

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: P952702

Luminaire Tested: **GLAN-SB6C-722-U-T3R**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P952702  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6C-722-U-T3R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 38514 lumens  
Efficiency: N/A  
Efficacy: 128.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - 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

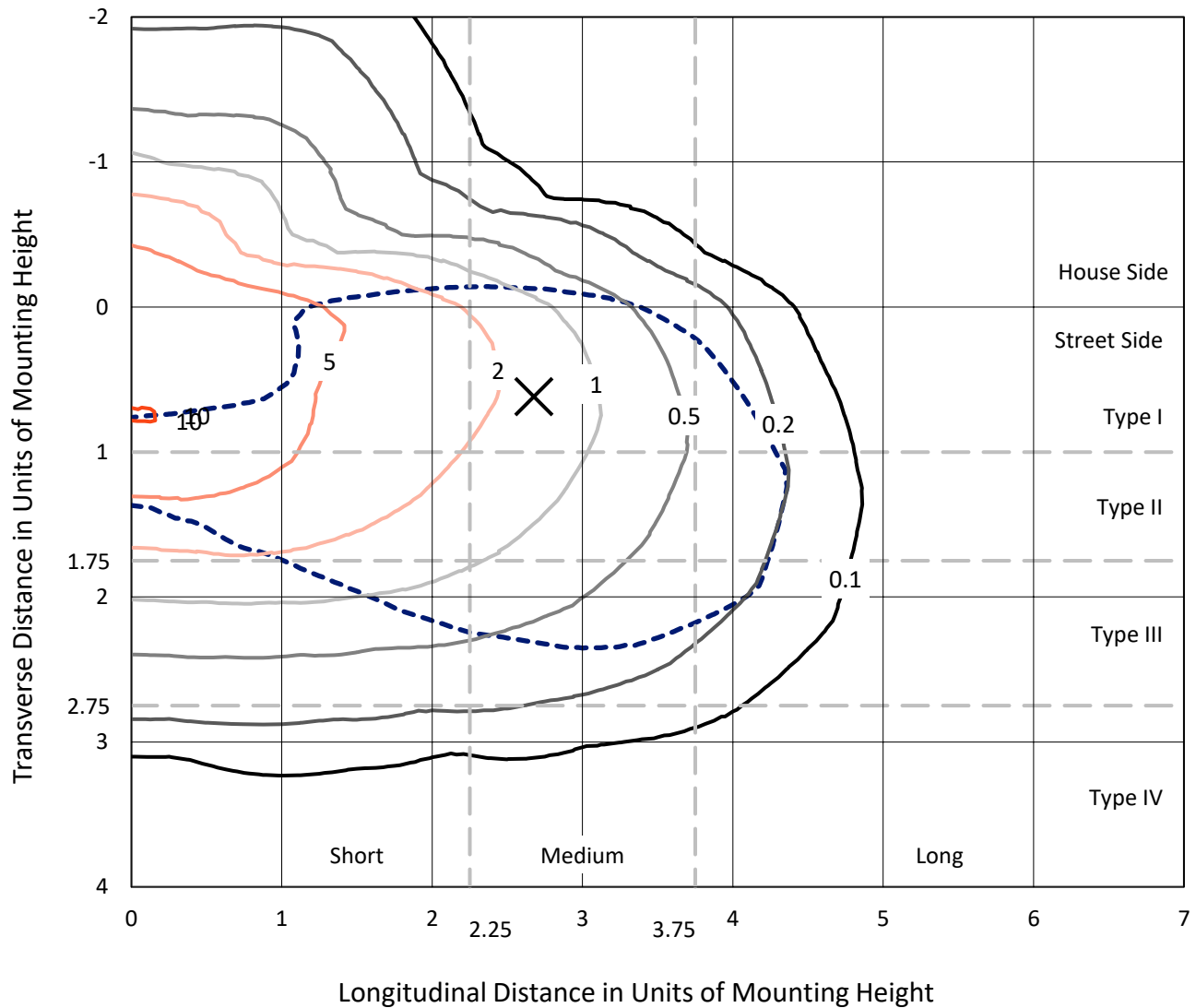


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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
- - - 1/2 Max cd

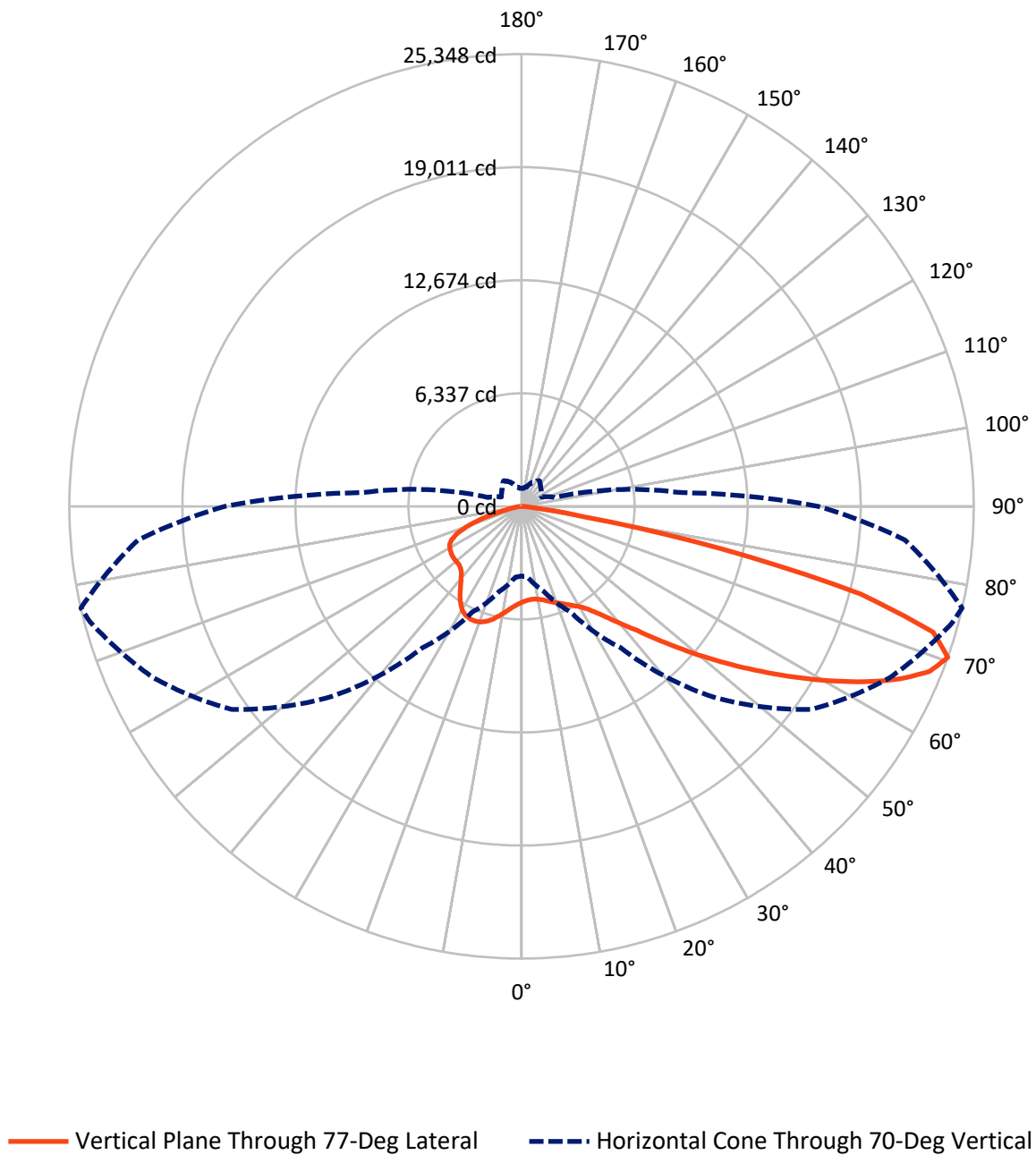


Based on 25 foot mounting height. Maximum calculated value = 10.2 fc  
Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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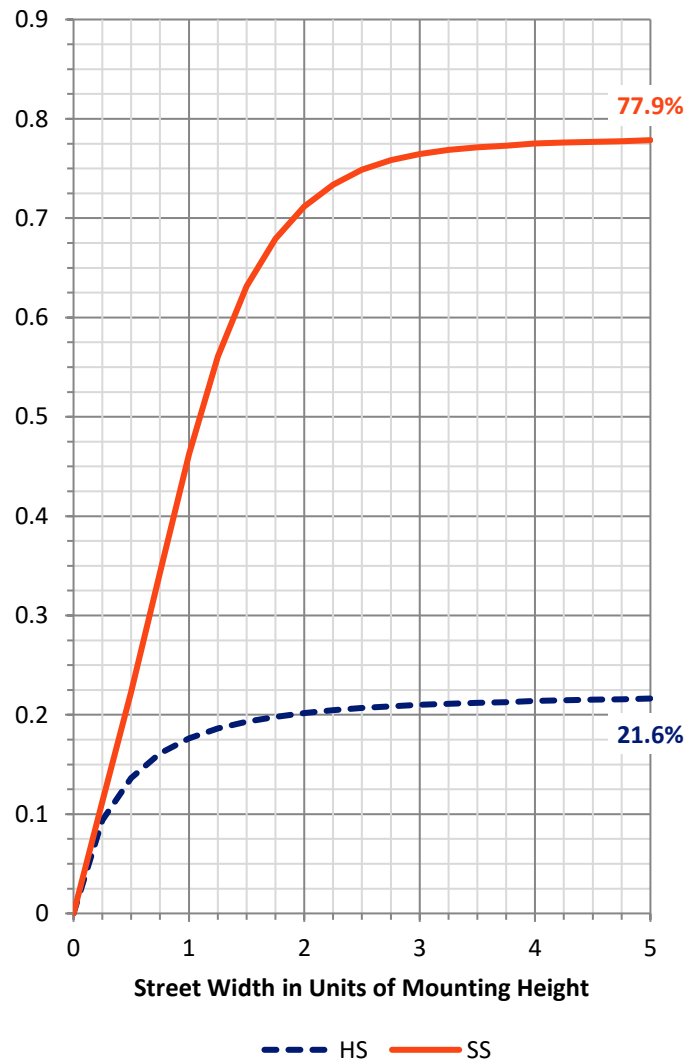
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 8434.0   | 0.0    | 8434.0  |
|                    | % Fixture | 21.9     | 0.0    | 21.9    |
| <b>Street Side</b> | Lumens    | 30080.0  | 0.0    | 30080.0 |
|                    | % Fixture | 78.1     | 0.0    | 78.1    |
| <b>Total</b>       | Lumens    | 38514.0  | 0.0    | 38514.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 512.4   | 1.3       |
| 10°-20°   | 1479.0  | 3.8       |
| 20°-30°   | 2529.2  | 6.6       |
| 30°-40°   | 4067.3  | 10.6      |
| 40°-50°   | 6350.1  | 16.5      |
| 50°-60°   | 8482.2  | 22.0      |
| 60°-70°   | 9040.7  | 23.5      |
| 70°-80°   | 5565.4  | 14.5      |
| 80°-90°   | 487.7   | 1.3       |
| 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°    | 38514.0 | 100.0     |
| 0°-180°   | 38514.0 | 100.0     |

**Coefficient of Utilization**



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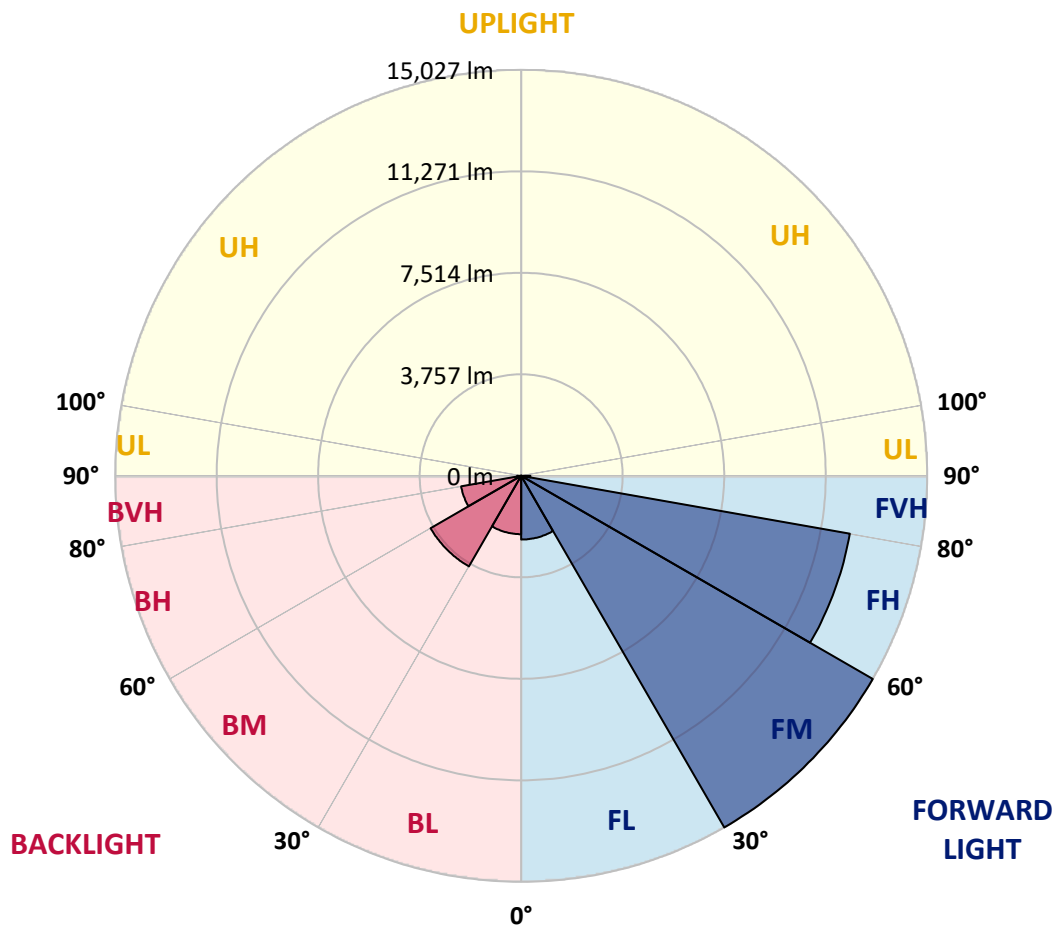
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2359.6  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 15027.3 | 39.0      |                         |      |         |
| FH   | (60°-80°)   | 12352.1 | 32.1      |                         |      | G5      |
| FVH  | (80°-90°)   | 341.0   | 0.9       |                         |      | G3/500  |
| BL   | (0°-30°)    | 2161.0  | 5.6       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 3872.2  | 10.1      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2254.0  | 5.9       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 146.7   | 0.4       |                         |      | G2/225  |
| 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 Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5373.1  | 5373.1  | 5373.1  | 5373.1  | 5373.1  | 5373.1  | 5373.1  | 5373.1  | 5373.1  | 5373.1  |
| 2.5°  | 4952.9  | 4950.9  | 4976.6  | 4984.5  | 5031.8  | 5065.3  | 5128.5  | 5195.5  | 5282.3  | 5292.2  |
| 5°    | 4666.9  | 4666.9  | 4696.5  | 4728.1  | 4789.2  | 4856.3  | 4952.9  | 5069.3  | 5219.2  | 5242.9  |
| 7.5°  | 4424.3  | 4440.1  | 4465.7  | 4526.9  | 4597.9  | 4694.5  | 4842.5  | 5008.1  | 5205.4  | 5242.9  |
| 10°   | 4229.0  | 4246.8  | 4278.3  | 4327.6  | 4434.2  | 4568.3  | 4761.6  | 4974.6  | 5238.9  | 5298.1  |
| 12.5° | 4167.9  | 4185.6  | 4203.4  | 4240.8  | 4339.5  | 4497.3  | 4728.1  | 4990.4  | 5319.8  | 5379.0  |
| 15°   | 4309.9  | 4331.6  | 4317.8  | 4307.9  | 4359.2  | 4503.2  | 4743.8  | 5047.6  | 5420.4  | 5505.2  |
| 17.5° | 4637.3  | 4645.2  | 4613.6  | 4520.9  | 4513.1  | 4590.0  | 4818.8  | 5126.5  | 5546.6  | 5639.3  |
| 20°   | 5165.9  | 5152.1  | 5087.0  | 4903.6  | 4799.1  | 4783.3  | 4947.0  | 5244.8  | 5676.8  | 5775.4  |
| 22.5° | 5883.9  | 5868.1  | 5738.0  | 5448.0  | 5215.3  | 5061.4  | 5132.4  | 5398.7  | 5822.8  | 5933.2  |
| 25°   | 6779.4  | 6757.7  | 6566.4  | 6171.9  | 5810.9  | 5430.3  | 5384.9  | 5601.9  | 6002.3  | 6104.8  |
| 27.5° | 7824.9  | 7807.1  | 7600.0  | 7079.3  | 6558.5  | 5935.2  | 5698.5  | 5840.5  | 6189.7  | 6306.0  |
| 30°   | 8949.2  | 9000.5  | 8633.6  | 8073.4  | 7414.6  | 6594.0  | 6120.6  | 6134.4  | 6432.3  | 6536.8  |
| 32.5° | 10270.7 | 10359.5 | 9917.7  | 9207.6  | 8308.1  | 7310.0  | 6653.2  | 6544.7  | 6785.4  | 6872.1  |
| 35°   | 11580.5 | 11681.1 | 11314.2 | 10529.1 | 9493.6  | 8154.3  | 7209.4  | 7016.1  | 7254.8  | 7349.5  |
| 37.5° | 12712.7 | 12846.8 | 12657.4 | 11975.0 | 10761.9 | 9172.1  | 7935.3  | 7570.4  | 7832.7  | 7951.1  |
| 40°   | 13606.2 | 13811.4 | 13797.5 | 13371.5 | 12257.0 | 10406.8 | 8856.5  | 8254.9  | 8550.7  | 8678.9  |
| 42.5° | 14332.1 | 14509.6 | 14663.5 | 14641.8 | 13817.3 | 11809.3 | 9939.4  | 9144.4  | 9369.3  | 9517.2  |
| 45°   | 14833.1 | 15022.5 | 15353.8 | 15710.9 | 15318.3 | 13310.3 | 11180.1 | 10199.7 | 10404.9 | 10627.8 |
| 47.5° | 15280.9 | 15495.9 | 15925.9 | 16492.0 | 16592.6 | 14817.3 | 12539.1 | 11428.6 | 11616.0 | 11846.8 |
| 50°   | 15320.3 | 15505.7 | 16172.4 | 16975.2 | 17497.9 | 16265.1 | 13998.7 | 12807.4 | 12982.9 | 13229.5 |
| 52.5° | 14367.6 | 14659.5 | 15823.3 | 16961.4 | 17914.1 | 17476.2 | 15448.5 | 14241.4 | 14438.6 | 14734.5 |
| 55°   | 11152.4 | 11580.5 | 14799.6 | 16432.8 | 17766.2 | 18259.3 | 16827.3 | 15766.1 | 16018.6 | 16328.2 |
| 57.5° | 9606.0  | 9793.4  | 11748.1 | 15470.2 | 17091.6 | 18462.5 | 17991.1 | 17306.6 | 17712.9 | 18052.2 |
| 60°   | 8633.6  | 8789.4  | 9945.3  | 13973.1 | 16204.0 | 18141.0 | 18890.5 | 18742.6 | 19444.8 | 19849.1 |
| 62.5° | 7592.1  | 7740.0  | 8791.4  | 11667.3 | 15067.8 | 17606.4 | 19458.6 | 20068.1 | 21220.0 | 21661.9 |
| 65°   | 6558.5  | 6684.8  | 7692.7  | 9803.3  | 13624.0 | 17071.9 | 19752.5 | 21214.1 | 22863.1 | 23320.7 |
| 67.5° | 5406.6  | 5511.1  | 6463.8  | 8270.6  | 11868.5 | 16340.1 | 19898.4 | 22115.5 | 24293.1 | 24685.7 |
| 70°   | 3901.6  | 3982.5  | 4966.7  | 6540.8  | 9665.2  | 15081.6 | 19839.3 | 22754.6 | 25034.8 | 25348.4 |
| 72.5° | 1844.3  | 1917.3  | 3073.1  | 4246.8  | 6826.8  | 12631.8 | 18642.0 | 22247.7 | 24281.3 | 24125.5 |
| 75°   | 984.3   | 1047.4  | 1765.4  | 2329.5  | 3605.7  | 8659.2  | 15255.2 | 19164.7 | 20389.6 | 19632.2 |
| 77.5° | 666.7   | 716.0   | 1092.8  | 1398.5  | 1647.0  | 4110.7  | 9805.2  | 13268.9 | 12765.9 | 11515.4 |
| 80°   | 528.6   | 579.9   | 895.5   | 946.8   | 796.9   | 1485.3  | 4051.5  | 6142.3  | 4412.5  | 3528.8  |
| 82.5° | 406.3   | 463.5   | 753.5   | 686.4   | 433.9   | 609.5   | 1179.5  | 1942.9  | 1130.2  | 860.0   |
| 85°   | 248.5   | 309.7   | 591.7   | 437.9   | 244.6   | 278.1   | 400.4   | 540.5   | 345.2   | 288.0   |
| 87.5° | 126.2   | 177.5   | 299.8   | 159.8   | 110.5   | 65.1    | 106.5   | 106.5   | 90.7    | 78.9    |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5373.1  | 0°    | 5373.1  | 5373.1  | 5373.1 | 5373.1 | 5373.1 | 5373.1 | 5373.1 | 5373.1 | 5373.1 | 5373.1 |
| 5345.4  | 2.5°  | 5392.8  | 5432.2  | 5499.3 | 5562.4 | 5611.7 | 5659.1 | 5706.4 | 5732.0 | 5739.9 | 5771.5 |
| 5375.0  | 5°    | 5455.9  | 5528.9  | 5659.1 | 5781.4 | 5858.3 | 5905.6 | 5939.2 | 5958.9 | 5962.8 | 5972.7 |
| 5455.9  | 7.5°  | 5572.3  | 5688.7  | 5870.1 | 5992.4 | 6049.6 | 6045.7 | 6031.9 | 5982.6 | 5962.8 | 5945.1 |
| 5574.2  | 10°   | 5736.0  | 5889.8  | 6112.7 | 6197.6 | 6162.0 | 6067.4 | 5945.1 | 5801.1 | 5734.0 | 5668.9 |
| 5736.0  | 12.5° | 5939.2  | 6134.4  | 6353.4 | 6349.4 | 6173.9 | 5931.3 | 5647.2 | 5426.3 | 5286.3 | 5185.7 |
| 5935.2  | 15°   | 6185.7  | 6410.6  | 6578.2 | 6444.1 | 6059.5 | 5623.6 | 5207.4 | 4919.4 | 4793.1 | 4682.7 |
| 6136.4  | 17.5° | 6440.2  | 6680.8  | 6757.7 | 6414.5 | 5771.5 | 5167.9 | 4696.5 | 4469.7 | 4345.4 | 4286.2 |
| 6353.4  | 20°   | 6688.7  | 6927.4  | 6864.3 | 6244.9 | 5333.6 | 4651.1 | 4231.0 | 4106.7 | 4081.1 | 4094.9 |
| 6564.4  | 22.5° | 6951.0  | 7164.1  | 6886.0 | 5917.5 | 4775.4 | 4122.5 | 3891.7 | 3895.7 | 3952.9 | 3994.3 |
| 6785.4  | 25°   | 7219.3  | 7363.3  | 6828.7 | 5444.1 | 4175.8 | 3733.9 | 3676.7 | 3739.8 | 3852.3 | 3933.1 |
| 7033.9  | 27.5° | 7477.7  | 7540.8  | 6704.5 | 4858.2 | 3660.9 | 3455.8 | 3465.7 | 3595.8 | 3765.5 | 3877.9 |
| 7335.7  | 30°   | 7769.6  | 7698.6  | 6465.8 | 4199.4 | 3303.9 | 3217.1 | 3300.0 | 3451.9 | 3621.5 | 3722.1 |
| 7716.4  | 32.5° | 8099.0  | 7834.7  | 6087.1 | 3589.9 | 3051.4 | 3025.8 | 3161.9 | 3260.5 | 3335.5 | 3365.1 |
| 8221.3  | 35°   | 8509.3  | 8026.0  | 5601.9 | 3161.9 | 2824.6 | 2885.7 | 3015.9 | 2966.6 | 2937.0 | 2921.3 |
| 8899.9  | 37.5° | 9041.9  | 8284.4  | 5033.8 | 2883.8 | 2641.2 | 2785.2 | 2838.4 | 2684.6 | 2568.2 | 2511.0 |
| 9722.4  | 40°   | 9682.9  | 8663.2  | 4487.4 | 2668.8 | 2524.8 | 2698.4 | 2605.7 | 2420.2 | 2272.3 | 2191.4 |
| 10647.5 | 42.5° | 10395.0 | 9059.6  | 4027.8 | 2507.0 | 2459.7 | 2627.4 | 2434.0 | 2213.1 | 1974.5 | 1948.8 |
| 11750.1 | 45°   | 11142.6 | 9467.9  | 3714.2 | 2382.8 | 2428.1 | 2566.2 | 2335.4 | 1978.4 | 1808.8 | 1913.3 |
| 12856.7 | 47.5° | 11890.2 | 9842.7  | 3524.8 | 2290.1 | 2412.4 | 2497.2 | 2248.6 | 1848.2 | 1727.9 | 1879.8 |
| 14042.1 | 50°   | 12722.5 | 10178.0 | 3440.0 | 2223.0 | 2394.6 | 2469.6 | 2118.5 | 1814.7 | 1643.1 | 1743.7 |
| 15269.0 | 52.5° | 13549.0 | 10438.4 | 3376.9 | 2155.9 | 2369.0 | 2447.9 | 2055.3 | 1775.2 | 1540.5 | 1546.4 |
| 16503.8 | 55°   | 14373.5 | 10608.0 | 3307.9 | 2067.2 | 2311.8 | 2400.5 | 2049.4 | 1731.8 | 1463.6 | 1436.0 |
| 17809.6 | 57.5° | 15253.2 | 10704.7 | 3223.0 | 1968.5 | 2213.1 | 2280.2 | 2043.5 | 1698.3 | 1439.9 | 1394.5 |
| 19145.0 | 60°   | 16148.8 | 10846.7 | 3112.6 | 1848.2 | 2081.0 | 2136.2 | 2029.7 | 1686.5 | 1426.1 | 1349.2 |
| 20403.4 | 62.5° | 16951.6 | 10896.0 | 2980.4 | 1733.8 | 1911.3 | 1994.2 | 2000.1 | 1676.6 | 1388.6 | 1256.5 |
| 21448.8 | 65°   | 17478.2 | 10683.0 | 2749.6 | 1603.6 | 1727.9 | 1848.2 | 1942.9 | 1643.1 | 1321.6 | 1189.4 |
| 21965.6 | 67.5° | 17456.5 | 10075.5 | 2388.7 | 1436.0 | 1550.4 | 1686.5 | 1860.1 | 1585.9 | 1240.7 | 1106.6 |
| 21575.1 | 70°   | 16643.8 | 8876.2  | 1931.1 | 1240.7 | 1355.1 | 1512.9 | 1753.5 | 1501.1 | 1144.0 | 1015.8 |
| 19184.4 | 72.5° | 14274.9 | 6947.1  | 1402.4 | 1011.9 | 1128.3 | 1333.4 | 1615.5 | 1398.5 | 1045.4 | 935.0  |
| 14178.2 | 75°   | 10197.8 | 4396.7  | 950.7  | 777.2  | 877.8  | 1130.2 | 1443.9 | 1278.2 | 954.7  | 938.9  |
| 7101.0  | 77.5° | 5209.3  | 2100.7  | 629.2  | 568.1  | 611.5  | 891.6  | 1213.1 | 1142.1 | 968.5  | 775.2  |
| 2019.8  | 80°   | 1694.4  | 775.2   | 396.5  | 386.6  | 406.3  | 593.7  | 938.9  | 936.9  | 733.8  | 526.7  |
| 489.2   | 82.5° | 540.5   | 333.4   | 258.4  | 248.5  | 238.7  | 372.8  | 654.9  | 741.7  | 495.1  | 333.4  |
| 175.6   | 85°   | 215.0   | 199.2   | 151.9  | 140.0  | 100.6  | 175.6  | 343.2  | 493.1  | 368.9  | 240.6  |
| 45.4    | 87.5° | 78.9    | 78.9    | 41.4   | 29.6   | 21.7   | 59.2   | 92.7   | 147.9  | 211.1  | 124.3  |
| 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°   |
|--------|
| 5373.1 |
| 5789.2 |
| 5988.5 |
| 5949.0 |
| 5649.2 |
| 5162.0 |
| 4670.8 |
| 4304.0 |
| 4089.0 |
| 4004.1 |
| 3954.8 |
| 3905.5 |
| 3745.8 |
| 3380.8 |
| 2937.0 |
| 2524.8 |
| 2197.4 |
| 1974.5 |
| 1968.5 |
| 1950.8 |
| 1818.6 |
| 1587.9 |
| 1455.7 |
| 1400.5 |
| 1355.1 |
| 1256.5 |
| 1189.4 |
| 1112.5 |
| 1027.7 |
| 929.0  |
| 885.6  |
| 690.4  |
| 465.5  |
| 331.4  |
| 246.6  |
| 122.3  |
| 0.0    |

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