

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: P944527

Luminaire Tested: **GLAN-SB9C-735-U-T3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P944527  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9C-735-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 68260 lumens  
Efficiency: N/A  
Efficacy: 151.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B5 - U0 - G5

Input Watts (W): 449.8  
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



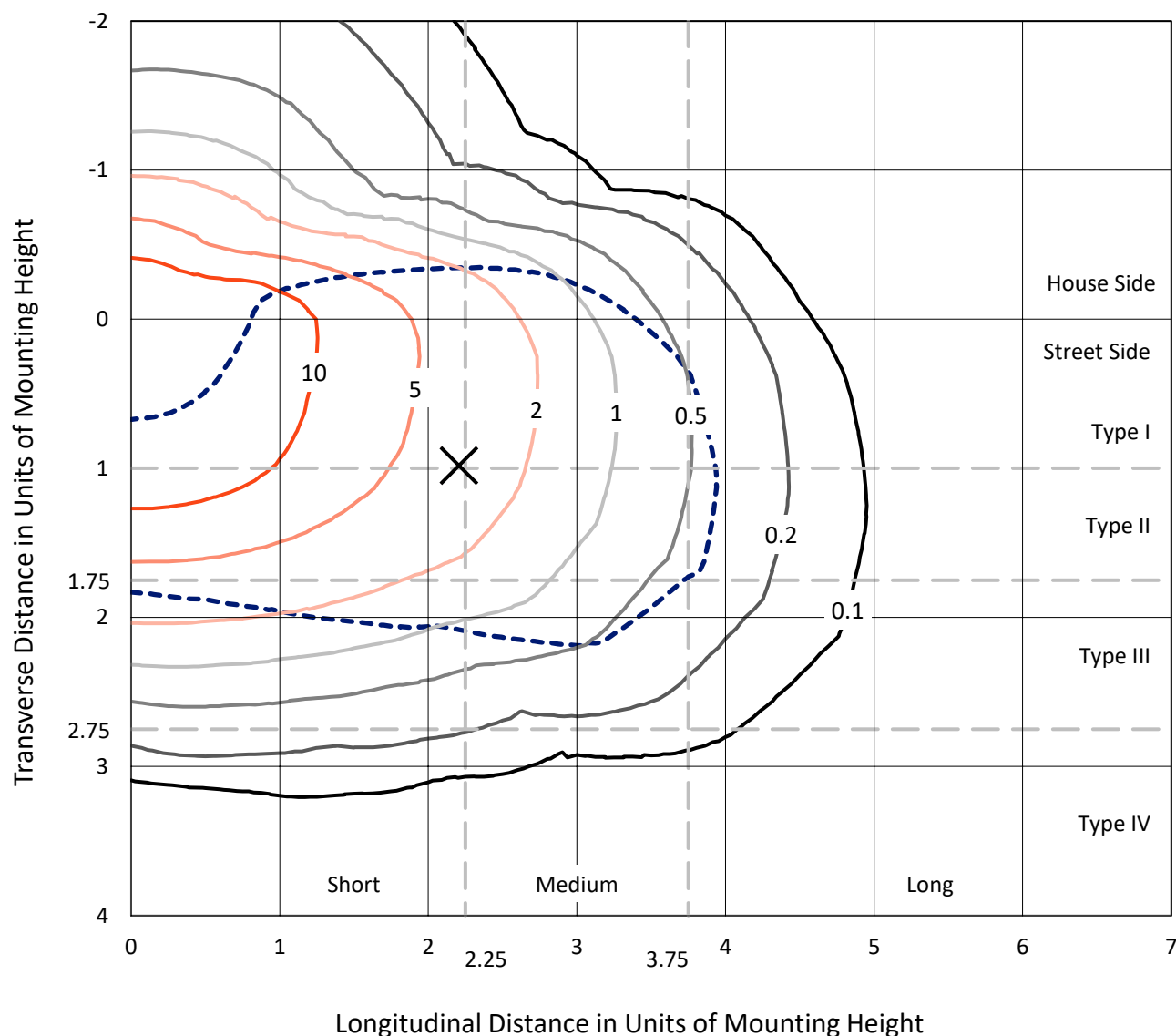
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

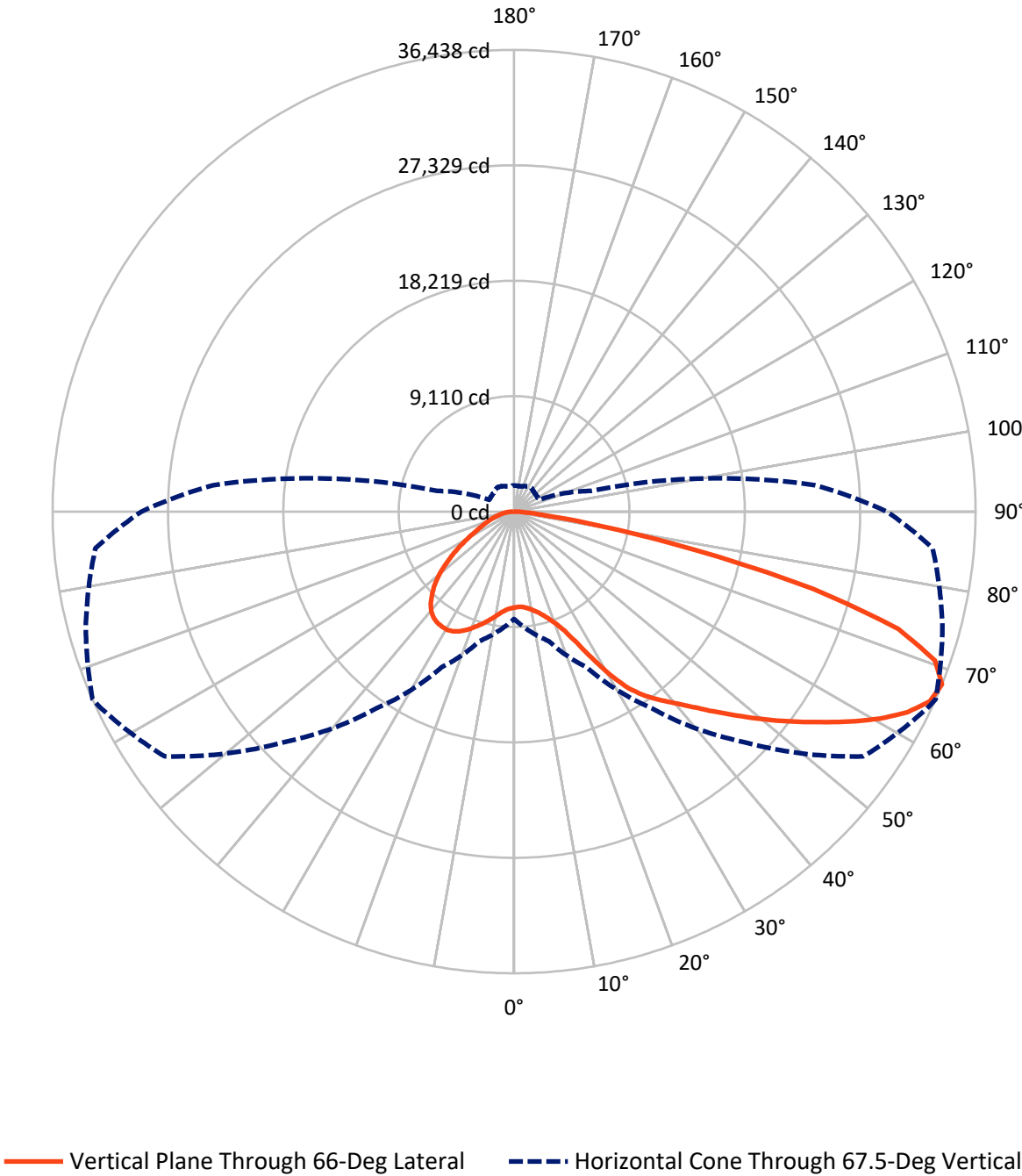


Based on 25 foot mounting height. Maximum calculated value = 17.2 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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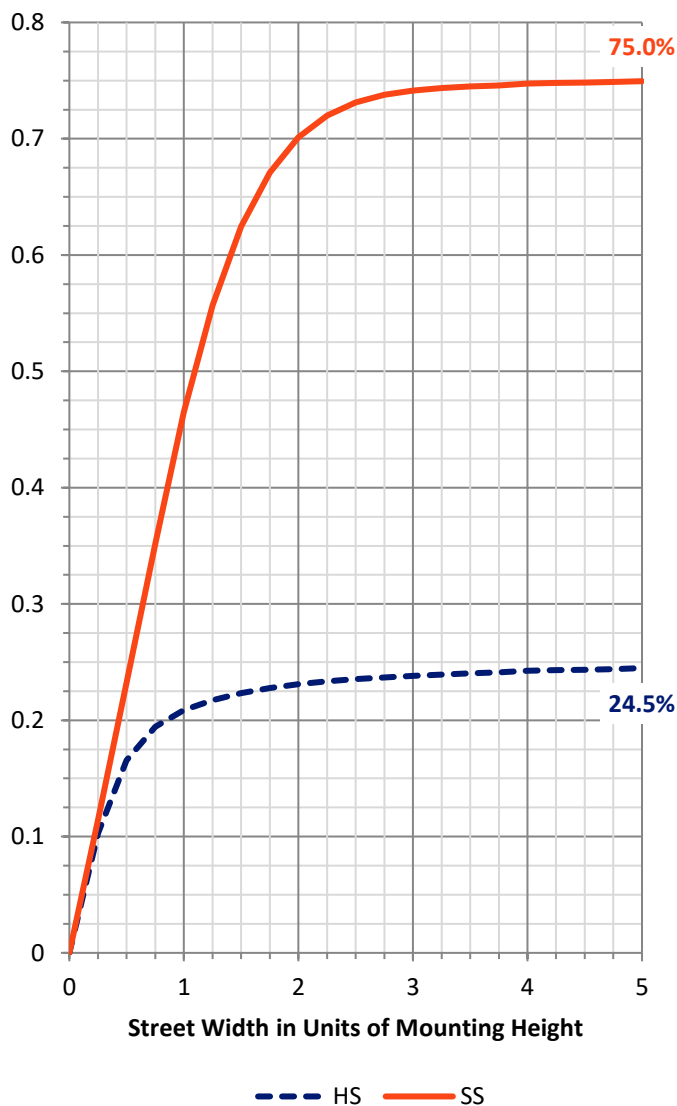
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 16972.6  | 0.0    | 16972.6 |
|                    | % Fixture | 24.9     | 0.0    | 24.9    |
| <b>Street Side</b> | Lumens    | 51287.3  | 0.0    | 51287.3 |
|                    | % Fixture | 75.1     | 0.0    | 75.1    |
| <b>Total</b>       | Lumens    | 68260.0  | 0.0    | 68260.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 750.6   | 1.1       |
| 10°-20°   | 2480.0  | 3.6       |
| 20°-30°   | 4780.0  | 7.0       |
| 30°-40°   | 8381.1  | 12.3      |
| 40°-50°   | 12460.0 | 18.3      |
| 50°-60°   | 15794.3 | 23.1      |
| 60°-70°   | 15454.3 | 22.6      |
| 70°-80°   | 7371.8  | 10.8      |
| 80°-90°   | 787.8   | 1.2       |
| 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°    | 68260.0 | 100.0     |
| 0°-180°   | 68260.0 | 100.0     |

**Coefficient of Utilization**



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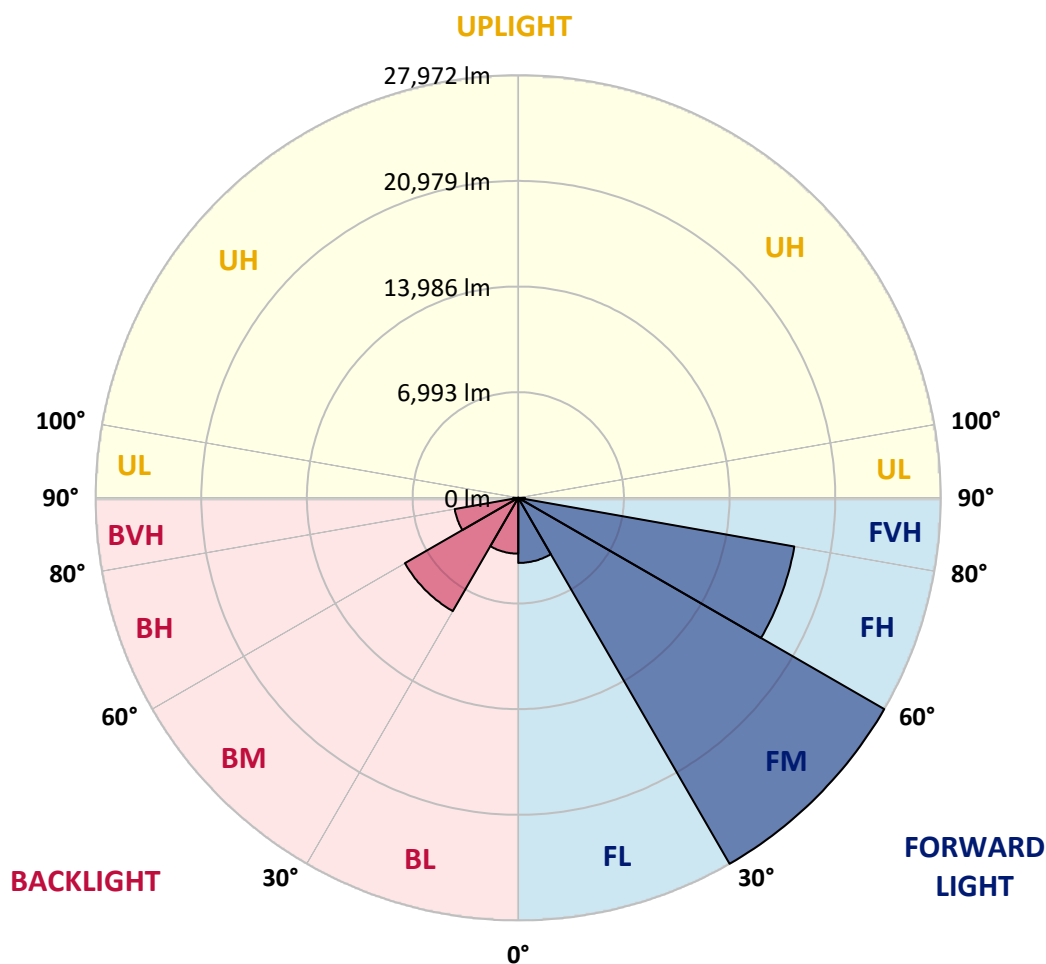
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 4313.4  | 6.3       |                         |      |         |
| FM   | (30°-60°)   | 27972.4 | 41.0      |                         |      |         |
| FH   | (60°-80°)   | 18554.9 | 27.2      |                         |      | G5      |
| FVH  | (80°-90°)   | 446.7   | 0.7       |                         |      | G3/500  |
| BL   | (0°-30°)    | 3697.3  | 5.4       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 8663.0  | 12.7      | B5                      |      |         |
| BH   | (60°-80°)   | 4271.2  | 6.3       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 341.2   | 0.5       |                         |      | G3/500  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B5-U0-G5**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 66°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 7570.9  | 7570.9  | 7570.9  | 7570.9  | 7570.9  | 7570.9  | 7570.9  | 7570.9  | 7570.9  | 7570.9  |
| 2.5°  | 7492.0  | 7535.1  | 7524.3  | 7506.4  | 7502.8  | 7510.0  | 7520.7  | 7531.5  | 7527.9  | 7545.8  |
| 5°    | 7470.5  | 7513.6  | 7510.0  | 7510.0  | 7524.3  | 7553.0  | 7570.9  | 7588.9  | 7570.9  | 7592.5  |
| 7.5°  | 7484.9  | 7517.1  | 7531.5  | 7545.8  | 7581.7  | 7635.5  | 7678.5  | 7718.0  | 7696.5  | 7721.6  |
| 10°   | 7667.8  | 7692.9  | 7707.2  | 7707.2  | 7732.3  | 7793.3  | 7836.3  | 7908.1  | 7890.1  | 7929.6  |
| 12.5° | 8001.3  | 8026.4  | 8026.4  | 8012.1  | 8030.0  | 8069.4  | 8083.8  | 8162.7  | 8130.4  | 8195.0  |
| 15°   | 8410.2  | 8460.4  | 8420.9  | 8395.8  | 8403.0  | 8442.4  | 8438.9  | 8499.8  | 8467.5  | 8521.3  |
| 17.5° | 8862.0  | 8926.6  | 8862.0  | 8858.5  | 8844.1  | 8887.2  | 8890.7  | 8944.5  | 8887.2  | 8926.6  |
| 20°   | 9396.4  | 9486.1  | 9432.3  | 9450.2  | 9417.9  | 9435.9  | 9453.8  | 9532.7  | 9443.0  | 9471.7  |
| 22.5° | 10149.6 | 10257.2 | 10199.8 | 10267.9 | 10246.4 | 10232.1 | 10228.5 | 10368.3 | 10228.5 | 10239.2 |
| 25°   | 11247.0 | 11376.1 | 11275.7 | 11369.0 | 11369.0 | 11415.6 | 11469.4 | 11648.7 | 11415.6 | 11347.4 |
| 27.5° | 12868.1 | 12997.2 | 12799.9 | 12857.3 | 12839.4 | 12954.2 | 12896.8 | 13341.5 | 13090.4 | 12979.3 |
| 30°   | 14819.1 | 15048.6 | 14675.6 | 14661.3 | 14643.4 | 14826.3 | 14908.8 | 15202.8 | 14948.2 | 14837.0 |
| 32.5° | 16927.9 | 17168.2 | 16723.5 | 16594.4 | 16526.2 | 16637.4 | 16569.3 | 16806.0 | 16630.2 | 16458.1 |
| 35°   | 19158.7 | 19395.4 | 18972.2 | 18721.1 | 18448.6 | 18215.4 | 17971.6 | 18032.5 | 17867.6 | 17605.7 |
| 37.5° | 21267.5 | 21701.4 | 21253.1 | 20984.2 | 20482.1 | 20026.6 | 19345.2 | 19061.8 | 18907.6 | 18667.3 |
| 40°   | 23415.7 | 23663.2 | 23322.5 | 23093.0 | 22547.8 | 21834.1 | 20743.9 | 20144.9 | 19936.9 | 19703.8 |
| 42.5° | 24997.4 | 25234.1 | 25051.2 | 24893.4 | 24466.6 | 23638.1 | 22228.6 | 21479.1 | 21177.8 | 20916.0 |
| 45°   | 26252.6 | 26428.3 | 26313.6 | 26371.0 | 26188.1 | 25384.7 | 23767.2 | 22910.1 | 22598.0 | 22278.9 |
| 47.5° | 26758.3 | 26944.8 | 27127.7 | 27468.4 | 27780.4 | 27188.7 | 25420.6 | 24459.4 | 24129.4 | 23803.1 |
| 50°   | 26700.9 | 26891.0 | 27421.8 | 28146.2 | 29114.6 | 28917.3 | 27163.6 | 26109.1 | 25804.3 | 25431.3 |
| 52.5° | 26241.8 | 26457.0 | 27138.5 | 28343.5 | 29885.7 | 30212.0 | 28938.8 | 27812.7 | 27525.8 | 27081.1 |
| 55°   | 25036.8 | 25165.9 | 26188.1 | 27895.2 | 30068.6 | 31115.8 | 30678.3 | 29627.4 | 29340.5 | 28720.1 |
| 57.5° | 22802.5 | 22989.0 | 24477.3 | 26686.6 | 29609.5 | 31729.1 | 32206.1 | 31535.4 | 31259.3 | 30366.2 |
| 60°   | 19886.7 | 20184.4 | 21887.9 | 24656.6 | 28440.3 | 31725.5 | 33594.0 | 33411.1 | 33181.6 | 31987.3 |
| 62.5° | 16587.2 | 16931.5 | 18570.5 | 21787.5 | 26396.1 | 30825.3 | 34461.9 | 34982.0 | 34863.6 | 33482.8 |
| 65°   | 12739.0 | 12975.7 | 14607.5 | 18075.6 | 23214.9 | 28892.2 | 34562.3 | 36054.3 | 36075.8 | 34619.7 |
| 67.5° | 8481.9  | 9163.3  | 10579.9 | 13563.8 | 18954.2 | 25732.6 | 33680.1 | 36230.0 | 36438.0 | 35010.6 |
| 70°   | 4138.7  | 5035.3  | 6423.3  | 8815.4  | 13563.8 | 20887.3 | 31374.0 | 34788.3 | 35250.9 | 33870.2 |
| 72.5° | 1717.9  | 2008.4  | 2765.1  | 4350.3  | 7786.1  | 14094.6 | 26740.4 | 30879.1 | 31736.2 | 30011.2 |
| 75°   | 1158.4  | 1255.2  | 1581.6  | 2230.8  | 3547.0  | 6950.5  | 19284.2 | 23024.8 | 24405.6 | 22666.2 |
| 77.5° | 893.0   | 954.0   | 1151.2  | 1560.1  | 2108.8  | 2628.8  | 10321.7 | 13875.9 | 14589.6 | 13506.5 |
| 80°   | 702.9   | 749.6   | 860.7   | 1136.9  | 1495.5  | 1405.9  | 3518.3  | 6287.0  | 6699.4  | 5619.9  |
| 82.5° | 609.7   | 627.6   | 616.9   | 771.1   | 993.4   | 821.3   | 1154.8  | 2320.4  | 2560.7  | 1857.8  |
| 85°   | 441.1   | 491.3   | 512.9   | 477.0   | 527.2   | 416.0   | 473.4   | 821.3   | 903.8   | 806.9   |
| 87.5° | 179.3   | 265.4   | 326.4   | 308.4   | 193.7   | 118.4   | 147.0   | 240.3   | 276.2   | 301.3   |
| 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°   |
|---------|-------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|
| 7570.9  | 0°    | 7570.9  | 7570.9  | 7570.9  | 7570.9  | 7570.9 | 7570.9 | 7570.9 | 7570.9 | 7570.9 | 7570.9 |
| 7574.5  | 2.5°  | 7578.1  | 7603.2  | 7621.1  | 7642.7  | 7657.0 | 7678.5 | 7721.6 | 7746.7 | 7750.3 | 7768.2 |
| 7631.9  | 5°    | 7646.3  | 7682.1  | 7721.6  | 7778.9  | 7843.5 | 7897.3 | 7979.8 | 8037.2 | 8058.7 | 8076.6 |
| 7771.8  | 7.5°  | 7793.3  | 7843.5  | 7915.2  | 8015.7  | 8108.9 | 8180.6 | 8281.0 | 8349.2 | 8417.3 | 8442.4 |
| 7994.1  | 10°   | 8012.1  | 8083.8  | 8187.8  | 8324.1  | 8424.5 | 8517.8 | 8621.8 | 8679.1 | 8747.3 | 8776.0 |
| 8259.5  | 12.5° | 8284.6  | 8359.9  | 8496.2  | 8686.3  | 8779.6 | 8844.1 | 8880.0 | 8865.6 | 8880.0 | 8905.1 |
| 8578.7  | 15°   | 8596.7  | 8679.1  | 8833.4  | 9037.8  | 9102.3 | 9045.0 | 8966.1 | 8894.3 | 8883.6 | 8890.7 |
| 8966.1  | 17.5° | 8966.1  | 9027.0  | 9206.3  | 9378.5  | 9331.9 | 9095.2 | 8923.0 | 8808.3 | 8750.9 | 8732.9 |
| 9461.0  | 20°   | 9482.5  | 9482.5  | 9629.5  | 9737.1  | 9425.1 | 9023.4 | 8754.5 | 8568.0 | 8449.6 | 8399.4 |
| 10135.2 | 22.5° | 10110.1 | 10052.7 | 10146.0 | 10070.7 | 9407.2 | 8822.6 | 8449.6 | 8126.8 | 7947.5 | 7875.8 |
| 11078.5 | 25°   | 10906.3 | 10838.2 | 10813.1 | 10346.8 | 9278.1 | 8503.4 | 7897.3 | 7506.4 | 7348.6 | 7309.1 |
| 12437.7 | 27.5° | 12107.8 | 11935.6 | 11609.2 | 10497.5 | 9041.4 | 8001.3 | 7251.7 | 6889.5 | 6799.9 | 6803.4 |
| 14184.3 | 30°   | 13707.3 | 13363.0 | 12563.2 | 10522.6 | 8654.0 | 7291.2 | 6591.8 | 6333.6 | 6290.6 | 6308.5 |
| 15651.1 | 32.5° | 15188.5 | 14862.1 | 13538.7 | 10407.8 | 8058.7 | 6595.4 | 6000.1 | 5827.9 | 5763.4 | 5784.9 |
| 16770.1 | 35°   | 16350.5 | 16260.8 | 14442.5 | 10246.4 | 7327.1 | 5942.7 | 5469.3 | 5322.2 | 5196.7 | 5168.0 |
| 17824.5 | 37.5° | 17447.9 | 17412.1 | 15120.4 | 10020.5 | 6602.6 | 5480.1 | 5042.5 | 4848.8 | 4665.9 | 4565.5 |
| 18990.1 | 40°   | 18653.0 | 18617.1 | 15565.1 | 9672.6  | 5960.6 | 5078.4 | 4658.8 | 4404.1 | 4178.2 | 3995.3 |
| 20309.9 | 42.5° | 20008.6 | 19797.0 | 15776.7 | 9174.1  | 5415.5 | 4737.7 | 4346.7 | 4002.4 | 3704.8 | 3536.2 |
| 21801.9 | 45°   | 21489.8 | 21012.8 | 15773.1 | 8539.3  | 4956.4 | 4425.6 | 4013.2 | 3525.5 | 3249.3 | 3091.5 |
| 23333.3 | 47.5° | 23060.7 | 22174.8 | 15579.4 | 7836.3  | 4511.7 | 4081.3 | 3496.8 | 3123.8 | 2940.9 | 2844.0 |
| 24997.4 | 50°   | 24681.8 | 23261.5 | 15249.5 | 7029.4  | 4056.2 | 3690.4 | 3174.0 | 2919.3 | 2779.5 | 2689.8 |
| 26647.1 | 52.5° | 26206.0 | 24247.8 | 14851.4 | 6114.8  | 3593.6 | 3310.3 | 3030.5 | 2833.3 | 2686.2 | 2585.8 |
| 28246.7 | 55°   | 27622.6 | 25097.8 | 14288.3 | 5178.8  | 3217.0 | 3055.6 | 2962.4 | 2797.4 | 2628.8 | 2510.5 |
| 29871.3 | 57.5° | 28881.5 | 25650.1 | 13316.4 | 4300.1  | 2948.0 | 2879.9 | 2890.7 | 2736.4 | 2542.8 | 2442.4 |
| 31470.8 | 60°   | 29928.7 | 26055.4 | 11878.2 | 3486.0  | 2729.3 | 2707.7 | 2779.5 | 2621.7 | 2395.7 | 2281.0 |
| 32822.9 | 62.5° | 30556.3 | 26048.2 | 10113.7 | 2854.8  | 2542.8 | 2549.9 | 2632.4 | 2478.2 | 2248.7 | 2141.1 |
| 33529.5 | 65°   | 30502.5 | 25409.8 | 8177.0  | 2442.4  | 2363.5 | 2370.6 | 2478.2 | 2320.4 | 2126.7 | 2062.2 |
| 33174.4 | 67.5° | 29423.0 | 23853.3 | 6272.7  | 2173.4  | 2166.2 | 2198.5 | 2324.0 | 2212.8 | 2051.4 | 2044.3 |
| 31058.4 | 70°   | 26500.1 | 20621.9 | 4518.9  | 1958.2  | 1961.8 | 2008.4 | 2173.4 | 2144.7 | 2012.0 | 2026.3 |
| 26112.7 | 72.5° | 21249.5 | 15722.9 | 3034.1  | 1732.2  | 1735.8 | 1811.1 | 2029.9 | 2090.9 | 1972.5 | 2162.6 |
| 18527.5 | 75°   | 14152.0 | 9805.3  | 1951.0  | 1492.0  | 1495.5 | 1592.4 | 1904.4 | 1986.9 | 1864.9 | 2155.4 |
| 9640.3  | 77.5° | 6799.9  | 4407.7  | 1413.1  | 1255.2  | 1255.2 | 1344.9 | 1646.2 | 1778.9 | 1588.8 | 1674.9 |
| 3098.7  | 80°   | 2349.1  | 1656.9  | 1111.8  | 1011.4  | 989.9  | 1050.8 | 1387.9 | 1542.2 | 1370.0 | 1262.4 |
| 1011.4  | 82.5° | 925.3   | 860.7   | 893.0   | 785.4   | 713.7  | 753.1  | 1079.5 | 1273.2 | 1007.8 | 911.0  |
| 570.2   | 85°   | 530.8   | 559.5   | 631.2   | 520.0   | 412.4  | 462.6  | 792.6  | 914.5  | 760.3  | 670.7  |
| 186.5   | 87.5° | 143.5   | 197.3   | 290.5   | 269.0   | 186.5  | 197.3  | 376.6  | 505.7  | 437.5  | 337.1  |
| 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°   |
|--------|
| 7570.9 |
| 7764.6 |
| 8073.0 |
| 8446.0 |
| 8790.3 |
| 8912.3 |
| 8915.8 |
| 8758.0 |
| 8388.6 |
| 7865.0 |
| 7316.3 |
| 6814.2 |
| 6369.5 |
| 5813.6 |
| 5189.6 |
| 4569.1 |
| 4013.2 |
| 3547.0 |
| 3084.3 |
| 2822.5 |
| 2657.5 |
| 2542.8 |
| 2463.9 |
| 2377.8 |
| 2230.8 |
| 2108.8 |
| 2058.6 |
| 2055.0 |
| 2022.7 |
| 2191.3 |
| 2173.4 |
| 1535.0 |
| 1183.5 |
| 907.4  |
| 685.0  |
| 347.9  |
| 0.0    |