

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: P957595

Luminaire Tested: **GLAN-SB9D-927-U-T3R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P957595  
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-SB9D-927-U-T3R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 57919 lumens  
Efficiency: N/A  
Efficacy: 88.0 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): 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



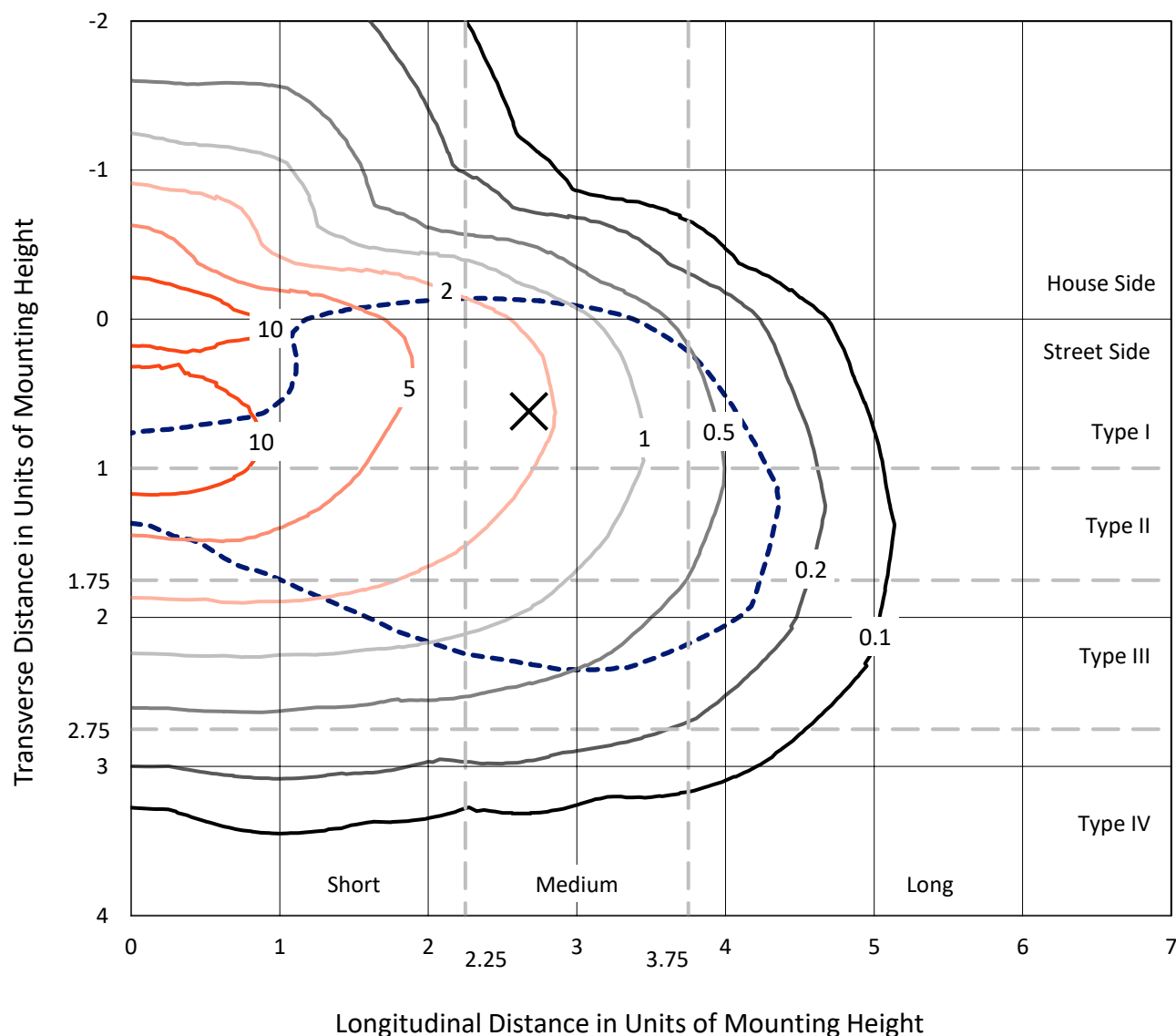
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

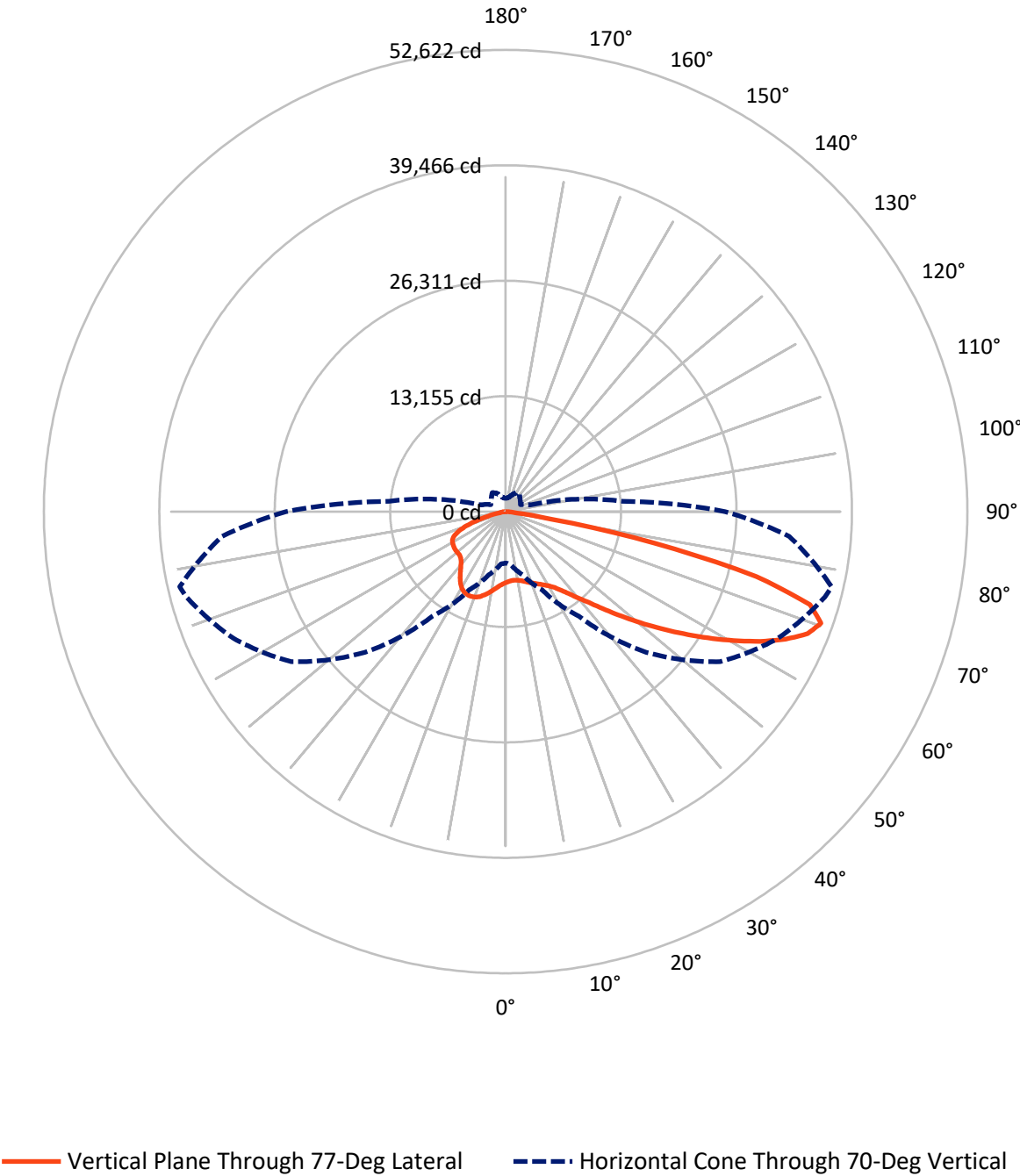


Based on 25 foot mounting height. Maximum calculated value = 15.3 fc

Type III - Medium - N/A

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Luminous Intensity Polar Plot



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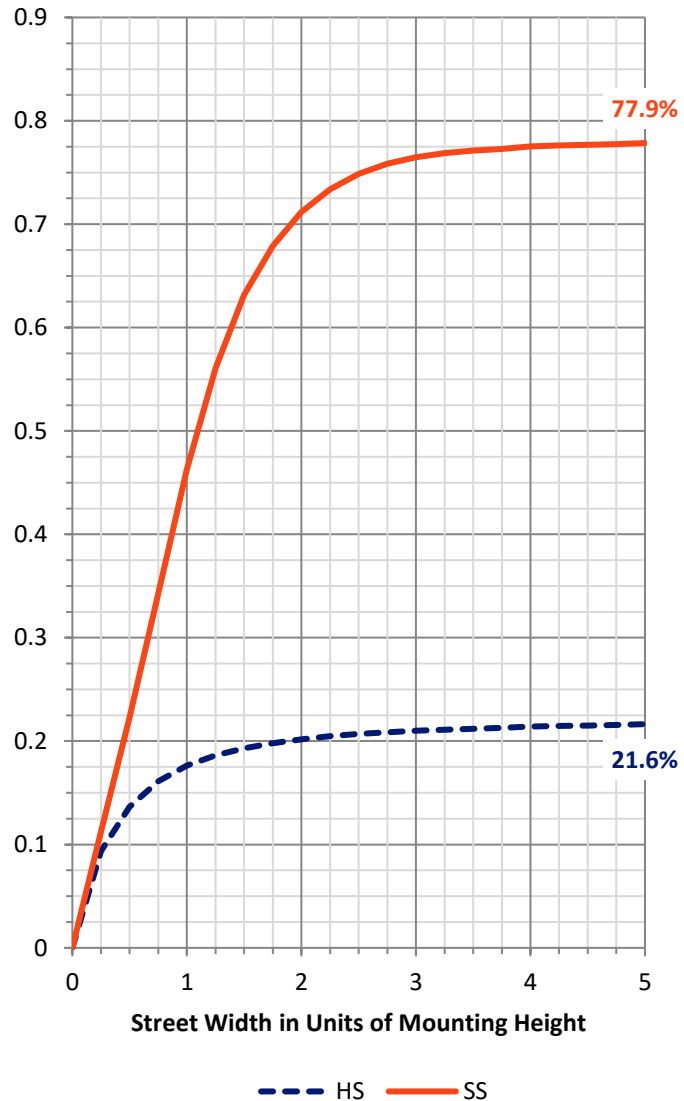
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 12683.4  | 0.0    | 12683.4 |
|                    | % Fixture | 21.9     | 0.0    | 21.9    |
| <b>Street Side</b> | Lumens    | 45235.6  | 0.0    | 45235.6 |
|                    | % Fixture | 78.1     | 0.0    | 78.1    |
| <b>Total</b>       | Lumens    | 57919.0  | 0.0    | 57919.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 770.6   | 1.3       |
| 10°-20°   | 2224.1  | 3.8       |
| 20°-30°   | 3803.6  | 6.6       |
| 30°-40°   | 6116.5  | 10.6      |
| 40°-50°   | 9549.5  | 16.5      |
| 50°-60°   | 12755.9 | 22.0      |
| 60°-70°   | 13595.8 | 23.5      |
| 70°-80°   | 8369.5  | 14.5      |
| 80°-90°   | 733.4   | 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°    | 57919.0 | 100.0     |
| 0°-180°   | 57919.0 | 100.0     |

**Coefficient of Utilization**



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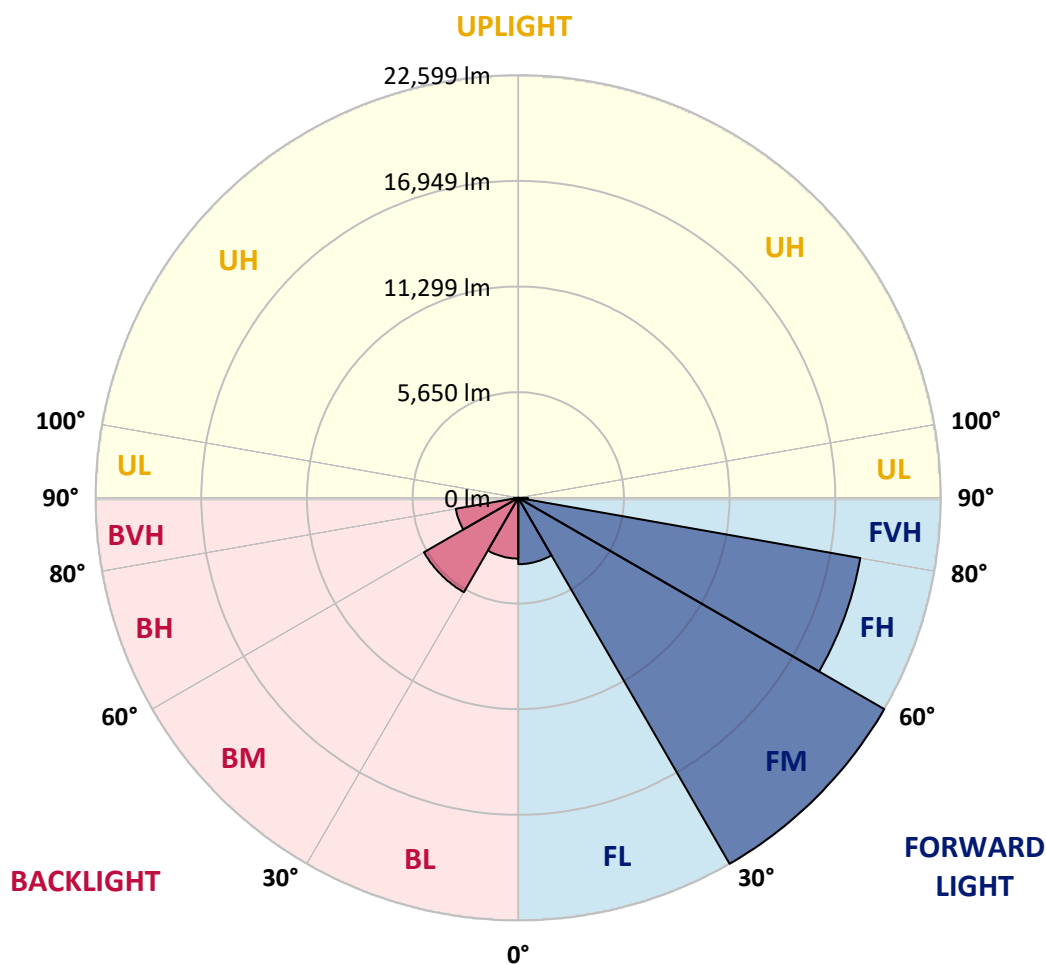
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3548.5  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 22598.7 | 39.0      |                         |      |         |
| FH   | (60°-80°)   | 18575.6 | 32.1      |                         |      | G5      |
| FVH  | (80°-90°)   | 512.8   | 0.9       |                         |      | G4/750  |
| BL   | (0°-30°)    | 3249.9  | 5.6       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 5823.2  | 10.1      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 3389.7  | 5.9       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 220.6   | 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°    | 8080.2  | 8080.2  | 8080.2  | 8080.2  | 8080.2  | 8080.2  | 8080.2  | 8080.2  | 8080.2  | 8080.2  |
| 2.5°  | 7448.4  | 7445.4  | 7484.0  | 7495.9  | 7567.1  | 7617.5  | 7712.4  | 7813.3  | 7943.8  | 7958.6  |
| 5°    | 7018.3  | 7018.3  | 7062.8  | 7110.2  | 7202.2  | 7303.1  | 7448.4  | 7623.4  | 7848.9  | 7884.5  |
| 7.5°  | 6653.4  | 6677.2  | 6715.7  | 6807.7  | 6914.5  | 7059.8  | 7282.3  | 7531.5  | 7828.1  | 7884.5  |
| 10°   | 6359.8  | 6386.5  | 6433.9  | 6508.1  | 6668.3  | 6870.0  | 7160.7  | 7481.0  | 7878.5  | 7967.5  |
| 12.5° | 6267.8  | 6294.5  | 6321.2  | 6377.6  | 6525.9  | 6763.2  | 7110.2  | 7504.8  | 8000.1  | 8089.1  |
| 15°   | 6481.4  | 6514.0  | 6493.3  | 6478.4  | 6555.5  | 6772.1  | 7134.0  | 7590.8  | 8151.4  | 8279.0  |
| 17.5° | 6973.8  | 6985.7  | 6938.2  | 6798.8  | 6786.9  | 6902.6  | 7246.7  | 7709.4  | 8341.3  | 8480.7  |
| 20°   | 7768.8  | 7748.0  | 7650.1  | 7374.2  | 7217.0  | 7193.3  | 7439.5  | 7887.4  | 8537.0  | 8685.4  |
| 22.5° | 8848.5  | 8824.8  | 8629.0  | 8192.9  | 7842.9  | 7611.6  | 7718.3  | 8118.8  | 8756.5  | 8922.7  |
| 25°   | 10195.2 | 10162.6 | 9874.8  | 9281.6  | 8738.7  | 8166.3  | 8098.0  | 8424.3  | 9026.5  | 9180.7  |
| 27.5° | 11767.4 | 11740.7 | 11429.2 | 10646.1 | 9863.0  | 8925.6  | 8569.7  | 8783.2  | 9308.3  | 9483.3  |
| 30°   | 13458.1 | 13535.3 | 12983.5 | 12141.1 | 11150.4 | 9916.4  | 9204.5  | 9225.2  | 9673.1  | 9830.4  |
| 32.5° | 15445.6 | 15579.1 | 14914.6 | 13846.7 | 12494.1 | 10993.1 | 10005.4 | 9842.2  | 10204.1 | 10334.6 |
| 35°   | 17415.2 | 17566.5 | 17014.8 | 15834.2 | 14276.9 | 12262.7 | 10841.9 | 10551.2 | 10910.1 | 11052.5 |
| 37.5° | 19117.9 | 19319.6 | 19034.8 | 18008.5 | 16184.2 | 13793.3 | 11933.5 | 11384.7 | 11779.2 | 11957.2 |
| 40°   | 20461.6 | 20770.1 | 20749.3 | 20108.6 | 18432.7 | 15650.3 | 13318.7 | 12414.0 | 12859.0 | 13051.8 |
| 42.5° | 21553.2 | 21820.2 | 22051.5 | 22018.9 | 20779.0 | 17759.3 | 14947.2 | 13751.8 | 14090.0 | 14312.4 |
| 45°   | 22306.7 | 22591.4 | 23089.8 | 23626.7 | 23036.4 | 20016.7 | 16813.0 | 15338.8 | 15647.3 | 15982.5 |
| 47.5° | 22980.0 | 23303.3 | 23950.0 | 24801.3 | 24952.6 | 22282.9 | 18856.8 | 17186.8 | 17468.6 | 17815.7 |
| 50°   | 23039.3 | 23318.2 | 24320.8 | 25528.1 | 26314.1 | 24460.2 | 21051.9 | 19260.3 | 19524.3 | 19895.0 |
| 52.5° | 21606.6 | 22045.6 | 23795.7 | 25507.3 | 26940.0 | 26281.5 | 23232.1 | 21416.8 | 21713.4 | 22158.3 |
| 55°   | 16771.5 | 17415.2 | 22256.2 | 24712.3 | 26717.6 | 27459.1 | 25305.6 | 23709.7 | 24089.4 | 24555.1 |
| 57.5° | 14445.9 | 14727.7 | 17667.3 | 23264.8 | 25703.1 | 27764.7 | 27055.7 | 26026.4 | 26637.5 | 27147.7 |
| 60°   | 12983.5 | 13217.9 | 14956.1 | 21013.3 | 24368.2 | 27281.2 | 28408.4 | 28185.9 | 29241.9 | 29850.0 |
| 62.5° | 11417.3 | 11639.8 | 13220.8 | 17545.7 | 22659.6 | 26477.3 | 29262.6 | 30179.2 | 31911.6 | 32576.0 |
| 65°   | 9863.0  | 10052.8 | 11568.6 | 14742.6 | 20488.3 | 25673.4 | 29704.6 | 31902.7 | 34382.5 | 35070.7 |
| 67.5° | 8130.7  | 8287.9  | 9720.6  | 12437.7 | 17848.3 | 24572.9 | 29924.1 | 33258.3 | 36533.1 | 37123.4 |
| 70°   | 5867.4  | 5989.0  | 7469.2  | 9836.3  | 14534.9 | 22680.4 | 29835.1 | 34219.4 | 37648.4 | 38120.1 |
| 72.5° | 2773.5  | 2883.3  | 4621.5  | 6386.5  | 10266.4 | 18996.3 | 28034.6 | 33457.0 | 36515.3 | 36280.9 |
| 75°   | 1480.2  | 1575.1  | 2654.8  | 3503.2  | 5422.4  | 13022.1 | 22941.4 | 28820.7 | 30662.7 | 29523.7 |
| 77.5° | 1002.6  | 1076.8  | 1643.3  | 2103.1  | 2476.9  | 6181.8  | 14745.5 | 19954.4 | 19198.0 | 17317.3 |
| 80°   | 795.0   | 872.1   | 1346.7  | 1423.8  | 1198.4  | 2233.6  | 6092.8  | 9237.1  | 6635.6  | 5306.7  |
| 82.5° | 611.1   | 697.1   | 1133.1  | 1032.3  | 652.6   | 916.6   | 1773.9  | 2921.8  | 1699.7  | 1293.3  |
| 85°   | 373.8   | 465.7   | 889.9   | 658.5   | 367.8   | 418.2   | 602.2   | 812.8   | 519.1   | 433.1   |
| 87.5° | 189.8   | 267.0   | 450.9   | 240.3   | 166.1   | 97.9    | 160.2   | 160.2   | 136.5   | 118.7   |
| 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°   |
|---------|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| 8080.2  | 0°    | 8080.2  | 8080.2  | 8080.2  | 8080.2 | 8080.2 | 8080.2 | 8080.2 | 8080.2 | 8080.2 | 8080.2 |
| 8038.7  | 2.5°  | 8109.9  | 8169.2  | 8270.1  | 8365.0 | 8439.2 | 8510.3 | 8581.5 | 8620.1 | 8632.0 | 8679.4 |
| 8083.2  | 5°    | 8204.8  | 8314.6  | 8510.3  | 8694.3 | 8809.9 | 8881.1 | 8931.6 | 8961.2 | 8967.2 | 8982.0 |
| 8204.8  | 7.5°  | 8379.8  | 8554.8  | 8827.7  | 9011.7 | 9097.7 | 9091.7 | 9071.0 | 8996.8 | 8967.2 | 8940.5 |
| 8382.8  | 10°   | 8626.0  | 8857.4  | 9192.6  | 9320.1 | 9266.8 | 9124.4 | 8940.5 | 8723.9 | 8623.1 | 8525.2 |
| 8626.0  | 12.5° | 8931.6  | 9225.2  | 9554.5  | 9548.6 | 9284.6 | 8919.7 | 8492.5 | 8160.3 | 7949.7 | 7798.4 |
| 8925.6  | 15°   | 9302.3  | 9640.5  | 9892.6  | 9690.9 | 9112.5 | 8457.0 | 7831.1 | 7398.0 | 7208.1 | 7042.0 |
| 9228.2  | 17.5° | 9685.0  | 10046.9 | 10162.6 | 9646.4 | 8679.4 | 7771.7 | 7062.8 | 6721.7 | 6534.8 | 6445.8 |
| 9554.5  | 20°   | 10058.8 | 10417.7 | 10322.8 | 9391.3 | 8020.9 | 6994.6 | 6362.7 | 6175.9 | 6137.3 | 6158.1 |
| 9871.9  | 22.5° | 10453.3 | 10773.6 | 10355.4 | 8898.9 | 7181.4 | 6199.6 | 5852.5 | 5858.5 | 5944.5 | 6006.8 |
| 10204.1 | 25°   | 10856.7 | 11073.2 | 10269.4 | 8187.0 | 6279.7 | 5615.2 | 5529.2 | 5624.1 | 5793.2 | 5914.8 |
| 10577.9 | 27.5° | 11245.3 | 11340.2 | 10082.5 | 7306.0 | 5505.5 | 5197.0 | 5211.8 | 5407.6 | 5662.7 | 5831.8 |
| 11031.7 | 30°   | 11684.3 | 11577.5 | 9723.6  | 6315.3 | 4968.6 | 4838.1 | 4962.6 | 5191.0 | 5446.1 | 5597.4 |
| 11604.2 | 32.5° | 12179.7 | 11782.2 | 9154.0  | 5398.7 | 4588.9 | 4550.3 | 4755.0 | 4903.3 | 5016.0 | 5060.5 |
| 12363.6 | 35°   | 12796.7 | 12069.9 | 8424.3  | 4755.0 | 4247.8 | 4339.7 | 4535.5 | 4461.3 | 4416.8 | 4393.1 |
| 13384.0 | 37.5° | 13597.6 | 12458.5 | 7570.0  | 4336.7 | 3971.9 | 4188.4 | 4268.5 | 4037.1 | 3862.1 | 3776.1 |
| 14620.9 | 40°   | 14561.6 | 13028.0 | 6748.4  | 4013.4 | 3796.9 | 4057.9 | 3918.5 | 3639.7 | 3417.2 | 3295.6 |
| 16012.1 | 42.5° | 15632.5 | 13624.3 | 6057.2  | 3770.2 | 3699.0 | 3951.1 | 3660.4 | 3328.2 | 2969.3 | 2930.7 |
| 17670.3 | 45°   | 16756.7 | 14238.3 | 5585.6  | 3583.3 | 3651.5 | 3859.2 | 3512.1 | 2975.2 | 2720.1 | 2877.3 |
| 19334.4 | 47.5° | 17880.9 | 14801.9 | 5300.8  | 3443.9 | 3627.8 | 3755.3 | 3381.6 | 2779.4 | 2598.5 | 2826.9 |
| 21117.2 | 50°   | 19132.7 | 15306.2 | 5173.2  | 3343.0 | 3601.1 | 3713.8 | 3185.8 | 2729.0 | 2470.9 | 2622.2 |
| 22962.2 | 52.5° | 20375.6 | 15697.7 | 5078.3  | 3242.2 | 3562.5 | 3681.2 | 3090.9 | 2669.7 | 2316.7 | 2325.6 |
| 24819.1 | 55°   | 21615.5 | 15952.8 | 4974.5  | 3108.7 | 3476.5 | 3610.0 | 3082.0 | 2604.4 | 2201.0 | 2159.5 |
| 26782.8 | 57.5° | 22938.5 | 16098.2 | 4847.0  | 2960.4 | 3328.2 | 3429.1 | 3073.1 | 2554.0 | 2165.4 | 2097.2 |
| 28791.0 | 60°   | 24285.2 | 16311.7 | 4680.8  | 2779.4 | 3129.5 | 3212.5 | 3052.3 | 2536.2 | 2144.6 | 2029.0 |
| 30683.5 | 62.5° | 25492.5 | 16385.9 | 4482.1  | 2607.4 | 2874.4 | 2998.9 | 3007.8 | 2521.4 | 2088.3 | 1889.5 |
| 32255.7 | 65°   | 26284.5 | 16065.5 | 4135.0  | 2411.6 | 2598.5 | 2779.4 | 2921.8 | 2470.9 | 1987.4 | 1788.7 |
| 33032.8 | 67.5° | 26251.8 | 15151.9 | 3592.2  | 2159.5 | 2331.5 | 2536.2 | 2797.2 | 2384.9 | 1865.8 | 1664.1 |
| 32445.5 | 70°   | 25029.7 | 13348.4 | 2904.0  | 1865.8 | 2037.9 | 2275.2 | 2637.0 | 2257.4 | 1720.5 | 1527.6 |
| 28850.3 | 72.5° | 21467.2 | 10447.3 | 2109.0  | 1521.7 | 1696.7 | 2005.2 | 2429.4 | 2103.1 | 1572.1 | 1406.0 |
| 21321.8 | 75°   | 15335.8 | 6611.9  | 1429.8  | 1168.7 | 1320.0 | 1699.7 | 2171.3 | 1922.2 | 1435.7 | 1412.0 |
| 10678.7 | 77.5° | 7834.0  | 3159.1  | 946.3   | 854.3  | 919.6  | 1340.8 | 1824.3 | 1717.5 | 1456.5 | 1165.8 |
| 3037.5  | 80°   | 2548.1  | 1165.8  | 596.2   | 581.4  | 611.1  | 892.9  | 1412.0 | 1409.0 | 1103.5 | 792.0  |
| 735.6   | 82.5° | 812.8   | 501.3   | 388.6   | 373.8  | 358.9  | 560.6  | 984.8  | 1115.3 | 744.5  | 501.3  |
| 264.0   | 85°   | 323.3   | 299.6   | 228.4   | 210.6  | 151.3  | 264.0  | 516.1  | 741.6  | 554.7  | 361.9  |
| 68.2    | 87.5° | 118.7   | 118.7   | 62.3    | 44.5   | 32.6   | 89.0   | 139.4  | 222.5  | 317.4  | 186.9  |
| 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°   |
|--------|
| 8080.2 |
| 8706.1 |
| 9005.7 |
| 8946.4 |
| 8495.5 |
| 7762.8 |
| 7024.2 |
| 6472.5 |
| 6149.2 |
| 6021.6 |
| 5947.5 |
| 5873.3 |
| 5633.0 |
| 5084.3 |
| 4416.8 |
| 3796.9 |
| 3304.5 |
| 2969.3 |
| 2960.4 |
| 2933.7 |
| 2734.9 |
| 2387.9 |
| 2189.1 |
| 2106.1 |
| 2037.9 |
| 1889.5 |
| 1788.7 |
| 1673.0 |
| 1545.4 |
| 1397.1 |
| 1331.9 |
| 1038.2 |
| 700.0  |
| 498.3  |
| 370.8  |
| 183.9  |
| 0.0    |