

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: P943359

Luminaire Tested: **GLAN-SB7D-750-U-T4FT**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P943359  
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-SB7D-750-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 75674 lumens  
Efficiency: N/A  
Efficacy: 147.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B5 - U0 - G5

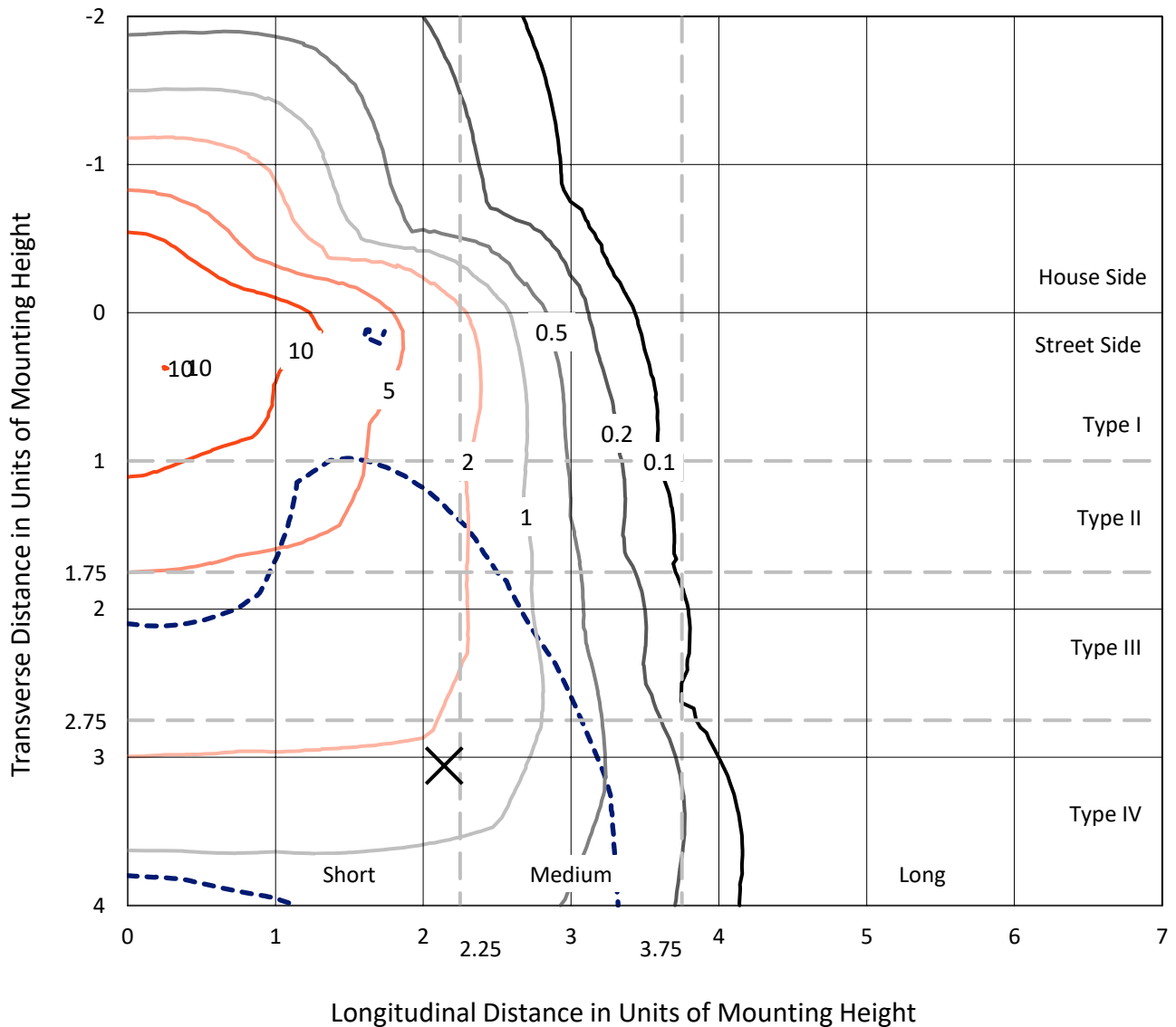
Input Watts (W): 512.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

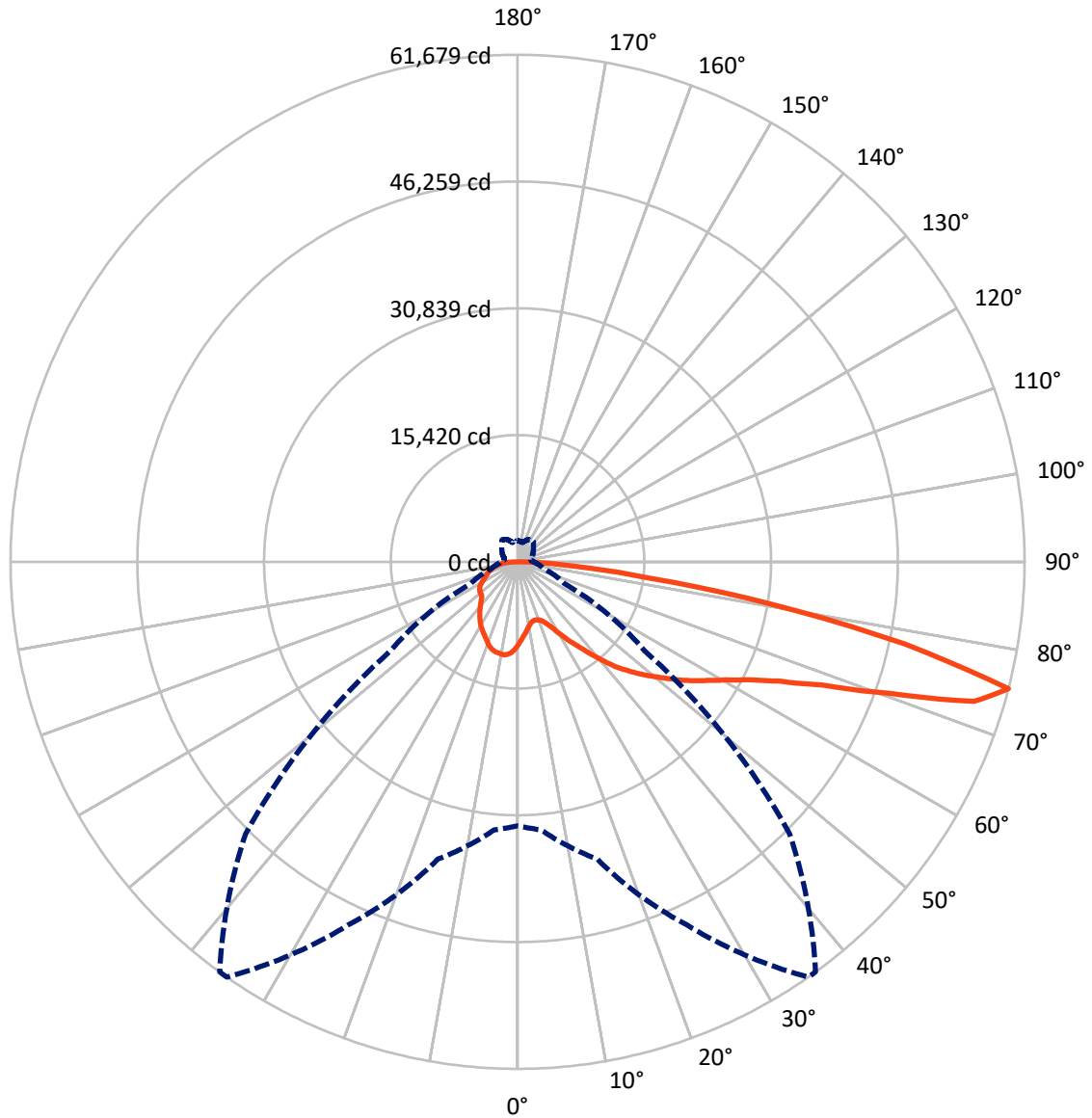
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.8 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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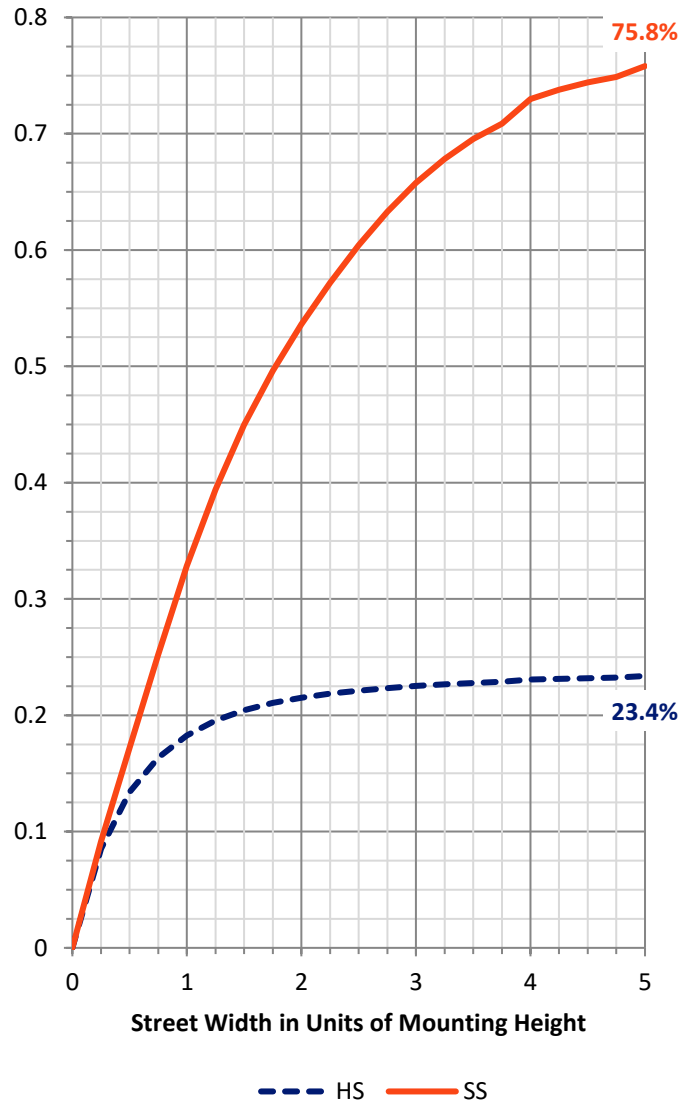
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 18008.5  | 0.0    | 18008.5 |
|                    | % Fixture | 23.8     | 0.0    | 23.8    |
| <b>Street Side</b> | Lumens    | 57665.5  | 0.0    | 57665.5 |
|                    | % Fixture | 76.2     | 0.0    | 76.2    |
| <b>Total</b>       | Lumens    | 75674.0  | 0.0    | 75674.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 954.8   | 1.3       |
| 10°-20°   | 2753.9  | 3.6       |
| 20°-30°   | 4624.6  | 6.1       |
| 30°-40°   | 7187.2  | 9.5       |
| 40°-50°   | 10667.8 | 14.1      |
| 50°-60°   | 14727.5 | 19.5      |
| 60°-70°   | 17867.9 | 23.6      |
| 70°-80°   | 14766.4 | 19.5      |
| 80°-90°   | 2123.9  | 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°    | 75674.0 | 100.0     |
| 0°-180°   | 75674.0 | 100.0     |

**Coefficient of Utilization**

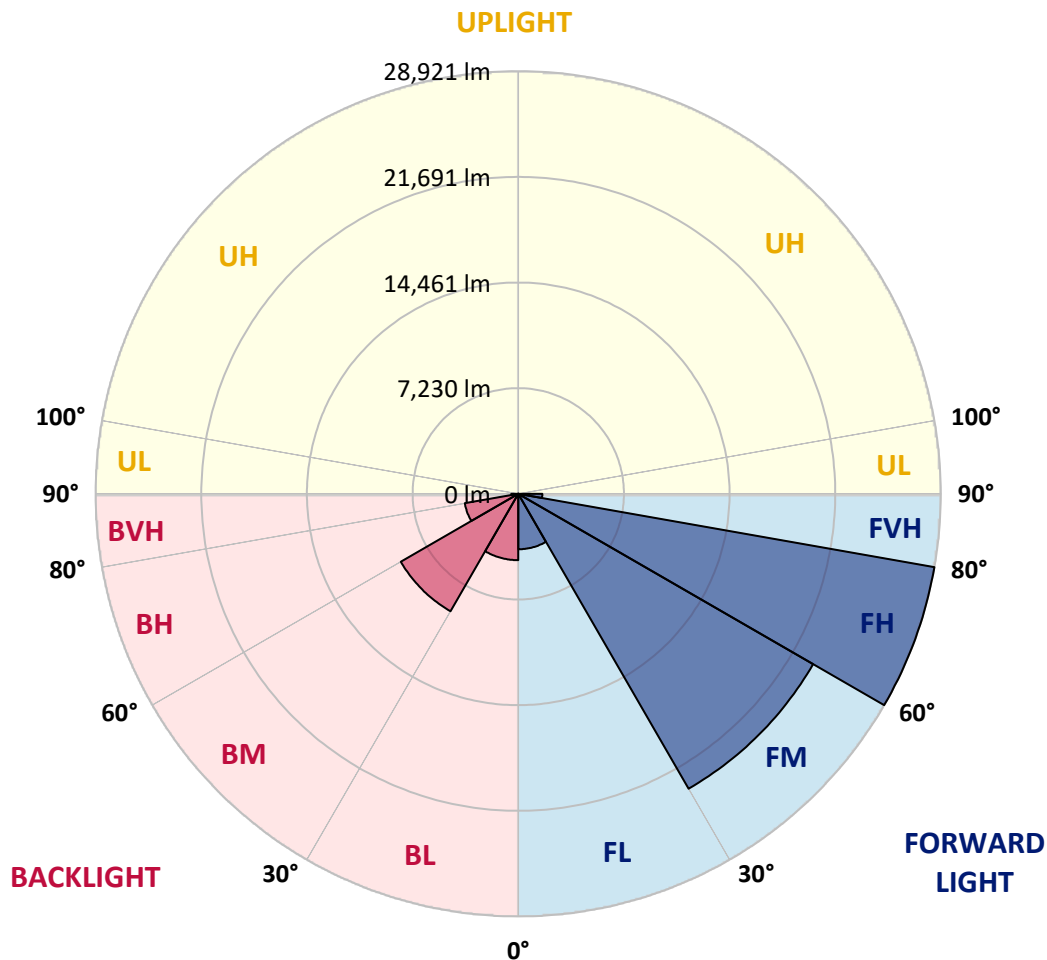


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|---------|-----------|-------------------------|------|---------|
|                |         |           | B                       | U    | G       |
| FL (0°-30°)    | 3794.9  | 5.0       |                         |      |         |
| FM (30°-60°)   | 23303.5 | 30.8      |                         |      |         |
| FH (60°-80°)   | 28921.5 | 38.2      |                         |      | G5      |
| FVH (80°-90°)  | 1645.6  | 2.2       |                         |      | G5      |
| BL (0°-30°)    | 4538.4  | 6.0       | B4/5000                 |      |         |
| BM (30°-60°)   | 9279.1  | 12.3      | B5                      |      |         |
| BH (60°-80°)   | 3712.8  | 4.9       | B4/5000                 |      | G4/5000 |
| BVH (80°-90°)  | 478.2   | 0.6       |                         |      | 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 IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 36°     | 45°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 10084.1 | 10084.1 | 10084.1 | 10084.1 | 10084.1 | 10084.1 | 10084.1 | 10084.1 | 10084.1 | 10084.1 |
| 2.5°  | 9298.6  | 9355.9  | 9380.4  | 9368.2  | 9429.5  | 9421.3  | 9507.3  | 9613.6  | 9760.9  | 9904.1  |
| 5°    | 8582.7  | 8644.1  | 8697.3  | 8746.3  | 8865.0  | 8901.8  | 9036.8  | 9241.3  | 9511.3  | 9785.4  |
| 7.5°  | 7915.9  | 7969.1  | 8050.9  | 8140.9  | 8341.3  | 8378.2  | 8603.2  | 8922.3  | 9298.6  | 9699.5  |
| 10°   | 7371.8  | 7425.0  | 7510.9  | 7613.2  | 7862.7  | 7907.7  | 8194.1  | 8619.5  | 9110.4  | 9617.7  |
| 12.5° | 7138.6  | 7155.0  | 7204.1  | 7306.4  | 7523.2  | 7551.8  | 7866.8  | 8353.6  | 8926.3  | 9556.3  |
| 15°   | 7126.4  | 7159.1  | 7163.2  | 7216.4  | 7396.4  | 7408.6  | 7699.1  | 8181.8  | 8811.8  | 9544.1  |
| 17.5° | 7249.1  | 7273.6  | 7236.8  | 7269.5  | 7420.9  | 7441.3  | 7670.4  | 8100.0  | 8775.0  | 9597.3  |
| 20°   | 7576.3  | 7596.8  | 7486.3  | 7441.3  | 7551.8  | 7568.2  | 7793.2  | 8153.2  | 8811.8  | 9707.7  |
| 22.5° | 8271.8  | 8284.1  | 8014.1  | 7830.0  | 7838.2  | 7846.3  | 8042.7  | 8370.0  | 8955.0  | 9908.2  |
| 25°   | 9355.9  | 9347.7  | 8918.2  | 8562.3  | 8357.7  | 8312.7  | 8443.6  | 8721.8  | 9196.3  | 10174.1 |
| 27.5° | 10624.1 | 10562.7 | 10133.2 | 9601.3  | 9155.4  | 9090.0  | 9061.3  | 9180.0  | 9540.0  | 10525.9 |
| 30°   | 12055.9 | 11998.6 | 11536.3 | 10840.9 | 10223.2 | 10116.8 | 9846.8  | 9785.4  | 10051.3 | 11004.5 |
| 32.5° | 13626.8 | 13590.0 | 13037.7 | 12195.0 | 11368.6 | 11245.9 | 10791.8 | 10628.2 | 10836.8 | 11728.6 |
| 35°   | 14944.1 | 14911.3 | 14453.2 | 13585.9 | 12575.4 | 12424.1 | 11961.8 | 11777.7 | 11884.1 | 12657.2 |
| 37.5° | 16134.5 | 16118.2 | 15725.4 | 15042.2 | 13999.1 | 13815.0 | 13295.4 | 13234.1 | 13213.6 | 13880.4 |
| 40°   | 17239.1 | 17198.2 | 16789.1 | 16429.1 | 15655.9 | 15488.2 | 15030.0 | 14976.8 | 14821.3 | 15385.9 |
| 42.5° | 18462.2 | 18355.9 | 17762.7 | 17595.0 | 17386.3 | 17247.2 | 16973.2 | 16981.3 | 16637.7 | 17083.6 |
| 45°   | 19460.4 | 19399.1 | 18789.5 | 18691.3 | 18916.3 | 18859.1 | 19096.3 | 19157.7 | 18490.9 | 18863.1 |
| 47.5° | 20532.2 | 20475.0 | 19959.5 | 19890.0 | 20499.5 | 20515.9 | 21354.5 | 21375.0 | 20299.1 | 20712.2 |
| 50°   | 21853.6 | 21771.8 | 21260.4 | 21346.3 | 22029.5 | 22090.9 | 23625.0 | 23485.9 | 21964.1 | 22590.0 |
| 52.5° | 22725.0 | 22774.0 | 22663.6 | 22802.7 | 23735.4 | 23792.7 | 25858.6 | 25502.7 | 23612.7 | 24443.1 |
| 55°   | 23367.2 | 23465.4 | 23809.0 | 24128.1 | 25535.4 | 25592.7 | 27965.4 | 27421.3 | 24979.0 | 26161.3 |
| 57.5° | 24193.6 | 24054.5 | 24696.8 | 25318.6 | 27245.4 | 27396.8 | 30014.9 | 29270.4 | 26190.0 | 27642.2 |
| 60°   | 25380.0 | 25281.8 | 25780.9 | 26701.3 | 29159.9 | 29401.3 | 32183.1 | 30935.4 | 27077.7 | 28816.3 |
| 62.5° | 27785.4 | 27539.9 | 27617.7 | 28431.8 | 31573.6 | 31892.7 | 34629.5 | 32387.7 | 27519.5 | 29274.5 |
| 65°   | 31381.3 | 30959.9 | 30567.2 | 31131.8 | 34973.1 | 35288.1 | 37390.8 | 33529.0 | 27355.9 | 28386.8 |
| 67.5° | 35909.9 | 35492.7 | 35009.9 | 35541.8 | 39980.4 | 40229.9 | 40798.6 | 34171.3 | 26067.2 | 24966.8 |
| 70°   | 39644.9 | 39489.5 | 40066.3 | 42254.9 | 47978.1 | 47986.3 | 45167.6 | 33639.5 | 22536.8 | 17701.3 |
| 72.5° | 39149.9 | 39055.8 | 42095.4 | 48861.7 | 58058.1 | 57841.3 | 49303.5 | 29614.0 | 15181.3 | 7985.4  |
| 75°   | 32117.7 | 32727.2 | 37435.8 | 48743.1 | 61678.5 | 61649.9 | 46771.3 | 18826.3 | 6279.5  | 3309.5  |
| 77.5° | 17222.7 | 18188.1 | 24304.0 | 35987.7 | 48149.9 | 48874.0 | 32882.7 | 6586.4  | 2695.9  | 2119.1  |
| 80°   | 5616.8  | 6459.5  | 9687.3  | 18323.1 | 31287.2 | 31152.2 | 14093.2 | 2585.4  | 1845.0  | 1501.4  |
| 82.5° | 2385.0  | 2483.2  | 4328.2  | 8652.3  | 16056.8 | 15807.2 | 4487.7  | 1485.0  | 1296.8  | 1026.8  |
| 85°   | 932.7   | 1043.2  | 1910.5  | 4000.9  | 6954.5  | 6803.2  | 1620.0  | 736.4   | 830.5   | 670.9   |
| 87.5° | 306.8   | 372.3   | 683.2   | 1370.5  | 2164.1  | 2086.4  | 396.8   | 253.6   | 360.0   | 306.8   |
| 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°    |
|---------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 10084.1 | 0°    | 10084.1 | 10084.1 | 10084.1 | 10084.1 | 10084.1 | 10084.1 | 10084.1 | 10084.1 | 10084.1 | 10084.1 |
| 10112.7 | 2.5°  | 10170.0 | 10235.4 | 10313.2 | 10427.7 | 10525.9 | 10607.7 | 10693.6 | 10746.8 | 10767.3 | 10828.6 |
| 10129.1 | 5°    | 10243.6 | 10386.8 | 10579.1 | 10767.3 | 10951.3 | 11061.8 | 11160.0 | 11209.1 | 11254.1 | 11286.8 |
| 10174.1 | 7.5°  | 10366.3 | 10550.4 | 10853.2 | 11098.6 | 11254.1 | 11344.1 | 11409.5 | 11393.2 | 11409.5 | 11417.7 |
| 10223.2 | 10°   | 10472.7 | 10730.4 | 11090.4 | 11323.6 | 11442.3 | 11446.3 | 11430.0 | 11372.7 | 11344.1 | 11348.2 |
| 10296.8 | 12.5° | 10599.5 | 10885.9 | 11274.5 | 11470.9 | 11503.6 | 11413.6 | 11344.1 | 11245.9 | 11209.1 | 11192.7 |
| 10407.3 | 15°   | 10771.3 | 11098.6 | 11475.0 | 11548.6 | 11466.8 | 11352.3 | 11233.6 | 11074.1 | 10992.3 | 10926.8 |
| 10595.4 | 17.5° | 10980.0 | 11340.0 | 11630.4 | 11577.3 | 11401.3 | 11213.2 | 11020.9 | 10779.5 | 10611.8 | 10542.3 |
| 10853.2 | 20°   | 11270.4 | 11593.6 | 11749.1 | 11515.9 | 11250.0 | 10963.6 | 10636.3 | 10341.8 | 10186.3 | 10116.8 |
| 11180.4 | 22.5° | 11622.3 | 11933.2 | 11863.6 | 11409.5 | 11033.2 | 10575.0 | 10165.9 | 9949.1  | 9871.3  | 9822.3  |
| 11601.8 | 25°   | 12043.6 | 12309.5 | 11945.4 | 11254.1 | 10677.3 | 10059.5 | 9744.5  | 9675.0  | 9638.2  | 9601.3  |
| 12117.3 | 27.5° | 12591.8 | 12735.0 | 12006.8 | 11025.0 | 10120.9 | 9511.3  | 9396.8  | 9409.1  | 9396.8  | 9335.4  |
| 12833.2 | 30°   | 13315.9 | 13287.2 | 12064.1 | 10652.7 | 9482.7  | 9016.3  | 9024.5  | 9077.7  | 9085.9  | 9045.0  |
| 13831.3 | 32.5° | 14269.1 | 13978.6 | 12092.7 | 10170.0 | 8873.2  | 8582.7  | 8590.9  | 8648.2  | 8689.1  | 8619.5  |
| 15136.3 | 35°   | 15422.7 | 14784.5 | 12047.7 | 9564.5  | 8402.7  | 8169.5  | 8108.2  | 8124.5  | 8136.8  | 8071.3  |
| 16719.5 | 37.5° | 16768.6 | 15688.6 | 11847.3 | 8893.6  | 8014.1  | 7764.5  | 7633.6  | 7523.2  | 7457.7  | 7396.4  |
| 18511.3 | 40°   | 18245.4 | 16674.5 | 11479.1 | 8239.1  | 7580.4  | 7335.0  | 7138.6  | 6930.0  | 6709.1  | 6627.3  |
| 20409.5 | 42.5° | 19791.8 | 17689.1 | 11033.2 | 7613.2  | 7081.4  | 6880.9  | 6672.3  | 6369.5  | 6038.2  | 5870.4  |
| 22381.3 | 45°   | 21395.4 | 18728.1 | 10595.4 | 6995.4  | 6570.0  | 6484.1  | 6242.7  | 5878.6  | 5518.6  | 5305.9  |
| 24357.2 | 47.5° | 22966.3 | 19710.0 | 9953.2  | 6373.6  | 6091.4  | 6185.4  | 5997.3  | 5661.8  | 5260.9  | 4925.4  |
| 26316.8 | 50°   | 24467.7 | 20630.4 | 8901.8  | 5743.6  | 5702.7  | 6095.4  | 5915.4  | 5432.7  | 4974.5  | 4545.0  |
| 28239.5 | 52.5° | 25956.8 | 21375.0 | 7555.9  | 5170.9  | 5494.1  | 6070.9  | 5809.1  | 5277.3  | 4716.8  | 4266.8  |
| 30047.7 | 55°   | 27220.9 | 21759.5 | 6259.1  | 4680.0  | 5191.4  | 5862.3  | 5682.3  | 5093.2  | 4352.7  | 3874.1  |
| 31287.2 | 57.5° | 27940.9 | 21448.6 | 5179.1  | 4197.3  | 4774.1  | 5518.6  | 5465.4  | 4700.4  | 3919.1  | 3550.9  |
| 31528.6 | 60°   | 27629.9 | 20188.6 | 4295.4  | 3775.9  | 4377.3  | 5146.4  | 5089.1  | 4311.8  | 3587.7  | 3240.0  |
| 30235.9 | 62.5° | 25915.9 | 17787.2 | 3595.9  | 3407.7  | 4017.3  | 4765.9  | 4712.7  | 4013.2  | 3334.1  | 2998.6  |
| 26803.6 | 65°   | 22463.1 | 14469.5 | 3051.8  | 3100.9  | 3653.2  | 4307.7  | 4385.4  | 3763.6  | 3133.6  | 2806.4  |
| 20736.8 | 67.5° | 17132.7 | 10480.9 | 2626.4  | 2835.0  | 3297.3  | 3857.7  | 4082.7  | 3583.6  | 2965.9  | 2655.0  |
| 11998.6 | 70°   | 9765.0  | 5952.3  | 2266.4  | 2577.3  | 2982.3  | 3440.4  | 3849.5  | 3440.4  | 2785.9  | 2528.2  |
| 4495.9  | 72.5° | 3702.3  | 2732.7  | 1959.5  | 2319.5  | 2679.5  | 3088.6  | 3591.8  | 3215.4  | 2577.3  | 2385.0  |
| 2323.6  | 75°   | 1975.9  | 1665.0  | 1648.6  | 2016.8  | 2331.8  | 2745.0  | 3268.6  | 2994.5  | 2421.8  | 2520.0  |
| 1607.7  | 77.5° | 1345.9  | 1178.2  | 1378.6  | 1726.4  | 1951.4  | 2364.5  | 2925.0  | 2659.1  | 2098.6  | 2090.5  |
| 1112.7  | 80°   | 932.7   | 834.5   | 1120.9  | 1390.9  | 1509.5  | 1988.2  | 2552.7  | 2282.7  | 1710.0  | 1595.5  |
| 687.3   | 82.5° | 560.5   | 544.1   | 838.6   | 1039.1  | 1067.7  | 1534.1  | 2115.0  | 1914.5  | 1399.1  | 1219.1  |
| 409.1   | 85°   | 306.8   | 323.2   | 535.9   | 609.5   | 621.8   | 1071.8  | 1656.8  | 1480.9  | 1075.9  | 904.1   |
| 147.3   | 87.5° | 85.9    | 110.5   | 196.4   | 241.4   | 298.6   | 556.4   | 985.9   | 879.5   | 540.0   | 376.4   |
| 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°    |
|---------|
| 10084.1 |
| 10824.5 |
| 11295.0 |
| 11430.0 |
| 11356.3 |
| 11184.5 |
| 10947.3 |
| 10546.3 |
| 10108.6 |
| 9830.4  |
| 9601.3  |
| 9347.7  |
| 9065.4  |
| 8652.3  |
| 8116.3  |
| 7437.3  |
| 6664.1  |
| 5890.9  |
| 5289.5  |
| 4888.6  |
| 4508.2  |
| 4217.7  |
| 3833.2  |
| 3501.8  |
| 3190.9  |
| 2945.4  |
| 2753.2  |
| 2605.9  |
| 2495.4  |
| 2352.3  |
| 2601.8  |
| 1926.8  |
| 1525.9  |
| 1227.3  |
| 912.3   |
| 376.4   |
| 0.0     |

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