

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: P943135

Luminaire Tested: **GLAN-SB7C-722-U-T2**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P943135  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7C-722-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 43595 lumens  
Efficiency: N/A  
Efficacy: 124.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B4 - 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

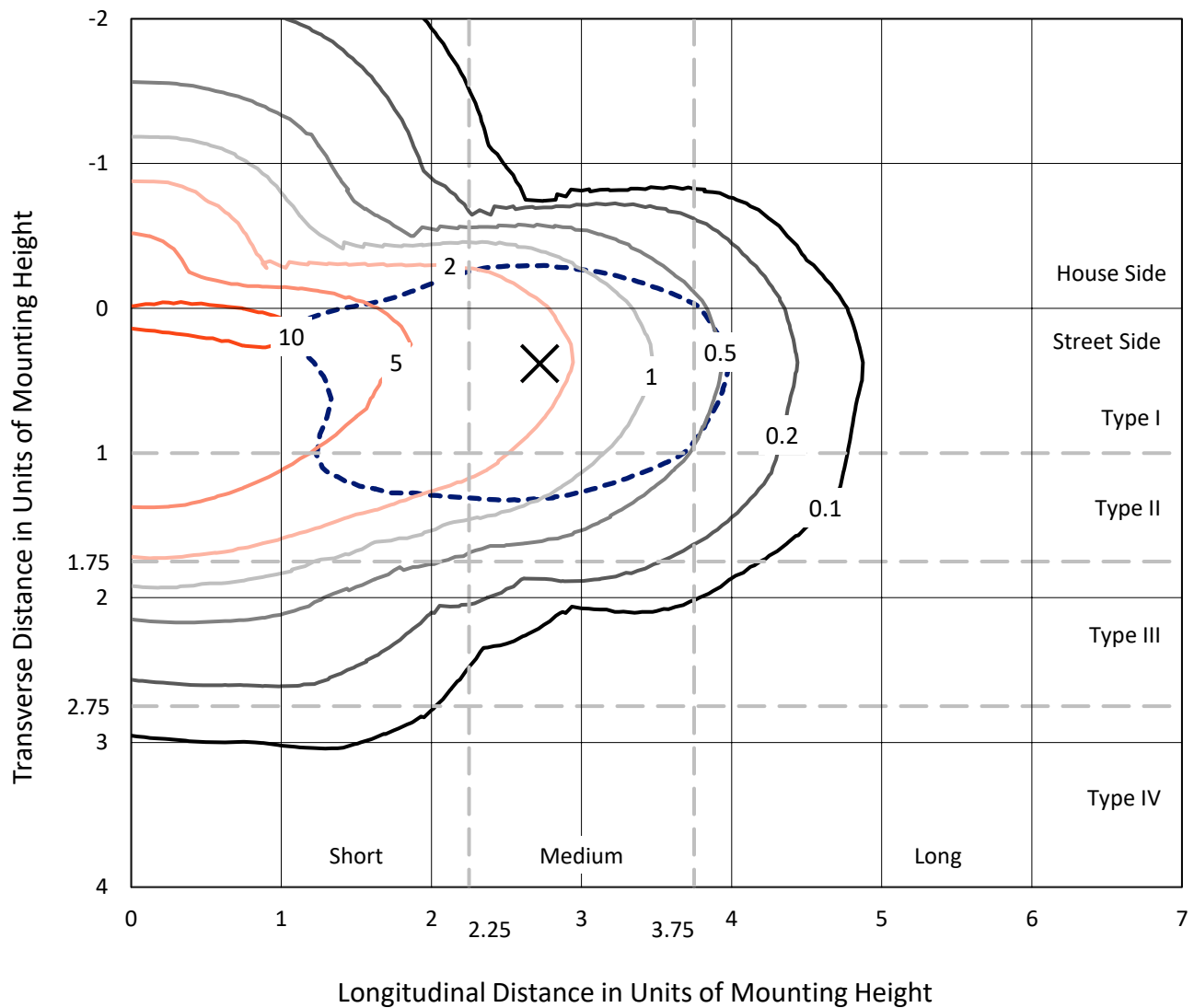


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
--- 1/2 Max cd

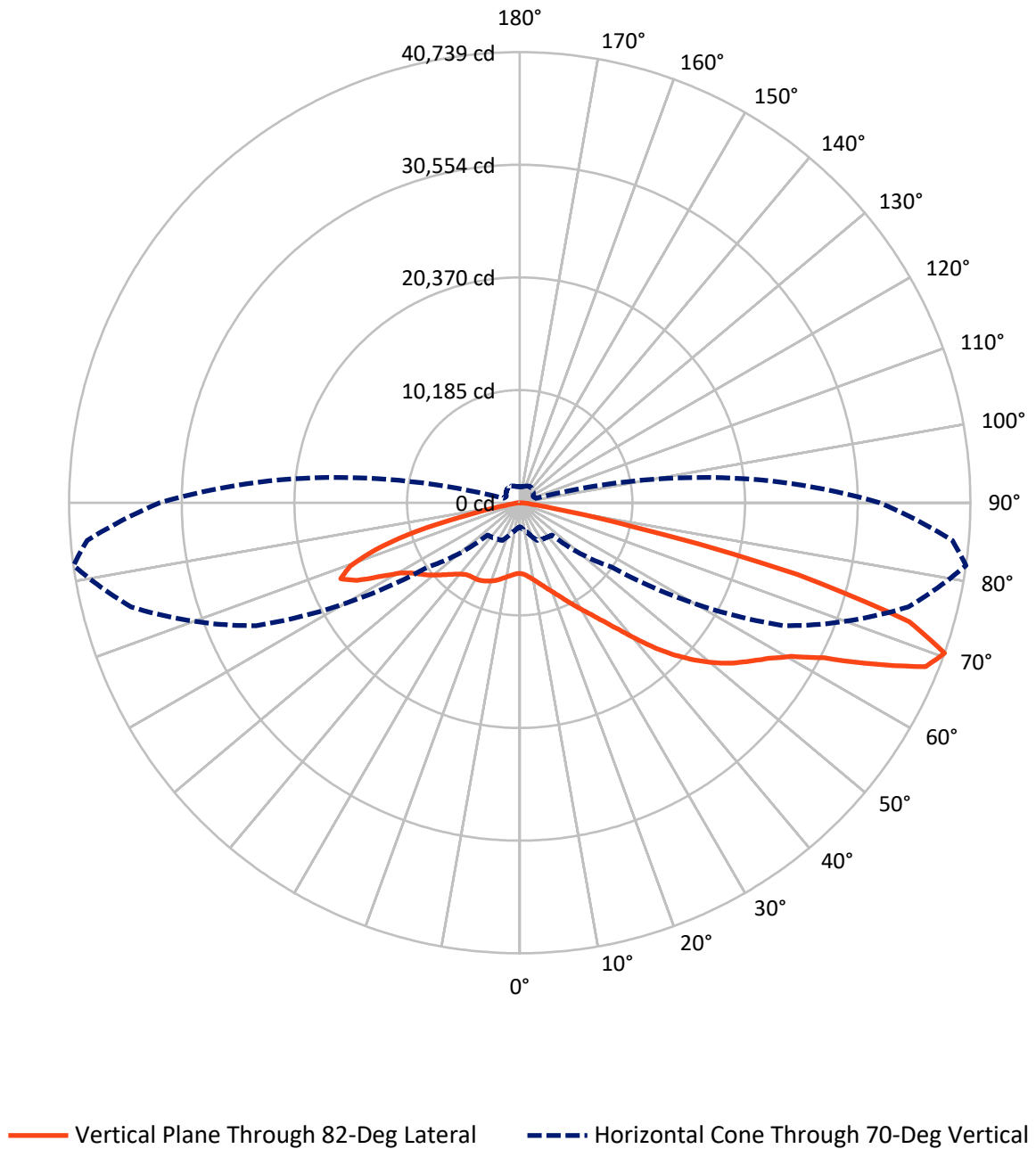


Based on 25 foot mounting height. Maximum calculated value = 11.6 fc  
Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 10747.2  | 0.0    | 10747.2 |
|                    | % Fixture | 24.7     | 0.0    | 24.7    |
| <b>Street Side</b> | Lumens    | 32847.8  | 0.0    | 32847.8 |
|                    | % Fixture | 75.3     | 0.0    | 75.3    |
| <b>Total</b>       | Lumens    | 43595.0  | 0.0    | 43595.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 603.5   | 1.4       |
| 10°-20°   | 1733.8  | 4.0       |
| 20°-30°   | 2900.5  | 6.7       |
| 30°-40°   | 4531.4  | 10.4      |
| 40°-50°   | 7216.7  | 16.6      |
| 50°-60°   | 10042.9 | 23.0      |
| 60°-70°   | 10505.4 | 24.1      |
| 70°-80°   | 5490.7  | 12.6      |
| 80°-90°   | 570.1   | 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°    | 43595.0 | 100.0     |
| 0°-180°   | 43595.0 | 100.0     |

**Coefficient of Utilization**



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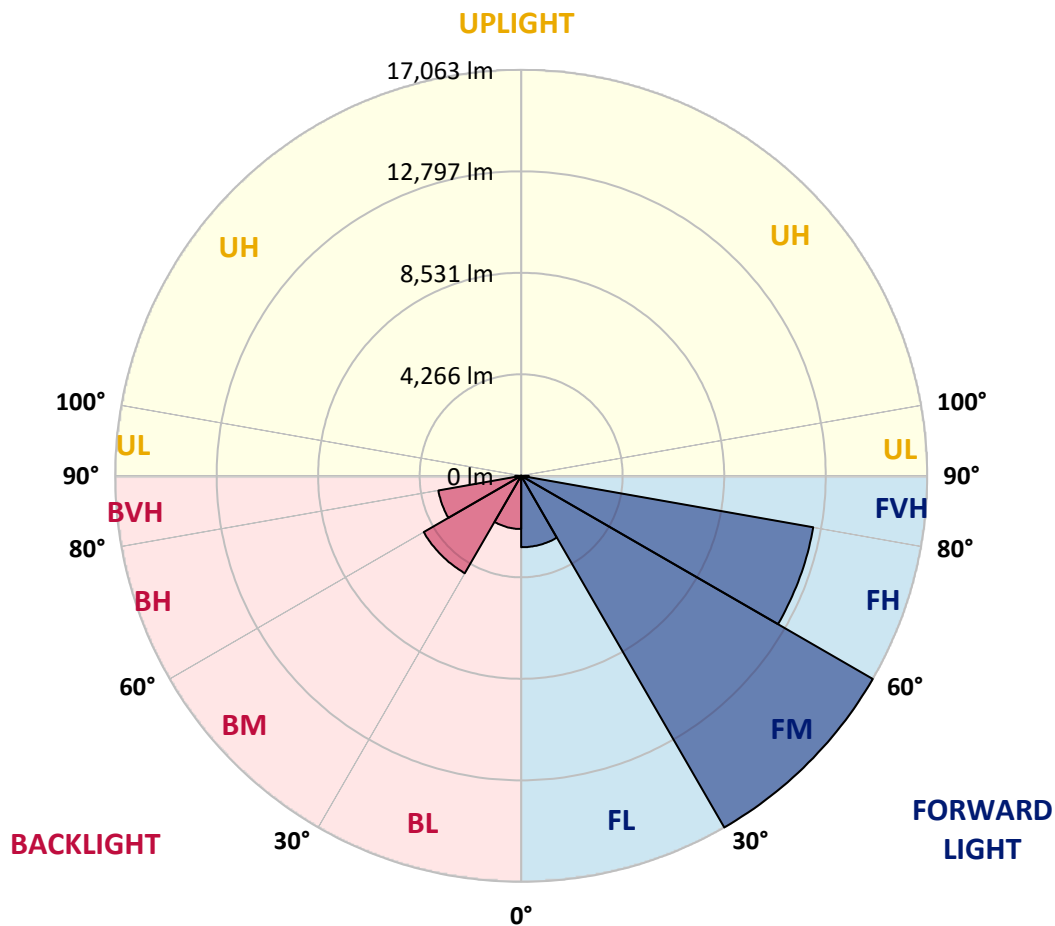
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3002.0  | 6.9       |                         |      |         |
| FM   | (30°-60°)   | 17062.6 | 39.1      |                         |      |         |
| FH   | (60°-80°)   | 12464.0 | 28.6      |                         |      | G5      |
| FVH  | (80°-90°)   | 319.2   | 0.7       |                         |      | G3/500  |
| BL   | (0°-30°)    | 2235.8  | 5.1       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 4728.4  | 10.8      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 3532.1  | 8.1       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 251.0   | 0.6       |                         |      | G3/500  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

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

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 82°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 6391.6  | 6391.6  | 6391.6  | 6391.6  | 6391.6  | 6391.6  | 6391.6  | 6391.6  | 6391.6  | 6391.6  |
| 2.5°  | 6544.2  | 6581.3  | 6569.7  | 6558.1  | 6558.1  | 6541.9  | 6539.6  | 6516.5  | 6498.0  | 6467.9  |
| 5°    | 6627.5  | 6666.9  | 6662.2  | 6671.5  | 6701.6  | 6708.5  | 6715.4  | 6701.6  | 6664.5  | 6627.5  |
| 7.5°  | 6553.5  | 6597.5  | 6611.3  | 6666.9  | 6759.4  | 6842.7  | 6905.1  | 6930.6  | 6895.9  | 6842.7  |
| 10°   | 6303.7  | 6352.2  | 6400.8  | 6532.7  | 6696.9  | 6893.6  | 7060.1  | 7159.6  | 7152.6  | 7101.7  |
| 12.5° | 5797.1  | 5848.0  | 5952.1  | 6208.8  | 6509.5  | 6856.5  | 7166.5  | 7374.7  | 7446.4  | 7409.4  |
| 15°   | 5392.2  | 5436.2  | 5514.8  | 5778.6  | 6169.5  | 6696.9  | 7205.8  | 7610.7  | 7793.4  | 7772.6  |
| 17.5° | 5380.7  | 5399.2  | 5447.8  | 5572.7  | 5873.4  | 6447.1  | 7164.2  | 7842.0  | 8191.3  | 8189.0  |
| 20°   | 5584.2  | 5591.2  | 5618.9  | 5644.4  | 5815.6  | 6257.4  | 7057.8  | 8034.0  | 8637.8  | 8637.8  |
| 22.5° | 5866.5  | 5861.8  | 5889.6  | 5866.5  | 5949.7  | 6241.2  | 6990.7  | 8202.9  | 9135.1  | 9172.1  |
| 25°   | 6289.8  | 6266.7  | 6259.7  | 6206.5  | 6222.7  | 6391.6  | 7064.7  | 8394.9  | 9725.0  | 9801.3  |
| 27.5° | 6854.2  | 6817.2  | 6791.8  | 6669.2  | 6627.5  | 6701.6  | 7291.4  | 8626.2  | 10382.0 | 10513.8 |
| 30°   | 7589.8  | 7522.8  | 7485.8  | 7272.9  | 7122.6  | 7134.1  | 7633.8  | 8933.9  | 11069.0 | 11281.8 |
| 32.5° | 8593.8  | 8489.7  | 8390.2  | 8040.9  | 7765.7  | 7675.4  | 8075.6  | 9359.5  | 11813.9 | 12153.9 |
| 35°   | 9718.1  | 9634.8  | 9528.4  | 8989.4  | 8566.0  | 8357.9  | 8672.5  | 9954.0  | 12686.0 | 13225.0 |
| 37.5° | 10800.7 | 10729.0 | 10779.9 | 10053.5 | 9507.6  | 9204.5  | 9454.3  | 10752.1 | 13761.7 | 14557.4 |
| 40°   | 11920.3 | 11864.8 | 11871.7 | 11177.7 | 10541.6 | 10201.5 | 10402.8 | 11753.7 | 14994.6 | 16142.0 |
| 42.5° | 13137.1 | 13095.4 | 12956.6 | 12341.3 | 11626.5 | 11309.6 | 11494.7 | 12910.4 | 16317.8 | 17946.4 |
| 45°   | 14499.6 | 14474.1 | 14344.6 | 13639.1 | 12820.2 | 12463.9 | 12713.7 | 14187.3 | 17648.0 | 19644.3 |
| 47.5° | 15677.0 | 15697.9 | 15681.7 | 15087.2 | 14238.2 | 13715.4 | 14013.8 | 15519.7 | 18885.6 | 21240.5 |
| 50°   | 16243.8 | 16352.5 | 16512.1 | 16327.1 | 15799.7 | 15267.6 | 15325.4 | 16805.9 | 20065.3 | 22737.2 |
| 52.5° | 15947.7 | 16153.6 | 16588.5 | 16884.6 | 17088.1 | 16977.1 | 16822.1 | 18082.9 | 21175.7 | 24088.1 |
| 55°   | 14844.3 | 15133.4 | 15855.2 | 16570.0 | 17608.6 | 18416.0 | 18619.5 | 19498.6 | 22258.3 | 25277.1 |
| 57.5° | 12834.0 | 13303.6 | 13951.3 | 15397.1 | 17146.0 | 19112.3 | 20715.4 | 21462.5 | 23405.7 | 26547.1 |
| 60°   | 9387.3  | 10016.5 | 10821.5 | 12972.8 | 15526.7 | 18739.8 | 22498.9 | 24479.1 | 25036.5 | 28191.9 |
| 62.5° | 6007.6  | 6396.2  | 7136.4  | 9162.9  | 12098.4 | 16831.4 | 23044.8 | 28249.7 | 27800.9 | 30889.1 |
| 65°   | 4113.0  | 4362.8  | 5040.6  | 6178.8  | 7821.2  | 12528.7 | 21582.8 | 31076.5 | 32191.5 | 35164.1 |
| 67.5° | 2988.7  | 3178.4  | 3756.8  | 4753.8  | 5096.1  | 7414.0  | 16748.1 | 30947.0 | 36459.5 | 39568.5 |
| 70°   | 2179.1  | 2313.3  | 2799.1  | 3756.8  | 3921.0  | 4124.6  | 10146.0 | 26306.5 | 36367.0 | 40739.0 |
| 72.5° | 1614.7  | 1707.2  | 2033.4  | 2914.7  | 3173.8  | 2785.2  | 5022.1  | 19119.2 | 31250.0 | 36848.1 |
| 75°   | 1168.2  | 1237.6  | 1478.2  | 2230.0  | 2540.0  | 2121.3  | 2505.3  | 11173.1 | 21798.0 | 25920.2 |
| 77.5° | 892.9   | 946.1   | 1103.4  | 1633.2  | 2033.4  | 1591.5  | 1554.5  | 5140.1  | 10335.7 | 10386.6 |
| 80°   | 717.1   | 751.8   | 837.4   | 1149.7  | 1559.1  | 1191.3  | 1013.2  | 2075.0  | 3266.3  | 2764.4  |
| 82.5° | 527.4   | 585.3   | 707.9   | 807.3   | 1115.0  | 821.2   | 617.6   | 1047.9  | 1242.2  | 1068.7  |
| 85°   | 300.7   | 340.1   | 428.0   | 578.3   | 712.5   | 502.0   | 353.9   | 465.0   | 578.3   | 474.2   |
| 87.5° | 106.4   | 138.8   | 150.4   | 226.7   | 310.0   | 208.2   | 136.5   | 134.2   | 189.7   | 141.1   |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6391.6  | 0°    | 6391.6  | 6391.6  | 6391.6 | 6391.6 | 6391.6 | 6391.6 | 6391.6 | 6391.6 | 6391.6 | 6391.6 |
| 6461.0  | 2.5°  | 6437.8  | 6426.3  | 6380.0 | 6317.5 | 6252.8 | 6190.3 | 6169.5 | 6125.5 | 6095.5 | 6079.3 |
| 6611.3  | 5°    | 6567.4  | 6530.4  | 6421.6 | 6282.8 | 6137.1 | 5979.8 | 5868.8 | 5767.0 | 5693.0 | 5623.6 |
| 6817.2  | 7.5°  | 6752.4  | 6687.7  | 6500.3 | 6257.4 | 5998.3 | 5736.9 | 5542.6 | 5394.6 | 5295.1 | 5230.3 |
| 7057.8  | 10°   | 6967.6  | 6868.1  | 6581.3 | 6218.1 | 5817.9 | 5443.1 | 5214.1 | 5086.9 | 5024.4 | 4989.7 |
| 7333.1  | 12.5° | 7215.1  | 7074.0  | 6664.5 | 6127.9 | 5542.6 | 5114.6 | 4957.3 | 4920.3 | 4922.6 | 4925.0 |
| 7680.1  | 15°   | 7520.4  | 7323.8  | 6731.6 | 5931.2 | 5184.0 | 4862.5 | 4834.7 | 4894.9 | 4957.3 | 4987.4 |
| 8073.3  | 17.5° | 7865.1  | 7587.5  | 6743.2 | 5607.4 | 4832.4 | 4700.6 | 4788.5 | 4918.0 | 5012.9 | 5054.5 |
| 8512.8  | 20°   | 8235.3  | 7855.9  | 6659.9 | 5149.3 | 4543.3 | 4568.7 | 4726.0 | 4892.6 | 4996.7 | 5049.9 |
| 9014.8  | 22.5° | 8658.6  | 8142.7  | 6461.0 | 4668.2 | 4307.3 | 4425.3 | 4610.4 | 4772.3 | 4881.0 | 4934.2 |
| 9604.7  | 25°   | 9142.1  | 8464.3  | 6148.7 | 4263.4 | 4103.7 | 4263.4 | 4448.4 | 4582.6 | 4670.5 | 4719.1 |
| 10264.0 | 27.5° | 9678.7  | 8799.7  | 5732.3 | 3941.8 | 3925.6 | 4096.8 | 4249.5 | 4353.6 | 4399.8 | 4436.9 |
| 10964.9 | 30°   | 10217.7 | 9105.0  | 5228.0 | 3698.9 | 3770.6 | 3932.6 | 4041.3 | 4087.6 | 4101.4 | 4108.4 |
| 11746.8 | 32.5° | 10800.7 | 9368.8  | 4698.3 | 3497.7 | 3622.6 | 3772.9 | 3837.7 | 3858.5 | 3793.8 | 3749.8 |
| 12695.2 | 35°   | 11506.2 | 9651.0  | 4180.1 | 3338.1 | 3476.8 | 3606.4 | 3627.2 | 3608.7 | 3532.4 | 3442.1 |
| 13884.3 | 37.5° | 12378.3 | 10002.6 | 3766.0 | 3224.7 | 3340.4 | 3426.0 | 3400.5 | 3395.9 | 3402.8 | 3296.4 |
| 15313.9 | 40°   | 13447.1 | 10460.6 | 3463.0 | 3136.8 | 3229.3 | 3247.8 | 3176.1 | 3215.4 | 3250.1 | 3088.2 |
| 16882.3 | 42.5° | 14633.8 | 11013.5 | 3271.0 | 3076.7 | 3136.8 | 3092.8 | 2981.8 | 3025.8 | 3021.1 | 2808.3 |
| 18457.6 | 45°   | 15843.6 | 11614.9 | 3203.9 | 3032.7 | 3051.2 | 2963.3 | 2840.7 | 2852.3 | 2755.1 | 2563.1 |
| 19968.2 | 47.5° | 17046.5 | 12260.3 | 3245.5 | 2995.7 | 2944.8 | 2845.3 | 2750.5 | 2699.6 | 2556.2 | 2412.7 |
| 21416.3 | 50°   | 18226.3 | 12938.1 | 3398.2 | 2921.7 | 2799.1 | 2741.2 | 2671.8 | 2581.6 | 2428.9 | 2306.3 |
| 22785.7 | 52.5° | 19320.5 | 13620.5 | 3569.4 | 2799.1 | 2616.3 | 2651.0 | 2607.1 | 2503.0 | 2352.6 | 2227.7 |
| 24081.2 | 55°   | 20356.8 | 14303.0 | 3636.5 | 2630.2 | 2445.1 | 2572.4 | 2546.9 | 2354.9 | 2174.5 | 2072.7 |
| 25436.7 | 57.5° | 21485.7 | 15124.2 | 3562.4 | 2415.1 | 2306.3 | 2482.1 | 2385.0 | 2172.2 | 2068.1 | 1991.7 |
| 27201.8 | 60°   | 23049.4 | 16412.7 | 3402.8 | 2149.0 | 2174.5 | 2348.0 | 2181.4 | 2093.5 | 1980.2 | 1894.6 |
| 29848.2 | 62.5° | 25647.3 | 18816.2 | 3146.1 | 1885.3 | 2019.5 | 2149.0 | 2084.3 | 1996.4 | 1880.7 | 1797.4 |
| 34372.9 | 65°   | 29487.3 | 22156.5 | 2662.6 | 1679.4 | 1846.0 | 1954.7 | 1980.2 | 1892.3 | 1772.0 | 1684.1 |
| 38337.9 | 67.5° | 32725.9 | 24252.3 | 2014.9 | 1508.3 | 1667.9 | 1797.4 | 1869.1 | 1783.5 | 1656.3 | 1570.7 |
| 39265.5 | 70°   | 32547.7 | 22730.2 | 1538.3 | 1339.4 | 1510.6 | 1642.4 | 1735.0 | 1667.9 | 1531.4 | 1450.4 |
| 35666.0 | 72.5° | 28909.0 | 19015.1 | 1244.5 | 1168.2 | 1351.0 | 1480.5 | 1591.5 | 1540.6 | 1401.8 | 1323.2 |
| 26128.4 | 75°   | 21238.2 | 13497.9 | 994.7  | 994.7  | 1152.0 | 1311.6 | 1434.2 | 1401.8 | 1274.6 | 1219.1 |
| 10969.5 | 77.5° | 8952.4  | 5662.9  | 779.6  | 825.8  | 957.7  | 1126.6 | 1279.2 | 1290.8 | 1179.8 | 1249.2 |
| 2900.8  | 80°   | 2380.4  | 1561.5  | 594.5  | 650.0  | 751.8  | 929.9  | 1112.7 | 1108.1 | 987.8  | 923.0  |
| 1078.0  | 82.5° | 906.8   | 615.3   | 423.3  | 458.0  | 543.6  | 712.5  | 881.4  | 909.1  | 788.8  | 682.4  |
| 423.3   | 85°   | 349.3   | 263.7   | 261.4  | 275.3  | 316.9  | 471.9  | 666.2  | 689.4  | 594.5  | 504.3  |
| 118.0   | 87.5° | 90.2    | 78.7    | 97.2   | 92.5   | 145.7  | 252.1  | 381.7  | 395.6  | 363.2  | 210.5  |
| 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°   |
|--------|
| 6391.6 |
| 6097.8 |
| 5651.3 |
| 5244.2 |
| 4999.0 |
| 4929.6 |
| 4985.1 |
| 5063.8 |
| 5063.8 |
| 4948.1 |
| 4733.0 |
| 4450.7 |
| 4124.6 |
| 3763.7 |
| 3446.8 |
| 3303.4 |
| 3092.8 |
| 2806.0 |
| 2570.0 |
| 2412.7 |
| 2297.1 |
| 2230.0 |
| 2063.4 |
| 1984.8 |
| 1889.9 |
| 1797.4 |
| 1688.7 |
| 1573.0 |
| 1457.4 |
| 1323.2 |
| 1202.9 |
| 1133.5 |
| 858.2  |
| 682.4  |
| 520.5  |
| 300.7  |
| 0.0    |

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