

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: P848795

Luminaire Tested: **GLAN-SB5C-740-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848795  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5C-740-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 4000K, 615mA 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: 29226 lumens  
Efficiency: N/A  
Efficacy: 117.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4

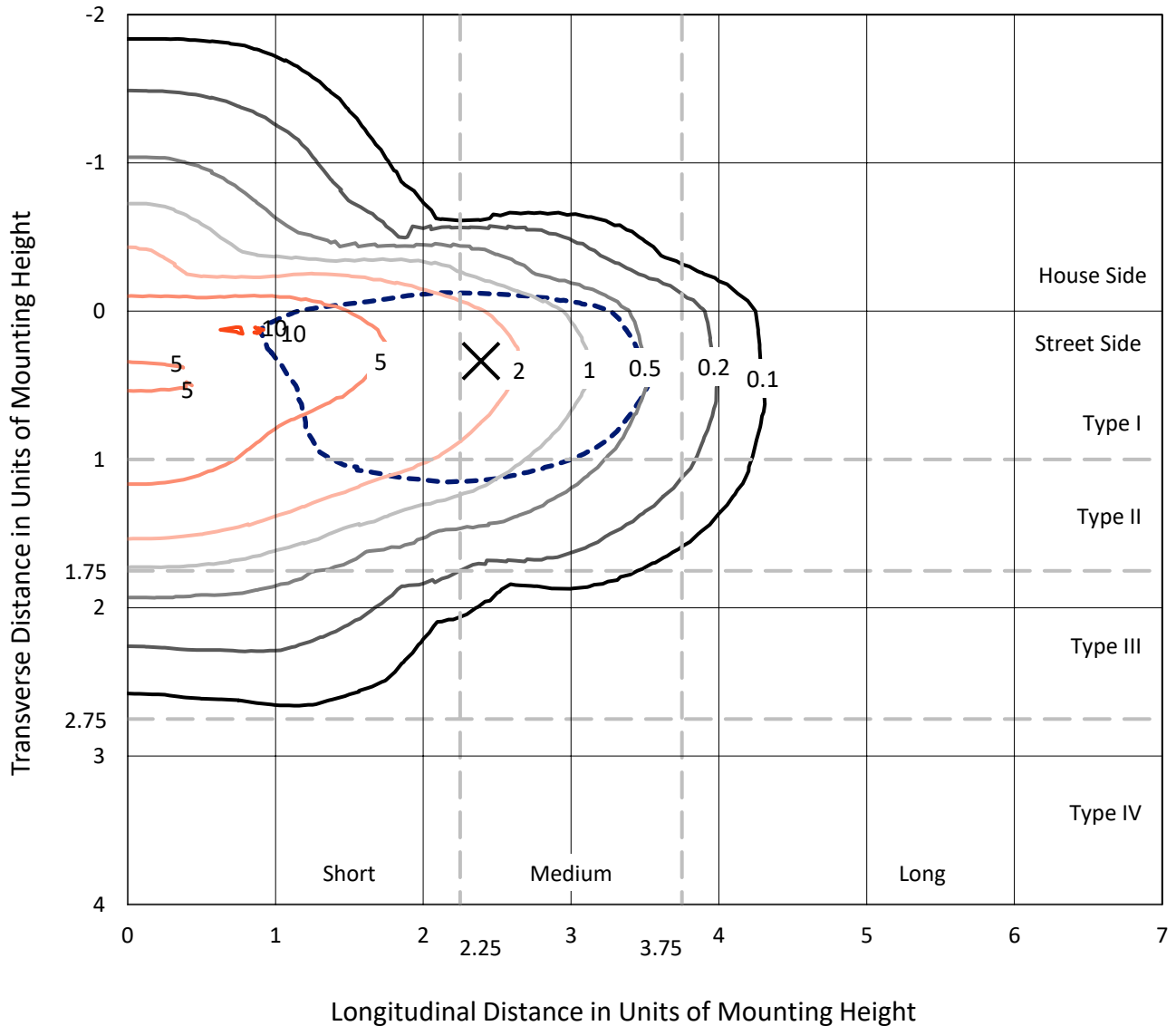
Input Watts (W): 249.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

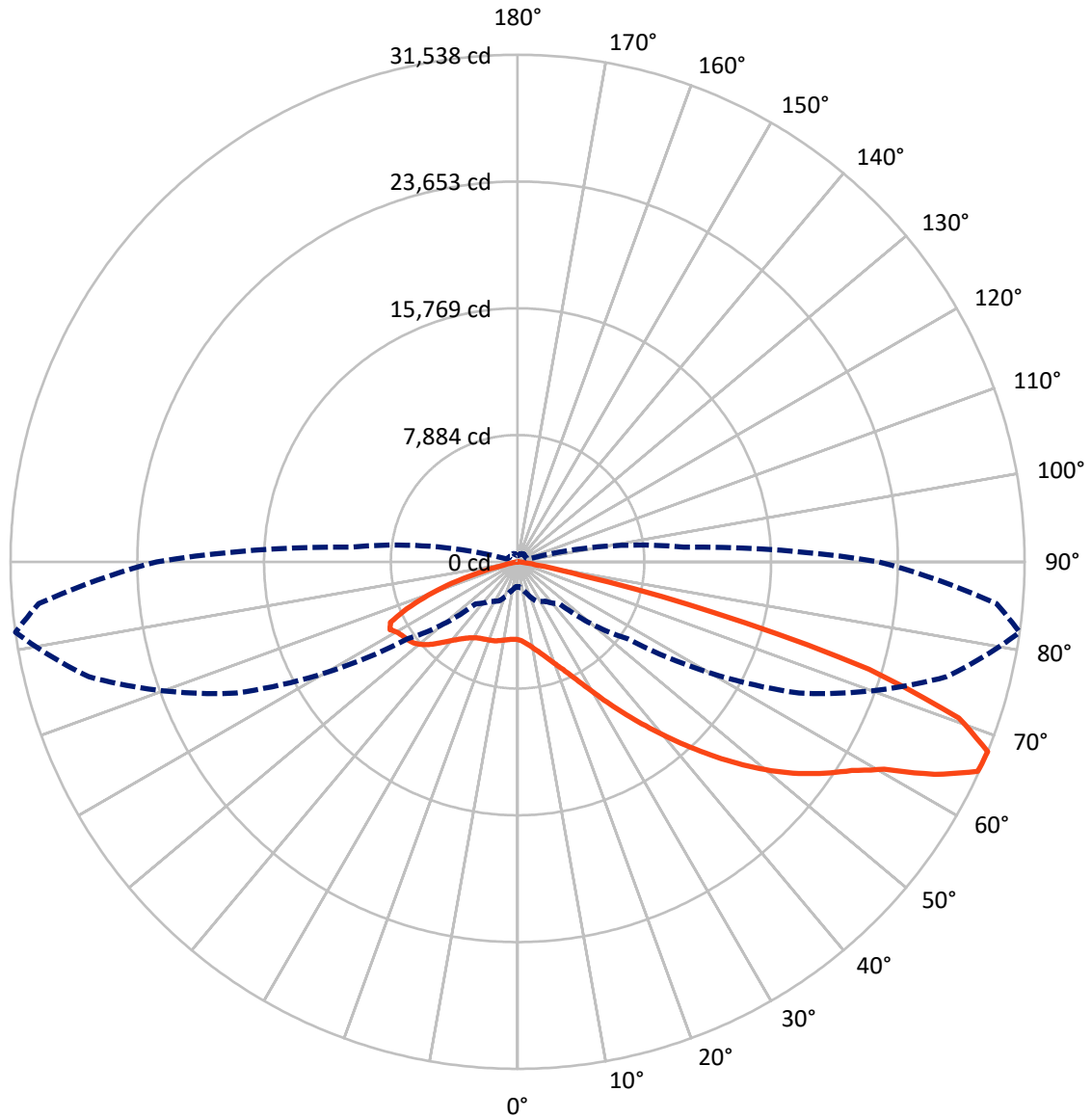
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5294.0   | 0.0    | 5294.0  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 23932.0  | 0.0    | 23932.0 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 29226.0  | 0.0    | 29226.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 431.4   | 1.5       |
| 10°-20°   | 1120.9  | 3.8       |
| 20°-30°   | 1795.4  | 6.1       |
| 30°-40°   | 3174.8  | 10.9      |
| 40°-50°   | 5562.6  | 19.0      |
| 50°-60°   | 7418.9  | 25.4      |
| 60°-70°   | 6906.6  | 23.6      |
| 70°-80°   | 2650.8  | 9.1       |
| 80°-90°   | 164.6   | 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°    | 29226.0 | 100.0     |
| 0°-180°   | 29226.0 | 100.0     |

**Coefficient of Utilization**

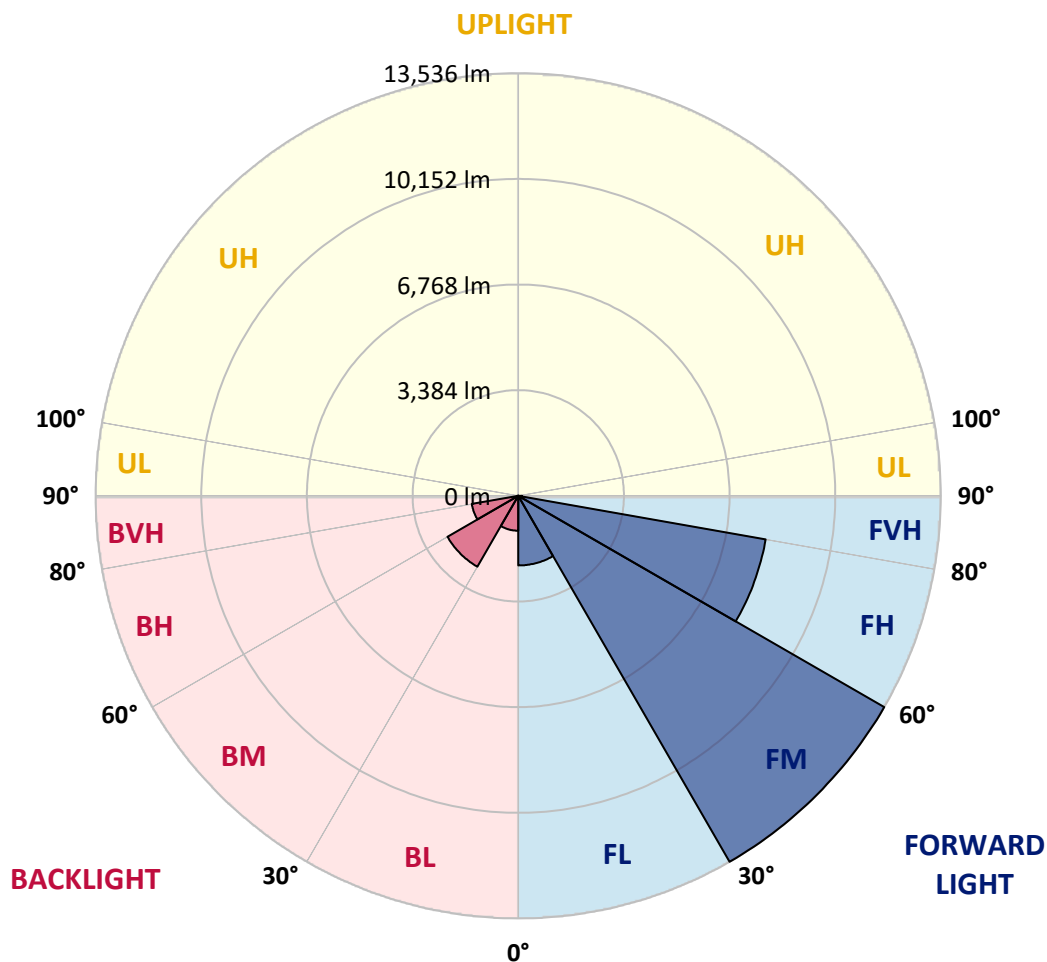


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|----------------|---------|-----------|-------------------------|------|----------|
|                |         |           | B                       | U    | G        |
| FL (0°-30°)    | 2229.6  | 7.6       |                         |      |          |
| FM (30°-60°)   | 13536.3 | 46.3      |                         |      |          |
| FH (60°-80°)   | 8046.4  | 27.5      |                         |      | G4/12000 |
| FVH (80°-90°)  | 119.7   | 0.4       |                         |      | G2/225   |
| BL (0°-30°)    | 1118.1  | 3.8       | B3/2500                 |      |          |
| BM (30°-60°)   | 2620.0  | 9.0       | B3/5000                 |      |          |
| BH (60°-80°)   | 1511.0  | 5.2       | B3/2500                 |      | G3/2500  |
| BVH (80°-90°)  | 44.9    | 0.2       |                         |      | G1/100   |
| UL (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B3-U0-G4**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 82°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4841.8  | 4841.8  | 4841.8  | 4841.8  | 4841.8  | 4841.8  | 4841.8  | 4841.8  | 4841.8  | 4841.8  |
| 2.5°  | 5117.4  | 5146.9  | 5130.0  | 5121.6  | 5106.9  | 5085.8  | 5069.0  | 5016.4  | 4961.7  | 4925.9  |
| 5°    | 5220.5  | 5250.0  | 5247.9  | 5256.3  | 5266.8  | 5273.1  | 5268.9  | 5210.0  | 5132.1  | 5071.1  |
| 7.5°  | 5132.1  | 5165.8  | 5193.2  | 5235.2  | 5308.9  | 5386.7  | 5424.6  | 5412.0  | 5332.0  | 5247.9  |
| 10°   | 4881.7  | 4917.5  | 4982.7  | 5081.6  | 5237.3  | 5405.7  | 5546.7  | 5611.9  | 5561.4  | 5468.8  |
| 12.5° | 4423.0  | 4458.8  | 4587.2  | 4801.8  | 5062.7  | 5355.2  | 5624.5  | 5799.2  | 5811.8  | 5719.2  |
| 15°   | 3907.5  | 3943.3  | 4080.0  | 4349.4  | 4747.1  | 5216.3  | 5666.6  | 5997.0  | 6108.5  | 6028.5  |
| 17.5° | 3587.7  | 3619.2  | 3722.3  | 3939.1  | 4353.6  | 4938.6  | 5651.9  | 6207.4  | 6462.0  | 6398.9  |
| 20°   | 3490.9  | 3518.2  | 3566.6  | 3718.1  | 4063.2  | 4650.3  | 5555.1  | 6405.2  | 6842.9  | 6807.1  |
| 22.5° | 3594.0  | 3619.2  | 3633.9  | 3701.3  | 3918.0  | 4460.9  | 5433.0  | 6607.2  | 7284.7  | 7288.9  |
| 25°   | 3831.7  | 3857.0  | 3840.2  | 3882.2  | 3976.9  | 4402.0  | 5386.7  | 6845.0  | 7840.2  | 7886.5  |
| 27.5° | 4223.1  | 4225.2  | 4185.2  | 4183.1  | 4197.9  | 4490.4  | 5435.1  | 7099.6  | 8540.9  | 8627.2  |
| 30°   | 5008.0  | 4976.4  | 4822.8  | 4656.6  | 4580.8  | 4755.5  | 5569.8  | 7400.5  | 9367.9  | 9521.5  |
| 32.5° | 6217.9  | 6171.6  | 5889.6  | 5492.0  | 5092.2  | 5182.6  | 5811.8  | 7743.4  | 10268.5 | 10546.2 |
| 35°   | 7530.9  | 7518.3  | 7223.7  | 6632.4  | 5933.8  | 5790.8  | 6205.3  | 8193.7  | 11251.1 | 11693.0 |
| 37.5° | 8751.4  | 8745.0  | 8576.7  | 7880.2  | 7030.1  | 6638.7  | 6836.5  | 8782.9  | 12303.2 | 12942.9 |
| 40°   | 9866.6  | 9885.5  | 9717.2  | 9094.3  | 8237.9  | 7726.6  | 7695.1  | 9511.0  | 13473.2 | 14304.3 |
| 42.5° | 10830.3 | 10851.3 | 10680.9 | 10220.1 | 9431.0  | 8930.2  | 8749.3  | 10403.2 | 14615.8 | 15766.8 |
| 45°   | 11484.7 | 11615.2 | 11589.9 | 11221.7 | 10655.7 | 10135.9 | 10016.0 | 11522.6 | 15918.3 | 17317.5 |
| 47.5° | 11669.9 | 11789.8 | 11979.2 | 12029.7 | 11684.6 | 11173.3 | 11316.4 | 12871.4 | 17235.5 | 18870.4 |
| 50°   | 11213.3 | 11324.8 | 11718.3 | 12242.2 | 12482.1 | 12324.3 | 12581.0 | 14317.0 | 18584.3 | 20419.1 |
| 52.5° | 10312.7 | 10426.3 | 10922.9 | 11751.9 | 12730.4 | 13227.0 | 13849.8 | 15741.5 | 19891.0 | 21885.8 |
| 55°   | 9010.2  | 9130.1  | 9767.7  | 10706.2 | 12257.0 | 13599.4 | 14908.2 | 17163.9 | 21088.3 | 23205.1 |
| 57.5° | 7238.4  | 7326.8  | 7989.6  | 9302.7  | 11066.0 | 13229.1 | 15688.9 | 18716.8 | 22216.1 | 24501.3 |
| 60°   | 4717.6  | 4795.5  | 5565.6  | 7030.1  | 9092.2  | 11991.8 | 15844.6 | 20448.6 | 23714.3 | 26186.7 |
| 62.5° | 3137.4  | 3190.0  | 3646.6  | 4721.8  | 6403.1  | 9616.2  | 14933.5 | 21831.1 | 25911.1 | 29120.0 |
| 65°   | 2152.6  | 2205.2  | 2661.8  | 3410.9  | 4136.9  | 6361.0  | 12313.8 | 21648.0 | 27901.7 | 31449.3 |
| 67.5° | 1536.1  | 1580.3  | 1967.4  | 2674.4  | 2994.3  | 3695.0  | 8347.4  | 19308.1 | 27615.5 | 31537.7 |
| 70°   | 1100.5  | 1125.7  | 1445.6  | 2083.2  | 2379.8  | 2219.9  | 4641.9  | 14767.3 | 24179.3 | 29122.1 |
| 72.5° | 770.1   | 778.6   | 1003.7  | 1586.6  | 1916.9  | 1620.2  | 2209.4  | 9845.5  | 18287.6 | 22857.9 |
| 75°   | 521.8   | 532.4   | 675.4   | 1163.6  | 1538.2  | 1237.3  | 1169.9  | 5279.4  | 10735.6 | 12652.5 |
| 77.5° | 319.8   | 324.0   | 435.6   | 795.4   | 1151.0  | 942.7   | 753.3   | 2236.8  | 4153.7  | 4077.9  |
| 80°   | 181.0   | 181.0   | 277.8   | 494.5   | 784.9   | 608.1   | 528.2   | 951.1   | 1315.1  | 1155.2  |
| 82.5° | 101.0   | 103.1   | 202.0   | 307.2   | 519.7   | 359.8   | 290.4   | 439.8   | 568.1   | 502.9   |
| 85°   | 42.1    | 46.3    | 124.1   | 145.2   | 248.3   | 178.9   | 117.8   | 185.2   | 210.4   | 187.3   |
| 87.5° | 4.2     | 6.3     | 37.9    | 27.4    | 29.5    | 35.8    | 16.8    | 35.8    | 29.5    | 29.5    |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4841.8  | 0°    | 4841.8  | 4841.8  | 4841.8 | 4841.8 | 4841.8 | 4841.8 | 4841.8 | 4841.8 | 4841.8 | 4841.8 |
| 4913.3  | 2.5°  | 4873.3  | 4841.8  | 4761.8 | 4669.2 | 4547.2 | 4488.3 | 4408.3 | 4353.6 | 4307.3 | 4311.5 |
| 5035.3  | 5°    | 4968.0  | 4888.1  | 4709.2 | 4486.1 | 4208.4 | 4010.6 | 3800.2 | 3655.0 | 3537.2 | 3511.9 |
| 5203.7  | 7.5°  | 5098.5  | 4972.2  | 4658.7 | 4256.8 | 3787.6 | 3431.9 | 3114.2 | 2910.1 | 2764.9 | 2718.6 |
| 5407.8  | 10°   | 5266.8  | 5083.7  | 4593.5 | 3968.5 | 3293.1 | 2840.7 | 2499.8 | 2339.9 | 2241.0 | 2207.3 |
| 5647.7  | 12.5° | 5462.5  | 5212.1  | 4507.2 | 3617.1 | 2783.9 | 2348.3 | 2131.6 | 2051.6 | 2020.0 | 2009.5 |
| 5942.3  | 15°   | 5708.7  | 5372.0  | 4376.7 | 3200.5 | 2352.5 | 2047.4 | 1954.8 | 1944.3 | 1948.5 | 1944.3 |
| 6295.8  | 17.5° | 6001.2  | 5546.7  | 4164.2 | 2771.2 | 2062.1 | 1893.8 | 1860.1 | 1868.5 | 1879.0 | 1876.9 |
| 6691.3  | 20°   | 6321.0  | 5719.2  | 3892.8 | 2390.4 | 1864.3 | 1784.4 | 1765.4 | 1773.8 | 1782.3 | 1778.0 |
| 7148.0  | 22.5° | 6685.0  | 5904.4  | 3591.9 | 2093.7 | 1731.8 | 1683.4 | 1662.3 | 1664.4 | 1664.4 | 1656.0 |
| 7726.6  | 25°   | 7120.6  | 6108.5  | 3276.2 | 1883.3 | 1630.8 | 1592.9 | 1567.6 | 1559.2 | 1546.6 | 1521.3 |
| 8429.4  | 27.5° | 7640.3  | 6325.2  | 2973.2 | 1736.0 | 1550.8 | 1515.0 | 1485.6 | 1464.5 | 1433.0 | 1390.9 |
| 9273.2  | 30°   | 8225.3  | 6588.2  | 2716.5 | 1643.4 | 1487.7 | 1451.9 | 1418.2 | 1386.7 | 1340.4 | 1287.8 |
| 10243.2 | 32.5° | 8913.4  | 6870.2  | 2529.2 | 1582.4 | 1430.9 | 1393.0 | 1353.0 | 1315.1 | 1264.6 | 1212.0 |
| 11333.2 | 35°   | 9734.0  | 7211.1  | 2419.8 | 1540.3 | 1386.7 | 1336.2 | 1292.0 | 1249.9 | 1212.0 | 1165.7 |
| 12517.9 | 37.5° | 10624.1 | 7573.0  | 2386.2 | 1519.2 | 1357.2 | 1279.4 | 1228.9 | 1199.4 | 1195.2 | 1167.8 |
| 13799.3 | 40°   | 11598.3 | 8002.3  | 2411.4 | 1506.6 | 1325.6 | 1224.6 | 1169.9 | 1163.6 | 1174.1 | 1125.7 |
| 15169.2 | 42.5° | 12629.4 | 8511.5  | 2453.5 | 1491.9 | 1281.5 | 1169.9 | 1117.3 | 1117.3 | 1108.9 | 1041.6 |
| 16616.9 | 45°   | 13744.6 | 9098.6  | 2495.6 | 1456.1 | 1228.9 | 1115.2 | 1075.2 | 1060.5 | 1024.7 | 959.5  |
| 18073.0 | 47.5° | 14868.3 | 9696.1  | 2527.1 | 1390.9 | 1165.7 | 1068.9 | 1033.2 | 999.5  | 946.9  | 888.0  |
| 19501.7 | 50°   | 15935.1 | 10232.7 | 2493.5 | 1294.1 | 1094.2 | 1024.7 | 986.9  | 940.6  | 883.8  | 843.8  |
| 20854.7 | 52.5° | 16888.3 | 10697.7 | 2350.4 | 1180.5 | 1018.4 | 978.5  | 944.8  | 896.4  | 850.1  | 808.0  |
| 22075.1 | 55°   | 17717.3 | 11074.4 | 2097.9 | 1073.1 | 951.1  | 938.5  | 904.8  | 843.8  | 780.7  | 744.9  |
| 23285.1 | 57.5° | 18512.7 | 11360.6 | 1782.3 | 984.8  | 890.1  | 894.3  | 843.8  | 789.1  | 730.2  | 692.3  |
| 24915.8 | 60°   | 19571.1 | 11743.5 | 1462.4 | 902.7  | 824.8  | 837.5  | 782.8  | 742.8  | 669.1  | 620.7  |
| 27712.3 | 62.5° | 21262.9 | 12339.0 | 1161.5 | 801.7  | 749.1  | 753.3  | 730.2  | 681.8  | 593.4  | 536.6  |
| 29784.9 | 65°   | 22605.4 | 12120.2 | 915.3  | 692.3  | 662.8  | 669.1  | 669.1  | 616.5  | 521.8  | 456.6  |
| 29896.4 | 67.5° | 22453.9 | 10377.9 | 730.2  | 585.0  | 580.8  | 585.0  | 599.7  | 555.5  | 462.9  | 410.3  |
| 27619.7 | 70°   | 20684.3 | 8254.8  | 585.0  | 486.1  | 505.0  | 494.5  | 536.6  | 507.1  | 416.6  | 364.0  |
| 21412.3 | 72.5° | 16877.8 | 5946.5  | 446.1  | 401.9  | 387.2  | 404.0  | 484.0  | 456.6  | 347.2  | 288.3  |
| 11341.6 | 75°   | 9862.4  | 3173.1  | 332.5  | 317.7  | 279.9  | 336.7  | 429.3  | 389.3  | 265.1  | 212.5  |
| 3476.1  | 77.5° | 3211.0  | 1106.8  | 244.1  | 233.6  | 208.3  | 271.4  | 366.1  | 328.3  | 216.7  | 168.3  |
| 1018.4  | 80°   | 860.6   | 334.6   | 166.2  | 153.6  | 134.7  | 202.0  | 290.4  | 260.9  | 155.7  | 109.4  |
| 437.7   | 82.5° | 345.1   | 141.0   | 96.8   | 86.3   | 73.6   | 138.9  | 229.4  | 210.4  | 115.7  | 69.4   |
| 136.8   | 85°   | 111.5   | 46.3    | 35.8   | 27.4   | 33.7   | 86.3   | 136.8  | 143.1  | 82.1   | 35.8   |
| 21.0    | 87.5° | 14.7    | 6.3     | 6.3    | 8.4    | 6.3    | 14.7   | 42.1   | 40.0   | 23.1   | 4.2    |
| 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°   |
|--------|
| 4841.8 |
| 4269.4 |
| 3455.1 |
| 2672.3 |
| 2182.1 |
| 2003.2 |
| 1942.2 |
| 1872.7 |
| 1775.9 |
| 1651.8 |
| 1517.1 |
| 1386.7 |
| 1283.6 |
| 1214.1 |
| 1161.5 |
| 1165.7 |
| 1127.9 |
| 1041.6 |
| 957.4  |
| 885.9  |
| 837.5  |
| 803.8  |
| 740.7  |
| 688.1  |
| 614.4  |
| 532.4  |
| 450.3  |
| 401.9  |
| 357.7  |
| 282.0  |
| 206.2  |
| 162.0  |
| 107.3  |
| 69.4   |
| 27.4   |
| 0.0    |
| 0.0    |

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