

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: P954191

Luminaire Tested: **GLAN-SB7C-735-U-T2U**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954191  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7C-735-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 53974 lumens  
Efficiency: N/A  
Efficacy: 154.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B5 - U0 - G5

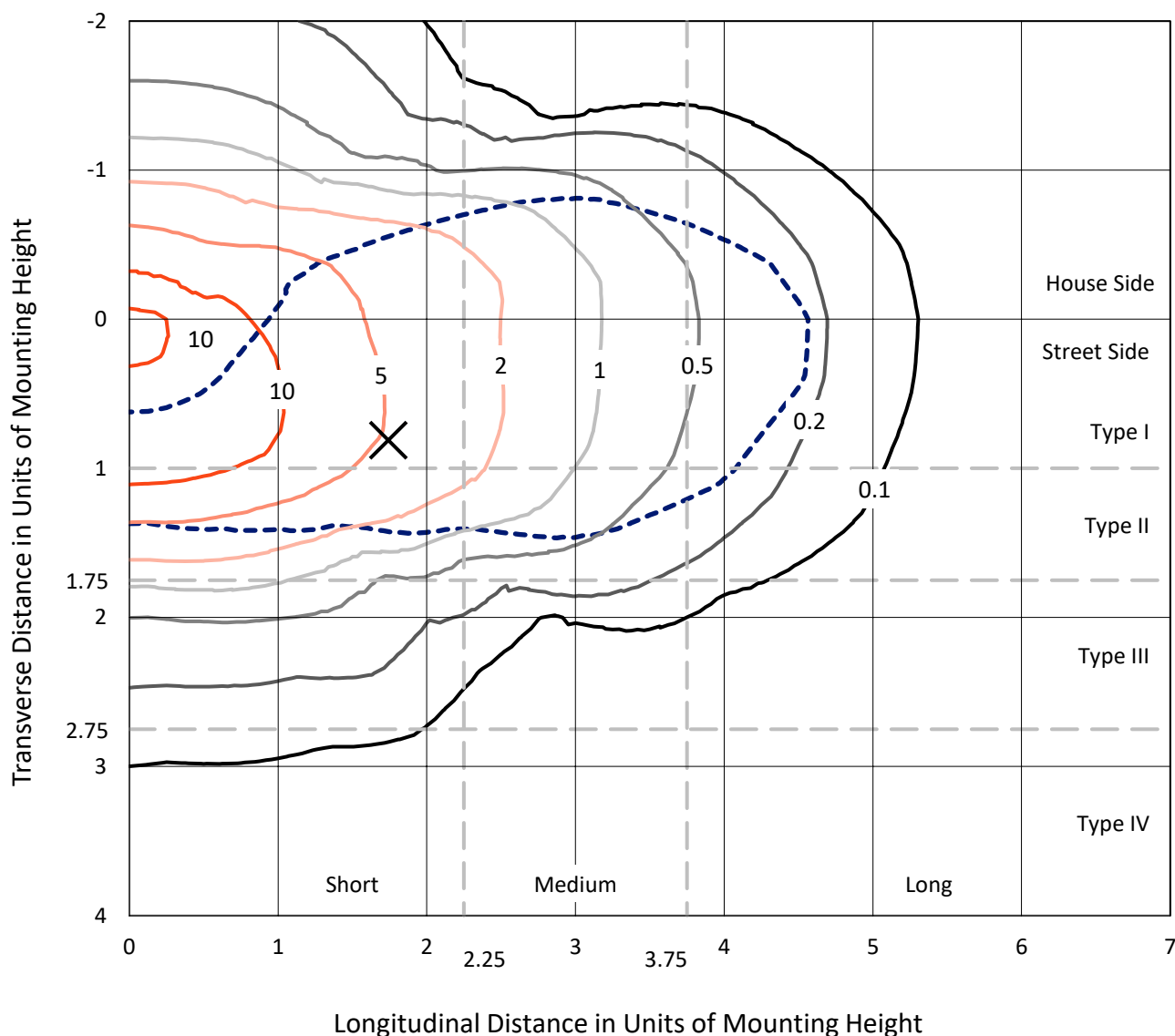
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

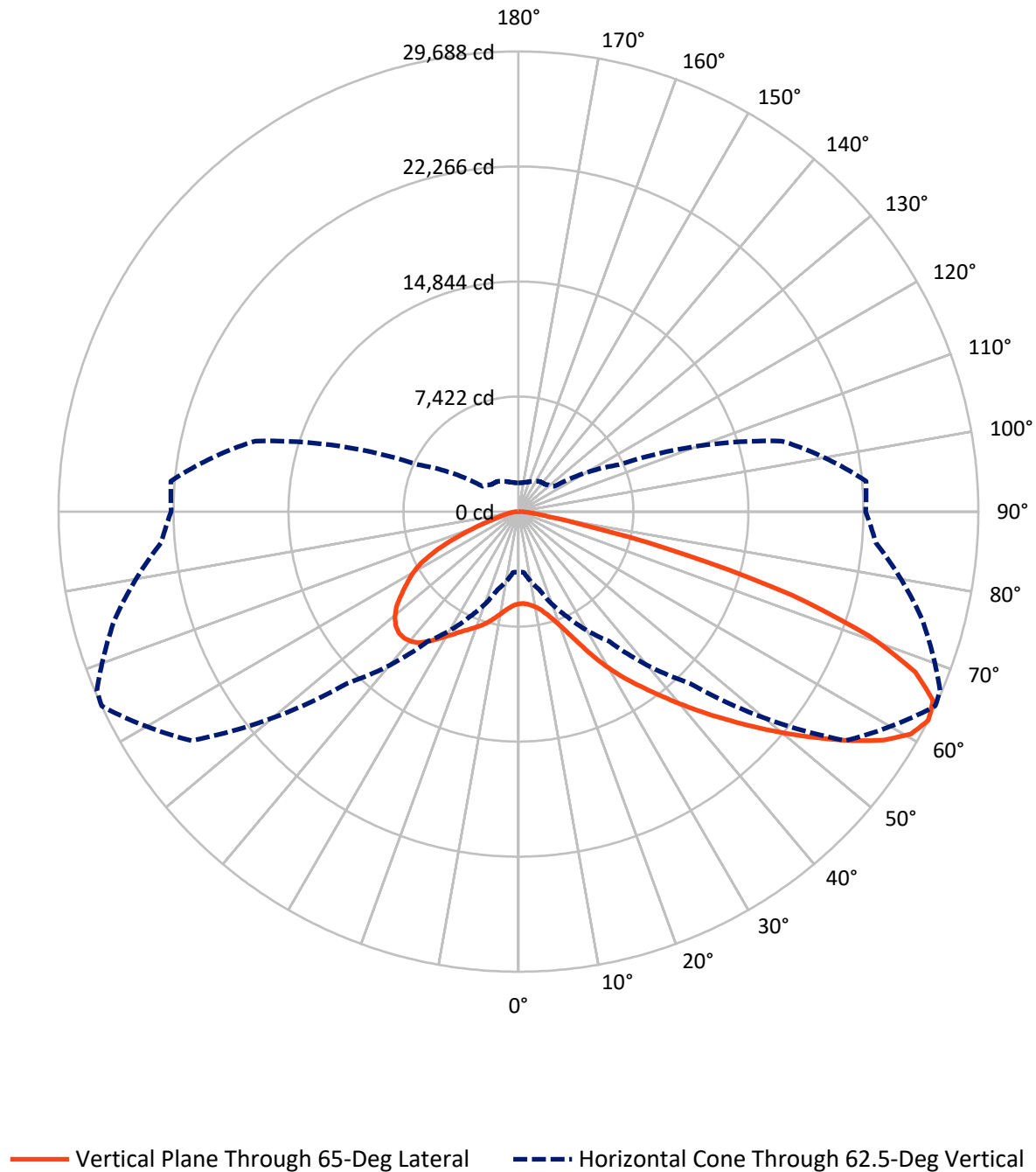
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.1 fc  
 Type II - 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    | 17031.8  | 0.0    | 17031.8 |
|                    | % Fixture | 31.6     | 0.0    | 31.6    |
| <b>Street Side</b> | Lumens    | 36942.2  | 0.0    | 36942.2 |
|                    | % Fixture | 68.4     | 0.0    | 68.4    |
| <b>Total</b>       | Lumens    | 53974.0  | 0.0    | 53974.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 593.0   | 1.1       |
| 10°-20°   | 2010.8  | 3.7       |
| 20°-30°   | 4077.2  | 7.6       |
| 30°-40°   | 7055.5  | 13.1      |
| 40°-50°   | 10677.2 | 19.8      |
| 50°-60°   | 12518.3 | 23.2      |
| 60°-70°   | 10495.1 | 19.4      |
| 70°-80°   | 5794.2  | 10.7      |
| 80°-90°   | 752.6   | 1.4       |
| 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°    | 53974.0 | 100.0     |
| 0°-180°   | 53974.0 | 100.0     |

**Coefficient of Utilization**



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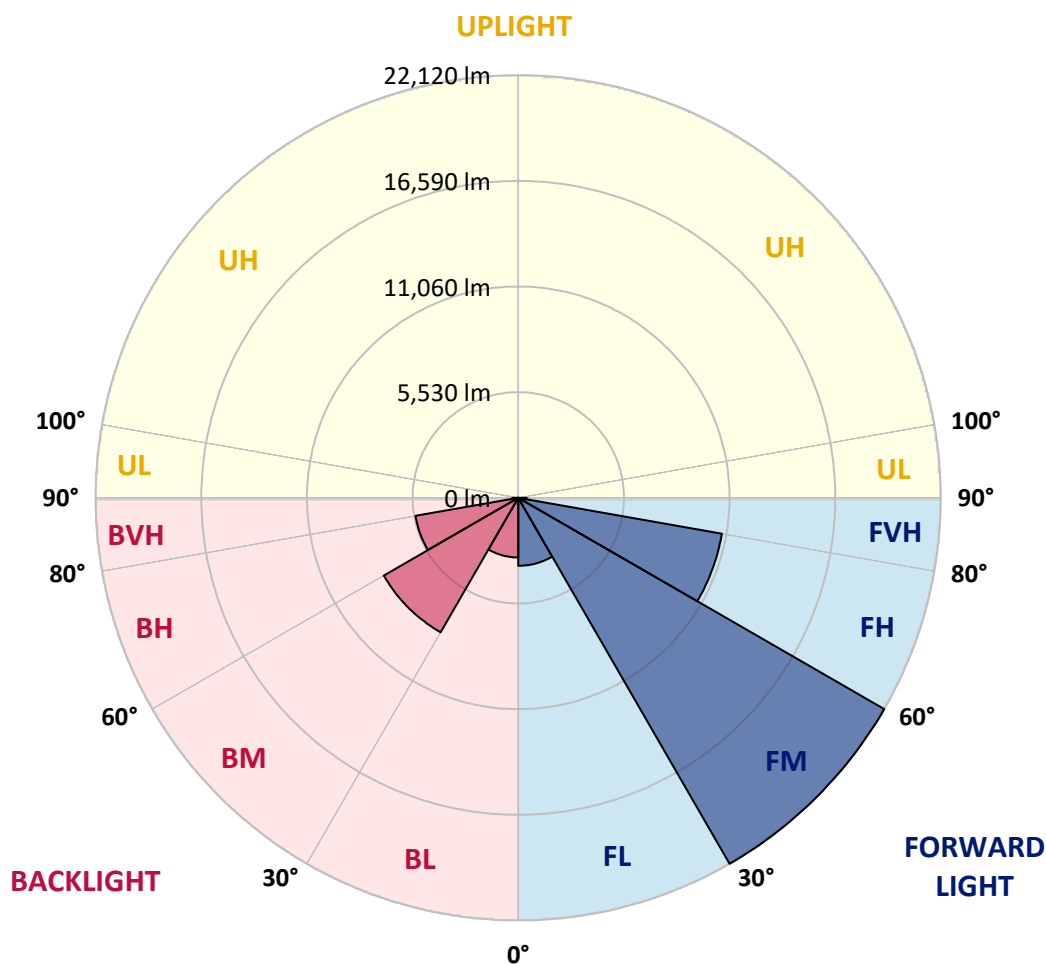
CATALOG NUMBER: GLAN-SB7C-735-U-T2U

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 3557.6  | 6.6       |                         |      |          |
| FM   | (30°-60°)   | 22120.3 | 41.0      |                         |      |          |
| FH   | (60°-80°)   | 10825.6 | 20.1      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 438.7   | 0.8       |                         |      | G3/500   |
| BL   | (0°-30°)    | 3123.4  | 5.8       | B4/5000                 |      |          |
| BM   | (30°-60°)   | 8130.8  | 15.1      | B4/8500                 |      |          |
| BH   | (60°-80°)   | 5463.7  | 10.1      | B5                      |      | G5       |
| BVH  | (80°-90°)   | 314.0   | 0.6       |                         |      | G3/500   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B5-U0-G5**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 67°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5947.7  | 5947.7  | 5947.7  | 5947.7  | 5947.7  | 5947.7  | 5947.7  | 5947.7  | 5947.7  | 5947.7  |
| 2.5°  | 5908.5  | 5891.7  | 5905.7  | 5905.7  | 5911.3  | 5908.5  | 5928.1  | 5933.7  | 5942.1  | 5958.9  |
| 5°    | 5849.7  | 5846.9  | 5872.1  | 5894.5  | 5916.9  | 5936.5  | 5961.7  | 5998.1  | 6003.7  | 6023.3  |
| 7.5°  | 5830.1  | 5813.3  | 5852.5  | 5880.5  | 5933.7  | 5981.3  | 6048.5  | 6110.1  | 6135.3  | 6143.7  |
| 10°   | 5981.3  | 5953.3  | 5989.7  | 6006.5  | 6051.3  | 6098.9  | 6177.3  | 6275.3  | 6303.3  | 6336.9  |
| 12.5° | 6238.9  | 6208.1  | 6261.3  | 6286.5  | 6328.5  | 6370.5  | 6423.7  | 6518.9  | 6533.0  | 6594.6  |
| 15°   | 6591.8  | 6555.4  | 6589.0  | 6619.8  | 6689.8  | 6729.0  | 6782.2  | 6874.6  | 6874.6  | 6922.2  |
| 17.5° | 7070.6  | 7023.0  | 7048.2  | 7059.4  | 7104.2  | 7163.0  | 7252.6  | 7333.8  | 7375.8  | 7359.0  |
| 20°   | 7784.7  | 7725.9  | 7725.9  | 7669.8  | 7653.0  | 7700.6  | 7818.3  | 7930.3  | 7975.1  | 7888.3  |
| 22.5° | 8857.1  | 8773.1  | 8725.5  | 8535.1  | 8459.5  | 8465.1  | 8582.7  | 8719.9  | 8756.3  | 8602.3  |
| 25°   | 10220.9 | 10089.2 | 10024.8 | 9744.8  | 9574.0  | 9425.6  | 9518.0  | 9694.4  | 9744.8  | 9554.4  |
| 27.5° | 11584.6 | 11593.0 | 11531.4 | 11195.3 | 10912.5 | 10640.9 | 10593.3 | 10778.1 | 10831.3 | 10615.7 |
| 30°   | 13497.1 | 13298.3 | 13180.7 | 12777.5 | 12374.2 | 11993.4 | 11797.4 | 11873.0 | 11887.0 | 11629.4 |
| 32.5° | 15146.5 | 15096.1 | 14844.0 | 14491.2 | 13973.2 | 13376.7 | 13049.1 | 12928.7 | 12906.3 | 12539.5 |
| 35°   | 17025.4 | 16997.4 | 16731.4 | 16311.4 | 15751.3 | 14922.5 | 14331.6 | 13987.2 | 13959.2 | 13443.9 |
| 37.5° | 18935.2 | 18935.2 | 18674.8 | 18215.5 | 17635.9 | 16599.8 | 15700.9 | 15154.9 | 15065.3 | 14393.2 |
| 40°   | 20458.5 | 20366.1 | 20413.7 | 20220.5 | 19556.8 | 18456.4 | 17221.4 | 16429.0 | 16308.6 | 15502.1 |
| 42.5° | 21323.8 | 21293.0 | 21578.6 | 21794.2 | 21522.6 | 20643.3 | 18896.0 | 17809.5 | 17641.5 | 16723.0 |
| 45°   | 21517.0 | 21483.4 | 21993.1 | 22782.7 | 23163.6 | 22802.3 | 20716.1 | 19262.8 | 19058.4 | 17999.9 |
| 47.5° | 21071.8 | 21004.6 | 21752.2 | 22998.3 | 24219.2 | 24854.9 | 22687.5 | 20839.4 | 20542.5 | 19243.2 |
| 50°   | 19733.3 | 19668.9 | 20800.2 | 22455.1 | 24574.9 | 26249.4 | 24826.9 | 22511.1 | 22057.5 | 20576.1 |
| 52.5° | 16823.8 | 16854.6 | 18627.2 | 20901.0 | 24107.2 | 27117.5 | 26669.4 | 24272.4 | 23726.4 | 21939.8 |
| 55°   | 13105.1 | 13172.3 | 15350.9 | 17854.3 | 22236.7 | 26985.9 | 27926.8 | 26087.0 | 25543.8 | 23222.4 |
| 57.5° | 9383.6  | 9680.4  | 11721.8 | 14200.0 | 18644.0 | 24899.7 | 28201.2 | 27811.9 | 27285.5 | 24622.5 |
| 60°   | 6082.1  | 6135.3  | 8235.5  | 10733.3 | 14197.2 | 21192.2 | 27643.9 | 29119.7 | 28708.0 | 26050.6 |
| 62.5° | 3897.9  | 3934.3  | 5214.0  | 7507.4  | 10218.1 | 15678.5 | 25767.8 | 29688.1 | 29562.1 | 26994.3 |
| 65°   | 2864.6  | 2836.6  | 3503.1  | 4962.0  | 6883.0  | 9669.2  | 22124.7 | 29413.7 | 29662.9 | 27585.1 |
| 67.5° | 2391.4  | 2352.2  | 2679.8  | 3435.9  | 5071.2  | 5491.3  | 16370.2 | 27629.9 | 28542.8 | 27517.9 |
| 70°   | 2178.6  | 2145.0  | 2343.8  | 2551.0  | 3956.7  | 3676.7  | 8252.3  | 24020.4 | 25426.1 | 26753.5 |
| 72.5° | 1845.4  | 1786.6  | 2058.2  | 2265.4  | 3077.5  | 2819.8  | 3410.7  | 18450.8 | 20164.5 | 24303.2 |
| 75°   | 1430.9  | 1391.7  | 1624.1  | 1993.8  | 2313.0  | 2201.0  | 2156.2  | 11203.7 | 13074.3 | 18795.2 |
| 77.5° | 1134.1  | 1080.9  | 1293.7  | 1554.1  | 2080.6  | 1660.5  | 1570.9  | 4824.8  | 6678.6  | 11999.0 |
| 80°   | 854.1   | 806.5   | 982.9   | 1229.3  | 1598.9  | 1251.7  | 1016.5  | 1968.6  | 2517.4  | 6079.3  |
| 82.5° | 607.7   | 565.6   | 686.1   | 901.7   | 1075.3  | 1122.9  | 624.5   | 1103.3  | 1240.5  | 2343.8  |
| 85°   | 389.2   | 364.0   | 459.2   | 565.6   | 683.3   | 722.5   | 380.8   | 576.8   | 632.9   | 966.1   |
| 87.5° | 212.8   | 173.6   | 246.4   | 263.2   | 316.4   | 288.4   | 182.0   | 210.0   | 226.8   | 350.0   |
| 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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**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°     | 105°    | 115°    | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|
| 5947.7  | 0°    | 5947.7  | 5947.7  | 5947.7  | 5947.7  | 5947.7 | 5947.7 | 5947.7 | 5947.7 | 5947.7 | 5947.7 |
| 5958.9  | 2.5°  | 5970.1  | 5978.5  | 6006.5  | 6014.9  | 6034.5 | 6059.7 | 6076.5 | 6093.3 | 6093.3 | 6110.1 |
| 6048.5  | 5°    | 6051.3  | 6070.9  | 6129.7  | 6160.5  | 6210.9 | 6261.3 | 6292.1 | 6328.5 | 6350.9 | 6362.1 |
| 6191.3  | 7.5°  | 6208.1  | 6238.9  | 6322.9  | 6376.1  | 6462.9 | 6533.0 | 6580.6 | 6631.0 | 6642.2 | 6673.0 |
| 6390.1  | 10°   | 6420.9  | 6457.3  | 6552.6  | 6653.4  | 6757.0 | 6843.8 | 6888.6 | 6925.0 | 6939.0 | 6944.6 |
| 6645.0  | 12.5° | 6664.6  | 6717.8  | 6841.0  | 6964.2  | 7073.4 | 7149.0 | 7160.2 | 7151.8 | 7112.6 | 7079.0 |
| 6958.6  | 15°   | 6964.2  | 7011.8  | 7149.0  | 7283.4  | 7389.8 | 7403.8 | 7333.8 | 7289.0 | 7241.4 | 7233.0 |
| 7308.6  | 17.5° | 7322.6  | 7347.8  | 7473.8  | 7605.4  | 7613.8 | 7566.2 | 7462.6 | 7420.6 | 7375.8 | 7345.0 |
| 7765.1  | 20°   | 7739.9  | 7731.5  | 7821.1  | 7877.1  | 7818.3 | 7672.6 | 7515.8 | 7445.8 | 7401.0 | 7364.6 |
| 8325.1  | 22.5° | 8238.3  | 8173.9  | 8162.7  | 8148.7  | 7991.9 | 7686.6 | 7473.8 | 7384.2 | 7314.2 | 7263.8 |
| 9106.4  | 25°   | 8963.6  | 8717.1  | 8546.3  | 8451.1  | 8098.3 | 7611.0 | 7339.4 | 7140.6 | 7009.0 | 6922.2 |
| 10061.2 | 27.5° | 9870.8  | 9456.4  | 9025.2  | 8792.7  | 8098.3 | 7457.0 | 7014.6 | 6692.6 | 6476.9 | 6387.3 |
| 10985.3 | 30°   | 10736.1 | 10302.1 | 9666.4  | 9204.4  | 8078.7 | 7205.0 | 6490.9 | 6042.9 | 5790.9 | 5701.3 |
| 11775.0 | 32.5° | 11475.4 | 11002.1 | 10346.9 | 9655.2  | 8031.1 | 6796.2 | 5841.3 | 5345.7 | 5102.0 | 4995.6 |
| 12556.3 | 35°   | 12161.4 | 11657.4 | 11030.1 | 10150.9 | 7905.1 | 6196.9 | 5127.2 | 4749.2 | 4477.6 | 4306.8 |
| 13351.5 | 37.5° | 12864.3 | 12265.0 | 11677.0 | 10598.9 | 7678.2 | 5496.9 | 4578.4 | 4256.4 | 3937.1 | 3707.5 |
| 14197.2 | 40°   | 13628.7 | 12911.9 | 12368.6 | 10864.9 | 7305.8 | 4830.4 | 4152.7 | 3858.7 | 3519.9 | 3276.3 |
| 15171.7 | 42.5° | 14522.0 | 13687.6 | 13138.7 | 11002.1 | 6796.2 | 4357.2 | 3875.5 | 3587.1 | 3267.9 | 3069.1 |
| 16216.2 | 45°   | 15454.5 | 14541.6 | 13841.6 | 10999.3 | 6227.7 | 4135.9 | 3785.9 | 3500.3 | 3147.5 | 2940.2 |
| 17288.7 | 47.5° | 16431.8 | 15434.9 | 14449.2 | 10820.1 | 5734.9 | 4166.8 | 3735.5 | 3312.7 | 2923.4 | 2721.8 |
| 18372.3 | 50°   | 17411.9 | 16412.2 | 15037.3 | 10484.1 | 5524.9 | 4099.5 | 3547.9 | 3049.5 | 2590.2 | 2408.2 |
| 19388.8 | 52.5° | 18383.5 | 17451.1 | 15544.1 | 10005.2 | 5312.0 | 3850.3 | 3307.1 | 2707.8 | 2453.0 | 2327.0 |
| 20438.9 | 55°   | 19360.8 | 18478.8 | 16095.8 | 9308.0  | 4780.0 | 3559.1 | 2903.8 | 2579.0 | 2343.8 | 2229.0 |
| 21466.6 | 57.5° | 20340.9 | 19666.1 | 16619.4 | 8610.7  | 4110.7 | 3200.7 | 2682.6 | 2422.2 | 2234.6 | 2136.6 |
| 22326.3 | 60°   | 21360.2 | 21024.2 | 17159.8 | 7969.5  | 3449.9 | 2741.4 | 2520.2 | 2296.2 | 2105.8 | 1996.6 |
| 23152.3 | 62.5° | 22410.3 | 22519.5 | 17582.7 | 7143.4  | 2842.2 | 2461.4 | 2374.6 | 2145.0 | 1960.2 | 1856.6 |
| 23835.6 | 65°   | 23468.8 | 23961.6 | 17859.9 | 5998.1  | 2304.6 | 2195.4 | 2217.8 | 1979.8 | 1792.2 | 1702.5 |
| 24336.8 | 67.5° | 24266.8 | 25000.5 | 17781.5 | 4539.2  | 1890.2 | 1943.4 | 2021.8 | 1806.2 | 1629.7 | 1559.7 |
| 24255.6 | 70°   | 24356.5 | 24877.3 | 17008.6 | 3108.3  | 1582.1 | 1696.9 | 1803.4 | 1635.3 | 1453.3 | 1402.9 |
| 23113.1 | 72.5° | 23163.6 | 23197.2 | 14855.3 | 2030.2  | 1338.5 | 1489.7 | 1573.7 | 1461.7 | 1285.3 | 1234.9 |
| 20220.5 | 75°   | 20035.7 | 19184.4 | 10906.9 | 1338.5  | 1120.1 | 1279.7 | 1358.1 | 1279.7 | 1108.9 | 1120.1 |
| 15129.7 | 77.5° | 15180.1 | 13586.7 | 6622.6  | 952.1   | 935.3  | 1075.3 | 1181.7 | 1125.7 | 980.1  | 1100.5 |
| 7608.2  | 80°   | 7821.1  | 7350.6  | 2954.2  | 711.3   | 739.3  | 859.7  | 971.7  | 898.9  | 775.7  | 739.3  |
| 1699.7  | 82.5° | 1792.2  | 2083.4  | 1164.9  | 509.6   | 534.8  | 618.9  | 742.1  | 674.9  | 557.2  | 470.4  |
| 708.5   | 85°   | 627.3   | 686.1   | 515.2   | 319.2   | 313.6  | 386.4  | 504.0  | 450.8  | 378.0  | 302.4  |
| 299.6   | 87.5° | 198.8   | 260.4   | 193.2   | 128.8   | 134.4  | 173.6  | 232.4  | 212.8  | 176.4  | 114.8  |
| 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°   |
|--------|
| 5947.7 |
| 6110.1 |
| 6367.7 |
| 6661.8 |
| 6930.6 |
| 7079.0 |
| 7233.0 |
| 7347.8 |
| 7367.4 |
| 7280.6 |
| 6955.8 |
| 6432.1 |
| 5754.5 |
| 5048.8 |
| 4362.8 |
| 3769.1 |
| 3323.9 |
| 3108.3 |
| 2973.9 |
| 2749.8 |
| 2419.4 |
| 2327.0 |
| 2217.8 |
| 2119.8 |
| 1988.2 |
| 1853.8 |
| 1699.7 |
| 1562.5 |
| 1405.7 |
| 1232.1 |
| 1080.9 |
| 968.9  |
| 674.9  |
| 464.8  |
| 319.2  |
| 120.4  |
| 0.0    |