

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: P941329

Luminaire Tested: **GLAN-SB4D-760-U-T4FT**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P941329  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4D-760-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 5700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 42646 lumens  
Efficiency: N/A  
Efficacy: 145.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5

Input Watts (W): 293.6  
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

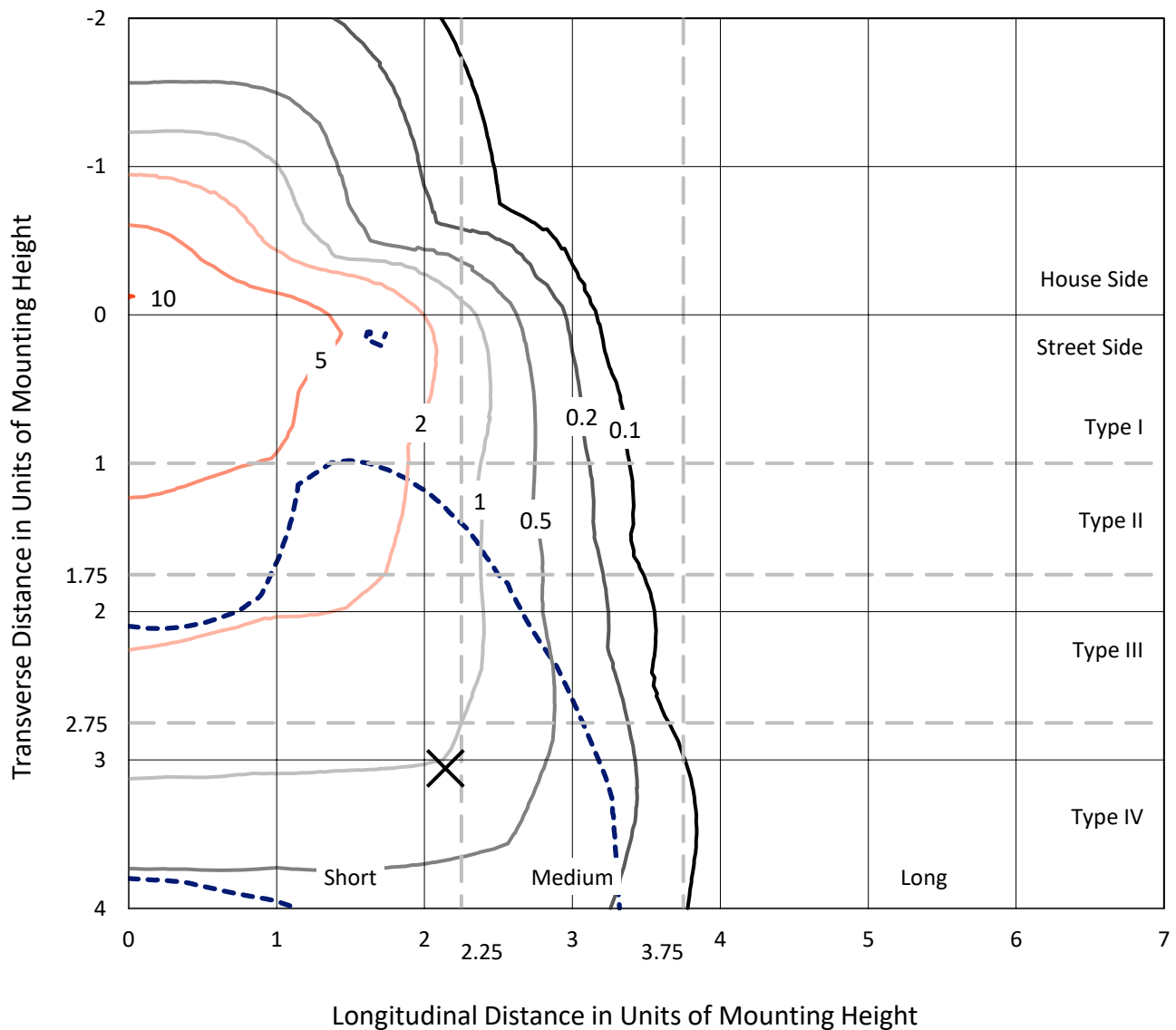


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## Iso-Footcandle Lines of Horizontal Illumination

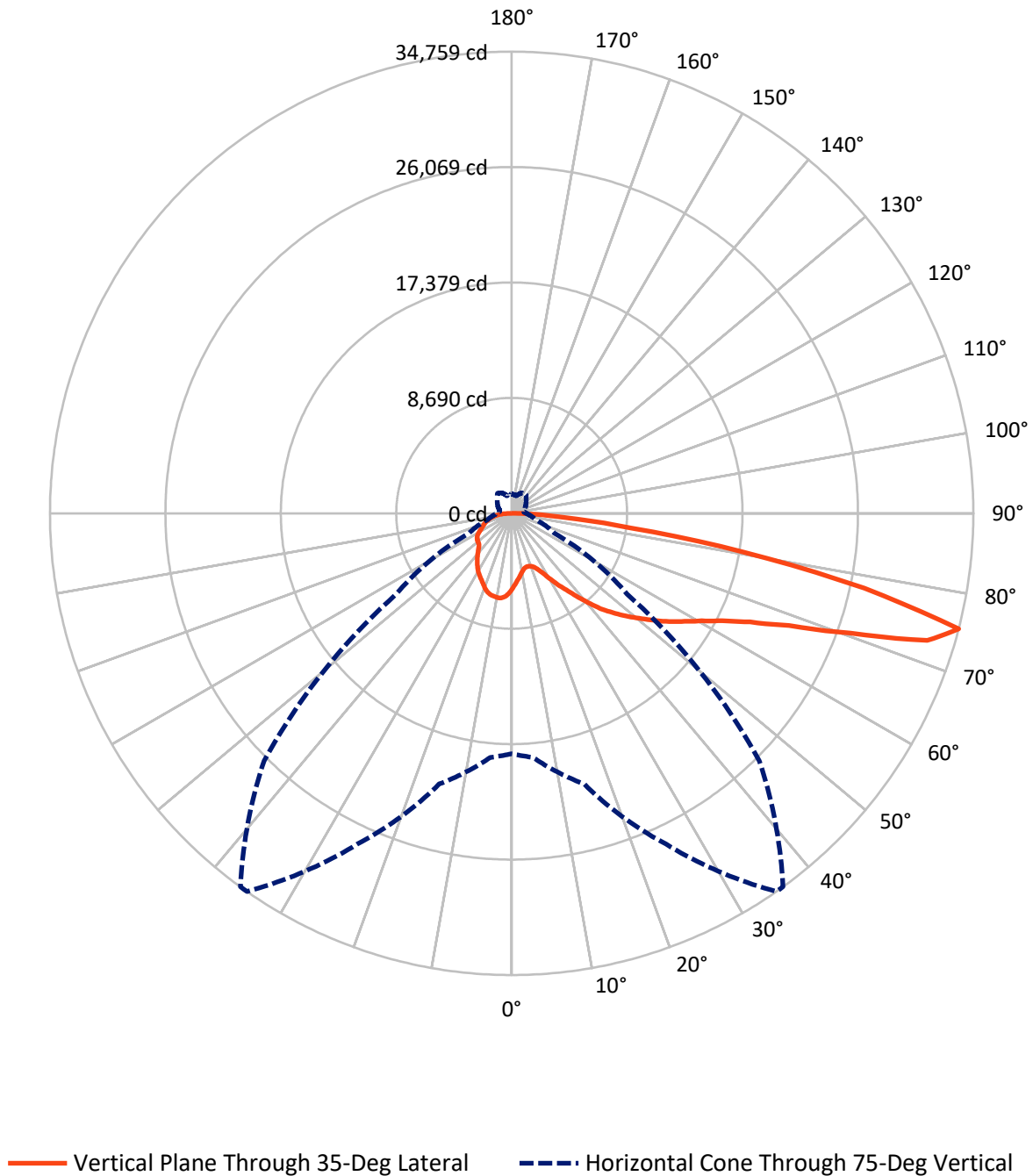
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 fc  
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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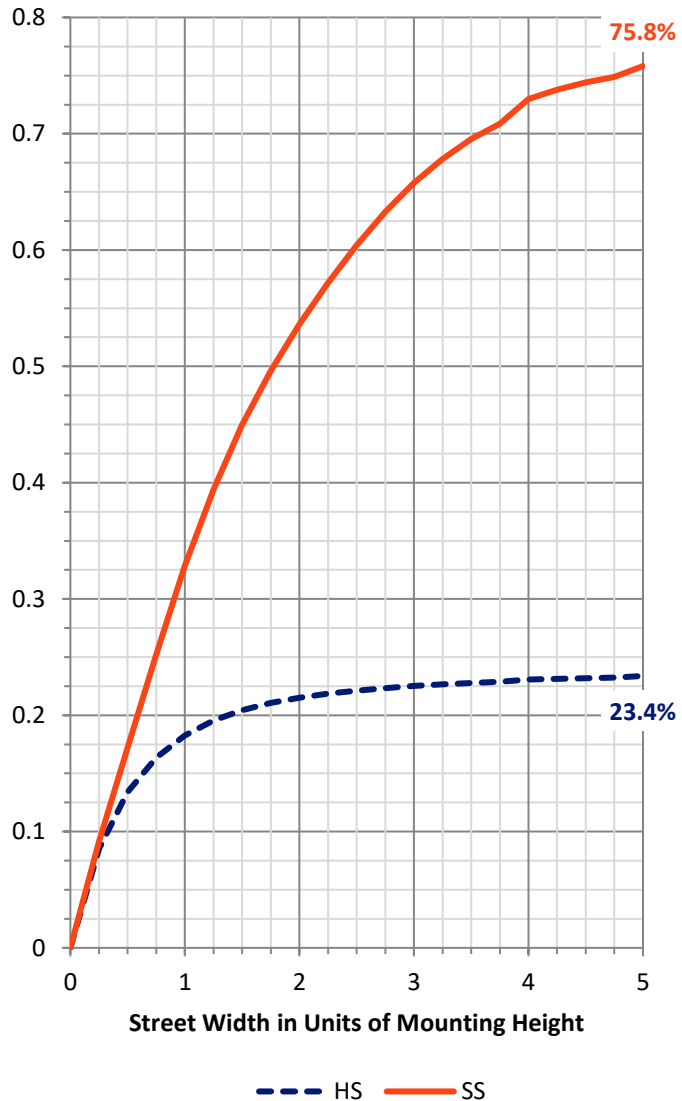
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 10148.7  | 0.0    | 10148.7 |
|                    | % Fixture | 23.8     | 0.0    | 23.8    |
| <b>Street Side</b> | Lumens    | 32497.3  | 0.0    | 32497.3 |
|                    | % Fixture | 76.2     | 0.0    | 76.2    |
| <b>Total</b>       | Lumens    | 42646.0  | 0.0    | 42646.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 538.1   | 1.3       |
| 10°-20°   | 1552.0  | 3.6       |
| 20°-30°   | 2606.2  | 6.1       |
| 30°-40°   | 4050.4  | 9.5       |
| 40°-50°   | 6011.8  | 14.1      |
| 50°-60°   | 8299.7  | 19.5      |
| 60°-70°   | 10069.4 | 23.6      |
| 70°-80°   | 8321.6  | 19.5      |
| 80°-90°   | 1196.9  | 2.8       |
| 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°    | 42646.0 | 100.0     |
| 0°-180°   | 42646.0 | 100.0     |

**Coefficient of Utilization**



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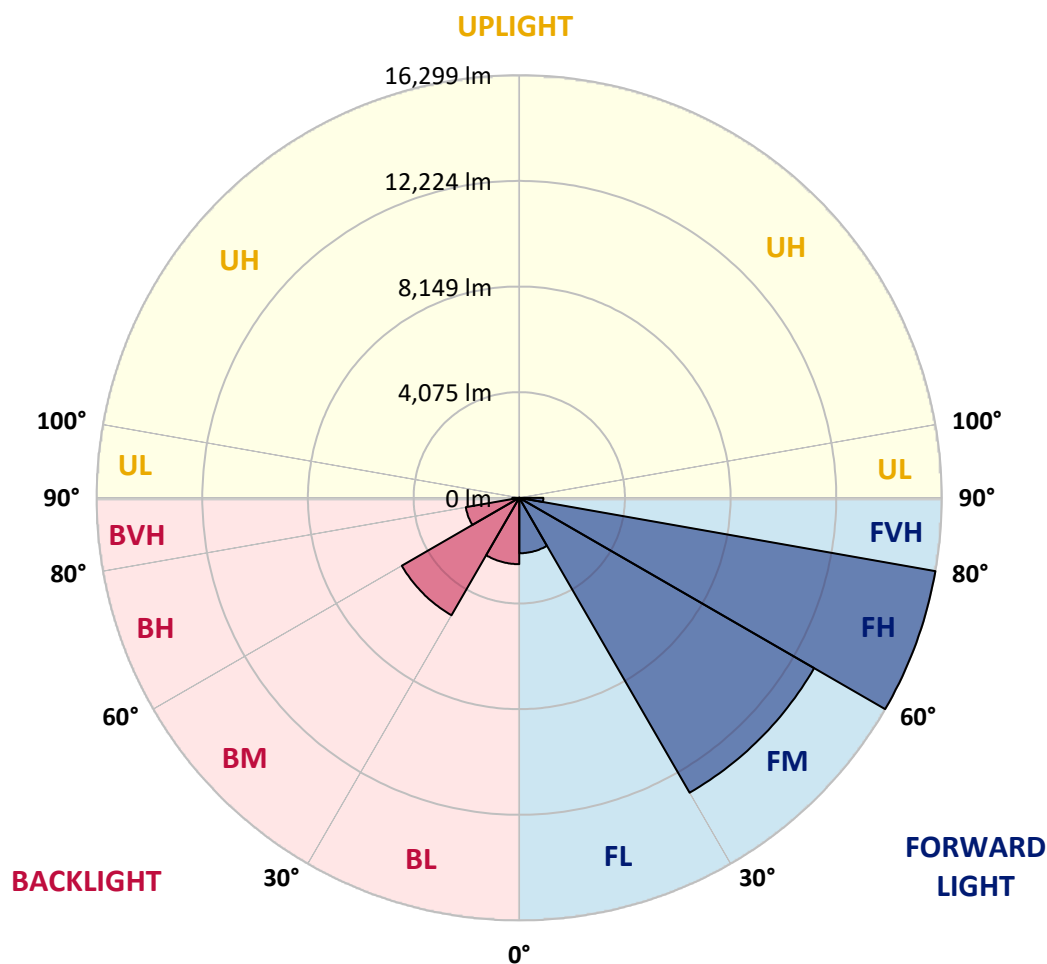
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2138.6  | 5.0       |                         |      |         |
| FM   | (30°-60°)   | 13132.7 | 30.8      |                         |      |         |
| FH   | (60°-80°)   | 16298.7 | 38.2      |                         |      | G5      |
| FVH  | (80°-90°)   | 927.4   | 2.2       |                         |      | G5      |
| BL   | (0°-30°)    | 2557.6  | 6.0       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 5229.2  | 12.3      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 2092.3  | 4.9       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 269.5   | 0.6       |                         |      | 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 IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 36°     | 45°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5682.9  | 5682.9  | 5682.9  | 5682.9  | 5682.9  | 5682.9  | 5682.9  | 5682.9  | 5682.9  | 5682.9  |
| 2.5°  | 5240.2  | 5272.5  | 5286.3  | 5279.4  | 5314.0  | 5309.4  | 5357.8  | 5417.7  | 5500.7  | 5581.4  |
| 5°    | 4836.8  | 4871.4  | 4901.3  | 4929.0  | 4995.9  | 5016.6  | 5092.7  | 5208.0  | 5360.1  | 5514.6  |
| 7.5°  | 4461.0  | 4491.0  | 4537.1  | 4587.8  | 4700.8  | 4721.5  | 4848.3  | 5028.1  | 5240.2  | 5466.2  |
| 10°   | 4154.4  | 4184.3  | 4232.8  | 4290.4  | 4431.0  | 4456.4  | 4617.8  | 4857.5  | 5134.2  | 5420.0  |
| 12.5° | 4023.0  | 4032.2  | 4059.9  | 4117.5  | 4239.7  | 4255.8  | 4433.3  | 4707.7  | 5030.4  | 5385.5  |
| 15°   | 4016.0  | 4034.5  | 4036.8  | 4066.8  | 4168.2  | 4175.1  | 4338.8  | 4610.8  | 4965.9  | 5378.6  |
| 17.5° | 4085.2  | 4099.0  | 4078.3  | 4096.7  | 4182.0  | 4193.6  | 4322.7  | 4564.7  | 4945.1  | 5408.5  |
| 20°   | 4269.6  | 4281.2  | 4218.9  | 4193.6  | 4255.8  | 4265.0  | 4391.8  | 4594.7  | 4965.9  | 5470.8  |
| 22.5° | 4661.6  | 4668.5  | 4516.3  | 4412.6  | 4417.2  | 4421.8  | 4532.5  | 4716.9  | 5046.6  | 5583.7  |
| 25°   | 5272.5  | 5267.9  | 5025.8  | 4825.3  | 4710.0  | 4684.6  | 4758.4  | 4915.2  | 5182.6  | 5733.6  |
| 27.5° | 5987.2  | 5952.6  | 5710.5  | 5410.8  | 5159.5  | 5122.7  | 5106.5  | 5173.4  | 5376.2  | 5931.9  |
| 30°   | 6794.1  | 6761.8  | 6501.3  | 6109.4  | 5761.3  | 5701.3  | 5549.2  | 5514.6  | 5664.4  | 6201.6  |
| 32.5° | 7679.4  | 7658.6  | 7347.4  | 6872.5  | 6406.8  | 6337.6  | 6081.7  | 5989.5  | 6107.1  | 6609.6  |
| 35°   | 8421.7  | 8403.3  | 8145.1  | 7656.3  | 7086.9  | 7001.6  | 6741.1  | 6637.3  | 6697.3  | 7133.0  |
| 37.5° | 9092.6  | 9083.4  | 8862.0  | 8477.0  | 7889.2  | 7785.4  | 7492.6  | 7458.0  | 7446.5  | 7822.3  |
| 40°   | 9715.1  | 9692.0  | 9461.5  | 9258.6  | 8822.9  | 8728.3  | 8470.1  | 8440.2  | 8352.5  | 8670.7  |
| 42.5° | 10404.4 | 10344.4 | 10010.1 | 9915.6  | 9798.0  | 9719.7  | 9565.2  | 9569.8  | 9376.2  | 9627.4  |
| 45°   | 10966.9 | 10932.3 | 10588.8 | 10533.5 | 10660.3 | 10628.0 | 10761.7 | 10796.3 | 10420.5 | 10630.3 |
| 47.5° | 11570.9 | 11538.6 | 11248.2 | 11209.0 | 11552.5 | 11561.7 | 12034.3 | 12045.8 | 11439.5 | 11672.4 |
| 50°   | 12315.6 | 12269.5 | 11981.3 | 12029.7 | 12414.7 | 12449.3 | 13313.8 | 13235.4 | 12377.8 | 12730.5 |
| 52.5° | 12806.6 | 12834.3 | 12772.0 | 12850.4 | 13376.1 | 13408.3 | 14572.6 | 14372.0 | 13306.9 | 13774.9 |
| 55°   | 13168.6 | 13223.9 | 13417.6 | 13597.4 | 14390.5 | 14422.7 | 15759.9 | 15453.3 | 14076.9 | 14743.2 |
| 57.5° | 13634.3 | 13555.9 | 13917.8 | 14268.3 | 15354.1 | 15439.4 | 16914.9 | 16495.3 | 14759.3 | 15577.7 |
| 60°   | 14302.8 | 14247.5 | 14528.8 | 15047.5 | 16433.1 | 16569.1 | 18136.8 | 17433.6 | 15259.6 | 16239.4 |
| 62.5° | 15658.4 | 15520.1 | 15563.9 | 16022.7 | 17793.3 | 17973.1 | 19515.4 | 18252.0 | 15508.6 | 16497.6 |
| 65°   | 17684.9 | 17447.4 | 17226.1 | 17544.3 | 19709.1 | 19886.6 | 21071.6 | 18895.2 | 15416.4 | 15997.3 |
| 67.5° | 20237.0 | 20001.9 | 19729.8 | 20029.5 | 22530.9 | 22671.5 | 22992.0 | 19257.2 | 14690.2 | 14070.0 |
| 70°   | 22341.9 | 22254.2 | 22579.3 | 23812.7 | 27038.0 | 27042.6 | 25454.2 | 18957.5 | 12700.6 | 9975.6  |
| 72.5° | 22062.9 | 22009.9 | 23722.8 | 27536.0 | 32718.6 | 32596.4 | 27785.0 | 16689.0 | 8555.4  | 4500.2  |
| 75°   | 18099.9 | 18443.4 | 21096.9 | 27469.1 | 34758.9 | 34742.7 | 26357.9 | 10609.6 | 3538.8  | 1865.1  |
| 77.5° | 9705.8  | 10249.9 | 13696.5 | 20280.8 | 27134.8 | 27542.9 | 18531.0 | 3711.7  | 1519.3  | 1194.2  |
| 80°   | 3165.3  | 3640.3  | 5459.2  | 10326.0 | 17631.9 | 17555.8 | 7942.2  | 1457.0  | 1039.7  | 846.1   |
| 82.5° | 1344.1  | 1399.4  | 2439.1  | 4876.0  | 9048.8  | 8908.2  | 2529.0  | 836.9   | 730.8   | 578.7   |
| 85°   | 525.6   | 587.9   | 1076.6  | 2254.7  | 3919.2  | 3833.9  | 912.9   | 415.0   | 468.0   | 378.1   |
| 87.5° | 172.9   | 209.8   | 385.0   | 772.3   | 1219.6  | 1175.8  | 223.6   | 142.9   | 202.9   | 172.9   |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5682.9  | 0°    | 5682.9  | 5682.9  | 5682.9 | 5682.9 | 5682.9 | 5682.9 | 5682.9 | 5682.9 | 5682.9 | 5682.9 |
| 5699.0  | 2.5°  | 5731.3  | 5768.2  | 5812.0 | 5876.5 | 5931.9 | 5978.0 | 6026.4 | 6056.3 | 6067.9 | 6102.5 |
| 5708.2  | 5°    | 5772.8  | 5853.5  | 5961.8 | 6067.9 | 6171.6 | 6233.9 | 6289.2 | 6316.9 | 6342.2 | 6360.7 |
| 5733.6  | 7.5°  | 5841.9  | 5945.7  | 6116.3 | 6254.6 | 6342.2 | 6392.9 | 6429.8 | 6420.6 | 6429.8 | 6434.4 |
| 5761.3  | 10°   | 5901.9  | 6047.1  | 6250.0 | 6381.4 | 6448.3 | 6450.6 | 6441.4 | 6409.1 | 6392.9 | 6395.2 |
| 5802.7  | 12.5° | 5973.4  | 6134.7  | 6353.7 | 6464.4 | 6482.8 | 6432.1 | 6392.9 | 6337.6 | 6316.9 | 6307.6 |
| 5865.0  | 15°   | 6070.2  | 6254.6  | 6466.7 | 6508.2 | 6462.1 | 6397.5 | 6330.7 | 6240.8 | 6194.7 | 6157.8 |
| 5971.0  | 17.5° | 6187.8  | 6390.6  | 6554.3 | 6524.3 | 6425.2 | 6319.2 | 6210.8 | 6074.8 | 5980.3 | 5941.1 |
| 6116.3  | 20°   | 6351.4  | 6533.6  | 6621.2 | 6489.8 | 6339.9 | 6178.5 | 5994.1 | 5828.1 | 5740.5 | 5701.3 |
| 6300.7  | 22.5° | 6549.7  | 6724.9  | 6685.7 | 6429.8 | 6217.7 | 5959.5 | 5729.0 | 5606.8 | 5563.0 | 5535.3 |
| 6538.2  | 25°   | 6787.2  | 6937.0  | 6731.8 | 6342.2 | 6017.2 | 5669.0 | 5491.5 | 5452.3 | 5431.6 | 5410.8 |
| 6828.7  | 27.5° | 7096.1  | 7176.8  | 6766.4 | 6213.1 | 5703.6 | 5360.1 | 5295.6 | 5302.5 | 5295.6 | 5261.0 |
| 7232.1  | 30°   | 7504.2  | 7488.0  | 6798.7 | 6003.3 | 5344.0 | 5081.2 | 5085.8 | 5115.7 | 5120.3 | 5097.3 |
| 7794.6  | 32.5° | 8041.3  | 7877.6  | 6814.8 | 5731.3 | 5000.5 | 4836.8 | 4841.4 | 4873.7 | 4896.7 | 4857.5 |
| 8530.1  | 35°   | 8691.4  | 8331.8  | 6789.5 | 5390.1 | 4735.3 | 4603.9 | 4569.3 | 4578.6 | 4585.5 | 4548.6 |
| 9422.3  | 37.5° | 9449.9  | 8841.3  | 6676.5 | 5012.0 | 4516.3 | 4375.7 | 4301.9 | 4239.7 | 4202.8 | 4168.2 |
| 10432.0 | 40°   | 10282.2 | 9396.9  | 6469.0 | 4643.1 | 4271.9 | 4133.6 | 4023.0 | 3905.4 | 3780.9 | 3734.8 |
| 11501.8 | 42.5° | 11153.6 | 9968.6  | 6217.7 | 4290.4 | 3990.7 | 3877.7 | 3760.1 | 3589.5 | 3402.8 | 3308.3 |
| 12613.0 | 45°   | 12057.4 | 10554.2 | 5971.0 | 3942.3 | 3702.5 | 3654.1 | 3518.1 | 3312.9 | 3110.0 | 2990.1 |
| 13726.5 | 47.5° | 12942.6 | 11107.5 | 5609.1 | 3591.8 | 3432.8 | 3485.8 | 3379.8 | 3190.7 | 2964.8 | 2775.7 |
| 14830.8 | 50°   | 13788.7 | 11626.2 | 5016.6 | 3236.8 | 3213.8 | 3435.1 | 3333.6 | 3061.6 | 2803.4 | 2561.3 |
| 15914.3 | 52.5° | 14627.9 | 12045.8 | 4258.1 | 2914.1 | 3096.2 | 3421.2 | 3273.7 | 2974.0 | 2658.2 | 2404.6 |
| 16933.3 | 55°   | 15340.3 | 12262.5 | 3527.3 | 2637.4 | 2925.6 | 3303.7 | 3202.2 | 2870.3 | 2453.0 | 2183.2 |
| 17631.9 | 57.5° | 15746.0 | 12087.3 | 2918.7 | 2365.4 | 2690.4 | 3110.0 | 3080.0 | 2648.9 | 2208.6 | 2001.1 |
| 17767.9 | 60°   | 15570.8 | 11377.3 | 2420.7 | 2127.9 | 2466.8 | 2900.2 | 2867.9 | 2429.9 | 2021.9 | 1825.9 |
| 17039.4 | 62.5° | 14604.9 | 10024.0 | 2026.5 | 1920.4 | 2263.9 | 2685.8 | 2655.8 | 2261.6 | 1878.9 | 1689.9 |
| 15105.1 | 65°   | 12659.1 | 8154.3  | 1719.8 | 1747.5 | 2058.7 | 2427.6 | 2471.4 | 2121.0 | 1766.0 | 1581.5 |
| 11686.2 | 67.5° | 9655.1  | 5906.5  | 1480.1 | 1597.7 | 1858.2 | 2174.0 | 2300.8 | 2019.6 | 1671.4 | 1496.2 |
| 6761.8  | 70°   | 5503.0  | 3354.4  | 1277.2 | 1452.4 | 1680.7 | 1938.9 | 2169.4 | 1938.9 | 1570.0 | 1424.8 |
| 2533.7  | 72.5° | 2086.4  | 1540.0  | 1104.3 | 1307.2 | 1510.1 | 1740.6 | 2024.2 | 1812.1 | 1452.4 | 1344.1 |
| 1309.5  | 75°   | 1113.5  | 938.3   | 929.1  | 1136.6 | 1314.1 | 1546.9 | 1842.0 | 1687.6 | 1364.8 | 1420.1 |
| 906.0   | 77.5° | 758.5   | 664.0   | 776.9  | 972.9  | 1099.7 | 1332.5 | 1648.4 | 1498.5 | 1182.7 | 1178.1 |
| 627.1   | 80°   | 525.6   | 470.3   | 631.7  | 783.8  | 850.7  | 1120.4 | 1438.6 | 1286.4 | 963.7  | 899.1  |
| 387.3   | 82.5° | 315.8   | 306.6   | 472.6  | 585.6  | 601.7  | 864.5  | 1191.9 | 1078.9 | 788.5  | 687.0  |
| 230.5   | 85°   | 172.9   | 182.1   | 302.0  | 343.5  | 350.4  | 604.0  | 933.7  | 834.6  | 606.3  | 509.5  |
| 83.0    | 87.5° | 48.4    | 62.2    | 110.7  | 136.0  | 168.3  | 313.5  | 555.6  | 495.7  | 304.3  | 212.1  |
| 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°   |
|--------|
| 5682.9 |
| 6100.1 |
| 6365.3 |
| 6441.4 |
| 6399.9 |
| 6303.0 |
| 6169.3 |
| 5943.4 |
| 5696.7 |
| 5539.9 |
| 5410.8 |
| 5267.9 |
| 5108.8 |
| 4876.0 |
| 4574.0 |
| 4191.3 |
| 3755.5 |
| 3319.8 |
| 2980.9 |
| 2755.0 |
| 2540.6 |
| 2376.9 |
| 2160.2 |
| 1973.4 |
| 1798.2 |
| 1659.9 |
| 1551.5 |
| 1468.6 |
| 1406.3 |
| 1325.6 |
| 1466.2 |
| 1085.9 |
| 859.9  |
| 691.6  |
| 514.1  |
| 212.1  |
| 0.0    |