

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: P952893

Luminaire Tested: **GLAN-SB6C-835-U-T4W**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952893  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6C-835-U-T4W  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 42041 lumens  
Efficiency: N/A  
Efficacy: 139.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5

Input Watts (W): 300.9  
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



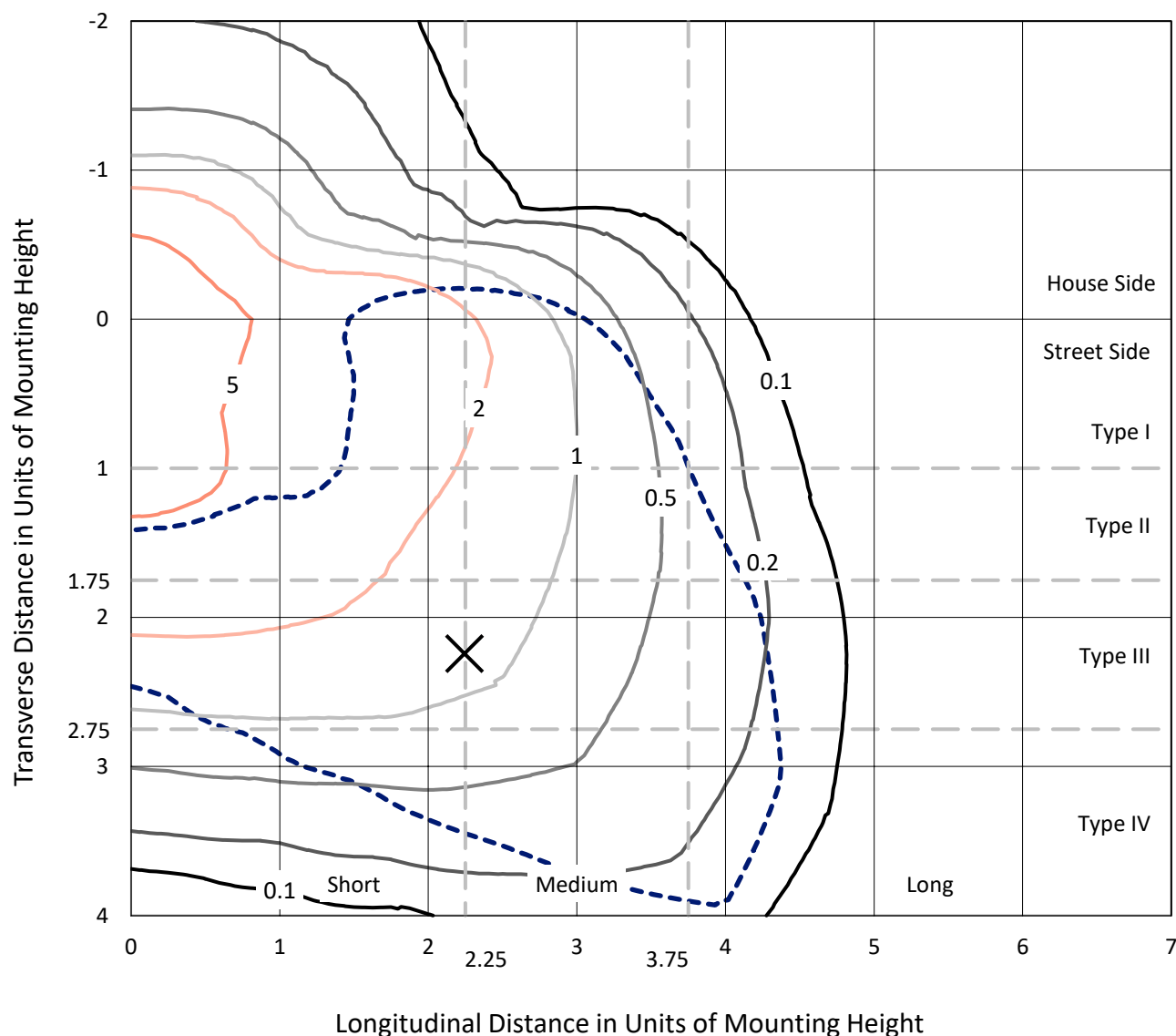
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CATALOG NUMBER: GLAN-SB6C-835-U-T4W

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

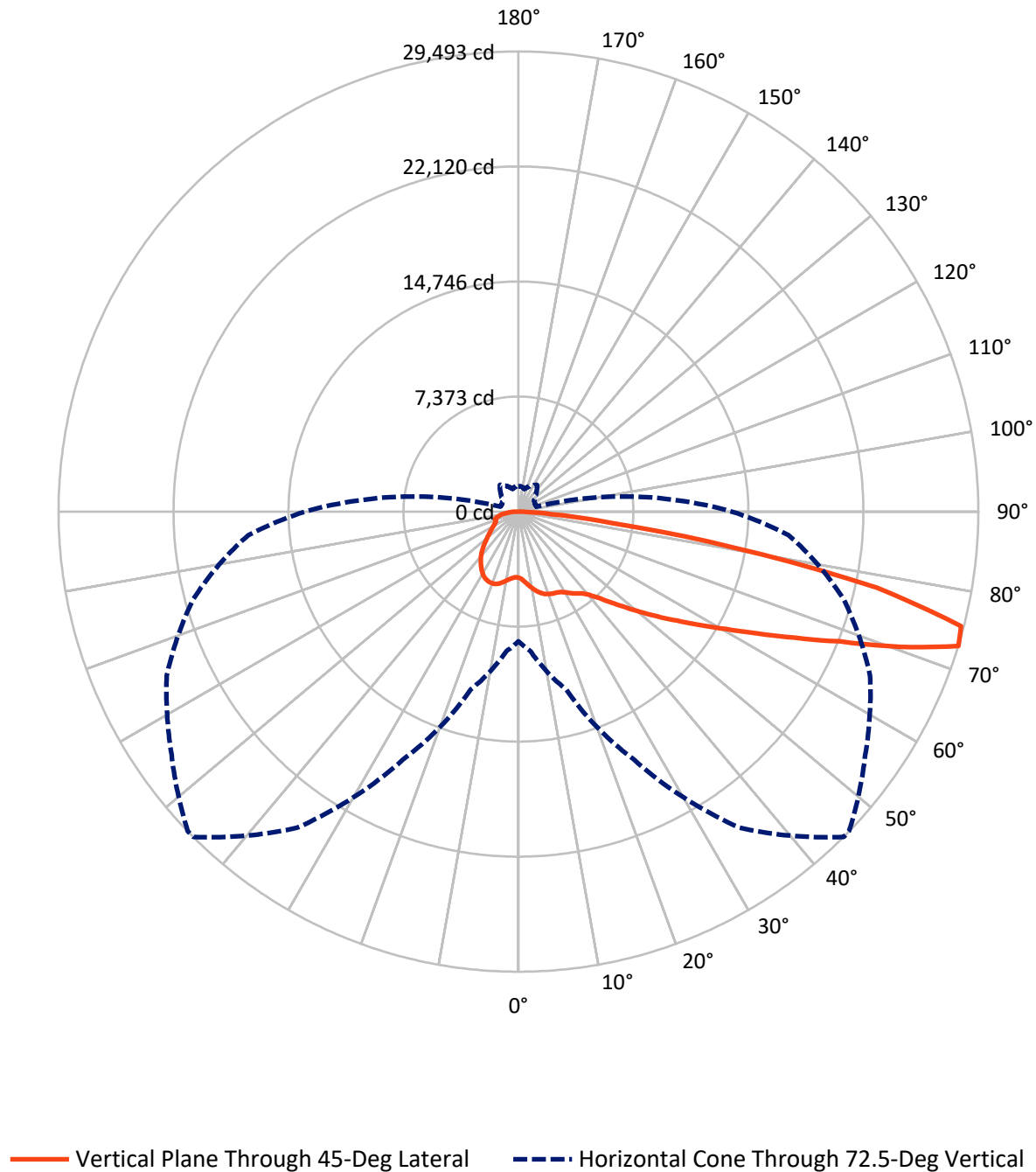


Based on 25 foot mounting height. Maximum calculated value = 8.4 fc

Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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CATALOG NUMBER: GLAN-SB6C-835-U-T4W

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 9504.0   | 0.0    | 9504.0  |
|                    | % Fixture | 22.6     | 0.0    | 22.6    |
| <b>Street Side</b> | Lumens    | 32537.0  | 0.0    | 32537.0 |
|                    | % Fixture | 77.4     | 0.0    | 77.4    |
| <b>Total</b>       | Lumens    | 42041.0  | 0.0    | 42041.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 431.7   | 1.0       |
| 10°-20°   | 1439.2  | 3.4       |
| 20°-30°   | 2503.6  | 6.0       |
| 30°-40°   | 3589.0  | 8.5       |
| 40°-50°   | 5053.6  | 12.0      |
| 50°-60°   | 7740.6  | 18.4      |
| 60°-70°   | 11213.4 | 26.7      |
| 70°-80°   | 8954.6  | 21.3      |
| 80°-90°   | 1115.2  | 2.7       |
| 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°    | 42041.0 | 100.0     |
| 0°-180°   | 42041.0 | 100.0     |

**Coefficient of Utilization**



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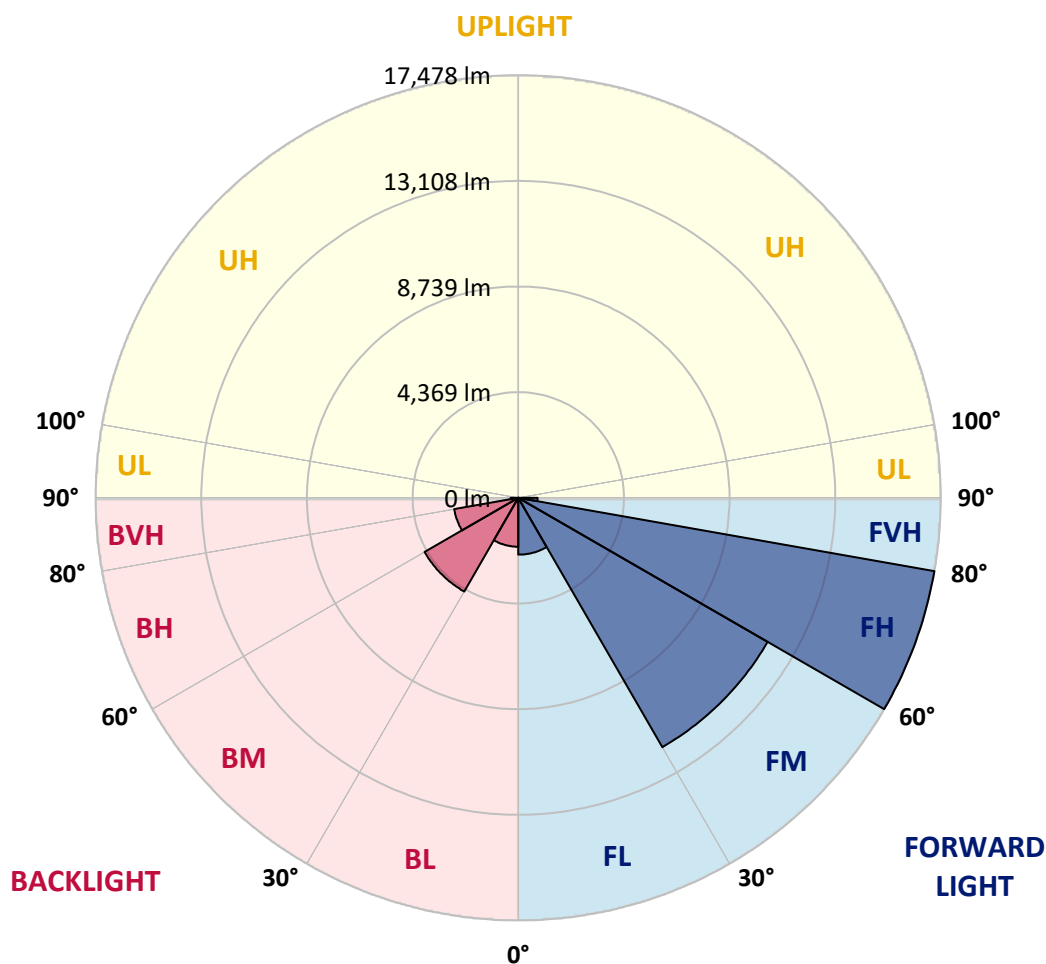
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2351.0  | 5.6       |                         |      |         |
| FM   | (30°-60°)   | 11908.2 | 28.3      |                         |      |         |
| FH   | (60°-80°)   | 17477.7 | 41.6      |                         |      | G5      |
| FVH  | (80°-90°)   | 800.1   | 1.9       |                         |      | G5      |
| BL   | (0°-30°)    | 2023.5  | 4.8       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 4475.0  | 10.6      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2690.3  | 6.4       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 315.2   | 0.7       |                         |      | G3/500  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 46°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4241.1  | 4241.1  | 4241.1  | 4241.1  | 4241.1  | 4241.1  | 4241.1  | 4241.1  | 4241.1  | 4241.1  |
| 2.5°  | 4407.2  | 4436.0  | 4409.4  | 4385.1  | 4374.0  | 4345.2  | 4343.0  | 4325.3  | 4314.2  | 4283.2  |
| 5°    | 4715.1  | 4752.7  | 4708.4  | 4659.7  | 4615.4  | 4544.5  | 4535.7  | 4484.7  | 4427.2  | 4360.7  |
| 7.5°  | 5062.8  | 5096.0  | 5045.0  | 4972.0  | 4894.5  | 4777.1  | 4774.9  | 4681.8  | 4591.0  | 4478.1  |
| 10°   | 5366.2  | 5410.5  | 5341.8  | 5242.2  | 5144.7  | 5011.8  | 4996.3  | 4890.0  | 4774.9  | 4628.7  |
| 12.5° | 5634.2  | 5665.2  | 5598.7  | 5476.9  | 5364.0  | 5231.1  | 5211.1  | 5093.8  | 4965.3  | 4799.2  |
| 15°   | 5846.8  | 5886.6  | 5798.0  | 5667.4  | 5547.8  | 5417.1  | 5399.4  | 5293.1  | 5164.6  | 4989.7  |
| 17.5° | 5986.3  | 6019.5  | 5928.7  | 5782.5  | 5667.4  | 5558.9  | 5545.6  | 5457.0  | 5344.0  | 5166.9  |
| 20°   | 6039.4  | 6074.9  | 5979.6  | 5831.3  | 5725.0  | 5640.8  | 5634.2  | 5569.9  | 5492.4  | 5330.7  |
| 22.5° | 6092.6  | 6125.8  | 6001.8  | 5846.8  | 5753.7  | 5700.6  | 5698.4  | 5656.3  | 5625.3  | 5492.4  |
| 25°   | 6307.4  | 6316.3  | 6150.2  | 5926.5  | 5793.6  | 5747.1  | 5744.9  | 5742.7  | 5756.0  | 5651.9  |
| 27.5° | 6493.5  | 6491.2  | 6349.5  | 6139.1  | 5933.1  | 5835.7  | 5833.5  | 5855.6  | 5897.7  | 5811.3  |
| 30°   | 6765.9  | 6741.5  | 6573.2  | 6353.9  | 6165.7  | 6015.1  | 6001.8  | 5981.9  | 6015.1  | 5946.4  |
| 32.5° | 7343.9  | 7266.4  | 6994.0  | 6604.2  | 6358.4  | 6243.2  | 6225.5  | 6101.5  | 6114.7  | 6072.7  |
| 35°   | 8172.2  | 8070.3  | 7707.1  | 7078.1  | 6597.5  | 6433.7  | 6424.8  | 6267.6  | 6241.0  | 6203.3  |
| 37.5° | 9157.7  | 9031.5  | 8608.5  | 7764.7  | 7009.5  | 6655.1  | 6641.8  | 6500.1  | 6391.6  | 6351.7  |
| 40°   | 10147.7 | 9988.2  | 9638.3  | 8601.8  | 7616.3  | 7025.0  | 6982.9  | 6768.1  | 6644.1  | 6577.6  |
| 42.5° | 11108.9 | 10976.0 | 10677.0 | 9540.9  | 8364.9  | 7565.4  | 7472.3  | 7104.7  | 7011.7  | 6949.7  |
| 45°   | 11959.3 | 11839.7 | 11620.4 | 10544.1 | 9241.9  | 8300.6  | 8209.8  | 7609.7  | 7580.9  | 7580.9  |
| 47.5° | 12650.3 | 12623.7 | 12391.2 | 11567.3 | 10276.1 | 9137.8  | 8980.5  | 8311.7  | 8389.2  | 8508.8  |
| 50°   | 13416.6 | 13343.5 | 13095.4 | 12575.0 | 11492.0 | 10096.7 | 9968.3  | 9173.2  | 9463.3  | 9791.1  |
| 52.5° | 14120.8 | 14160.7 | 13883.8 | 13624.7 | 12865.1 | 11166.4 | 10940.5 | 10189.8 | 10816.5 | 11359.1 |
| 55°   | 14845.0 | 14847.2 | 14769.7 | 14734.3 | 14304.6 | 12349.1 | 12101.0 | 11412.3 | 12408.9 | 13082.1 |
| 57.5° | 15524.9 | 15529.4 | 15644.5 | 15956.8 | 15974.5 | 13713.3 | 13432.1 | 12913.8 | 14178.4 | 14865.0 |
| 60°   | 16131.8 | 16162.8 | 16477.2 | 17208.1 | 17442.8 | 15276.9 | 15011.1 | 14687.8 | 16007.7 | 16698.7 |
| 62.5° | 16335.5 | 16448.5 | 17148.3 | 18187.0 | 18893.5 | 17194.8 | 16933.5 | 16740.8 | 17930.1 | 18572.3 |
| 65°   | 15990.0 | 16249.1 | 17602.3 | 18995.3 | 20386.2 | 19473.7 | 19214.6 | 19004.2 | 19927.7 | 20532.3 |
| 67.5° | 15141.8 | 15476.2 | 17575.7 | 19843.6 | 22197.8 | 22215.5 | 21974.1 | 21480.2 | 22069.3 | 22301.9 |
| 70°   | 12907.2 | 13407.7 | 16027.7 | 20160.3 | 24277.4 | 25964.9 | 25732.4 | 24461.2 | 24206.5 | 23081.4 |
| 72.5° | 8316.1  | 8989.4  | 11802.0 | 17553.6 | 24740.2 | 29492.9 | 29479.7 | 27152.0 | 24882.0 | 21566.6 |
| 75°   | 3034.1  | 3446.0  | 5483.6  | 11018.0 | 20767.1 | 29313.5 | 29399.9 | 26691.4 | 22713.8 | 16658.8 |
| 77.5° | 1105.1  | 1209.2  | 1789.5  | 4234.5  | 12772.1 | 23519.9 | 23699.3 | 21338.5 | 16167.2 | 8360.4  |
| 80°   | 580.2   | 637.8   | 916.9   | 1643.3  | 5472.5  | 13968.0 | 14249.3 | 12681.3 | 7598.6  | 2518.1  |
| 82.5° | 321.1   | 347.7   | 513.8   | 892.5   | 2464.9  | 5973.0  | 6141.3  | 5009.6  | 2673.1  | 1067.5  |
| 85°   | 172.7   | 183.8   | 241.4   | 487.2   | 1204.8  | 2070.7  | 2117.2  | 1497.1  | 1065.3  | 626.8   |
| 87.5° | 50.9    | 62.0    | 79.7    | 155.0   | 471.7   | 465.1   | 476.2   | 296.8   | 420.8   | 316.7   |
| 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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CATALOG NUMBER: GLAN-SB6C-835-U-T4W

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4241.1  | 0°    | 4241.1  | 4241.1  | 4241.1 | 4241.1 | 4241.1 | 4241.1 | 4241.1 | 4241.1 | 4241.1 | 4241.1 |
| 4274.3  | 2.5°  | 4261.1  | 4254.4  | 4230.0 | 4219.0 | 4205.7 | 4203.5 | 4214.5 | 4216.8 | 4219.0 | 4221.2 |
| 4323.1  | 5°    | 4300.9  | 4278.8  | 4256.6 | 4243.3 | 4247.8 | 4250.0 | 4272.1 | 4287.6 | 4298.7 | 4307.6 |
| 4413.9  | 7.5°  | 4378.4  | 4360.7  | 4323.1 | 4320.8 | 4327.5 | 4347.4 | 4376.2 | 4411.6 | 4431.6 | 4447.1 |
| 4531.2  | 10°   | 4493.6  | 4460.4  | 4416.1 | 4422.7 | 4436.0 | 4464.8 | 4524.6 | 4553.4 | 4586.6 | 4615.4 |
| 4675.2  | 12.5° | 4611.0  | 4582.2  | 4531.2 | 4535.7 | 4557.8 | 4608.8 | 4666.3 | 4701.8 | 4723.9 | 4746.1 |
| 4830.2  | 15°   | 4763.8  | 4712.8  | 4657.5 | 4657.5 | 4697.3 | 4752.7 | 4779.3 | 4808.1 | 4821.4 | 4845.7 |
| 4996.3  | 17.5° | 4921.0  | 4854.6  | 4781.5 | 4777.1 | 4825.8 | 4852.4 | 4867.9 | 4872.3 | 4876.7 | 4903.3 |
| 5158.0  | 20°   | 5078.3  | 5005.2  | 4901.1 | 4892.2 | 4903.3 | 4898.9 | 4896.7 | 4892.2 | 4898.9 | 4932.1 |
| 5324.1  | 22.5° | 5233.3  | 5149.1  | 5005.2 | 4965.3 | 4934.3 | 4892.2 | 4890.0 | 4887.8 | 4892.2 | 4925.5 |
| 5503.5  | 25°   | 5414.9  | 5313.0  | 5120.3 | 5000.8 | 4896.7 | 4839.1 | 4845.7 | 4847.9 | 4852.4 | 4878.9 |
| 5689.5  | 27.5° | 5612.0  | 5499.1  | 5226.7 | 4989.7 | 4801.4 | 4761.6 | 4750.5 | 4757.1 | 4772.6 | 4814.7 |
| 5875.6  | 30°   | 5809.1  | 5676.2  | 5324.1 | 4945.4 | 4681.8 | 4626.5 | 4591.0 | 4606.5 | 4655.3 | 4697.3 |
| 6037.2  | 32.5° | 5988.5  | 5855.6  | 5401.6 | 4847.9 | 4529.0 | 4442.7 | 4396.1 | 4416.1 | 4464.8 | 4480.3 |
| 6216.6  | 35°   | 6198.9  | 6048.3  | 5434.8 | 4692.9 | 4362.9 | 4230.0 | 4168.0 | 4139.2 | 4163.6 | 4148.1 |
| 6427.0  | 37.5° | 6433.7  | 6276.4  | 5430.4 | 4489.2 | 4168.0 | 4015.2 | 3928.8 | 3820.3 | 3769.4 | 3716.2 |
| 6737.1  | 40°   | 6781.4  | 6555.5  | 5377.3 | 4243.3 | 3926.6 | 3787.1 | 3632.1 | 3448.3 | 3333.1 | 3229.0 |
| 7237.6  | 42.5° | 7255.3  | 6943.0  | 5279.8 | 3973.1 | 3654.2 | 3523.6 | 3313.2 | 3098.3 | 2916.7 | 2744.0 |
| 7997.2  | 45°   | 7961.8  | 7450.2  | 5158.0 | 3685.2 | 3359.7 | 3231.2 | 3003.1 | 2761.7 | 2555.7 | 2334.3 |
| 9075.8  | 47.5° | 8980.5  | 8132.3  | 5042.8 | 3357.5 | 3049.6 | 2932.2 | 2726.3 | 2502.6 | 2259.0 | 2044.2 |
| 10634.9 | 50°   | 10380.2 | 9111.2  | 4936.5 | 3038.5 | 2744.0 | 2655.4 | 2491.5 | 2263.4 | 2017.6 | 1844.8 |
| 12462.0 | 52.5° | 12160.8 | 10442.2 | 4892.2 | 2730.7 | 2458.3 | 2425.1 | 2294.4 | 2081.8 | 1849.3 | 1703.1 |
| 14592.5 | 55°   | 14205.0 | 12034.6 | 4892.2 | 2436.2 | 2208.0 | 2219.1 | 2128.3 | 1931.2 | 1729.7 | 1599.0 |
| 16789.5 | 57.5° | 16291.2 | 13646.9 | 4803.6 | 2163.7 | 1995.4 | 2041.9 | 1984.4 | 1811.6 | 1630.0 | 1494.9 |
| 19099.4 | 60°   | 18213.6 | 14997.8 | 4444.9 | 1915.7 | 1807.2 | 1880.3 | 1842.6 | 1694.2 | 1472.8 | 1359.8 |
| 21030.6 | 62.5° | 19690.7 | 15759.7 | 3753.9 | 1718.6 | 1652.2 | 1736.3 | 1716.4 | 1539.2 | 1444.0 | 1397.5 |
| 22616.3 | 65°   | 20430.5 | 15635.7 | 2870.2 | 1543.6 | 1521.5 | 1652.2 | 1610.1 | 1603.4 | 1528.1 | 1475.0 |
| 23132.4 | 67.5° | 19976.4 | 14568.2 | 2081.8 | 1415.2 | 1446.2 | 1574.6 | 1736.3 | 1762.9 | 1623.4 | 1519.3 |
| 21679.5 | 70°   | 17985.4 | 12637.0 | 1550.3 | 1293.4 | 1351.0 | 1576.9 | 1979.9 | 1844.8 | 1592.4 | 1470.5 |
| 17387.5 | 72.5° | 13682.3 | 9423.5  | 1202.6 | 1164.9 | 1226.9 | 1587.9 | 2088.4 | 1807.2 | 1503.8 | 1625.6 |
| 10832.0 | 75°   | 7824.5  | 5173.5  | 965.6  | 1007.7 | 1071.9 | 1483.8 | 2033.1 | 1709.7 | 1435.1 | 1492.7 |
| 4292.1  | 77.5° | 2983.2  | 1988.8  | 797.3  | 852.7  | 861.5  | 1295.6 | 1944.5 | 1703.1 | 1366.5 | 1333.2 |
| 1286.7  | 80°   | 1034.3  | 777.4   | 660.0  | 677.7  | 666.6  | 1151.6 | 1864.8 | 1481.6 | 1118.4 | 1001.0 |
| 531.5   | 82.5° | 423.0   | 387.6   | 522.7  | 500.5  | 473.9  | 894.7  | 1506.0 | 1211.4 | 914.7  | 808.4  |
| 256.9   | 85°   | 183.8   | 245.8   | 345.5  | 303.4  | 274.6  | 620.1  | 1207.0 | 1025.4 | 772.9  | 666.6  |
| 84.2    | 87.5° | 37.6    | 93.0    | 146.2  | 137.3  | 141.7  | 414.1  | 857.1  | 728.6  | 547.0  | 409.7  |
| 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°   |
|--------|
| 4241.1 |
| 4230.0 |
| 4312.0 |
| 4451.5 |
| 4608.8 |
| 4754.9 |
| 4854.6 |
| 4912.2 |
| 4945.4 |
| 4947.6 |
| 4914.4 |
| 4856.8 |
| 4743.9 |
| 4535.7 |
| 4196.8 |
| 3749.5 |
| 3235.7 |
| 2728.5 |
| 2307.7 |
| 2019.8 |
| 1833.8 |
| 1692.0 |
| 1585.7 |
| 1472.8 |
| 1342.1 |
| 1382.0 |
| 1457.3 |
| 1501.6 |
| 1450.6 |
| 1612.3 |
| 1492.7 |
| 1215.9 |
| 967.8  |
| 799.5  |
| 664.4  |
| 321.1  |
| 0.0    |