

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: P957591

Luminaire Tested: **GLAN-SB9D-927-U-T2R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P957591  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9D-927-U-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 57465 lumens  
Efficiency: N/A  
Efficacy: 87.3 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): 658  
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



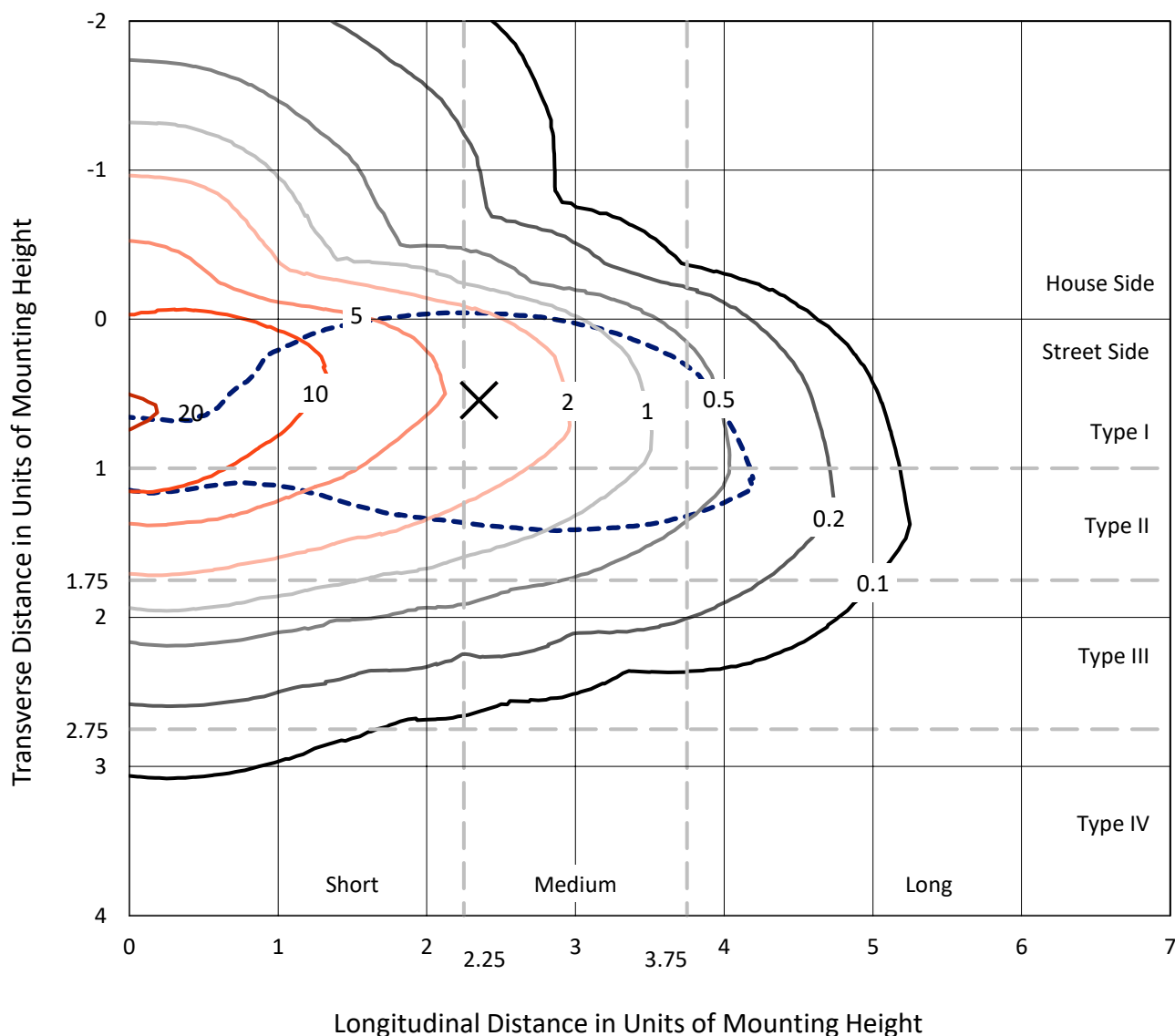
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

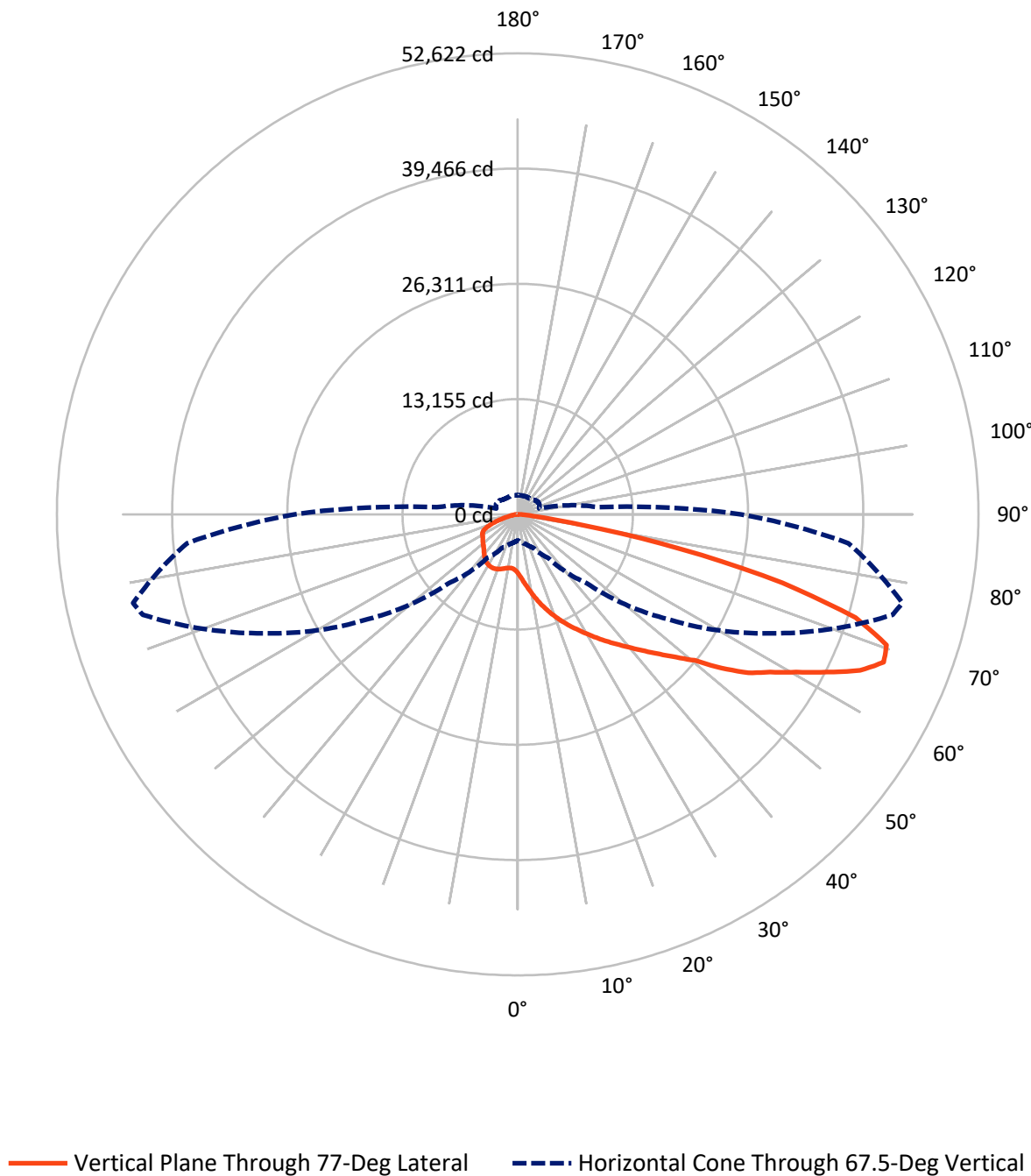
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.1 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    | 10870.1  | 0.0    | 10870.1 |
|                    | % Fixture | 18.9     | 0.0    | 18.9    |
| <b>Street Side</b> | Lumens    | 46594.9  | 0.0    | 46594.9 |
|                    | % Fixture | 81.1     | 0.0    | 81.1    |
| <b>Total</b>       | Lumens    | 57465.0  | 0.0    | 57465.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 722.7   | 1.3       |
| 10°-20°   | 2596.4  | 4.5       |
| 20°-30°   | 4902.2  | 8.5       |
| 30°-40°   | 7897.3  | 13.7      |
| 40°-50°   | 10802.1 | 18.8      |
| 50°-60°   | 12184.9 | 21.2      |
| 60°-70°   | 11373.1 | 19.8      |
| 70°-80°   | 6234.3  | 10.8      |
| 80°-90°   | 752.0   | 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°    | 57465.0 | 100.0     |
| 0°-180°   | 57465.0 | 100.0     |

**Coefficient of Utilization**



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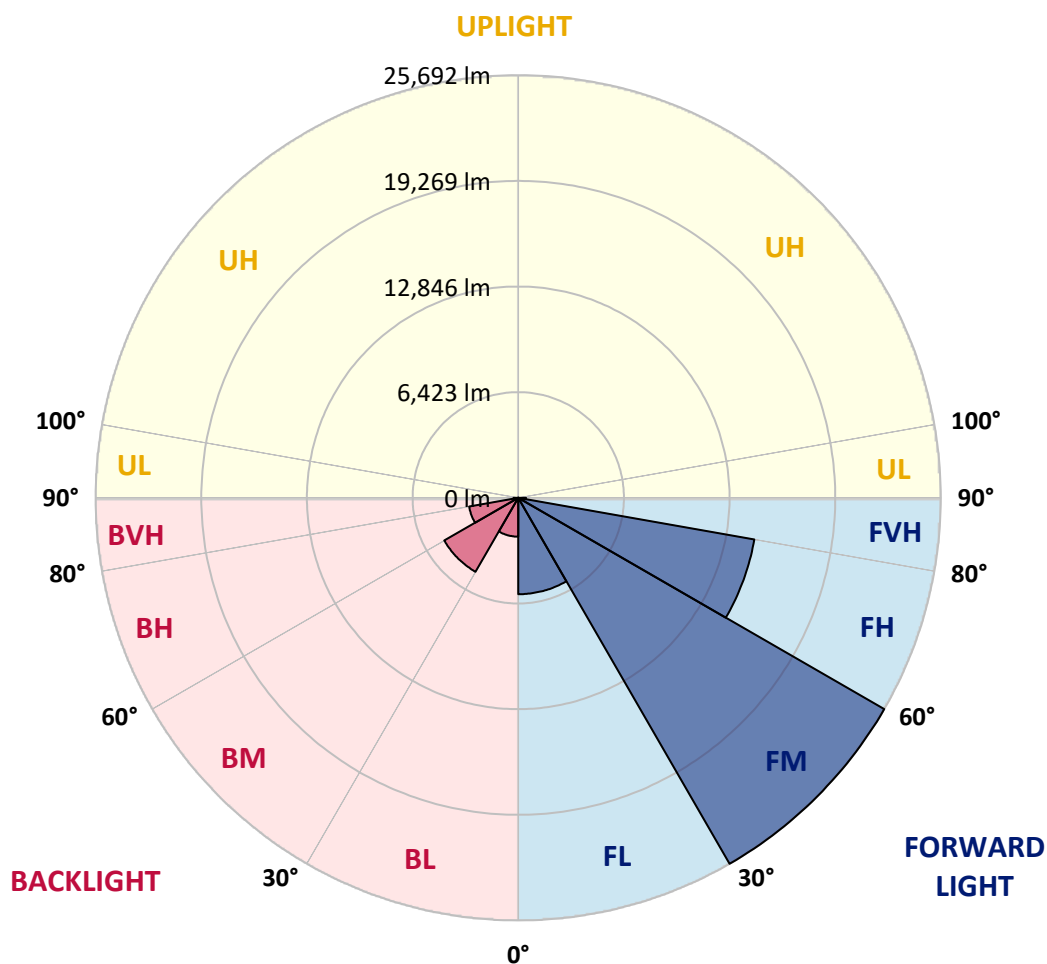
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 5857.8  | 10.2      |                         |      |         |
| FM   | (30°-60°)   | 25692.0 | 44.7      |                         |      |         |
| FH   | (60°-80°)   | 14574.8 | 25.4      |                         |      | G5      |
| FVH  | (80°-90°)   | 470.3   | 0.8       |                         |      | G3/500  |
| BL   | (0°-30°)    | 2363.4  | 4.1       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 5192.4  | 9.0       | B4/8500                 |      |         |
| BH   | (60°-80°)   | 3032.6  | 5.3       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 281.7   | 0.5       |                         |      | 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°     | 77°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 6742.4  | 6742.4  | 6742.4  | 6742.4  | 6742.4  | 6742.4  | 6742.4  | 6742.4  | 6742.4  | 6742.4  |
| 2.5°  | 8442.1  | 8501.5  | 8427.3  | 8427.3  | 8178.1  | 8047.6  | 7798.4  | 7608.6  | 7267.5  | 7208.1  |
| 5°    | 9978.7  | 10052.8 | 9949.0  | 9904.5  | 9610.9  | 9340.9  | 8922.7  | 8510.4  | 7902.3  | 7840.0  |
| 7.5°  | 11168.2 | 11263.1 | 11171.1 | 11123.7 | 10862.6 | 10560.1 | 10070.6 | 9495.2  | 8637.9  | 8516.3  |
| 10°   | 12138.2 | 12153.0 | 12123.3 | 12141.1 | 11936.4 | 11687.3 | 11186.0 | 10515.6 | 9444.7  | 9278.6  |
| 12.5° | 12686.9 | 12755.1 | 12814.5 | 12921.3 | 12885.7 | 12731.4 | 12280.5 | 11479.6 | 10299.0 | 10085.5 |
| 15°   | 12945.0 | 13063.6 | 13197.1 | 13443.3 | 13642.1 | 13680.6 | 13336.5 | 12514.9 | 11168.2 | 10910.1 |
| 17.5° | 13036.9 | 13149.7 | 13360.3 | 13716.2 | 14143.4 | 14431.1 | 14276.9 | 13520.5 | 12028.4 | 11731.8 |
| 20°   | 13502.7 | 13535.3 | 13662.8 | 14001.0 | 14463.7 | 14941.3 | 15057.0 | 14487.5 | 12879.7 | 12544.5 |
| 22.5° | 14499.3 | 14434.1 | 14469.7 | 14623.9 | 14956.2 | 15418.9 | 15682.9 | 15341.8 | 13754.8 | 13369.2 |
| 25°   | 16145.6 | 15955.8 | 15766.0 | 15588.0 | 15757.1 | 16018.1 | 16317.7 | 16196.1 | 14671.4 | 14181.9 |
| 27.5° | 18225.0 | 17993.7 | 17575.4 | 16991.0 | 16786.4 | 16878.3 | 17011.8 | 16988.1 | 15519.8 | 15024.4 |
| 30°   | 20271.8 | 20001.8 | 19503.5 | 18658.1 | 18118.2 | 17875.0 | 17774.1 | 17705.9 | 16442.3 | 15914.3 |
| 32.5° | 21906.2 | 21692.6 | 21203.2 | 20257.0 | 19473.8 | 19058.6 | 18723.4 | 18480.1 | 17406.3 | 16878.3 |
| 35°   | 23336.0 | 23137.2 | 22576.6 | 21544.3 | 20693.0 | 20251.0 | 19812.0 | 19292.9 | 18408.9 | 17875.0 |
| 37.5° | 24641.2 | 24442.4 | 23674.1 | 22600.3 | 21743.1 | 21437.5 | 21046.0 | 20165.0 | 19414.5 | 18910.2 |
| 40°   | 25465.8 | 25421.3 | 24703.5 | 23487.3 | 22597.4 | 22446.1 | 22315.6 | 21176.5 | 20529.9 | 20061.2 |
| 42.5° | 25676.4 | 25774.3 | 25204.8 | 24205.1 | 23356.7 | 23235.1 | 23540.7 | 22321.5 | 21781.6 | 21333.7 |
| 45°   | 25169.2 | 25451.0 | 25077.2 | 24397.9 | 23896.6 | 23831.4 | 24626.3 | 23573.3 | 23166.9 | 22757.6 |
| 47.5° | 23884.8 | 24362.3 | 24208.1 | 24113.2 | 24042.0 | 24323.8 | 25581.5 | 24902.2 | 24736.1 | 24380.1 |
| 50°   | 21292.2 | 22196.9 | 22466.9 | 23066.1 | 23754.2 | 24706.4 | 26450.6 | 26352.7 | 26569.3 | 26210.3 |
| 52.5° | 16810.1 | 18055.9 | 19622.2 | 21123.1 | 22870.3 | 24578.9 | 27405.8 | 28435.1 | 29348.7 | 29152.9 |
| 55°   | 13876.4 | 14437.0 | 15641.4 | 18394.1 | 21155.7 | 24042.0 | 27835.9 | 30117.0 | 32107.4 | 31932.4 |
| 57.5° | 11622.0 | 12123.3 | 12864.9 | 15163.8 | 18563.2 | 22822.8 | 28102.9 | 31143.3 | 33996.9 | 33979.1 |
| 60°   | 9204.5  | 9735.4  | 10494.8 | 12123.3 | 15534.6 | 20716.7 | 28043.5 | 32312.0 | 36408.5 | 36556.8 |
| 62.5° | 6475.5  | 7059.8  | 7902.3  | 9421.0  | 12440.7 | 17987.7 | 26833.3 | 33157.4 | 39247.3 | 39650.7 |
| 65°   | 4256.7  | 4642.3  | 5277.1  | 6588.2  | 9269.7  | 14478.6 | 24522.5 | 33267.2 | 42284.8 | 42967.0 |
| 67.5° | 2984.1  | 3132.4  | 3506.2  | 4218.1  | 6110.6  | 11102.9 | 20841.3 | 32131.1 | 44310.8 | 45079.1 |
| 70°   | 2328.6  | 2402.7  | 2592.6  | 2877.3  | 3838.4  | 7466.2  | 15970.6 | 29176.7 | 43877.7 | 44678.6 |
| 72.5° | 2011.2  | 2082.4  | 2153.5  | 2189.1  | 2574.8  | 4609.7  | 10818.1 | 24395.0 | 39799.0 | 40341.9 |
| 75°   | 1824.3  | 1842.1  | 1901.4  | 1889.5  | 1963.7  | 2990.0  | 6244.1  | 17774.1 | 31401.4 | 31214.5 |
| 77.5° | 1533.6  | 1557.3  | 1655.2  | 1640.4  | 1744.2  | 2043.8  | 3242.2  | 11470.7 | 20357.8 | 19088.2 |
| 80°   | 1299.2  | 1311.1  | 1417.9  | 1400.1  | 1515.8  | 1480.2  | 1655.2  | 5846.6  | 8634.9  | 7314.9  |
| 82.5° | 450.9   | 557.7   | 1082.7  | 1115.3  | 1156.9  | 895.8   | 955.2   | 2384.9  | 2637.1  | 2020.1  |
| 85°   | 219.5   | 234.3   | 551.7   | 783.1   | 780.1   | 450.9   | 465.7   | 851.3   | 830.6   | 652.6   |
| 87.5° | 35.6    | 44.5    | 65.3    | 305.5   | 243.2   | 118.7   | 160.2   | 166.1   | 172.0   | 148.3   |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6742.4  | 0°    | 6742.4  | 6742.4  | 6742.4 | 6742.4 | 6742.4 | 6742.4 | 6742.4 | 6742.4 | 6742.4 | 6742.4 |
| 6982.7  | 2.5°  | 6816.6  | 6668.3  | 6356.8 | 6069.1 | 5843.6 | 5627.1 | 5505.5 | 5401.7 | 5342.3 | 5330.5 |
| 7309.0  | 5°    | 7000.5  | 6695.0  | 6128.4 | 5650.8 | 5339.4 | 5108.0 | 4986.4 | 4909.2 | 4870.7 | 4847.0 |
| 7748.0  | 7.5°  | 7264.5  | 6816.6  | 6009.8 | 5466.9 | 5140.6 | 4974.5 | 4912.2 | 4900.3 | 4897.4 | 4900.3 |
| 8279.0  | 10°   | 7629.4  | 7015.3  | 5997.9 | 5422.4 | 5149.5 | 5057.6 | 5054.6 | 5057.6 | 5069.4 | 5072.4 |
| 8857.4  | 12.5° | 8023.9  | 7220.0  | 6045.3 | 5461.0 | 5262.2 | 5211.8 | 5202.9 | 5199.9 | 5208.8 | 5214.8 |
| 9441.8  | 15°   | 8454.0  | 7489.9  | 6125.4 | 5544.0 | 5386.8 | 5333.4 | 5324.5 | 5306.7 | 5303.8 | 5300.8 |
| 10055.8 | 17.5° | 8896.0  | 7756.9  | 6214.4 | 5633.0 | 5466.9 | 5392.8 | 5360.1 | 5318.6 | 5286.0 | 5277.1 |
| 10690.6 | 20°   | 9343.9  | 8020.9  | 6276.7 | 5677.5 | 5472.8 | 5369.0 | 5303.8 | 5232.6 | 5176.2 | 5143.6 |
| 11331.3 | 22.5° | 9821.5  | 8296.8  | 6315.3 | 5665.7 | 5419.5 | 5277.1 | 5158.4 | 5075.4 | 4989.3 | 4933.0 |
| 11978.0 | 25°   | 10287.2 | 8537.0  | 6312.3 | 5603.4 | 5315.6 | 5134.7 | 4983.4 | 4876.6 | 4758.0 | 4698.6 |
| 12645.4 | 27.5° | 10735.1 | 8753.6  | 6238.2 | 5493.6 | 5167.3 | 4965.6 | 4784.7 | 4657.1 | 4541.4 | 4485.1 |
| 13318.7 | 30°   | 11197.8 | 8934.5  | 6122.5 | 5333.4 | 4992.3 | 4769.8 | 4571.1 | 4461.3 | 4357.5 | 4304.1 |
| 14030.7 | 32.5° | 11657.6 | 9100.6  | 5959.3 | 5134.7 | 4790.6 | 4577.0 | 4381.2 | 4280.4 | 4218.1 | 4218.1 |
| 14796.0 | 35°   | 12144.1 | 9216.3  | 5742.8 | 4903.3 | 4577.0 | 4372.3 | 4218.1 | 4158.8 | 4152.8 | 4117.2 |
| 15605.8 | 37.5° | 12657.3 | 9290.5  | 5478.8 | 4666.0 | 4366.4 | 4173.6 | 4126.1 | 4055.0 | 3995.6 | 3918.5 |
| 16495.7 | 40°   | 13197.1 | 9364.7  | 5161.4 | 4419.8 | 4143.9 | 4037.2 | 4016.4 | 3921.5 | 3752.4 | 3562.5 |
| 17504.2 | 42.5° | 13852.7 | 9415.1  | 4832.1 | 4173.6 | 3909.6 | 3874.0 | 3903.7 | 3740.5 | 3470.6 | 3328.2 |
| 18720.4 | 45°   | 14612.1 | 9498.1  | 4529.6 | 3930.4 | 3669.3 | 3669.3 | 3793.9 | 3580.3 | 3357.9 | 3268.9 |
| 20108.6 | 47.5° | 15596.9 | 9690.9  | 4247.8 | 3663.4 | 3446.9 | 3506.2 | 3550.7 | 3387.5 | 3262.9 | 3153.2 |
| 21799.4 | 50°   | 17020.7 | 10153.7 | 3957.1 | 3393.5 | 3277.8 | 3396.4 | 3334.1 | 3239.2 | 3093.9 | 3004.9 |
| 24486.9 | 52.5° | 18788.6 | 10426.6 | 3699.0 | 3150.2 | 3132.4 | 3251.1 | 3162.1 | 3073.1 | 2963.3 | 2844.7 |
| 26524.8 | 55°   | 19993.0 | 10477.0 | 3482.5 | 2972.2 | 3034.5 | 3022.7 | 2990.0 | 2910.0 | 2850.6 | 2693.4 |
| 28535.9 | 57.5° | 21339.7 | 10577.9 | 3304.5 | 2865.5 | 2972.2 | 2841.7 | 2829.9 | 2761.6 | 2684.5 | 2577.7 |
| 30989.1 | 60°   | 22950.4 | 10735.1 | 3150.2 | 2823.9 | 2918.9 | 2723.1 | 2663.7 | 2637.1 | 2559.9 | 2506.5 |
| 33940.6 | 62.5° | 24706.4 | 10877.5 | 2993.0 | 2829.9 | 2856.6 | 2607.4 | 2518.4 | 2509.5 | 2462.0 | 2444.2 |
| 36711.1 | 65°   | 25904.8 | 10488.9 | 2797.2 | 2823.9 | 2758.7 | 2488.7 | 2376.0 | 2373.1 | 2334.5 | 2328.6 |
| 37912.4 | 67.5° | 25486.6 | 9257.9  | 2533.2 | 2740.9 | 2657.8 | 2370.1 | 2245.5 | 2233.6 | 2183.2 | 2186.2 |
| 36657.7 | 70°   | 23392.3 | 7501.8  | 2168.4 | 2536.2 | 2533.2 | 2263.3 | 2109.0 | 2070.5 | 2002.3 | 2014.1 |
| 31873.0 | 72.5° | 19464.9 | 5558.9  | 1678.9 | 2195.1 | 2334.5 | 2165.4 | 1951.8 | 1889.5 | 1803.5 | 1815.4 |
| 23528.8 | 75°   | 14057.4 | 3779.1  | 1222.1 | 1670.0 | 2031.9 | 2049.7 | 1797.6 | 1690.8 | 1587.0 | 1604.8 |
| 13096.3 | 77.5° | 7193.3  | 2141.7  | 898.8  | 1150.9 | 1595.9 | 1862.8 | 1658.2 | 1515.8 | 1492.1 | 1658.2 |
| 3776.1  | 80°   | 2346.4  | 1073.8  | 622.9  | 806.8  | 1047.1 | 1524.7 | 1453.5 | 1290.3 | 1284.4 | 1323.0 |
| 792.0   | 82.5° | 700.0   | 453.8   | 400.5  | 531.0  | 578.4  | 1168.7 | 1254.8 | 975.9  | 839.5  | 884.0  |
| 264.0   | 85°   | 240.3   | 219.5   | 228.4  | 264.0  | 275.9  | 685.2  | 878.0  | 646.7  | 611.1  | 673.4  |
| 59.3    | 87.5° | 56.4    | 77.1    | 65.3   | 59.3   | 59.3   | 166.1  | 341.1  | 269.9  | 373.8  | 249.2  |
| 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°   |
|--------|
| 6742.4 |
| 5330.5 |
| 4844.0 |
| 4909.2 |
| 5075.4 |
| 5217.7 |
| 5297.8 |
| 5286.0 |
| 5155.5 |
| 4935.9 |
| 4698.6 |
| 4482.1 |
| 4301.2 |
| 4221.1 |
| 4108.3 |
| 3906.6 |
| 3535.8 |
| 3331.2 |
| 3283.7 |
| 3150.2 |
| 2996.0 |
| 2821.0 |
| 2696.4 |
| 2542.1 |
| 2521.4 |
| 2444.2 |
| 2325.6 |
| 2186.2 |
| 2026.0 |
| 1812.4 |
| 1610.7 |
| 1634.4 |
| 1136.1 |
| 913.6  |
| 664.5  |
| 240.3  |
| 0.0    |