

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: P953166

Luminaire Tested: **GLAN-SB6D-750-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953166
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6D-750-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 65158 lumens
Efficiency: N/A
Efficacy: 148.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

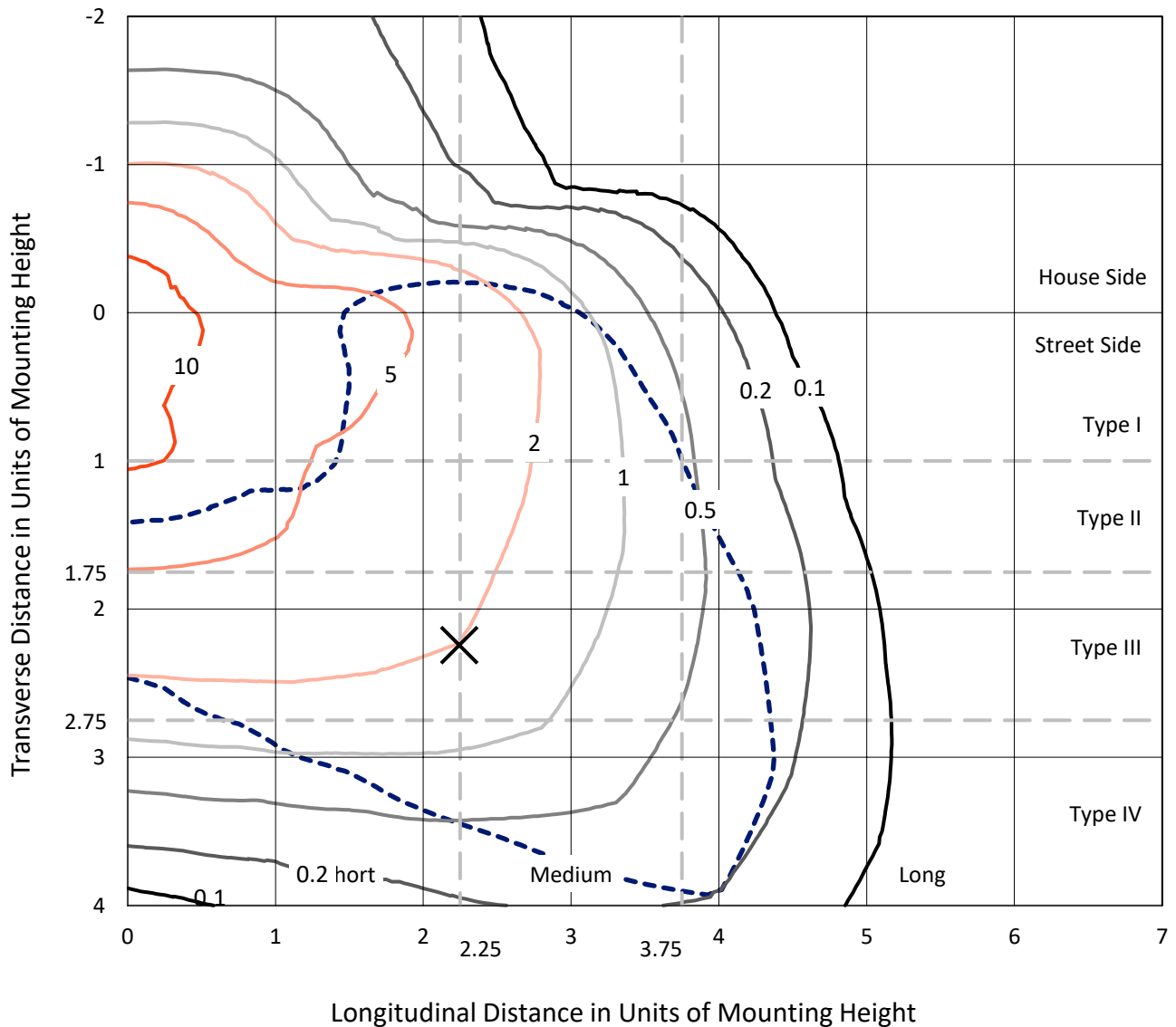
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

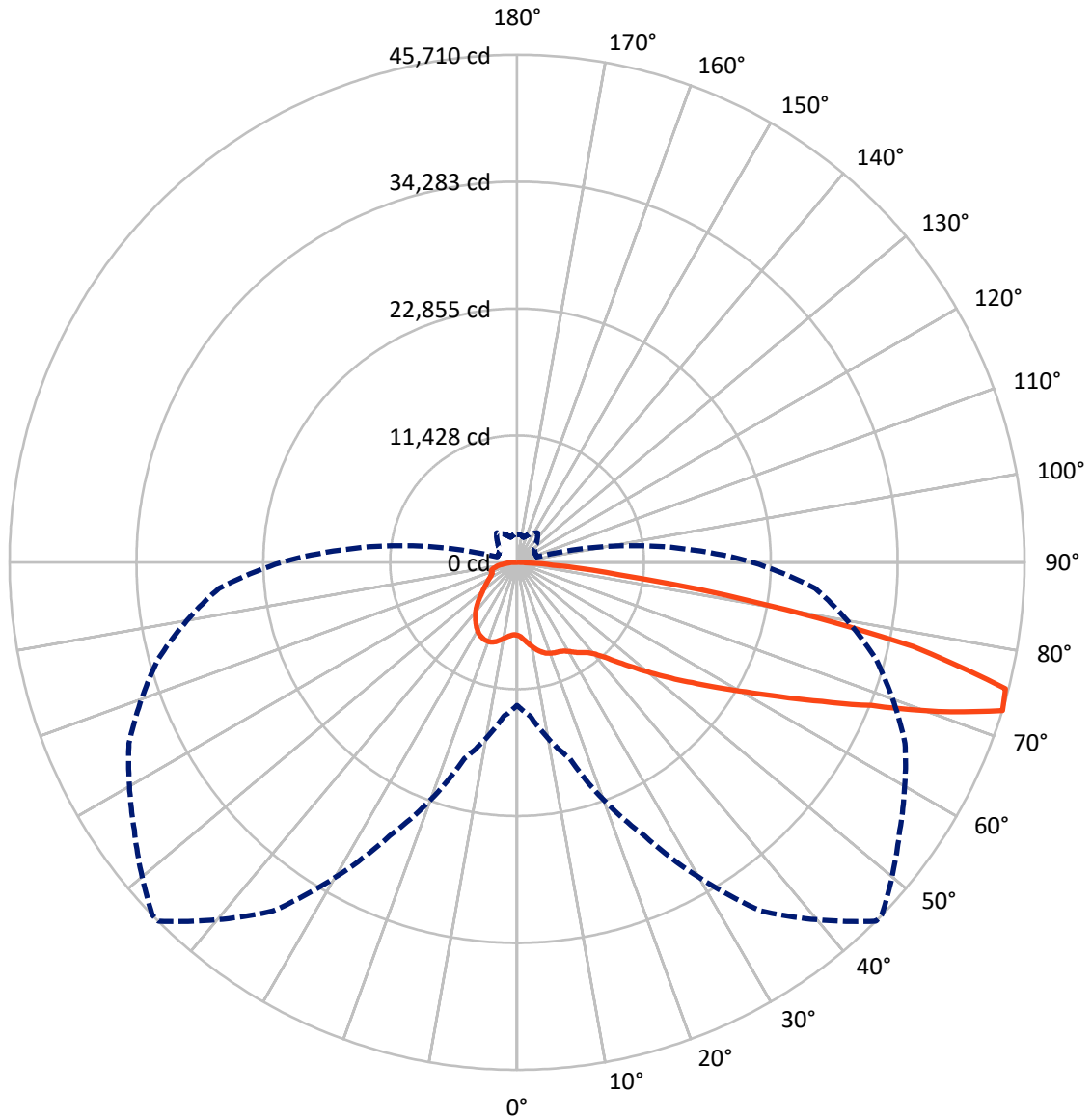
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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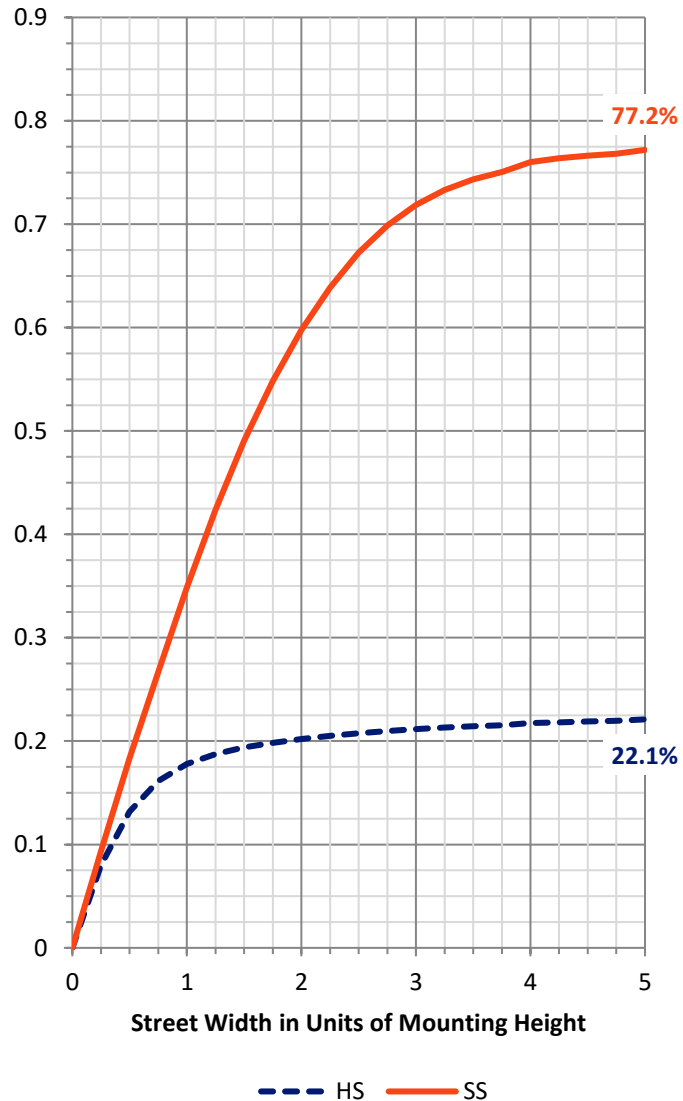
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 14730.0 | 0.0 | 14730.0 |
| | % Fixture | 22.6 | 0.0 | 22.6 |
| Street Side | Lumens | 50428.0 | 0.0 | 50428.0 |
| | % Fixture | 77.4 | 0.0 | 77.4 |
| Total | Lumens | 65158.0 | 0.0 | 65158.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 669.0 | 1.0 |
| 10°-20° | 2230.6 | 3.4 |
| 20°-30° | 3880.3 | 6.0 |
| 30°-40° | 5562.5 | 8.5 |
| 40°-50° | 7832.4 | 12.0 |
| 50°-60° | 11996.9 | 18.4 |
| 60°-70° | 17379.3 | 26.7 |
| 70°-80° | 13878.4 | 21.3 |
| 80°-90° | 1728.5 | 2.7 |
| 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° | 65158.0 | 100.0 |
| 0°-180° | 65158.0 | 100.0 |

Coefficient of Utilization

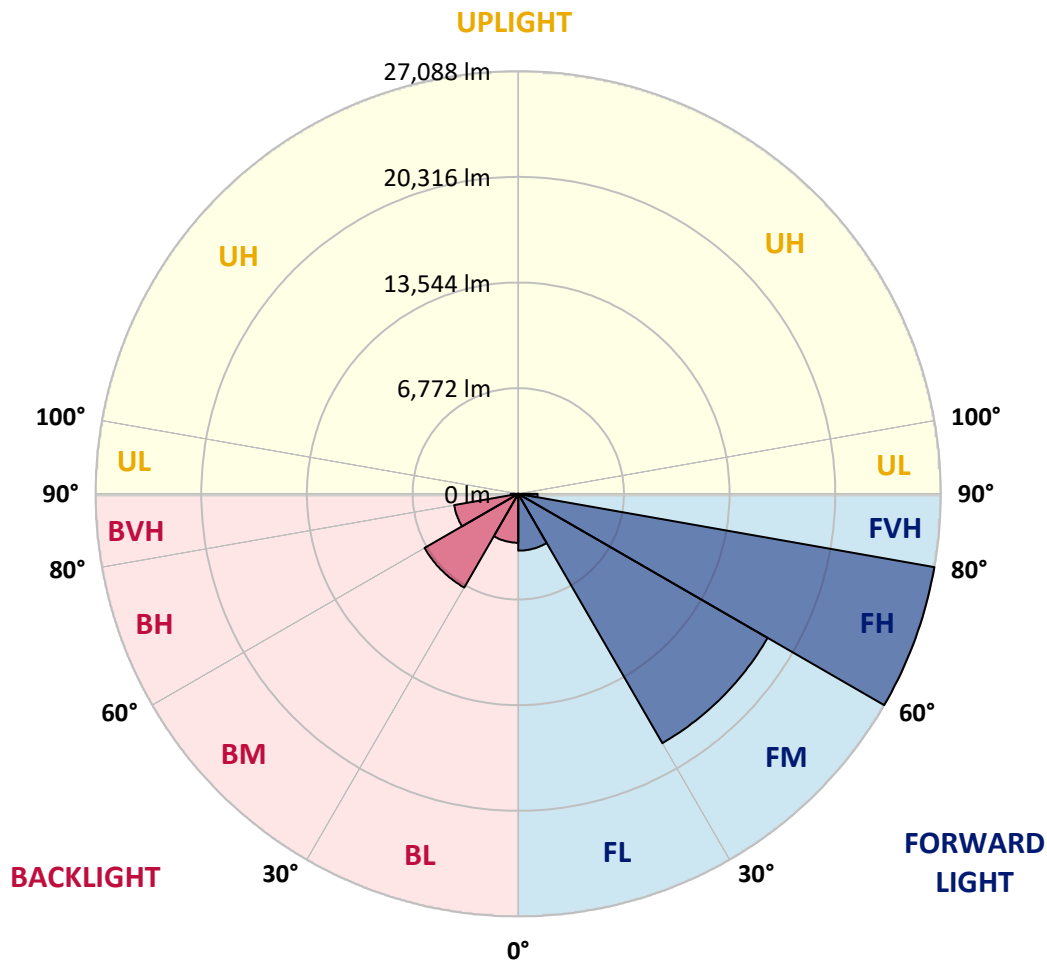


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 3643.7 | 5.6 | | | |
| FM (30°-60°) | 18456.1 | 28.3 | | | |
| FH (60°-80°) | 27088.1 | 41.6 | | | G5 |
| FVH (80°-90°) | 1240.0 | 1.9 | | | G5 |
| BL (0°-30°) | 3136.1 | 4.8 | B4/5000 | | |
| BM (30°-60°) | 6935.7 | 10.6 | B4/8500 | | |
| BH (60°-80°) | 4169.7 | 6.4 | B4/5000 | | G4/5000 |
| BVH (80°-90°) | 488.5 | 0.7 | | | 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° | 45° | 46° | 55° | 65° | 75° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 6573.2 | 6573.2 | 6573.2 | 6573.2 | 6573.2 | 6573.2 | 6573.2 | 6573.2 | 6573.2 | 6573.2 |
| 2.5° | 6830.6 | 6875.2 | 6834.0 | 6796.3 | 6779.1 | 6734.5 | 6731.1 | 6703.6 | 6686.4 | 6638.4 |
| 5° | 7307.7 | 7366.1 | 7297.4 | 7221.9 | 7153.3 | 7043.4 | 7029.7 | 6950.7 | 6861.5 | 6758.5 |
| 7.5° | 7846.6 | 7898.1 | 7819.2 | 7705.9 | 7585.8 | 7403.8 | 7400.4 | 7256.2 | 7115.5 | 6940.4 |
| 10° | 8316.9 | 8385.5 | 8279.1 | 8124.6 | 7973.6 | 7767.7 | 7743.6 | 7578.9 | 7400.4 | 7173.9 |
| 12.5° | 8732.2 | 8780.3 | 8677.3 | 8488.5 | 8313.4 | 8107.5 | 8076.6 | 7894.7 | 7695.6 | 7438.2 |
| 15° | 9061.7 | 9123.5 | 8986.2 | 8783.7 | 8598.3 | 8395.8 | 8368.4 | 8203.6 | 8004.5 | 7733.3 |
| 17.5° | 9278.0 | 9329.4 | 9188.7 | 8962.2 | 8783.7 | 8615.5 | 8594.9 | 8457.6 | 8282.5 | 8007.9 |
| 20° | 9360.3 | 9415.3 | 9267.7 | 9037.7 | 8872.9 | 8742.5 | 8732.2 | 8632.7 | 8512.5 | 8261.9 |
| 22.5° | 9442.7 | 9494.2 | 9302.0 | 9061.7 | 8917.5 | 8835.2 | 8831.7 | 8766.5 | 8718.5 | 8512.5 |
| 25° | 9775.7 | 9789.4 | 9532.0 | 9185.3 | 8979.3 | 8907.3 | 8903.8 | 8900.4 | 8921.0 | 8759.7 |
| 27.5° | 10064.0 | 10060.6 | 9840.9 | 9514.8 | 9195.6 | 9044.6 | 9041.1 | 9075.4 | 9140.7 | 9006.8 |
| 30° | 10486.2 | 10448.4 | 10187.6 | 9847.7 | 9556.0 | 9322.6 | 9302.0 | 9271.1 | 9322.6 | 9216.2 |
| 32.5° | 11382.1 | 11261.9 | 10839.7 | 10235.6 | 9854.6 | 9676.1 | 9648.7 | 9456.4 | 9477.0 | 9411.8 |
| 35° | 12665.8 | 12507.9 | 11945.0 | 10970.2 | 10225.3 | 9971.3 | 9957.6 | 9713.9 | 9672.7 | 9614.3 |
| 37.5° | 14193.3 | 13997.6 | 13342.0 | 12034.2 | 10863.8 | 10314.6 | 10294.0 | 10074.3 | 9906.1 | 9844.3 |
| 40° | 15727.6 | 15480.4 | 14938.1 | 13331.7 | 11804.3 | 10887.8 | 10822.6 | 10489.6 | 10297.4 | 10194.4 |
| 42.5° | 17217.3 | 17011.3 | 16547.9 | 14787.1 | 12964.4 | 11725.3 | 11581.1 | 11011.4 | 10867.2 | 10771.1 |
| 45° | 18535.3 | 18350.0 | 18010.2 | 16342.0 | 14323.7 | 12864.9 | 12724.2 | 11794.0 | 11749.3 | 11749.3 |
| 47.5° | 19606.3 | 19565.1 | 19204.7 | 17927.8 | 15926.6 | 14162.4 | 13918.7 | 12882.0 | 13002.2 | 13187.5 |
| 50° | 20793.9 | 20680.6 | 20296.2 | 19489.5 | 17811.1 | 15648.6 | 15449.5 | 14217.3 | 14666.9 | 15174.9 |
| 52.5° | 21885.4 | 21947.2 | 21518.1 | 21116.5 | 19939.2 | 17306.5 | 16956.4 | 15792.8 | 16764.2 | 17605.1 |
| 55° | 23007.8 | 23011.3 | 22891.1 | 22836.2 | 22170.3 | 19139.4 | 18755.0 | 17687.5 | 19232.1 | 20275.6 |
| 57.5° | 24061.6 | 24068.5 | 24246.9 | 24730.9 | 24758.4 | 21253.8 | 20817.9 | 20014.7 | 21974.7 | 23038.7 |
| 60° | 25002.1 | 25050.1 | 25537.6 | 26670.3 | 27034.1 | 23677.2 | 23265.3 | 22764.1 | 24809.9 | 25880.8 |
| 62.5° | 25317.9 | 25492.9 | 26577.6 | 28187.4 | 29282.4 | 26649.7 | 26244.6 | 25946.0 | 27789.3 | 28784.7 |
| 65° | 24782.4 | 25184.0 | 27281.2 | 29440.3 | 31595.9 | 30181.7 | 29780.1 | 29454.0 | 30885.3 | 31822.4 |
| 67.5° | 23467.8 | 23986.1 | 27240.1 | 30754.9 | 34403.6 | 34431.1 | 34056.9 | 33291.5 | 34204.5 | 34564.9 |
| 70° | 20004.4 | 20780.2 | 24840.8 | 31245.7 | 37626.7 | 40242.2 | 39881.8 | 37911.6 | 37516.9 | 35773.2 |
| 72.5° | 12888.9 | 13932.4 | 18291.6 | 27205.7 | 38344.1 | 45710.2 | 45689.6 | 42082.0 | 38563.8 | 33425.4 |
| 75° | 4702.5 | 5340.9 | 8498.8 | 17076.5 | 32186.2 | 45432.1 | 45566.0 | 41368.1 | 35203.4 | 25819.0 |
| 77.5° | 1712.8 | 1874.1 | 2773.4 | 6562.9 | 19795.0 | 36452.8 | 36730.8 | 33071.8 | 25057.0 | 12957.6 |
| 80° | 899.3 | 988.6 | 1421.0 | 2546.9 | 8481.6 | 21648.6 | 22084.5 | 19654.3 | 11776.8 | 3902.7 |
| 82.5° | 497.7 | 538.9 | 796.3 | 1383.3 | 3820.3 | 9257.4 | 9518.2 | 7764.2 | 4143.0 | 1654.4 |
| 85° | 267.7 | 284.9 | 374.1 | 755.1 | 1867.3 | 3209.4 | 3281.4 | 2320.3 | 1651.0 | 971.4 |
| 87.5° | 78.9 | 96.1 | 123.6 | 240.3 | 731.1 | 720.8 | 738.0 | 460.0 | 652.2 | 490.8 |
| 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° |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6573.2 | 0° | 6573.2 | 6573.2 | 6573.2 | 6573.2 | 6573.2 | 6573.2 | 6573.2 | 6573.2 | 6573.2 | 6573.2 |
| 6624.7 | 2.5° | 6604.1 | 6593.8 | 6556.0 | 6538.8 | 6518.3 | 6514.8 | 6532.0 | 6535.4 | 6538.8 | 6542.3 |
| 6700.2 | 5° | 6665.9 | 6631.5 | 6597.2 | 6576.6 | 6583.5 | 6586.9 | 6621.2 | 6645.3 | 6662.4 | 6676.1 |
| 6840.9 | 7.5° | 6786.0 | 6758.5 | 6700.2 | 6696.7 | 6707.0 | 6737.9 | 6782.6 | 6837.5 | 6868.4 | 6892.4 |
| 7022.8 | 10° | 6964.5 | 6913.0 | 6844.3 | 6854.6 | 6875.2 | 6919.9 | 7012.5 | 7057.2 | 7108.6 | 7153.3 |
| 7245.9 | 12.5° | 7146.4 | 7101.8 | 7022.8 | 7029.7 | 7064.0 | 7143.0 | 7232.2 | 7287.1 | 7321.5 | 7355.8 |
| 7486.2 | 15° | 7383.2 | 7304.3 | 7218.5 | 7218.5 | 7280.3 | 7366.1 | 7407.3 | 7451.9 | 7472.5 | 7510.2 |
| 7743.6 | 17.5° | 7626.9 | 7524.0 | 7410.7 | 7403.8 | 7479.3 | 7520.5 | 7544.6 | 7551.4 | 7558.3 | 7599.5 |
| 7994.2 | 20° | 7870.6 | 7757.4 | 7596.0 | 7582.3 | 7599.5 | 7592.6 | 7589.2 | 7582.3 | 7592.6 | 7644.1 |
| 8251.7 | 22.5° | 8110.9 | 7980.5 | 7757.4 | 7695.6 | 7647.5 | 7582.3 | 7578.9 | 7575.5 | 7582.3 | 7633.8 |
| 8529.7 | 25° | 8392.4 | 8234.5 | 7935.9 | 7750.5 | 7589.2 | 7499.9 | 7510.2 | 7513.7 | 7520.5 | 7561.7 |
| 8818.0 | 27.5° | 8697.9 | 8522.8 | 8100.6 | 7733.3 | 7441.6 | 7379.8 | 7362.6 | 7372.9 | 7397.0 | 7462.2 |
| 9106.3 | 30° | 9003.4 | 8797.4 | 8251.7 | 7664.7 | 7256.2 | 7170.4 | 7115.5 | 7139.5 | 7215.0 | 7280.3 |
| 9356.9 | 32.5° | 9281.4 | 9075.4 | 8371.8 | 7513.7 | 7019.4 | 6885.5 | 6813.4 | 6844.3 | 6919.9 | 6943.9 |
| 9634.9 | 35° | 9607.5 | 9374.1 | 8423.3 | 7273.4 | 6762.0 | 6556.0 | 6459.9 | 6415.3 | 6453.0 | 6429.0 |
| 9961.0 | 37.5° | 9971.3 | 9727.6 | 8416.4 | 6957.6 | 6459.9 | 6223.1 | 6089.2 | 5921.0 | 5842.1 | 5759.7 |
| 10441.6 | 40° | 10510.2 | 10160.1 | 8334.0 | 6576.6 | 6085.8 | 5869.5 | 5629.2 | 5344.4 | 5165.9 | 5004.5 |
| 11217.3 | 42.5° | 11244.8 | 10760.8 | 8183.0 | 6157.8 | 5663.6 | 5461.1 | 5135.0 | 4802.0 | 4520.6 | 4252.8 |
| 12394.6 | 45° | 12339.7 | 11546.8 | 7994.2 | 5711.6 | 5207.1 | 5008.0 | 4654.4 | 4280.3 | 3961.1 | 3617.8 |
| 14066.2 | 47.5° | 13918.7 | 12604.0 | 7815.7 | 5203.6 | 4726.5 | 4544.6 | 4225.4 | 3878.7 | 3501.1 | 3168.2 |
| 16482.7 | 50° | 16088.0 | 14121.2 | 7651.0 | 4709.3 | 4252.8 | 4115.5 | 3861.5 | 3508.0 | 3127.0 | 2859.2 |
| 19314.5 | 52.5° | 18847.7 | 16184.1 | 7582.3 | 4232.2 | 3810.0 | 3758.6 | 3556.0 | 3226.5 | 2866.1 | 2639.6 |
| 22616.5 | 55° | 22015.8 | 18652.0 | 7582.3 | 3775.7 | 3422.2 | 3439.3 | 3298.6 | 2993.1 | 2680.8 | 2478.2 |
| 26021.5 | 57.5° | 25249.2 | 21150.9 | 7445.0 | 3353.5 | 3092.7 | 3164.7 | 3075.5 | 2807.8 | 2526.3 | 2316.9 |
| 29601.6 | 60° | 28228.6 | 23244.7 | 6889.0 | 2969.1 | 2800.9 | 2914.2 | 2855.8 | 2625.8 | 2282.6 | 2107.5 |
| 32594.7 | 62.5° | 30518.1 | 24425.4 | 5818.0 | 2663.6 | 2560.6 | 2691.1 | 2660.2 | 2385.6 | 2238.0 | 2165.9 |
| 35052.4 | 65° | 31664.5 | 24233.2 | 4448.5 | 2392.4 | 2358.1 | 2560.6 | 2495.4 | 2485.1 | 2368.4 | 2286.0 |
| 35852.1 | 67.5° | 30960.9 | 22578.8 | 3226.5 | 2193.3 | 2241.4 | 2440.5 | 2691.1 | 2732.2 | 2516.0 | 2354.7 |
| 33600.4 | 70° | 27875.1 | 19585.7 | 2402.7 | 2004.6 | 2093.8 | 2443.9 | 3068.6 | 2859.2 | 2467.9 | 2279.2 |
| 26948.3 | 72.5° | 21205.8 | 14605.1 | 1863.8 | 1805.5 | 1901.6 | 2461.1 | 3236.8 | 2800.9 | 2330.6 | 2519.4 |
| 16788.2 | 75° | 12126.9 | 8018.2 | 1496.6 | 1561.8 | 1661.3 | 2299.8 | 3151.0 | 2649.9 | 2224.2 | 2313.5 |
| 6652.1 | 77.5° | 4623.5 | 3082.4 | 1235.7 | 1321.5 | 1335.2 | 2008.0 | 3013.7 | 2639.6 | 2117.8 | 2066.3 |
| 1994.3 | 80° | 1603.0 | 1204.8 | 1022.9 | 1050.3 | 1033.2 | 1784.9 | 2890.1 | 2296.3 | 1733.4 | 1551.5 |
| 823.8 | 82.5° | 655.6 | 600.7 | 810.1 | 775.7 | 734.5 | 1386.7 | 2334.1 | 1877.6 | 1417.6 | 1252.9 |
| 398.2 | 85° | 284.9 | 381.0 | 535.5 | 470.2 | 425.6 | 961.1 | 1870.7 | 1589.2 | 1197.9 | 1033.2 |
| 130.4 | 87.5° | 58.4 | 144.2 | 226.5 | 212.8 | 219.7 | 641.9 | 1328.4 | 1129.3 | 847.8 | 635.0 |
| 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° |
|--------|
| 6573.2 |
| 6556.0 |
| 6683.0 |
| 6899.3 |
| 7143.0 |
| 7369.5 |
| 7524.0 |
| 7613.2 |
| 7664.7 |
| 7668.1 |
| 7616.6 |
| 7527.4 |
| 7352.3 |
| 7029.7 |
| 6504.5 |
| 5811.2 |
| 5014.8 |
| 4228.8 |
| 3576.6 |
| 3130.4 |
| 2842.1 |
| 2622.4 |
| 2457.6 |
| 2282.6 |
| 2080.1 |
| 2141.9 |
| 2258.6 |
| 2327.2 |
| 2248.3 |
| 2498.8 |
| 2313.5 |
| 1884.4 |
| 1500.0 |
| 1239.1 |
| 1029.7 |
| 497.7 |
| 0.0 |

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