.8 |
| 70°   | 2068.3  | 2200.4  | 2437.7  | 4872.7  | 8591.3  | 15818.2 | 24358.3 | 26979.4 | 27135.8 | 25191.6 |
| 72.5° | 852.1   | 941.1   | 1156.8  | 2208.5  | 4449.4  | 10039.4 | 19396.6 | 23163.7 | 23527.8 | 21181.7 |
| 75°   | 482.7   | 528.5   | 679.5   | 1108.3  | 1930.8  | 4678.6  | 11749.0 | 16443.8 | 16980.4 | 14599.3 |
| 77.5° | 320.9   | 342.5   | 439.5   | 717.3   | 1086.7  | 1596.4  | 5021.1  | 8567.1  | 9591.8  | 7973.8  |
| 80°   | 215.7   | 234.6   | 302.0   | 480.0   | 706.5   | 684.9   | 1599.1  | 3173.9  | 3904.7  | 2739.7  |
| 82.5° | 145.6   | 148.3   | 215.7   | 315.5   | 447.6   | 331.7   | 471.9   | 987.0   | 1240.4  | 792.8   |
| 85°   | 83.6    | 80.9    | 159.1   | 183.4   | 199.5   | 137.5   | 142.9   | 296.6   | 388.3   | 334.4   |
| 87.5° | 10.8    | 16.2    | 62.0    | 48.5    | 27.0    | 29.7    | 29.7    | 51.2    | 75.5    | 80.9    |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4678.6  | 0°    | 4678.6  | 4678.6  | 4678.6 | 4678.6 | 4678.6 | 4678.6 | 4678.6 | 4678.6 | 4678.6 | 4678.6 |
| 4684.0  | 2.5°  | 4684.0  | 4681.3  | 4673.2 | 4665.1 | 4646.2 | 4635.4 | 4640.8 | 4635.4 | 4632.7 | 4635.4 |
| 4719.0  | 5°    | 4719.0  | 4710.9  | 4689.4 | 4662.4 | 4624.7 | 4578.8 | 4549.1 | 4506.0 | 4465.6 | 4441.3 |
| 4813.4  | 7.5°  | 4813.4  | 4805.3  | 4775.7 | 4700.2 | 4578.8 | 4387.4 | 4212.1 | 4058.4 | 3942.4 | 3875.0 |
| 4964.4  | 10°   | 4964.4  | 4950.9  | 4905.1 | 4737.9 | 4419.7 | 4001.7 | 3653.9 | 3365.3 | 3176.6 | 3087.6 |
| 5142.4  | 12.5° | 5142.4  | 5126.2  | 5045.3 | 4702.9 | 4117.7 | 3465.1 | 2985.1 | 2664.2 | 2489.0 | 2410.8 |
| 5347.3  | 15°   | 5352.7  | 5331.2  | 5172.1 | 4535.7 | 3678.1 | 2871.9 | 2432.3 | 2192.3 | 2079.1 | 2009.0 |
| 5608.9  | 17.5° | 5614.3  | 5576.5  | 5266.4 | 4284.9 | 3200.9 | 2418.8 | 2092.6 | 1911.9 | 1812.1 | 1744.7 |
| 5951.4  | 20°   | 5954.1  | 5892.1  | 5341.9 | 3985.6 | 2761.3 | 2133.0 | 1863.3 | 1712.3 | 1636.8 | 1577.5 |
| 6436.8  | 22.5° | 6428.7  | 6339.7  | 5433.6 | 3662.0 | 2451.2 | 1936.2 | 1693.5 | 1582.9 | 1520.9 | 1453.5 |
| 7113.6  | 25°   | 7016.5  | 6911.4  | 5546.9 | 3362.6 | 2238.2 | 1766.3 | 1569.4 | 1477.7 | 1404.9 | 1326.7 |
| 8000.8  | 27.5° | 7839.0  | 7650.2  | 5681.7 | 3117.3 | 2054.8 | 1620.7 | 1456.2 | 1353.7 | 1270.1 | 1205.4 |
| 9006.6  | 30°   | 8755.8  | 8445.7  | 5800.4 | 2968.9 | 1887.6 | 1485.8 | 1307.8 | 1205.4 | 1127.2 | 1081.3 |
| 9910.0  | 32.5° | 9624.1  | 9203.5  | 5878.6 | 2904.2 | 1736.6 | 1332.1 | 1146.1 | 1035.5 | 976.2  | 962.7  |
| 10794.5 | 35°   | 10443.9 | 9888.4  | 5870.5 | 2842.2 | 1601.8 | 1178.4 | 987.0  | 873.7  | 827.9  | 835.9  |
| 11746.3 | 37.5° | 11387.7 | 10619.2 | 5813.8 | 2745.1 | 1491.2 | 1038.2 | 849.4  | 749.7  | 709.2  | 711.9  |
| 12903.2 | 40°   | 12485.2 | 11463.2 | 5778.8 | 2561.8 | 1369.9 | 908.8  | 736.2  | 655.3  | 625.6  | 614.8  |
| 14122.0 | 42.5° | 13655.5 | 12280.3 | 5784.2 | 2354.1 | 1218.9 | 792.8  | 658.0  | 590.6  | 563.6  | 555.5  |
| 15478.4 | 45°   | 14831.2 | 13059.6 | 5792.3 | 2138.4 | 1059.8 | 703.8  | 601.3  | 544.7  | 528.5  | 517.7  |
| 16853.7 | 47.5° | 15936.9 | 13723.0 | 5641.3 | 1906.5 | 903.4  | 636.4  | 555.5  | 517.7  | 504.3  | 490.8  |
| 18234.3 | 50°   | 16966.9 | 14165.2 | 5277.2 | 1636.8 | 779.3  | 582.5  | 520.4  | 493.5  | 480.0  | 466.5  |
| 19485.6 | 52.5° | 17767.8 | 14235.3 | 4675.9 | 1359.1 | 693.0  | 542.0  | 498.9  | 474.6  | 458.4  | 444.9  |
| 20496.8 | 55°   | 18123.8 | 13795.8 | 3821.1 | 1100.2 | 625.6  | 507.0  | 477.3  | 453.0  | 434.2  | 420.7  |
| 21292.3 | 57.5° | 18032.1 | 12870.8 | 2979.7 | 884.5  | 560.9  | 471.9  | 450.3  | 434.2  | 412.6  | 391.0  |
| 21936.8 | 60°   | 17581.8 | 11633.1 | 2246.3 | 736.2  | 501.6  | 434.2  | 420.7  | 407.2  | 377.5  | 345.2  |
| 22184.9 | 62.5° | 16802.5 | 10077.2 | 1601.8 | 609.4  | 436.8  | 391.0  | 385.6  | 374.8  | 331.7  | 272.4  |
| 21818.1 | 65°   | 15610.6 | 8186.8  | 1078.6 | 507.0  | 374.8  | 342.5  | 345.2  | 326.3  | 269.7  | 202.2  |
| 20475.2 | 67.5° | 13868.6 | 5986.4  | 690.3  | 415.3  | 312.8  | 285.8  | 288.5  | 277.7  | 229.2  | 172.6  |
| 17929.6 | 70°   | 11649.3 | 3964.0  | 450.3  | 315.5  | 250.8  | 221.1  | 237.3  | 240.0  | 194.2  | 140.2  |
| 13760.7 | 72.5° | 8540.1  | 2340.6  | 315.5  | 234.6  | 183.4  | 153.7  | 194.2  | 199.5  | 156.4  | 105.2  |
| 8278.5  | 75°   | 4867.3  | 1111.0  | 237.3  | 169.9  | 113.3  | 107.9  | 151.0  | 151.0  | 107.9  | 70.1   |
| 3583.8  | 77.5° | 2044.0  | 463.8   | 167.2  | 110.6  | 64.7   | 62.0   | 102.5  | 94.4   | 53.9   | 32.4   |
| 873.7   | 80°   | 590.6   | 207.6   | 89.0   | 53.9   | 27.0   | 24.3   | 40.4   | 29.7   | 13.5   | 5.4    |
| 331.7   | 82.5° | 231.9   | 91.7    | 35.1   | 21.6   | 10.8   | 10.8   | 5.4    | 0.0    | 0.0    | 0.0    |
| 188.8   | 85°   | 137.5   | 37.8    | 16.2   | 8.1    | 2.7    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 40.4    | 87.5° | 35.1    | 8.1     | 5.4    | 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°   |
|--------|
| 4678.6 |
| 4646.2 |
| 4446.7 |
| 3877.7 |
| 3079.5 |
| 2402.7 |
| 2011.7 |
| 1739.3 |
| 1566.7 |
| 1442.7 |
| 1318.6 |
| 1191.9 |
| 1073.2 |
| 970.8  |
| 835.9  |
| 722.7  |
| 612.1  |
| 552.8  |
| 517.7  |
| 490.8  |
| 466.5  |
| 442.2  |
| 418.0  |
| 388.3  |
| 339.8  |
| 267.0  |
| 196.9  |
| 164.5  |
| 134.8  |
| 99.8   |
| 64.7   |
| 32.4   |
| 5.4    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |