

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: P954172

Luminaire Tested: **GLAN-SB7C-730-U-T3R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954172  
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-SB7C-730-U-T3R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 54677 lumens  
Efficiency: N/A  
Efficacy: 156.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - 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



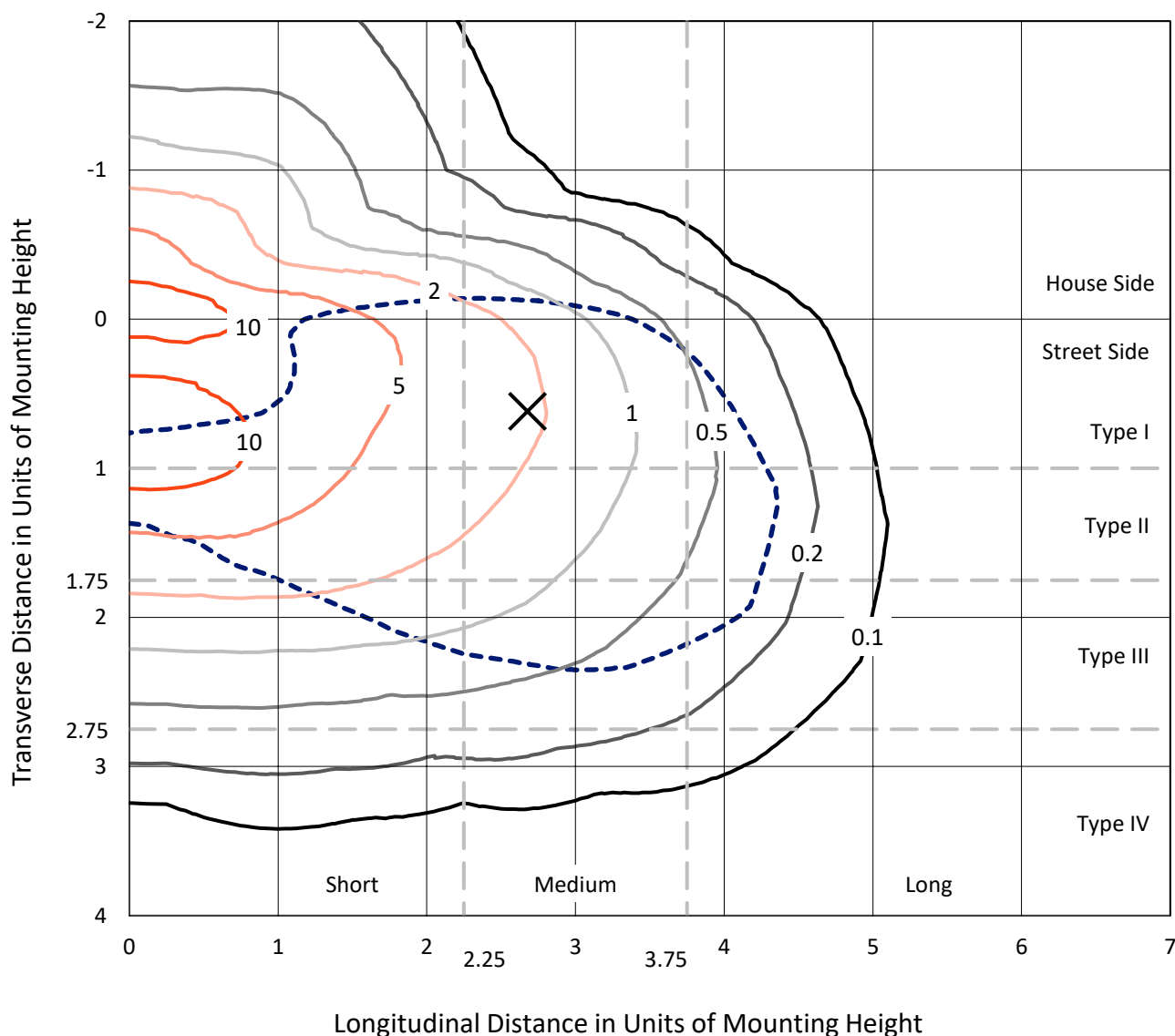
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

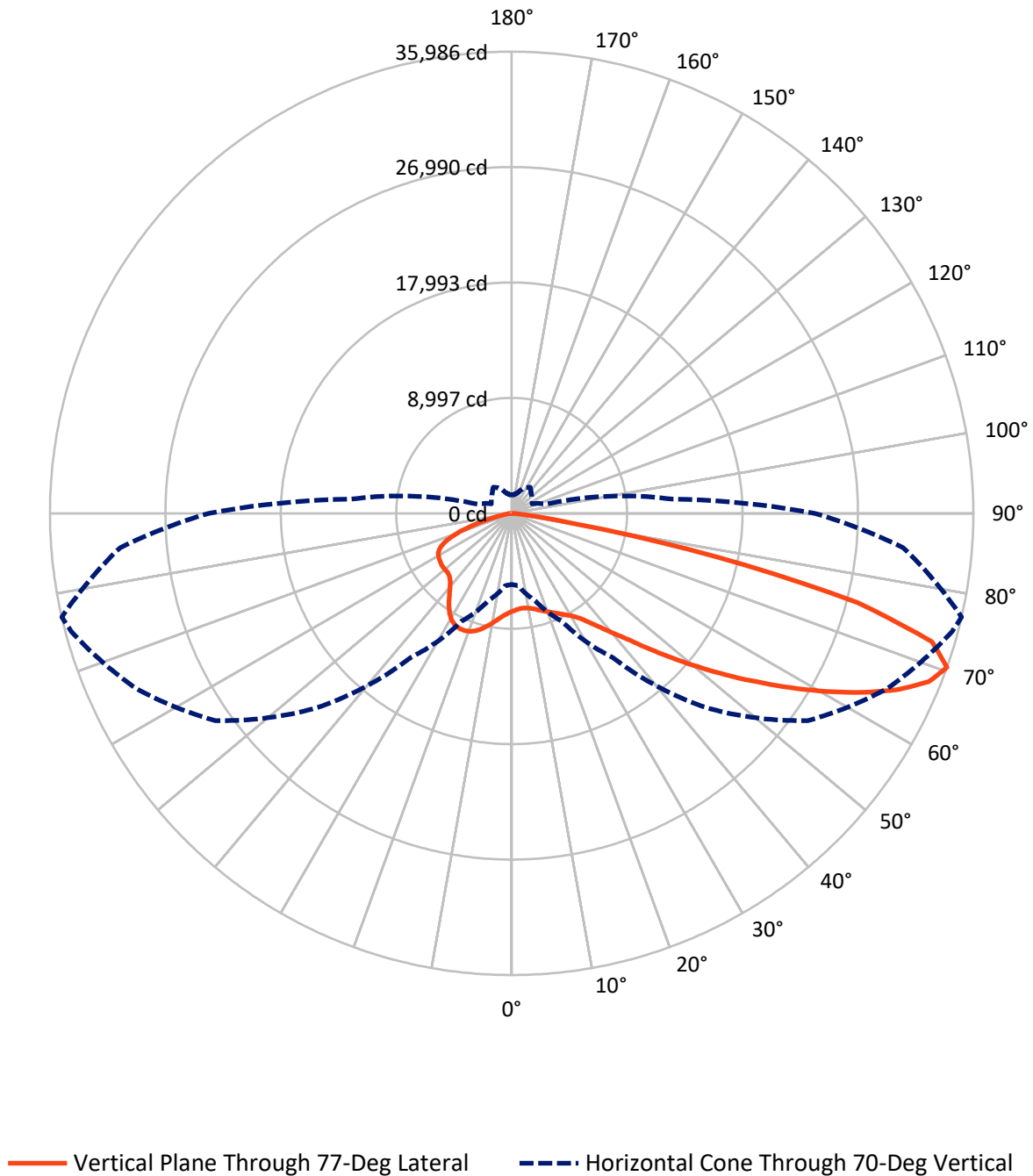
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.5 fc  
Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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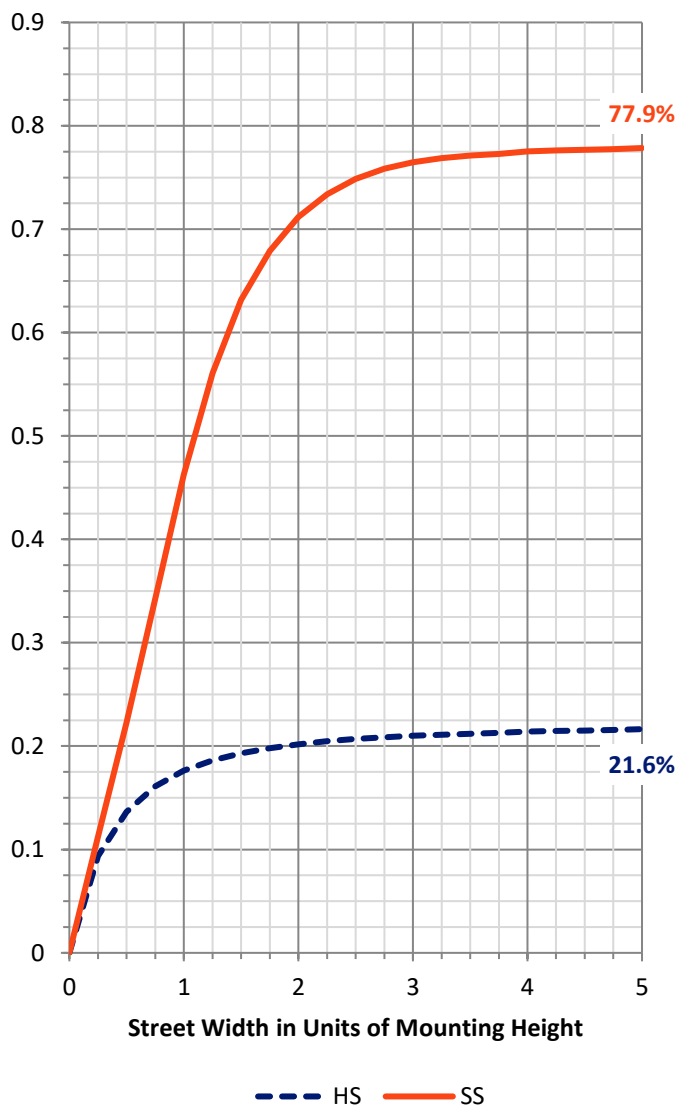
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 11973.4  | 0.0    | 11973.4 |
|                    | % Fixture | 21.9     | 0.0    | 21.9    |
| <b>Street Side</b> | Lumens    | 42703.6  | 0.0    | 42703.6 |
|                    | % Fixture | 78.1     | 0.0    | 78.1    |
| <b>Total</b>       | Lumens    | 54677.0  | 0.0    | 54677.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 727.5   | 1.3       |
| 10°-20°   | 2099.6  | 3.8       |
| 20°-30°   | 3590.7  | 6.6       |
| 30°-40°   | 5774.2  | 10.6      |
| 40°-50°   | 9015.0  | 16.5      |
| 50°-60°   | 12041.9 | 22.0      |
| 60°-70°   | 12834.8 | 23.5      |
| 70°-80°   | 7901.0  | 14.5      |
| 80°-90°   | 692.3   | 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°    | 54677.0 | 100.0     |
| 0°-180°   | 54677.0 | 100.0     |

**Coefficient of Utilization**



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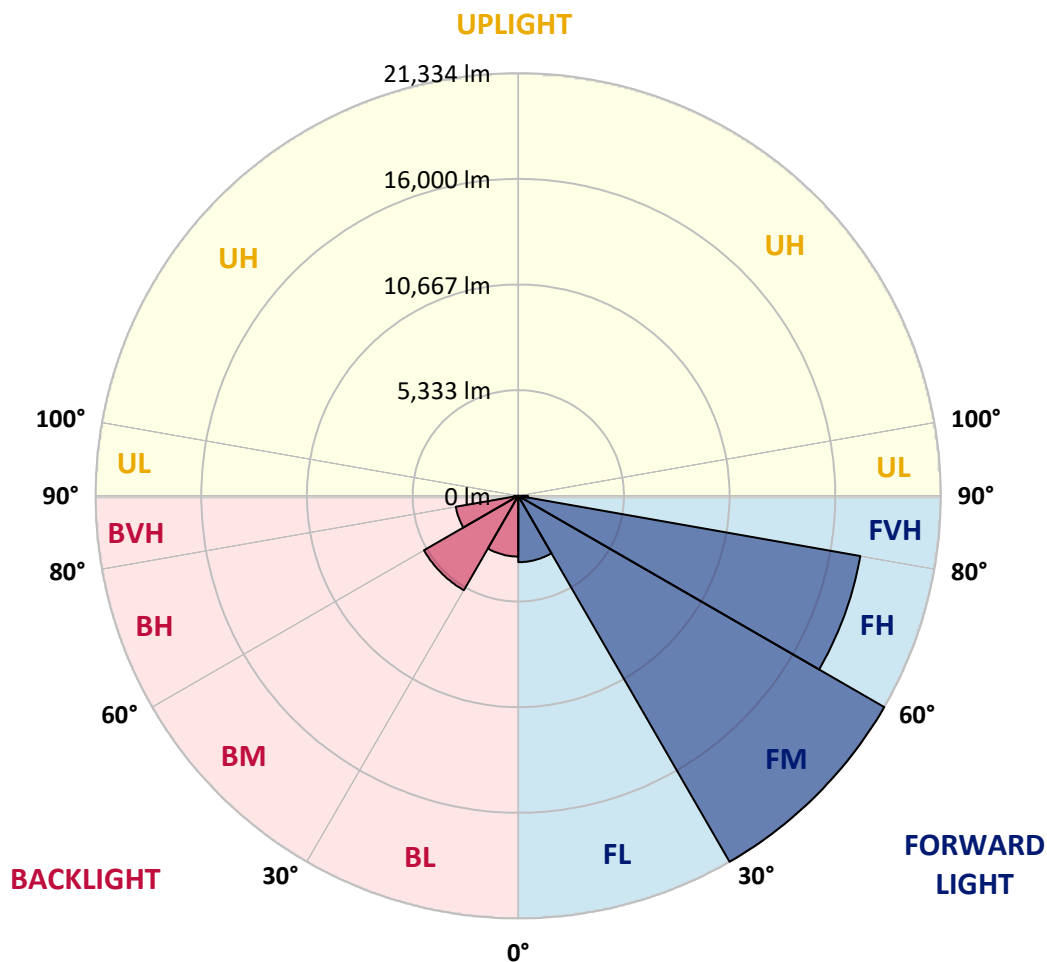
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3349.8  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 21333.8 | 39.0      |                         |      |         |
| FH   | (60°-80°)   | 17535.8 | 32.1      |                         |      | G5      |
| FVH  | (80°-90°)   | 484.1   | 0.9       |                         |      | G3/500  |
| BL   | (0°-30°)    | 3068.0  | 5.6       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 5497.3  | 10.1      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 3200.0  | 5.9       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 208.2   | 0.4       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

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

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 7627.9  | 7627.9  | 7627.9  | 7627.9  | 7627.9  | 7627.9  | 7627.9  | 7627.9  | 7627.9  | 7627.9  |
| 2.5°  | 7031.5  | 7028.7  | 7065.1  | 7076.3  | 7143.5  | 7191.1  | 7280.7  | 7375.9  | 7499.1  | 7513.1  |
| 5°    | 6625.4  | 6625.4  | 6667.4  | 6712.3  | 6799.1  | 6894.3  | 7031.5  | 7196.7  | 7409.5  | 7443.1  |
| 7.5°  | 6281.0  | 6303.4  | 6339.8  | 6426.6  | 6527.4  | 6664.6  | 6874.7  | 7109.9  | 7389.9  | 7443.1  |
| 10°   | 6003.8  | 6029.0  | 6073.8  | 6143.8  | 6295.0  | 6485.4  | 6759.9  | 7062.3  | 7437.5  | 7521.5  |
| 12.5° | 5917.0  | 5942.2  | 5967.4  | 6020.6  | 6160.6  | 6384.6  | 6712.3  | 7084.7  | 7552.3  | 7636.3  |
| 15°   | 6118.6  | 6149.4  | 6129.8  | 6115.8  | 6188.6  | 6393.0  | 6734.7  | 7165.9  | 7695.1  | 7815.6  |
| 17.5° | 6583.4  | 6594.6  | 6549.8  | 6418.2  | 6407.0  | 6516.2  | 6841.1  | 7277.9  | 7874.4  | 8006.0  |
| 20°   | 7333.9  | 7314.3  | 7221.9  | 6961.5  | 6813.1  | 6790.7  | 7023.1  | 7445.9  | 8059.2  | 8199.2  |
| 22.5° | 8353.2  | 8330.8  | 8146.0  | 7734.4  | 7403.9  | 7185.5  | 7286.3  | 7664.3  | 8266.4  | 8423.2  |
| 25°   | 9624.5  | 9593.7  | 9322.1  | 8762.1  | 8249.6  | 7709.1  | 7644.7  | 7952.8  | 8521.2  | 8666.8  |
| 27.5° | 11108.7 | 11083.5 | 10789.4 | 10050.2 | 9310.9  | 8426.0  | 8090.0  | 8291.6  | 8787.3  | 8952.5  |
| 30°   | 12704.8 | 12777.6 | 12256.8 | 11461.5 | 10526.2 | 9361.3  | 8689.2  | 8708.8  | 9131.7  | 9280.1  |
| 32.5° | 14581.0 | 14707.0 | 14079.8 | 13071.7 | 11794.7 | 10377.8 | 9445.3  | 9291.3  | 9632.9  | 9756.1  |
| 35°   | 16440.4 | 16583.2 | 16062.4 | 14947.9 | 13477.7 | 11576.3 | 10235.0 | 9960.6  | 10299.4 | 10433.8 |
| 37.5° | 18047.8 | 18238.2 | 17969.3 | 17000.4 | 15278.3 | 13021.3 | 11265.5 | 10747.4 | 11119.9 | 11287.9 |
| 40°   | 19316.3 | 19607.5 | 19587.9 | 18983.0 | 17400.9 | 14774.2 | 12573.2 | 11719.1 | 12139.2 | 12321.2 |
| 42.5° | 20346.8 | 20598.8 | 20817.2 | 20786.4 | 19615.9 | 16765.2 | 14110.6 | 12982.1 | 13301.3 | 13511.3 |
| 45°   | 21058.0 | 21326.9 | 21797.3 | 22304.2 | 21746.9 | 18896.2 | 15871.9 | 14480.2 | 14771.4 | 15087.9 |
| 47.5° | 21693.7 | 21998.9 | 22609.4 | 23413.1 | 23555.9 | 21035.6 | 17801.3 | 16224.8 | 16490.8 | 16818.4 |
| 50°   | 21749.7 | 22012.9 | 22959.4 | 24099.1 | 24841.2 | 23091.0 | 19873.5 | 18182.2 | 18431.4 | 18781.4 |
| 52.5° | 20397.2 | 20811.6 | 22463.8 | 24079.5 | 25432.1 | 24810.4 | 21931.7 | 20218.0 | 20498.0 | 20918.0 |
| 55°   | 15832.7 | 16440.4 | 21010.4 | 23329.1 | 25222.0 | 25922.1 | 23889.1 | 22382.6 | 22741.0 | 23180.6 |
| 57.5° | 13637.3 | 13903.3 | 16678.4 | 21962.5 | 24264.4 | 26210.5 | 25541.3 | 24569.6 | 25146.4 | 25628.1 |
| 60°   | 12256.8 | 12478.0 | 14119.0 | 19837.1 | 23004.2 | 25754.1 | 26818.2 | 26608.2 | 27605.1 | 28179.1 |
| 62.5° | 10778.2 | 10988.3 | 12480.8 | 16563.6 | 21391.3 | 24995.2 | 27624.7 | 28490.0 | 30125.3 | 30752.6 |
| 65°   | 9310.9  | 9490.1  | 10921.1 | 13917.4 | 19341.5 | 24236.4 | 28041.9 | 30116.9 | 32458.0 | 33107.6 |
| 67.5° | 7675.5  | 7824.0  | 9176.5  | 11741.5 | 16849.2 | 23197.5 | 28249.1 | 31396.6 | 34488.1 | 35045.4 |
| 70°   | 5538.9  | 5653.7  | 7051.1  | 9285.7  | 13721.3 | 21410.9 | 28165.1 | 32303.9 | 35541.0 | 35986.3 |
| 72.5° | 2618.3  | 2721.9  | 4362.8  | 6029.0  | 9691.7  | 17932.9 | 26465.4 | 31584.3 | 34471.3 | 34250.1 |
| 75°   | 1397.3  | 1486.9  | 2506.2  | 3307.1  | 5118.9  | 12293.2 | 21657.3 | 27207.4 | 28946.4 | 27871.1 |
| 77.5° | 946.5   | 1016.5  | 1551.4  | 1985.4  | 2338.2  | 5835.8  | 13920.2 | 18837.4 | 18123.4 | 16348.0 |
| 80°   | 750.5   | 823.3   | 1271.3  | 1344.1  | 1131.3  | 2108.6  | 5751.8  | 8720.0  | 6264.2  | 5009.7  |
| 82.5° | 576.9   | 658.1   | 1069.7  | 974.5   | 616.1   | 865.3   | 1674.6  | 2758.3  | 1604.6  | 1220.9  |
| 85°   | 352.8   | 439.6   | 840.1   | 621.7   | 347.2   | 394.8   | 568.5   | 767.3   | 490.0   | 408.8   |
| 87.5° | 179.2   | 252.0   | 425.6   | 226.8   | 156.8   | 92.4    | 151.2   | 151.2   | 128.8   | 112.0   |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 7627.9  | 0°    | 7627.9  | 7627.9  | 7627.9 | 7627.9 | 7627.9 | 7627.9 | 7627.9 | 7627.9 | 7627.9 | 7627.9 |
| 7588.7  | 2.5°  | 7655.9  | 7711.9  | 7807.2 | 7896.8 | 7966.8 | 8034.0 | 8101.2 | 8137.6 | 8148.8 | 8193.6 |
| 7630.7  | 5°    | 7745.6  | 7849.2  | 8034.0 | 8207.6 | 8316.8 | 8384.0 | 8431.6 | 8459.6 | 8465.2 | 8479.2 |
| 7745.6  | 7.5°  | 7910.8  | 8076.0  | 8333.6 | 8507.2 | 8588.4 | 8582.8 | 8563.2 | 8493.2 | 8465.2 | 8440.0 |
| 7913.6  | 10°   | 8143.2  | 8361.6  | 8678.0 | 8798.5 | 8748.0 | 8613.6 | 8440.0 | 8235.6 | 8140.4 | 8048.0 |
| 8143.2  | 12.5° | 8431.6  | 8708.8  | 9019.7 | 9014.1 | 8764.9 | 8420.4 | 8017.2 | 7703.5 | 7504.7 | 7361.9 |
| 8426.0  | 15°   | 8781.7  | 9100.9  | 9338.9 | 9148.5 | 8602.4 | 7983.6 | 7392.7 | 6983.9 | 6804.7 | 6647.8 |
| 8711.6  | 17.5° | 9142.9  | 9484.5  | 9593.7 | 9106.5 | 8193.6 | 7336.7 | 6667.4 | 6345.4 | 6169.0 | 6085.0 |
| 9019.7  | 20°   | 9495.7  | 9834.6  | 9744.9 | 8865.7 | 7571.9 | 6603.0 | 6006.6 | 5830.2 | 5793.8 | 5813.4 |
| 9319.3  | 22.5° | 9868.2  | 10170.6 | 9775.7 | 8400.8 | 6779.5 | 5852.6 | 5524.9 | 5530.5 | 5611.7 | 5670.6 |
| 9632.9  | 25°   | 10249.0 | 10453.4 | 9694.5 | 7728.8 | 5928.2 | 5300.9 | 5219.7 | 5309.3 | 5468.9 | 5583.7 |
| 9985.8  | 27.5° | 10615.8 | 10705.4 | 9518.1 | 6897.1 | 5197.3 | 4906.1 | 4920.1 | 5104.9 | 5345.7 | 5505.3 |
| 10414.2 | 30°   | 11030.3 | 10929.5 | 9179.3 | 5961.8 | 4690.5 | 4567.2 | 4684.9 | 4900.5 | 5141.3 | 5284.1 |
| 10954.7 | 32.5° | 11497.9 | 11122.7 | 8641.6 | 5096.5 | 4332.0 | 4295.6 | 4488.8 | 4628.8 | 4735.3 | 4777.3 |
| 11671.5 | 35°   | 12080.4 | 11394.3 | 7952.8 | 4488.8 | 4010.0 | 4096.8 | 4281.6 | 4211.6 | 4169.6 | 4147.2 |
| 12634.8 | 37.5° | 12836.4 | 11761.1 | 7146.3 | 4094.0 | 3749.6 | 3954.0 | 4029.6 | 3811.2 | 3646.0 | 3564.7 |
| 13802.5 | 40°   | 13746.5 | 12298.8 | 6370.6 | 3788.8 | 3584.3 | 3830.8 | 3699.2 | 3435.9 | 3225.9 | 3111.1 |
| 15115.9 | 42.5° | 14757.4 | 12861.6 | 5718.2 | 3559.1 | 3491.9 | 3730.0 | 3455.5 | 3141.9 | 2803.1 | 2766.7 |
| 16681.2 | 45°   | 15818.7 | 13441.3 | 5272.9 | 3382.7 | 3447.1 | 3643.2 | 3315.5 | 2808.7 | 2567.8 | 2716.3 |
| 18252.2 | 47.5° | 16880.0 | 13973.4 | 5004.1 | 3251.1 | 3424.7 | 3545.1 | 3192.3 | 2623.9 | 2453.0 | 2668.7 |
| 19935.1 | 50°   | 18061.8 | 14449.4 | 4883.7 | 3155.9 | 3399.5 | 3505.9 | 3007.5 | 2576.3 | 2332.6 | 2475.4 |
| 21676.9 | 52.5° | 19235.1 | 14819.0 | 4794.1 | 3060.7 | 3363.1 | 3475.1 | 2917.9 | 2520.2 | 2187.0 | 2195.4 |
| 23429.9 | 55°   | 20405.6 | 15059.9 | 4696.1 | 2934.7 | 3281.9 | 3407.9 | 2909.5 | 2458.6 | 2077.8 | 2038.6 |
| 25283.7 | 57.5° | 21654.5 | 15197.1 | 4575.6 | 2794.7 | 3141.9 | 3237.1 | 2901.1 | 2411.0 | 2044.2 | 1979.8 |
| 27179.4 | 60°   | 22925.8 | 15398.7 | 4418.8 | 2623.9 | 2954.3 | 3032.7 | 2881.5 | 2394.2 | 2024.6 | 1915.4 |
| 28966.0 | 62.5° | 24065.5 | 15468.7 | 4231.2 | 2461.4 | 2713.5 | 2831.1 | 2839.5 | 2380.2 | 1971.4 | 1783.8 |
| 30450.2 | 65°   | 24813.2 | 15166.3 | 3903.6 | 2276.6 | 2453.0 | 2623.9 | 2758.3 | 2332.6 | 1876.2 | 1688.6 |
| 31183.8 | 67.5° | 24782.4 | 14303.8 | 3391.1 | 2038.6 | 2201.0 | 2394.2 | 2640.7 | 2251.4 | 1761.4 | 1571.0 |
| 30629.4 | 70°   | 23628.7 | 12601.2 | 2741.5 | 1761.4 | 1923.8 | 2147.8 | 2489.4 | 2131.0 | 1624.2 | 1442.1 |
| 27235.4 | 72.5° | 20265.6 | 9862.6  | 1991.0 | 1436.5 | 1601.8 | 1893.0 | 2293.4 | 1985.4 | 1484.1 | 1327.3 |
| 20128.4 | 75°   | 14477.4 | 6241.8  | 1349.7 | 1103.3 | 1246.1 | 1604.6 | 2049.8 | 1814.6 | 1355.3 | 1332.9 |
| 10081.0 | 77.5° | 7395.5  | 2982.3  | 893.3  | 806.5  | 868.1  | 1265.7 | 1722.2 | 1621.4 | 1374.9 | 1100.5 |
| 2867.5  | 80°   | 2405.4  | 1100.5  | 562.9  | 548.9  | 576.9  | 842.9  | 1332.9 | 1330.1 | 1041.7 | 747.7  |
| 694.5   | 82.5° | 767.3   | 473.2   | 366.8  | 352.8  | 338.8  | 529.3  | 929.7  | 1052.9 | 702.9  | 473.2  |
| 249.2   | 85°   | 305.2   | 282.8   | 215.6  | 198.8  | 142.8  | 249.2  | 487.2  | 700.1  | 523.7  | 341.6  |
| 64.4    | 87.5° | 112.0   | 112.0   | 58.8   | 42.0   | 30.8   | 84.0   | 131.6  | 210.0  | 299.6  | 176.4  |
| 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°   |
|--------|
| 7627.9 |
| 8218.8 |
| 8501.6 |
| 8445.6 |
| 8020.0 |
| 7328.3 |
| 6631.0 |
| 6110.2 |
| 5805.0 |
| 5684.6 |
| 5614.5 |
| 5544.5 |
| 5317.7 |
| 4799.7 |
| 4169.6 |
| 3584.3 |
| 3119.5 |
| 2803.1 |
| 2794.7 |
| 2769.5 |
| 2581.9 |
| 2254.2 |
| 2066.6 |
| 1988.2 |
| 1923.8 |
| 1783.8 |
| 1688.6 |
| 1579.4 |
| 1458.9 |
| 1318.9 |
| 1257.3 |
| 980.1  |
| 660.9  |
| 470.4  |
| 350.0  |
| 173.6  |
| 0.0    |