

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: P954267

Luminaire Tested: **GLAN-SB7C-827-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954267  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7C-827-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 45263 lumens  
Efficiency: N/A  
Efficacy: 129.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G5

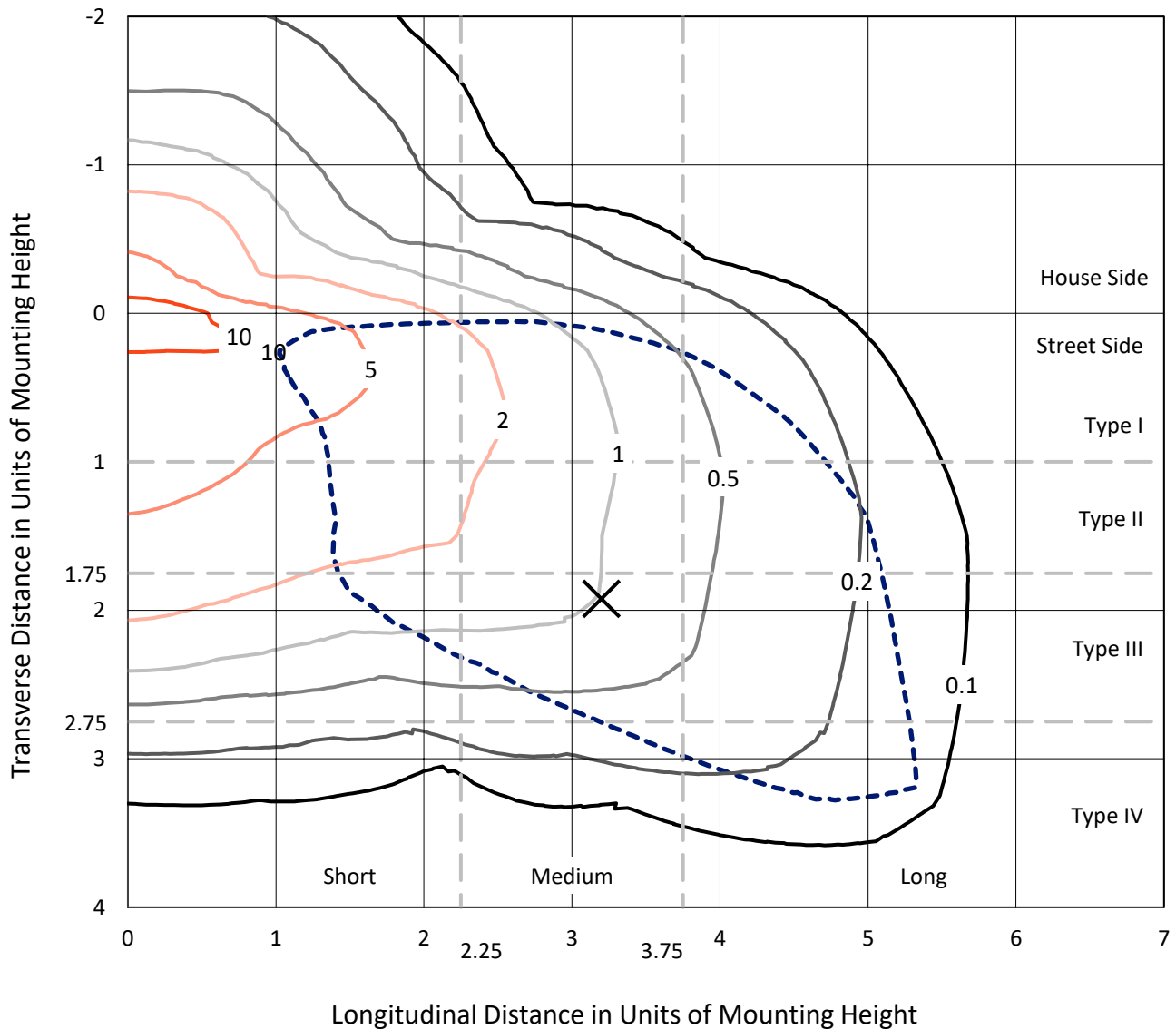
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

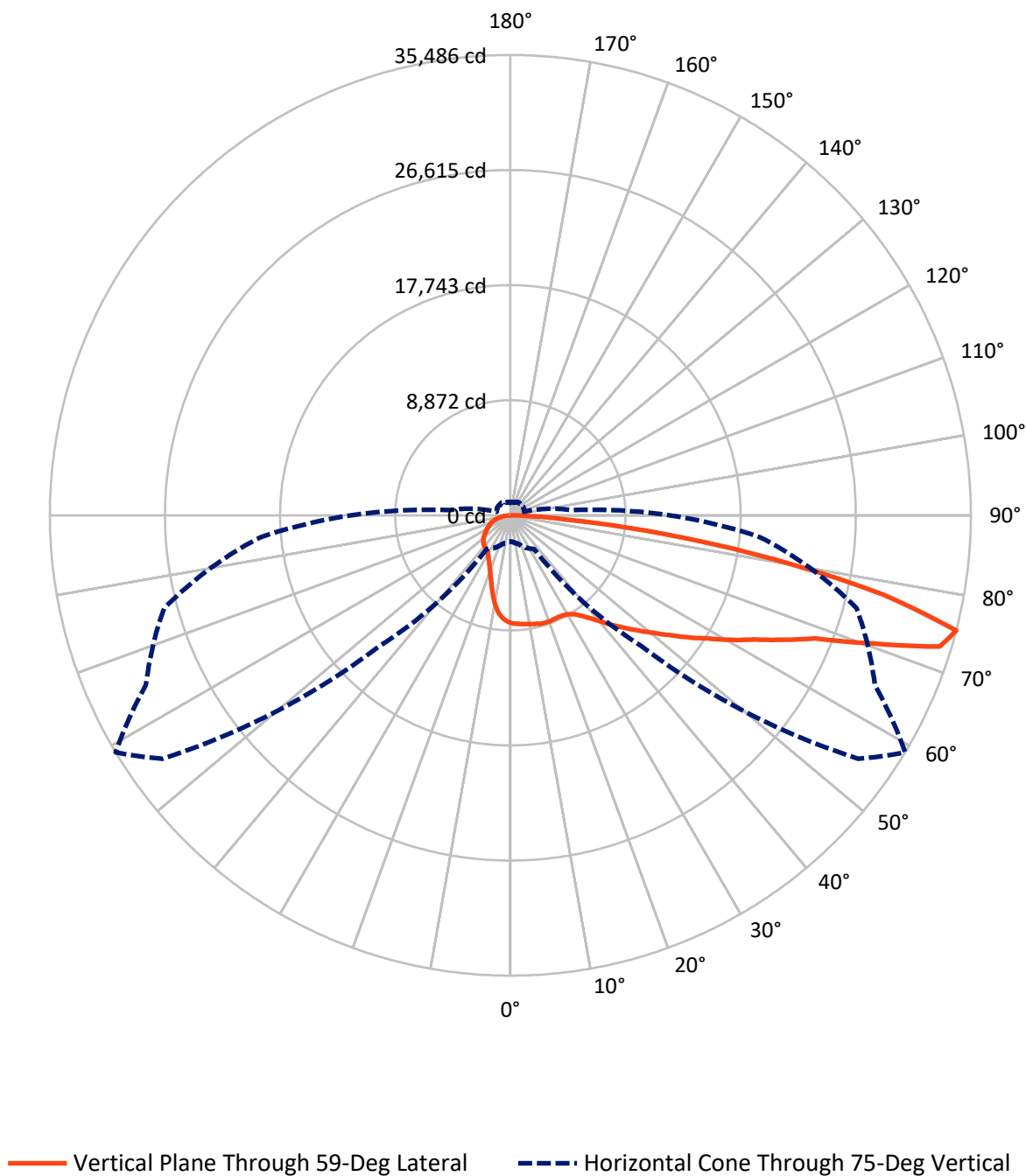
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.3 fc  
Type IV - Medium - N/A

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## Luminous Intensity Polar Plot



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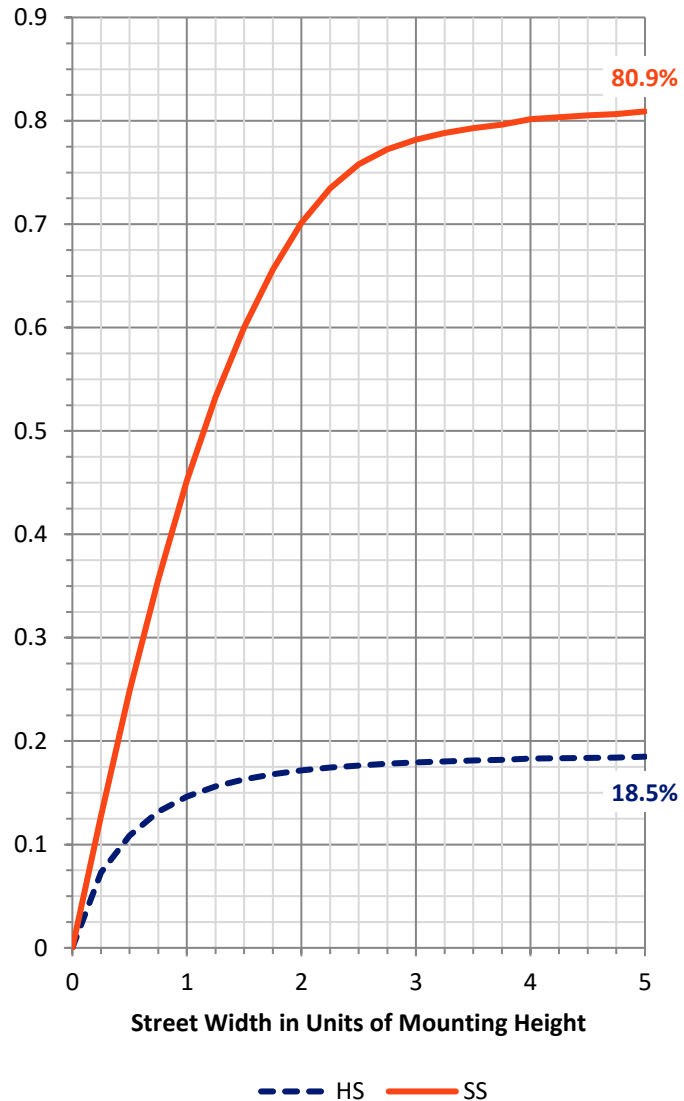
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 8489.4   | 0.0    | 8489.4  |
|                    | % Fixture | 18.8     | 0.0    | 18.8    |
| <b>Street Side</b> | Lumens    | 36773.6  | 0.0    | 36773.6 |
|                    | % Fixture | 81.2     | 0.0    | 81.2    |
| <b>Total</b>       | Lumens    | 45263.0  | 0.0    | 45263.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 744.9   | 1.6       |
| 10°-20°   | 1904.1  | 4.2       |
| 20°-30°   | 2892.2  | 6.4       |
| 30°-40°   | 4299.2  | 9.5       |
| 40°-50°   | 6393.6  | 14.1      |
| 50°-60°   | 8678.6  | 19.2      |
| 60°-70°   | 10595.1 | 23.4      |
| 70°-80°   | 8314.9  | 18.4      |
| 80°-90°   | 1440.4  | 3.2       |
| 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°    | 45263.0 | 100.0     |
| 0°-180°   | 45263.0 | 100.0     |

**Coefficient of Utilization**



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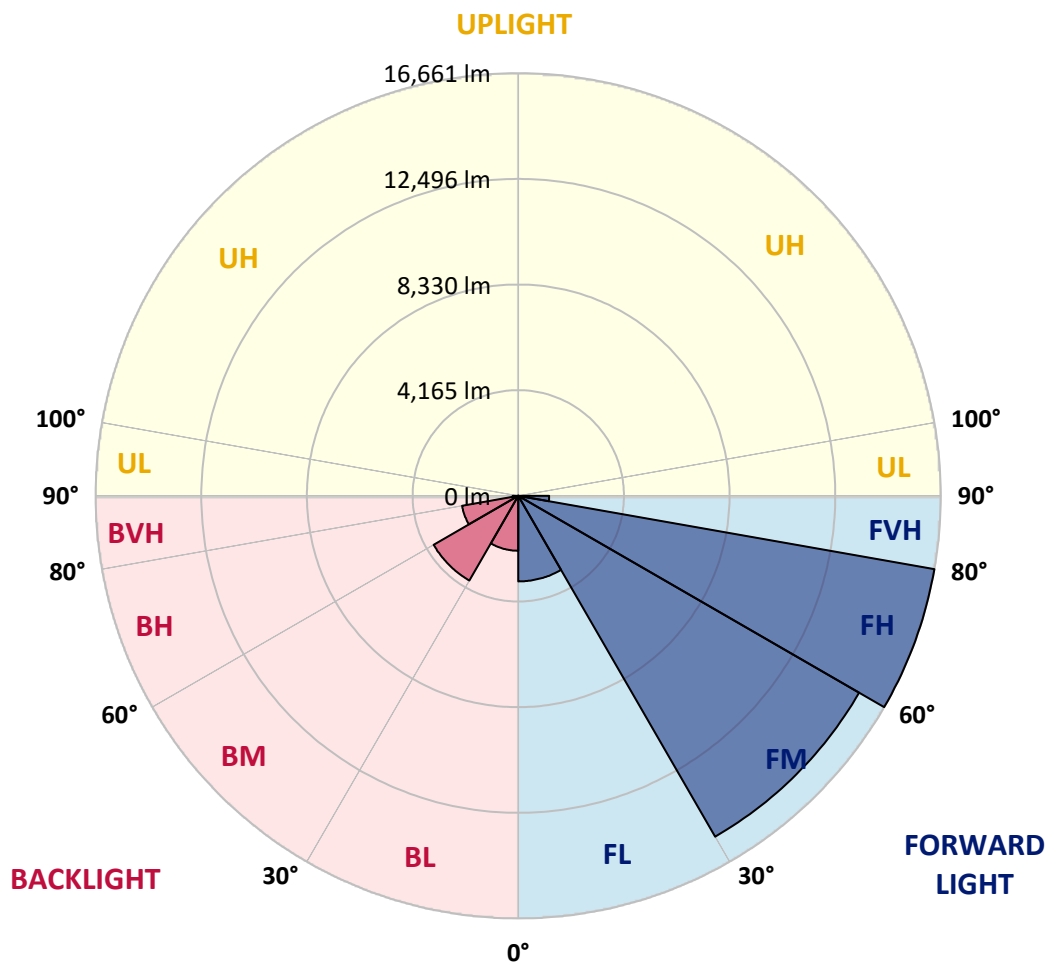
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3374.8  | 7.5       |                         |      |         |
| FM   | (30°-60°)   | 15518.0 | 34.3      |                         |      |         |
| FH   | (60°-80°)   | 16660.9 | 36.8      |                         |      | G5      |
| FVH  | (80°-90°)   | 1219.9  | 2.7       |                         |      | G5      |
| BL   | (0°-30°)    | 2166.4  | 4.8       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 3853.3  | 8.5       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2249.2  | 5.0       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 220.5   | 0.5       |                         |      | 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 IV Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 59°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 8307.9  | 8307.9  | 8307.9  | 8307.9  | 8307.9  | 8307.9  | 8307.9  | 8307.9  | 8307.9  | 8307.9  |
| 2.5°  | 8378.5  | 8349.3  | 8378.5  | 8366.4  | 8361.5  | 8351.8  | 8354.2  | 8371.2  | 8361.5  | 8373.7  |
| 5°    | 8322.5  | 8305.5  | 8334.7  | 8327.4  | 8359.1  | 8363.9  | 8395.6  | 8415.1  | 8427.2  | 8429.7  |
| 7.5°  | 8230.0  | 8213.0  | 8254.4  | 8288.4  | 8356.6  | 8376.1  | 8441.8  | 8473.5  | 8490.5  | 8519.8  |
| 10°   | 7891.6  | 7884.2  | 7986.5  | 8115.6  | 8276.3  | 8376.1  | 8475.9  | 8529.5  | 8556.3  | 8634.2  |
| 12.5° | 7292.6  | 7302.3  | 7436.2  | 7684.6  | 8006.0  | 8327.4  | 8514.9  | 8592.8  | 8634.2  | 8731.6  |
| 15°   | 6720.4  | 6717.9  | 6864.0  | 7129.4  | 7579.9  | 8113.1  | 8534.4  | 8668.3  | 8738.9  | 8882.6  |
| 17.5° | 6389.2  | 6379.5  | 6481.7  | 6683.8  | 7102.6  | 7784.4  | 8485.7  | 8709.7  | 8860.6  | 9040.8  |
| 20°   | 6328.3  | 6308.9  | 6362.4  | 6462.3  | 6759.3  | 7424.0  | 8359.1  | 8709.7  | 8958.0  | 9191.8  |
| 22.5° | 6549.9  | 6518.3  | 6496.3  | 6484.2  | 6615.7  | 7127.0  | 8215.4  | 8680.5  | 9101.7  | 9408.5  |
| 25°   | 6995.5  | 6946.8  | 6834.8  | 6725.2  | 6686.3  | 6993.1  | 8088.8  | 8673.2  | 9316.0  | 9700.7  |
| 27.5° | 7716.2  | 7655.4  | 7428.9  | 7165.9  | 6929.8  | 7061.2  | 8032.8  | 8717.0  | 9552.2  | 10009.9 |
| 30°   | 8609.9  | 8544.1  | 8259.2  | 7855.0  | 7431.4  | 7314.5  | 8103.4  | 8846.0  | 9854.1  | 10421.4 |
| 32.5° | 9410.9  | 9337.9  | 9094.4  | 8682.9  | 8110.7  | 7752.8  | 8327.4  | 9092.0  | 10328.9 | 10993.6 |
| 35°   | 10121.9 | 10036.7 | 9817.6  | 9437.7  | 8943.4  | 8368.8  | 8731.6  | 9527.8  | 11003.4 | 11923.8 |
| 37.5° | 10818.3 | 10718.5 | 10479.9 | 10078.1 | 9732.3  | 9189.4  | 9289.2  | 10087.8 | 11899.4 | 13053.6 |
| 40°   | 11597.5 | 11453.8 | 11164.1 | 10767.2 | 10431.2 | 10151.2 | 10022.1 | 10774.5 | 12810.1 | 14314.9 |
| 42.5° | 12352.3 | 12216.0 | 11870.2 | 11531.7 | 11110.5 | 11030.2 | 10871.9 | 11578.0 | 13806.0 | 15700.3 |
| 45°   | 13165.6 | 13002.4 | 12583.6 | 12155.1 | 11889.7 | 11614.5 | 11694.9 | 12381.5 | 14782.4 | 17112.6 |
| 47.5° | 13927.7 | 13745.1 | 13250.8 | 12773.6 | 12627.5 | 12106.4 | 12449.7 | 13265.4 | 15797.7 | 18544.3 |
| 50°   | 14339.2 | 14159.0 | 13747.5 | 13316.5 | 13202.1 | 12712.7 | 13267.8 | 14236.9 | 16861.8 | 19971.2 |
| 52.5° | 14682.5 | 14487.7 | 13949.6 | 13711.0 | 13676.9 | 13372.5 | 14275.9 | 15347.3 | 17925.8 | 21232.4 |
| 55°   | 15047.8 | 14831.1 | 14144.4 | 13930.1 | 14086.0 | 14112.8 | 15471.4 | 16606.1 | 19050.8 | 22462.1 |
| 57.5° | 15469.0 | 15193.9 | 14331.9 | 14115.2 | 14485.3 | 14979.6 | 16844.7 | 17911.2 | 20156.2 | 23601.6 |
| 60°   | 15865.9 | 15588.3 | 14692.3 | 14409.8 | 14916.3 | 15985.2 | 18420.1 | 19491.5 | 21407.8 | 24617.0 |
| 62.5° | 15943.8 | 15714.9 | 14979.6 | 14977.1 | 15500.7 | 17158.8 | 20285.3 | 21086.3 | 22501.0 | 25620.2 |
| 65°   | 14594.9 | 14451.2 | 14015.4 | 14955.2 | 16338.3 | 18848.7 | 22362.2 | 23126.8 | 23891.4 | 26496.7 |
| 67.5° | 11108.1 | 11127.6 | 11095.9 | 12909.9 | 15661.4 | 21276.3 | 25369.4 | 25310.9 | 25608.0 | 27480.4 |
| 70°   | 5079.2  | 5193.7  | 5938.8  | 8911.8  | 12547.1 | 21556.3 | 30341.4 | 29584.2 | 27762.9 | 28753.9 |
| 72.5° | 2744.1  | 2831.8  | 3136.2  | 4317.1  | 7543.4  | 19165.2 | 34057.1 | 34595.2 | 30628.8 | 29611.0 |
| 75°   | 2013.7  | 2062.4  | 2274.2  | 2744.1  | 3167.8  | 14244.2 | 32725.2 | 35486.4 | 30986.7 | 27611.9 |
| 77.5° | 1507.2  | 1529.1  | 1702.0  | 2174.4  | 1621.7  | 7509.3  | 26148.5 | 29389.4 | 26525.9 | 22686.1 |
| 80°   | 1093.3  | 1117.6  | 1246.7  | 1631.4  | 1137.1  | 2746.6  | 17955.0 | 20628.6 | 18166.9 | 14460.9 |
| 82.5° | 754.8   | 764.6   | 820.6   | 1110.3  | 793.8   | 1066.5  | 10187.7 | 12096.6 | 10141.4 | 5074.4  |
| 85°   | 455.3   | 467.5   | 491.9   | 647.7   | 450.5   | 506.5   | 4397.5  | 4548.4  | 3031.5  | 1212.6  |
| 87.5° | 187.5   | 199.7   | 219.1   | 272.7   | 177.7   | 141.2   | 725.6   | 910.7   | 567.3   | 355.5   |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 8307.9  | 0°    | 8307.9  | 8307.9 | 8307.9 | 8307.9 | 8307.9 | 8307.9 | 8307.9 | 8307.9 | 8307.9 | 8307.9 |
| 8332.3  | 2.5°  | 8320.1  | 8303.1 | 8256.8 | 8193.5 | 8135.0 | 8062.0 | 8030.3 | 8003.6 | 7979.2 | 7932.9 |
| 8398.0  | 5°    | 8371.2  | 8325.0 | 8200.8 | 8040.1 | 7857.5 | 7657.8 | 7463.0 | 7329.1 | 7214.6 | 7129.4 |
| 8473.5  | 7.5°  | 8449.1  | 8361.5 | 8135.0 | 7806.3 | 7387.5 | 6959.0 | 6571.8 | 6296.7 | 6089.7 | 6014.2 |
| 8580.6  | 10°   | 8529.5  | 8424.8 | 8030.3 | 7450.8 | 6727.7 | 6067.8 | 5554.0 | 5271.6 | 5106.0 | 5052.4 |
| 8707.2  | 12.5° | 8624.5  | 8471.1 | 7867.2 | 6956.5 | 5989.9 | 5266.7 | 4818.7 | 4653.1 | 4567.9 | 4538.7 |
| 8863.1  | 15°   | 8763.3  | 8510.0 | 7621.3 | 6338.1 | 5286.2 | 4682.3 | 4392.6 | 4278.1 | 4234.3 | 4231.9 |
| 9023.8  | 17.5° | 8868.0  | 8517.3 | 7239.0 | 5675.8 | 4745.6 | 4329.3 | 4090.7 | 4046.8 | 4076.0 | 4119.9 |
| 9182.1  | 20°   | 8984.8  | 8451.6 | 6737.4 | 5071.9 | 4365.8 | 4020.0 | 3920.2 | 3949.4 | 4020.0 | 4083.3 |
| 9391.5  | 22.5° | 9067.6  | 8332.3 | 6131.1 | 4602.0 | 4037.1 | 3842.3 | 3837.4 | 3898.3 | 3937.3 | 3968.9 |
| 9637.4  | 25°   | 9140.7  | 8130.2 | 5488.3 | 4207.5 | 3766.8 | 3735.2 | 3788.7 | 3769.2 | 3742.5 | 3769.2 |
| 9883.3  | 27.5° | 9194.2  | 7811.2 | 4913.7 | 3861.8 | 3576.9 | 3662.1 | 3630.5 | 3586.6 | 3584.2 | 3598.8 |
| 10173.1 | 30°   | 9177.2  | 7385.1 | 4441.3 | 3533.1 | 3443.0 | 3525.8 | 3450.3 | 3443.0 | 3435.7 | 3443.0 |
| 10608.9 | 32.5° | 9177.2  | 6900.5 | 4078.5 | 3306.6 | 3357.7 | 3326.1 | 3318.8 | 3301.7 | 3272.5 | 3270.1 |
| 11200.6 | 35°   | 9228.3  | 6416.0 | 3766.8 | 3184.9 | 3287.1 | 3211.7 | 3216.5 | 3175.1 | 3114.3 | 3085.0 |
| 11984.6 | 37.5° | 9333.0  | 6026.4 | 3457.6 | 3126.4 | 3163.0 | 3160.5 | 3141.0 | 3070.4 | 2963.3 | 2870.8 |
| 12963.5 | 40°   | 9586.3  | 5912.0 | 3245.7 | 3099.6 | 3104.5 | 3133.7 | 3082.6 | 2946.2 | 2702.8 | 2551.8 |
| 13956.9 | 42.5° | 9983.1  | 6104.3 | 3199.5 | 3033.9 | 3065.6 | 3094.8 | 2994.9 | 2678.4 | 2505.5 | 2415.4 |
| 14999.1 | 45°   | 10487.2 | 6440.3 | 3299.3 | 2938.9 | 2973.0 | 3024.2 | 2727.1 | 2576.1 | 2498.2 | 2500.7 |
| 16031.5 | 47.5° | 11125.1 | 6793.4 | 3484.4 | 2856.2 | 2839.1 | 2868.3 | 2549.4 | 2456.8 | 2349.7 | 2376.5 |
| 17022.5 | 50°   | 11862.9 | 7151.3 | 3659.7 | 2744.1 | 2690.6 | 2595.6 | 2434.9 | 2347.3 | 2210.9 | 2147.6 |
| 17979.4 | 52.5° | 12661.5 | 7497.1 | 3730.3 | 2607.8 | 2529.9 | 2420.3 | 2357.0 | 2249.9 | 2084.3 | 1979.6 |
| 18882.7 | 55°   | 13418.8 | 7811.2 | 3652.4 | 2444.7 | 2369.2 | 2283.9 | 2274.2 | 2208.5 | 2030.7 | 1884.6 |
| 19686.3 | 57.5° | 14134.7 | 8074.2 | 3457.6 | 2279.1 | 2206.0 | 2154.9 | 2220.6 | 2189.0 | 1965.0 | 1777.5 |
| 20446.0 | 60°   | 14741.0 | 8254.4 | 3175.1 | 2111.1 | 2059.9 | 2033.2 | 2133.0 | 2123.2 | 1872.4 | 1663.0 |
| 21127.7 | 62.5° | 15223.1 | 8325.0 | 2863.5 | 1950.4 | 1938.2 | 1889.5 | 2011.2 | 2011.2 | 1755.6 | 1551.0 |
| 21726.7 | 65°   | 15600.5 | 8256.8 | 2546.9 | 1792.1 | 1816.4 | 1743.4 | 1862.7 | 1848.1 | 1631.4 | 1451.2 |
| 22415.8 | 67.5° | 15934.1 | 8032.8 | 2196.3 | 1636.3 | 1692.3 | 1599.7 | 1706.9 | 1672.8 | 1495.0 | 1351.4 |
| 23012.4 | 70°   | 16082.6 | 7511.7 | 1797.0 | 1480.4 | 1548.6 | 1458.5 | 1551.0 | 1487.7 | 1341.6 | 1244.2 |
| 22357.4 | 72.5° | 14889.5 | 6243.1 | 1414.7 | 1317.3 | 1375.7 | 1302.7 | 1383.0 | 1310.0 | 1176.1 | 1132.2 |
| 19306.4 | 75°   | 12318.2 | 4684.8 | 1088.4 | 1139.5 | 1183.4 | 1127.4 | 1180.9 | 1127.4 | 1005.6 | 1037.3 |
| 14261.3 | 77.5° | 8945.9  | 3163.0 | 832.7  | 952.1  | 971.5  | 942.3  | 988.6  | 927.7  | 818.1  | 810.8  |
| 7107.5  | 80°   | 4448.6  | 1853.0 | 652.6  | 752.4  | 745.1  | 725.6  | 779.2  | 750.0  | 657.4  | 696.4  |
| 1918.7  | 82.5° | 1288.1  | 793.8  | 474.8  | 528.4  | 513.8  | 518.6  | 557.6  | 572.2  | 857.1  | 849.8  |
| 596.6   | 85°   | 404.2   | 311.7  | 284.9  | 294.6  | 280.0  | 287.3  | 328.7  | 652.6  | 603.9  | 353.1  |
| 185.1   | 87.5° | 104.7   | 107.1  | 70.6   | 75.5   | 77.9   | 92.5   | 104.7  | 396.9  | 189.9  | 124.2  |
| 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°   |
|--------|
| 8307.9 |
| 7911.0 |
| 7058.8 |
| 5882.7 |
| 4969.7 |
| 4546.0 |
| 4241.6 |
| 4136.9 |
| 4105.3 |
| 3986.0 |
| 3786.3 |
| 3623.2 |
| 3469.8 |
| 3301.7 |
| 3114.3 |
| 2902.4 |
| 2571.3 |
| 2415.4 |
| 2512.8 |
| 2444.7 |
| 2164.6 |
| 1977.1 |
| 1884.6 |
| 1767.7 |
| 1655.7 |
| 1543.7 |
| 1441.5 |
| 1341.6 |
| 1224.8 |
| 1095.7 |
| 947.2  |
| 774.3  |
| 689.1  |
| 869.3  |
| 382.3  |
| 131.5  |
| 0.0    |