

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: P956755

Luminaire Tested: **GLAN-SB9B-760-U-T3R**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P956755  
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-SB9B-760-U-T3R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 5700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 55706 lumens  
Efficiency: N/A  
Efficacy: 169.1 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): 329.5  
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

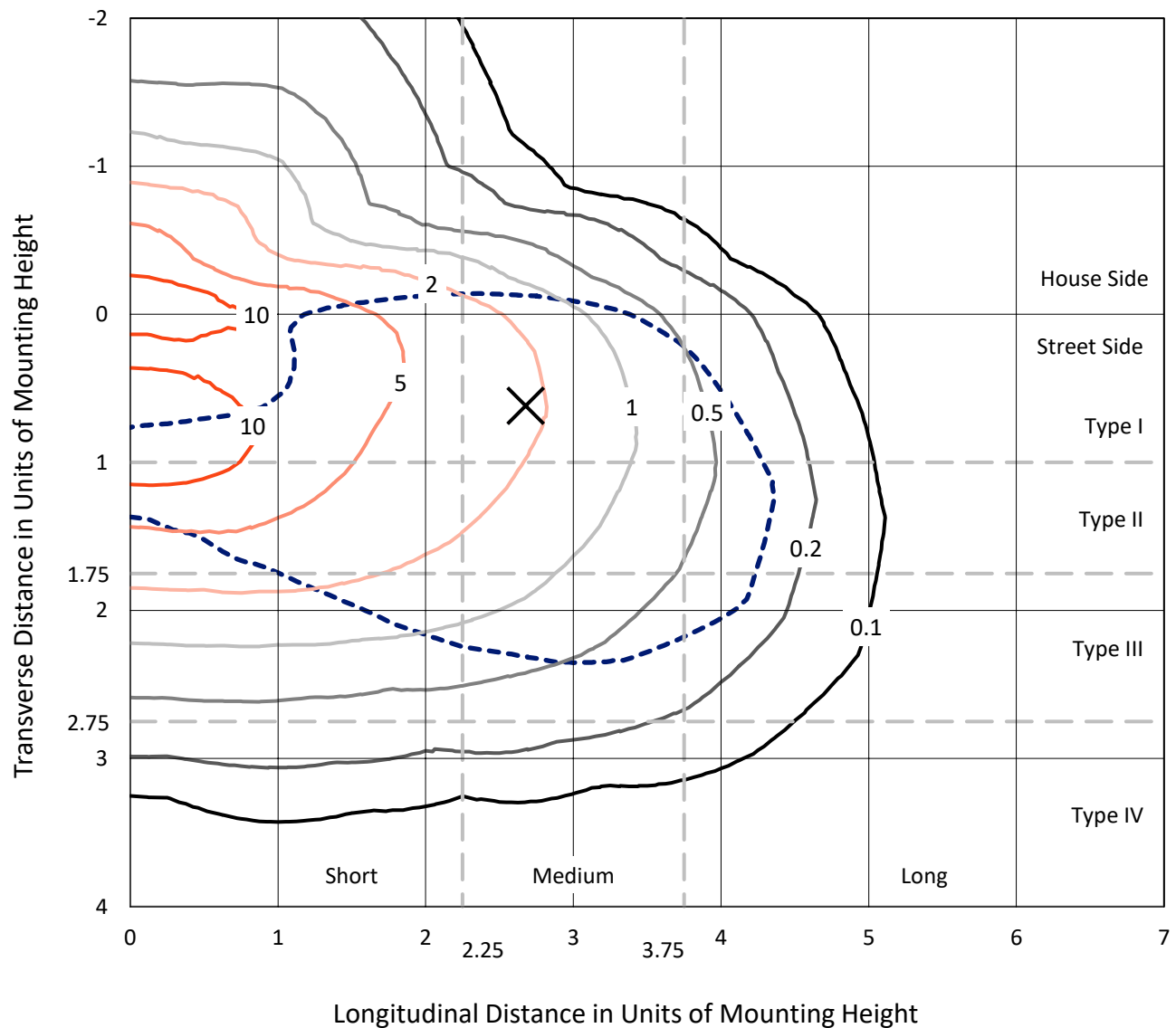


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## Iso-Footcandle Lines of Horizontal Illumination

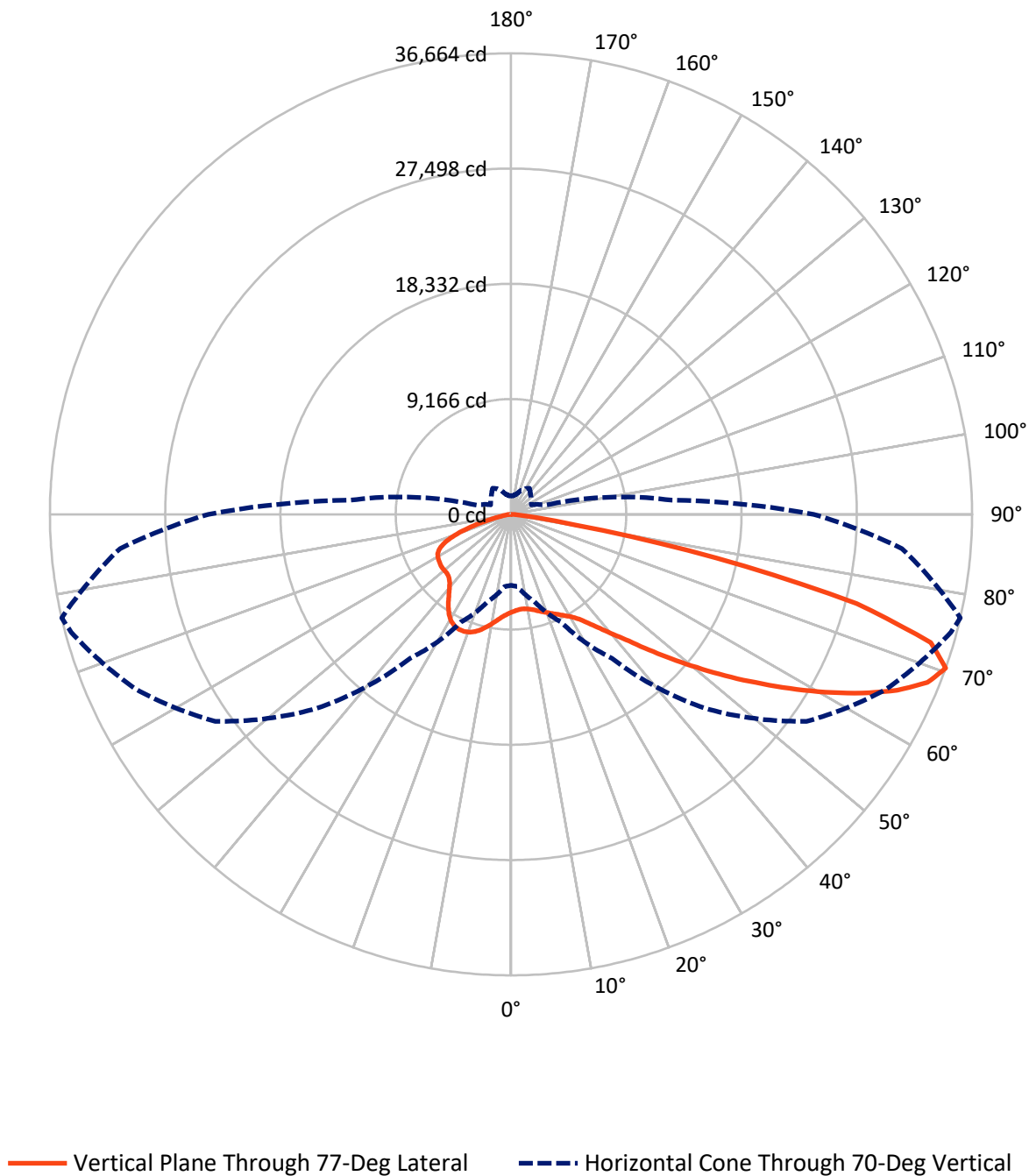
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.8 fc  
Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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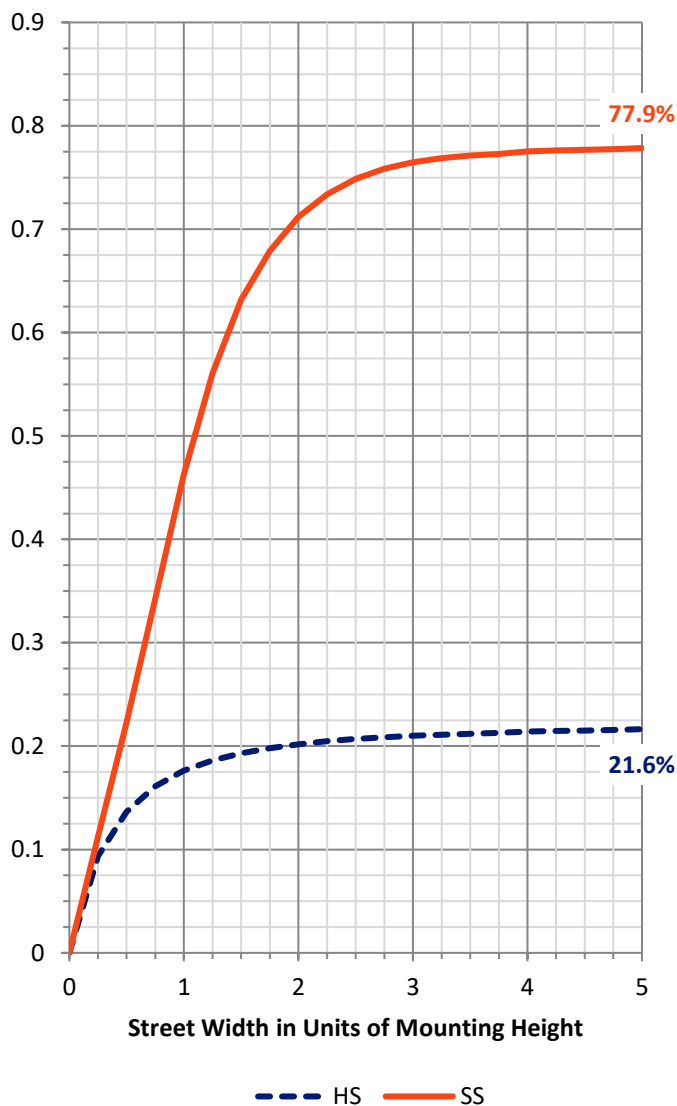
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 12198.8  | 0.0    | 12198.8 |
|                    | % Fixture | 21.9     | 0.0    | 21.9    |
| <b>Street Side</b> | Lumens    | 43507.3  | 0.0    | 43507.3 |
|                    | % Fixture | 78.1     | 0.0    | 78.1    |
| <b>Total</b>       | Lumens    | 55706.0  | 0.0    | 55706.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 741.2   | 1.3       |
| 10°-20°   | 2139.2  | 3.8       |
| 20°-30°   | 3658.2  | 6.6       |
| 30°-40°   | 5882.8  | 10.6      |
| 40°-50°   | 9184.7  | 16.5      |
| 50°-60°   | 12268.5 | 22.0      |
| 60°-70°   | 13076.3 | 23.5      |
| 70°-80°   | 8049.7  | 14.5      |
| 80°-90°   | 705.4   | 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°    | 55706.0 | 100.0     |
| 0°-180°   | 55706.0 | 100.0     |

**Coefficient of Utilization**



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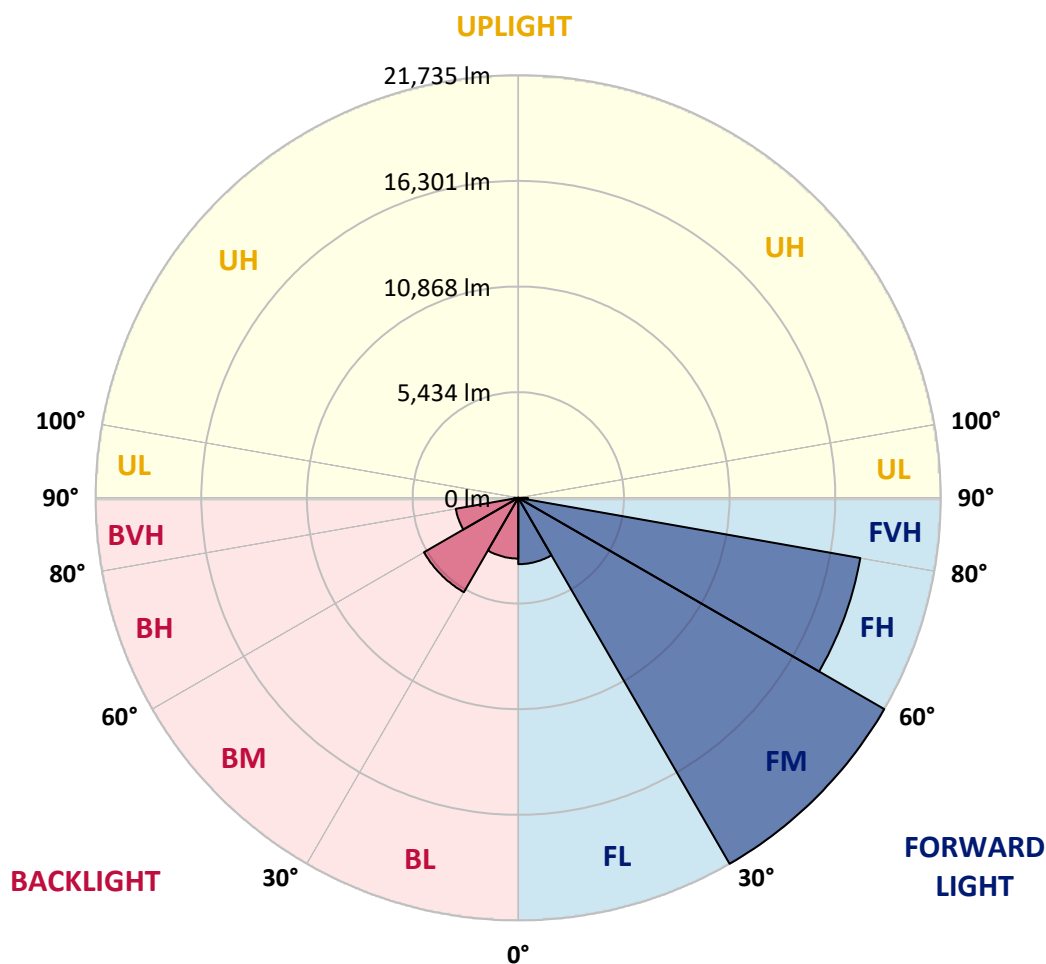
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3412.9  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 21735.3 | 39.0      |                         |      |         |
| FH   | (60°-80°)   | 17865.8 | 32.1      |                         |      | G5      |
| FVH  | (80°-90°)   | 493.2   | 0.9       |                         |      | G3/500  |
| BL   | (0°-30°)    | 3125.7  | 5.6       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 5600.7  | 10.1      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 3260.2  | 5.9       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 212.1   | 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°    | 7771.5  | 7771.5  | 7771.5  | 7771.5  | 7771.5  | 7771.5  | 7771.5  | 7771.5  | 7771.5  | 7771.5  |
| 2.5°  | 7163.8  | 7161.0  | 7198.0  | 7209.5  | 7277.9  | 7326.4  | 7417.7  | 7514.7  | 7640.3  | 7654.5  |
| 5°    | 6750.1  | 6750.1  | 6792.9  | 6838.6  | 6927.0  | 7024.0  | 7163.8  | 7332.1  | 7549.0  | 7583.2  |
| 7.5°  | 6399.2  | 6422.0  | 6459.1  | 6547.6  | 6650.3  | 6790.1  | 7004.0  | 7243.7  | 7529.0  | 7583.2  |
| 10°   | 6116.8  | 6142.4  | 6188.1  | 6259.4  | 6413.5  | 6607.5  | 6887.1  | 7195.2  | 7577.5  | 7663.1  |
| 12.5° | 6028.3  | 6054.0  | 6079.7  | 6133.9  | 6276.5  | 6504.8  | 6838.6  | 7218.0  | 7694.5  | 7780.1  |
| 15°   | 6233.7  | 6265.1  | 6245.2  | 6230.9  | 6305.1  | 6513.3  | 6861.4  | 7300.8  | 7840.0  | 7962.6  |
| 17.5° | 6707.3  | 6718.7  | 6673.1  | 6539.0  | 6527.6  | 6638.9  | 6969.8  | 7414.9  | 8022.6  | 8156.6  |
| 20°   | 7471.9  | 7452.0  | 7357.8  | 7092.5  | 6941.3  | 6918.5  | 7155.3  | 7586.1  | 8210.9  | 8353.5  |
| 22.5° | 8510.4  | 8487.6  | 8299.3  | 7879.9  | 7543.3  | 7320.7  | 7423.4  | 7808.6  | 8422.0  | 8581.7  |
| 25°   | 9805.7  | 9774.3  | 9497.5  | 8926.9  | 8404.9  | 7854.2  | 7788.6  | 8102.4  | 8681.6  | 8829.9  |
| 27.5° | 11317.7 | 11292.1 | 10992.5 | 10239.3 | 9486.1  | 8584.6  | 8242.2  | 8447.6  | 8952.6  | 9121.0  |
| 30°   | 12943.9 | 13018.1 | 12487.5 | 11677.2 | 10724.3 | 9537.5  | 8852.8  | 8872.7  | 9303.5  | 9454.7  |
| 32.5° | 14855.4 | 14983.8 | 14344.7 | 13317.7 | 12016.7 | 10573.1 | 9623.1  | 9466.2  | 9814.2  | 9939.8  |
| 35°   | 16749.8 | 16895.3 | 16364.6 | 15229.2 | 13731.4 | 11794.2 | 10427.6 | 10148.0 | 10493.2 | 10630.2 |
| 37.5° | 18387.4 | 18581.4 | 18307.5 | 17320.4 | 15565.8 | 13266.3 | 11477.5 | 10949.7 | 11329.2 | 11500.3 |
| 40°   | 19679.8 | 19976.5 | 19956.5 | 19340.3 | 17728.4 | 15052.3 | 12809.8 | 11939.7 | 12367.6 | 12553.1 |
| 42.5° | 20729.7 | 20986.5 | 21209.0 | 21177.6 | 19985.1 | 17080.7 | 14376.1 | 13226.4 | 13551.6 | 13765.6 |
| 45°   | 21454.3 | 21728.2 | 22207.5 | 22723.9 | 22156.2 | 19251.9 | 16170.6 | 14752.7 | 15049.4 | 15371.8 |
| 47.5° | 22102.0 | 22412.9 | 23034.9 | 23853.7 | 23999.2 | 21431.5 | 18136.3 | 16530.1 | 16801.2 | 17134.9 |
| 50°   | 22159.0 | 22427.2 | 23391.5 | 24552.7 | 25308.7 | 23525.6 | 20247.5 | 18524.3 | 18778.3 | 19134.9 |
| 52.5° | 20781.0 | 21203.3 | 22886.5 | 24532.7 | 25910.7 | 25277.3 | 22344.5 | 20598.5 | 20883.8 | 21311.7 |
| 55°   | 16130.7 | 16749.8 | 21405.8 | 23768.1 | 25696.7 | 26410.0 | 24338.7 | 22803.8 | 23169.0 | 23616.9 |
| 57.5° | 13894.0 | 14165.0 | 16992.3 | 22375.9 | 24721.0 | 26703.8 | 26022.0 | 25032.0 | 25619.7 | 26110.4 |
| 60°   | 12487.5 | 12712.8 | 14384.7 | 20210.5 | 23437.2 | 26238.8 | 27322.9 | 27108.9 | 28124.6 | 28709.5 |
| 62.5° | 10981.1 | 11195.1 | 12715.7 | 16875.3 | 21793.9 | 25465.6 | 28144.6 | 29026.1 | 30692.3 | 31331.3 |
| 65°   | 9486.1  | 9668.7  | 11126.6 | 14179.3 | 19705.5 | 24692.5 | 28569.7 | 30683.7 | 33068.8 | 33730.7 |
| 67.5° | 7820.0  | 7971.2  | 9349.2  | 11962.5 | 17166.3 | 23634.0 | 28780.8 | 31987.5 | 35137.2 | 35704.9 |
| 70°   | 5643.2  | 5760.2  | 7183.8  | 9460.5  | 13979.6 | 21813.8 | 28695.2 | 32911.9 | 36209.9 | 36663.5 |
| 72.5° | 2667.5  | 2773.1  | 4444.9  | 6142.4  | 9874.1  | 18270.4 | 26963.4 | 32178.7 | 35120.1 | 34894.7 |
| 75°   | 1423.6  | 1514.9  | 2553.4  | 3369.4  | 5215.2  | 12524.5 | 22064.9 | 27719.5 | 29491.2 | 28395.6 |
| 77.5° | 964.3   | 1035.6  | 1580.5  | 2022.8  | 2382.2  | 5945.6  | 14182.1 | 19191.9 | 18464.4 | 16655.6 |
| 80°   | 764.6   | 838.8   | 1295.2  | 1369.4  | 1152.6  | 2148.3  | 5860.0  | 8884.2  | 6382.1  | 5104.0  |
| 82.5° | 587.7   | 670.4   | 1089.8  | 992.8   | 627.7   | 881.6   | 1706.1  | 2810.2  | 1634.8  | 1243.9  |
| 85°   | 359.5   | 447.9   | 855.9   | 633.4   | 353.8   | 402.3   | 579.2   | 781.7   | 499.3   | 416.5   |
| 87.5° | 182.6   | 256.8   | 433.7   | 231.1   | 159.8   | 94.1    | 154.1   | 154.1   | 131.2   | 114.1   |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 7771.5  | 0°    | 7771.5  | 7771.5  | 7771.5 | 7771.5 | 7771.5 | 7771.5 | 7771.5 | 7771.5 | 7771.5 | 7771.5 |
| 7731.6  | 2.5°  | 7800.0  | 7857.1  | 7954.1 | 8045.4 | 8116.7 | 8185.2 | 8253.6 | 8290.7 | 8302.1 | 8347.8 |
| 7774.3  | 5°    | 7891.3  | 7996.9  | 8185.2 | 8362.1 | 8473.3 | 8541.8 | 8590.3 | 8618.8 | 8624.5 | 8638.8 |
| 7891.3  | 7.5°  | 8059.6  | 8228.0  | 8490.4 | 8667.3 | 8750.1 | 8744.4 | 8724.4 | 8653.1 | 8624.5 | 8598.9 |
| 8062.5  | 10°   | 8296.4  | 8519.0  | 8841.4 | 8964.0 | 8912.7 | 8775.7 | 8598.9 | 8390.6 | 8293.6 | 8199.4 |
| 8296.4  | 12.5° | 8590.3  | 8872.7  | 9189.4 | 9183.7 | 8929.8 | 8578.9 | 8168.1 | 7848.5 | 7646.0 | 7500.5 |
| 8584.6  | 15°   | 8946.9  | 9272.2  | 9514.7 | 9320.7 | 8764.3 | 8133.8 | 7531.8 | 7115.3 | 6932.7 | 6773.0 |
| 8875.6  | 17.5° | 9315.0  | 9663.0  | 9774.3 | 9277.9 | 8347.8 | 7474.8 | 6792.9 | 6464.8 | 6285.1 | 6199.5 |
| 9189.4  | 20°   | 9674.4  | 10019.6 | 9928.3 | 9032.5 | 7714.4 | 6727.3 | 6119.6 | 5939.9 | 5902.8 | 5922.8 |
| 9494.7  | 22.5° | 10053.9 | 10362.0 | 9959.7 | 8558.9 | 6907.0 | 5962.7 | 5628.9 | 5634.6 | 5717.4 | 5777.3 |
| 9814.2  | 25°   | 10441.9 | 10650.1 | 9877.0 | 7874.2 | 6039.7 | 5400.7 | 5317.9 | 5409.2 | 5571.9 | 5688.8 |
| 10173.7 | 27.5° | 10815.6 | 10906.9 | 9697.3 | 7026.9 | 5295.1 | 4998.4 | 5012.7 | 5201.0 | 5446.3 | 5608.9 |
| 10610.2 | 30°   | 11237.9 | 11135.1 | 9352.0 | 6074.0 | 4778.7 | 4653.2 | 4773.0 | 4992.7 | 5238.1 | 5383.6 |
| 11160.8 | 32.5° | 11714.3 | 11332.0 | 8804.3 | 5192.4 | 4413.5 | 4376.5 | 4573.3 | 4716.0 | 4824.4 | 4867.2 |
| 11891.2 | 35°   | 12307.7 | 11608.7 | 8102.4 | 4573.3 | 4085.5 | 4173.9 | 4362.2 | 4290.9 | 4248.1 | 4225.3 |
| 12872.6 | 37.5° | 13078.0 | 11982.5 | 7280.8 | 4171.0 | 3820.1 | 4028.4 | 4105.4 | 3882.9 | 3714.6 | 3631.8 |
| 14062.3 | 40°   | 14005.2 | 12530.3 | 6490.5 | 3860.1 | 3651.8 | 3902.9 | 3768.8 | 3500.6 | 3286.6 | 3169.7 |
| 15400.3 | 42.5° | 15035.2 | 13103.7 | 5825.8 | 3626.1 | 3557.7 | 3800.2 | 3520.6 | 3201.0 | 2855.8 | 2818.7 |
| 16995.2 | 45°   | 16116.4 | 13694.3 | 5372.1 | 3446.4 | 3512.0 | 3711.7 | 3377.9 | 2861.5 | 2616.2 | 2767.4 |
| 18595.7 | 47.5° | 17197.7 | 14236.3 | 5098.3 | 3312.3 | 3489.2 | 3611.9 | 3252.4 | 2673.2 | 2499.2 | 2718.9 |
| 20310.3 | 50°   | 18401.7 | 14721.3 | 4975.6 | 3215.3 | 3463.5 | 3571.9 | 3064.1 | 2624.7 | 2376.5 | 2522.0 |
| 22084.9 | 52.5° | 19597.1 | 15097.9 | 4884.3 | 3118.3 | 3426.4 | 3540.5 | 2972.8 | 2567.7 | 2228.2 | 2236.7 |
| 23870.8 | 55°   | 20789.6 | 15343.3 | 4784.4 | 2989.9 | 3343.7 | 3472.1 | 2964.2 | 2504.9 | 2116.9 | 2077.0 |
| 25759.5 | 57.5° | 22062.0 | 15483.1 | 4661.8 | 2847.3 | 3201.0 | 3298.0 | 2955.7 | 2456.4 | 2082.7 | 2017.1 |
| 27690.9 | 60°   | 23357.3 | 15688.5 | 4502.0 | 2673.2 | 3009.9 | 3089.8 | 2935.7 | 2439.3 | 2062.7 | 1951.4 |
| 29511.1 | 62.5° | 24518.4 | 15759.8 | 4310.8 | 2507.8 | 2764.5 | 2884.4 | 2892.9 | 2425.0 | 2008.5 | 1817.3 |
| 31023.2 | 65°   | 25280.2 | 15451.7 | 3977.0 | 2319.5 | 2499.2 | 2673.2 | 2810.2 | 2376.5 | 1911.5 | 1720.3 |
| 31770.7 | 67.5° | 25248.8 | 14573.0 | 3454.9 | 2077.0 | 2242.4 | 2439.3 | 2690.4 | 2293.8 | 1794.5 | 1600.5 |
| 31205.8 | 70°   | 24073.4 | 12838.4 | 2793.1 | 1794.5 | 1960.0 | 2188.2 | 2536.3 | 2171.1 | 1654.7 | 1469.3 |
| 27748.0 | 72.5° | 20647.0 | 10048.2 | 2028.5 | 1463.6 | 1631.9 | 1928.6 | 2336.6 | 2022.8 | 1512.1 | 1352.3 |
| 20507.2 | 75°   | 14749.9 | 6359.3  | 1375.1 | 1124.1 | 1269.6 | 1634.8 | 2088.4 | 1848.7 | 1380.8 | 1358.0 |
| 10270.7 | 77.5° | 7534.7  | 3038.4  | 910.1  | 821.7  | 884.4  | 1289.5 | 1754.6 | 1651.9 | 1400.8 | 1121.2 |
| 2921.4  | 80°   | 2450.7  | 1121.2  | 573.4  | 559.2  | 587.7  | 858.7  | 1358.0 | 1355.2 | 1061.3 | 761.7  |
| 707.5   | 82.5° | 781.7   | 482.2   | 373.7  | 359.5  | 345.2  | 539.2  | 947.2  | 1072.7 | 716.1  | 482.2  |
| 253.9   | 85°   | 311.0   | 288.2   | 219.7  | 202.6  | 145.5  | 253.9  | 496.4  | 713.2  | 533.5  | 348.1  |
| 65.6    | 87.5° | 114.1   | 114.1   | 59.9   | 42.8   | 31.4   | 85.6   | 134.1  | 214.0  | 305.3  | 179.7  |
| 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°   |
|--------|
| 7771.5 |
| 8373.5 |
| 8661.6 |
| 8604.6 |
| 8170.9 |
| 7466.2 |
| 6755.8 |
| 6225.2 |
| 5914.2 |
| 5791.5 |
| 5720.2 |
| 5648.9 |
| 5417.8 |
| 4890.0 |
| 4248.1 |
| 3651.8 |
| 3178.2 |
| 2855.8 |
| 2847.3 |
| 2821.6 |
| 2630.4 |
| 2296.6 |
| 2105.5 |
| 2025.6 |
| 1960.0 |
| 1817.3 |
| 1720.3 |
| 1609.1 |
| 1486.4 |
| 1343.7 |
| 1281.0 |
| 998.5  |
| 673.3  |
| 479.3  |
| 356.6  |
| 176.9  |
| 0.0    |