

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: P851648

Luminaire Tested: **GLAN-SB9D-722-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851648
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9D-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 72528 lumens
Efficiency: N/A
Efficacy: 110.2 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

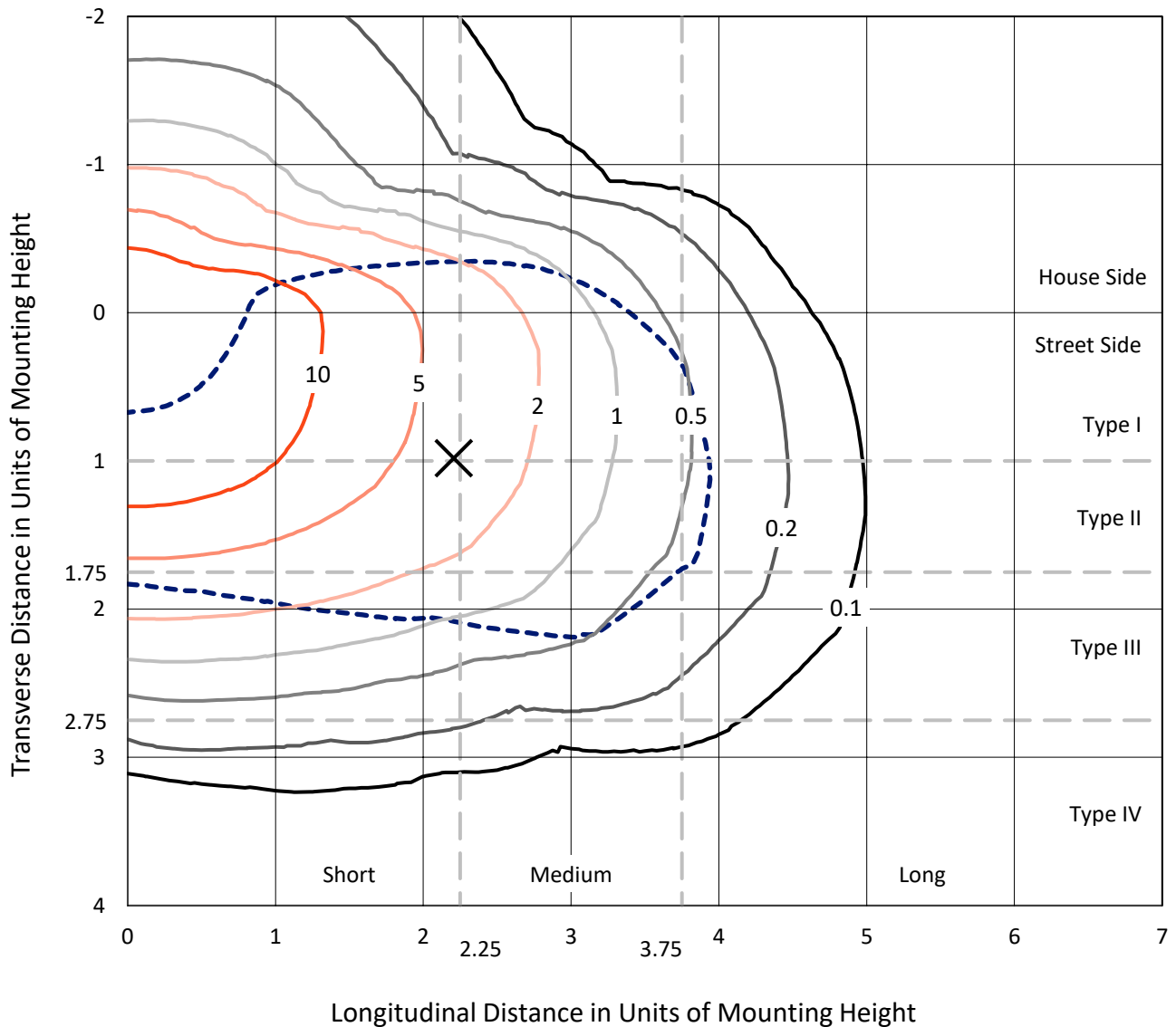
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

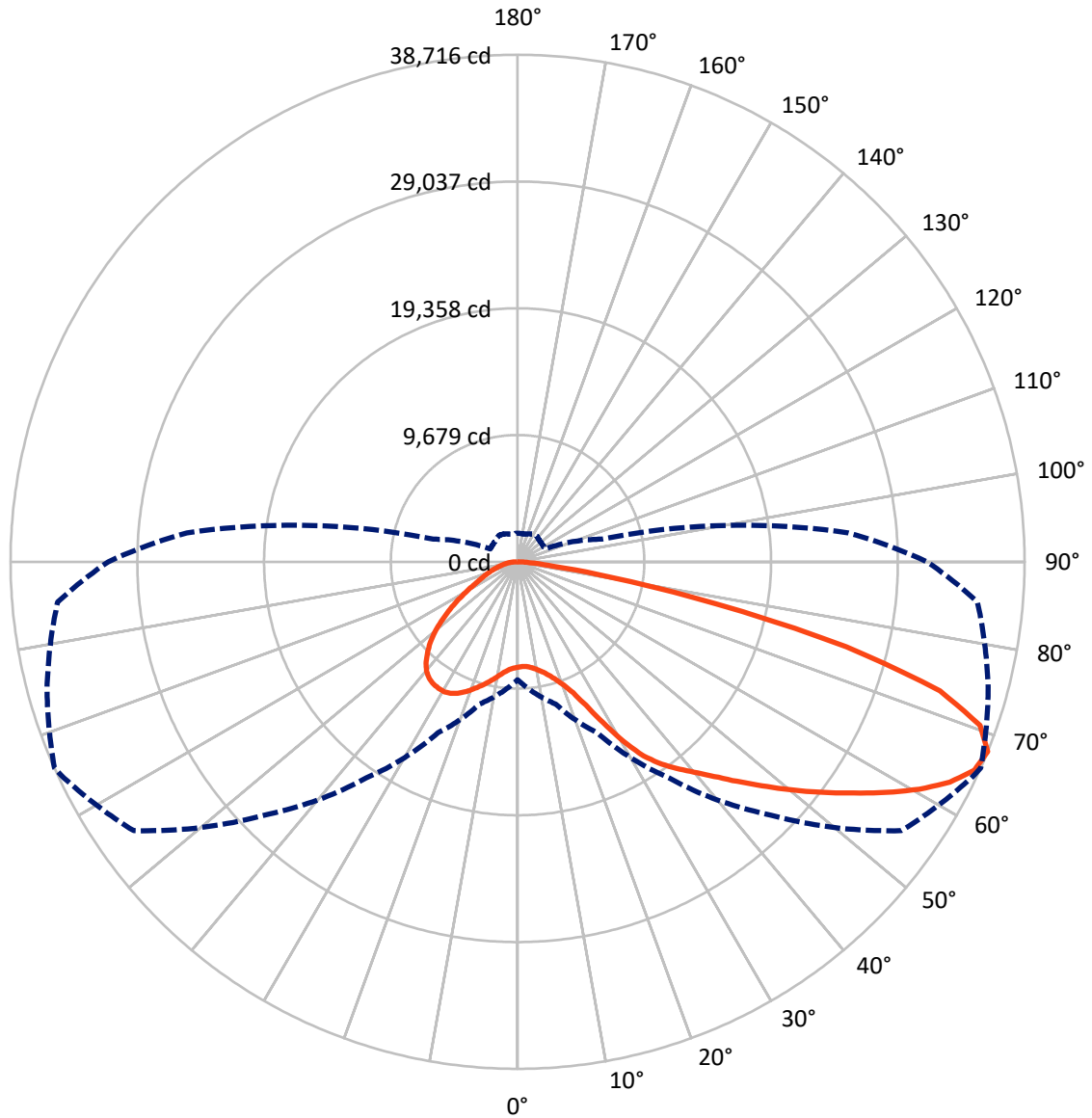
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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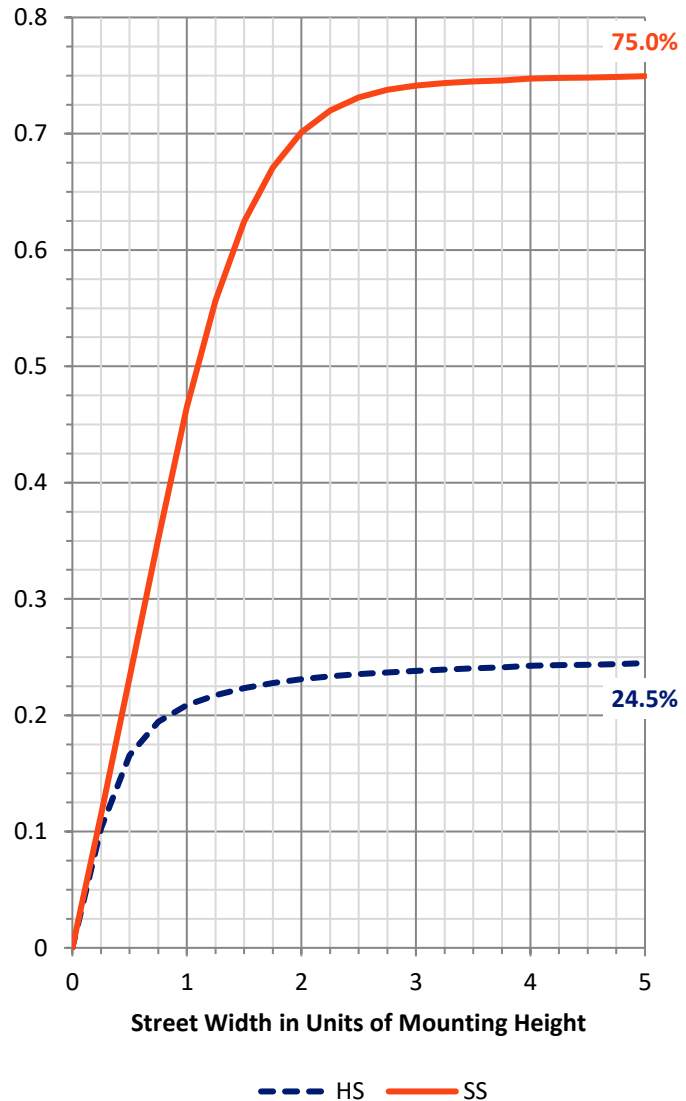
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 18033.9 | 0.0 | 18033.9 |
| | % Fixture | 24.9 | 0.0 | 24.9 |
| Street Side | Lumens | 54494.1 | 0.0 | 54494.1 |
| | % Fixture | 75.1 | 0.0 | 75.1 |
| Total | Lumens | 72528.0 | 0.0 | 72528.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 797.6 | 1.1 |
| 10°-20° | 2635.0 | 3.6 |
| 20°-30° | 5078.9 | 7.0 |
| 30°-40° | 8905.2 | 12.3 |
| 40°-50° | 13239.1 | 18.3 |
| 50°-60° | 16781.8 | 23.1 |
| 60°-70° | 16420.6 | 22.6 |
| 70°-80° | 7832.8 | 10.8 |
| 80°-90° | 837.1 | 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° | 72528.0 | 100.0 |
| 0°-180° | 72528.0 | 100.0 |

Coefficient of Utilization

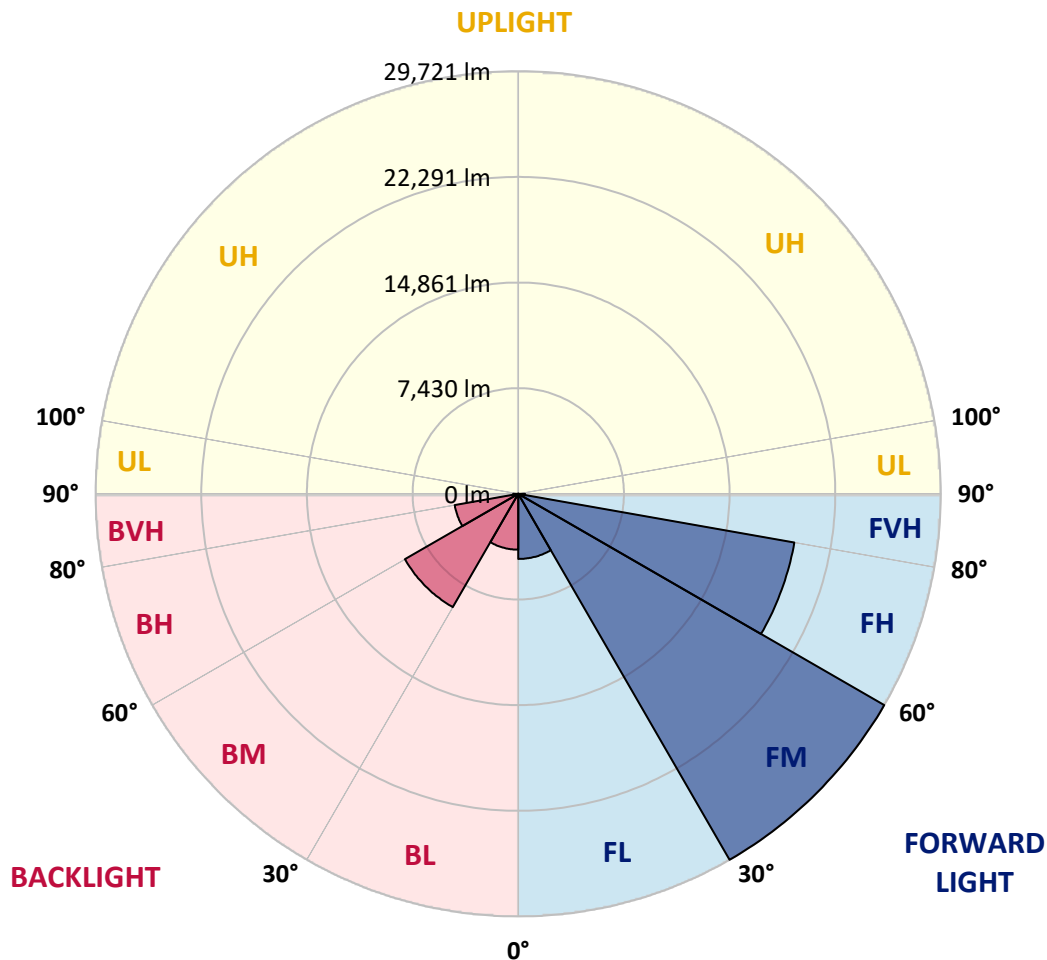


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 4583.0 | 6.3 | | | |
| FM (30°-60°) | 29721.4 | 41.0 | | | |
| FH (60°-80°) | 19715.1 | 27.2 | | | G5 |
| FVH (80°-90°) | 474.6 | 0.7 | | | G3/500 |
| BL (0°-30°) | 3928.4 | 5.4 | B4/5000 | | |
| BM (30°-60°) | 9204.7 | 12.7 | B5 | | |
| BH (60°-80°) | 4538.3 | 6.3 | B4/5000 | | G4/5000 |
| BVH (80°-90°) | 362.5 | 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° | 8044.3 | 8044.3 | 8044.3 | 8044.3 | 8044.3 | 8044.3 | 8044.3 | 8044.3 | 8044.3 | 8044.3 |
| 2.5° | 7960.5 | 8006.2 | 7994.8 | 7975.7 | 7971.9 | 7979.5 | 7991.0 | 8002.4 | 7998.6 | 8017.6 |
| 5° | 7937.6 | 7983.3 | 7979.5 | 7979.5 | 7994.8 | 8025.3 | 8044.3 | 8063.4 | 8044.3 | 8067.2 |
| 7.5° | 7952.9 | 7987.2 | 8002.4 | 8017.6 | 8055.7 | 8112.9 | 8158.6 | 8200.6 | 8177.7 | 8204.4 |
| 10° | 8147.2 | 8173.9 | 8189.1 | 8189.1 | 8215.8 | 8280.6 | 8326.3 | 8402.5 | 8383.5 | 8425.4 |
| 12.5° | 8501.6 | 8528.3 | 8528.3 | 8513.0 | 8532.1 | 8574.0 | 8589.2 | 8673.1 | 8638.8 | 8707.4 |
| 15° | 8936.0 | 8989.4 | 8947.4 | 8920.8 | 8928.4 | 8970.3 | 8966.5 | 9031.3 | 8997.0 | 9054.1 |
| 17.5° | 9416.2 | 9484.7 | 9416.2 | 9412.3 | 9397.1 | 9442.8 | 9446.6 | 9503.8 | 9442.8 | 9484.7 |
| 20° | 9983.9 | 10079.2 | 10022.0 | 10041.1 | 10006.8 | 10025.9 | 10044.9 | 10128.7 | 10033.5 | 10064.0 |
| 22.5° | 10784.2 | 10898.5 | 10837.5 | 10909.9 | 10887.1 | 10871.8 | 10868.0 | 11016.6 | 10868.0 | 10879.4 |
| 25° | 11950.2 | 12087.4 | 11980.7 | 12079.8 | 12079.8 | 12129.3 | 12186.5 | 12377.0 | 12129.3 | 12056.9 |
| 27.5° | 13672.7 | 13809.8 | 13600.3 | 13661.2 | 13642.2 | 13764.1 | 13703.2 | 14175.7 | 13908.9 | 13790.8 |
| 30° | 15745.7 | 15989.6 | 15593.2 | 15578.0 | 15558.9 | 15753.3 | 15840.9 | 16153.4 | 15882.9 | 15764.7 |
| 32.5° | 17986.3 | 18241.7 | 17769.1 | 17631.9 | 17559.5 | 17677.7 | 17605.3 | 17856.8 | 17670.1 | 17487.1 |
| 35° | 20356.6 | 20608.1 | 20158.4 | 19891.7 | 19602.1 | 19354.4 | 19095.2 | 19160.0 | 18984.7 | 18706.6 |
| 37.5° | 22597.2 | 23058.3 | 22582.0 | 22296.2 | 21762.7 | 21278.8 | 20554.7 | 20253.7 | 20089.8 | 19834.5 |
| 40° | 24879.8 | 25142.8 | 24780.8 | 24536.9 | 23957.7 | 23199.3 | 22040.9 | 21404.5 | 21183.5 | 20935.8 |
| 42.5° | 26560.3 | 26811.8 | 26617.5 | 26449.8 | 25996.4 | 25116.1 | 23618.5 | 22822.1 | 22502.0 | 22223.8 |
| 45° | 27894.1 | 28080.8 | 27958.8 | 28019.8 | 27825.5 | 26971.9 | 25253.3 | 24342.5 | 24011.0 | 23671.9 |
| 47.5° | 28431.4 | 28629.5 | 28823.9 | 29185.9 | 29517.4 | 28888.7 | 27010.0 | 25988.7 | 25638.2 | 25291.4 |
| 50° | 28370.4 | 28572.4 | 29136.3 | 29906.1 | 30935.0 | 30725.4 | 28862.0 | 27741.6 | 27417.7 | 27021.4 |
| 52.5° | 27882.6 | 28111.3 | 28835.3 | 30115.7 | 31754.3 | 32101.0 | 30748.3 | 29551.7 | 29246.9 | 28774.3 |
| 55° | 26602.3 | 26739.4 | 27825.5 | 29639.4 | 31948.6 | 33061.3 | 32596.4 | 31479.9 | 31175.0 | 30515.8 |
| 57.5° | 24228.2 | 24426.4 | 26007.8 | 28355.2 | 31460.8 | 33713.0 | 34219.8 | 33507.2 | 33213.8 | 32264.9 |
| 60° | 21130.1 | 21446.4 | 23256.5 | 26198.3 | 30218.6 | 33709.1 | 35694.5 | 35500.2 | 35256.3 | 33987.3 |
| 62.5° | 17624.3 | 17990.1 | 19731.6 | 23149.8 | 28046.5 | 32752.7 | 36616.7 | 37169.2 | 37043.5 | 35576.4 |
| 65° | 13535.5 | 13787.0 | 15520.8 | 19205.8 | 24666.4 | 30698.7 | 36723.4 | 38308.6 | 38331.5 | 36784.3 |
| 67.5° | 9012.2 | 9736.2 | 11241.5 | 14411.9 | 20139.4 | 27341.5 | 35786.0 | 38495.3 | 38716.4 | 37199.7 |
| 70° | 4397.5 | 5350.2 | 6824.9 | 9366.6 | 14411.9 | 22193.3 | 33335.7 | 36963.4 | 37455.0 | 35987.9 |
| 72.5° | 1825.3 | 2134.0 | 2938.0 | 4622.3 | 8273.0 | 14975.9 | 28412.3 | 32809.8 | 33720.6 | 31887.6 |
| 75° | 1230.8 | 1333.7 | 1680.5 | 2370.2 | 3768.7 | 7385.1 | 20489.9 | 24464.5 | 25931.6 | 24083.4 |
| 77.5° | 948.9 | 1013.6 | 1223.2 | 1657.6 | 2240.7 | 2793.2 | 10967.1 | 14743.5 | 15501.8 | 14351.0 |
| 80° | 746.9 | 796.4 | 914.6 | 1208.0 | 1589.0 | 1493.8 | 3738.3 | 6680.1 | 7118.3 | 5971.3 |
| 82.5° | 647.8 | 666.9 | 655.4 | 819.3 | 1055.6 | 872.6 | 1227.0 | 2465.5 | 2720.8 | 1973.9 |
| 85° | 468.7 | 522.1 | 544.9 | 506.8 | 560.2 | 442.0 | 503.0 | 872.6 | 960.3 | 857.4 |
| 87.5° | 190.5 | 282.0 | 346.8 | 327.7 | 205.8 | 125.8 | 156.2 | 255.3 | 293.4 | 320.1 |
| 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° |
|---------|-------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|
| 8044.3 | 0° | 8044.3 | 8044.3 | 8044.3 | 8044.3 | 8044.3 | 8044.3 | 8044.3 | 8044.3 | 8044.3 | 8044.3 |
| 8048.1 | 2.5° | 8051.9 | 8078.6 | 8097.7 | 8120.5 | 8135.8 | 8158.6 | 8204.4 | 8231.0 | 8234.8 | 8253.9 |
| 8109.1 | 5° | 8124.3 | 8162.4 | 8204.4 | 8265.3 | 8333.9 | 8391.1 | 8478.7 | 8539.7 | 8562.6 | 8581.6 |
| 8257.7 | 7.5° | 8280.6 | 8333.9 | 8410.1 | 8516.8 | 8615.9 | 8692.1 | 8798.8 | 8871.2 | 8943.6 | 8970.3 |
| 8494.0 | 10° | 8513.0 | 8589.2 | 8699.7 | 8844.6 | 8951.3 | 9050.3 | 9160.8 | 9221.8 | 9294.2 | 9324.7 |
| 8776.0 | 12.5° | 8802.6 | 8882.7 | 9027.5 | 9229.4 | 9328.5 | 9397.1 | 9435.2 | 9420.0 | 9435.2 | 9461.9 |
| 9115.1 | 15° | 9134.2 | 9221.8 | 9385.7 | 9602.9 | 9671.5 | 9610.5 | 9526.7 | 9450.4 | 9439.0 | 9446.6 |
| 9526.7 | 17.5° | 9526.7 | 9591.4 | 9782.0 | 9964.9 | 9915.4 | 9663.8 | 9480.9 | 9359.0 | 9298.0 | 9279.0 |
| 10052.5 | 20° | 10075.4 | 10075.4 | 10231.6 | 10346.0 | 10014.4 | 9587.6 | 9301.8 | 9103.7 | 8977.9 | 8924.6 |
| 10768.9 | 22.5° | 10742.3 | 10681.3 | 10780.4 | 10700.3 | 9995.4 | 9374.2 | 8977.9 | 8635.0 | 8444.4 | 8368.2 |
| 11771.1 | 25° | 11588.2 | 11515.8 | 11489.2 | 10993.8 | 9858.2 | 9035.1 | 8391.1 | 7975.7 | 7808.1 | 7766.1 |
| 13215.4 | 27.5° | 12864.8 | 12681.9 | 12335.1 | 11153.8 | 9606.7 | 8501.6 | 7705.2 | 7320.3 | 7225.0 | 7228.8 |
| 15071.2 | 30° | 14564.4 | 14198.5 | 13348.8 | 11180.5 | 9195.1 | 7747.1 | 7004.0 | 6729.6 | 6683.9 | 6703.0 |
| 16629.7 | 32.5° | 16138.2 | 15791.4 | 14385.3 | 11058.5 | 8562.6 | 7007.8 | 6375.2 | 6192.3 | 6123.7 | 6146.6 |
| 17818.7 | 35° | 17372.8 | 17277.6 | 15345.5 | 10887.1 | 7785.2 | 6314.3 | 5811.3 | 5655.0 | 5521.7 | 5491.2 |
| 18939.0 | 37.5° | 18538.9 | 18500.8 | 16065.8 | 10647.0 | 7015.4 | 5822.7 | 5357.8 | 5152.0 | 4957.7 | 4851.0 |
| 20177.5 | 40° | 19819.3 | 19781.2 | 16538.3 | 10277.4 | 6333.3 | 5395.9 | 4950.1 | 4679.5 | 4439.4 | 4245.1 |
| 21579.8 | 42.5° | 21259.7 | 21034.9 | 16763.1 | 9747.7 | 5754.1 | 5033.9 | 4618.5 | 4252.7 | 3936.4 | 3757.3 |
| 23165.0 | 45° | 22833.5 | 22326.7 | 16759.3 | 9073.2 | 5266.3 | 4702.4 | 4264.1 | 3745.9 | 3452.5 | 3284.8 |
| 24792.2 | 47.5° | 24502.6 | 23561.3 | 16553.5 | 8326.3 | 4793.8 | 4336.5 | 3715.4 | 3319.1 | 3124.7 | 3021.9 |
| 26560.3 | 50° | 26225.0 | 24716.0 | 16202.9 | 7468.9 | 4309.9 | 3921.2 | 3372.4 | 3101.9 | 2953.3 | 2858.0 |
| 28313.2 | 52.5° | 27844.5 | 25763.9 | 15780.0 | 6497.2 | 3818.3 | 3517.2 | 3220.0 | 3010.4 | 2854.2 | 2747.5 |
| 30012.8 | 55° | 29349.7 | 26667.0 | 15181.7 | 5502.6 | 3418.2 | 3246.7 | 3147.6 | 2972.3 | 2793.2 | 2667.5 |
| 31739.0 | 57.5° | 30687.3 | 27253.9 | 14149.0 | 4569.0 | 3132.4 | 3060.0 | 3071.4 | 2907.5 | 2701.8 | 2595.1 |
| 33438.6 | 60° | 31800.0 | 27684.5 | 12620.9 | 3704.0 | 2899.9 | 2877.1 | 2953.3 | 2785.6 | 2545.5 | 2423.6 |
| 34875.2 | 62.5° | 32466.9 | 27676.9 | 10746.1 | 3033.3 | 2701.8 | 2709.4 | 2797.0 | 2633.2 | 2389.3 | 2275.0 |
| 35625.9 | 65° | 32409.7 | 26998.6 | 8688.3 | 2595.1 | 2511.2 | 2518.8 | 2633.2 | 2465.5 | 2259.7 | 2191.1 |
| 35248.7 | 67.5° | 31262.7 | 25344.7 | 6664.9 | 2309.3 | 2301.6 | 2335.9 | 2469.3 | 2351.2 | 2179.7 | 2172.1 |
| 33000.4 | 70° | 28157.0 | 21911.3 | 4801.4 | 2080.6 | 2084.4 | 2134.0 | 2309.3 | 2278.8 | 2137.8 | 2153.0 |
| 27745.5 | 72.5° | 22578.2 | 16706.0 | 3223.8 | 1840.6 | 1844.4 | 1924.4 | 2156.8 | 2221.6 | 2095.9 | 2297.8 |
| 19685.9 | 75° | 15036.9 | 10418.4 | 2073.0 | 1585.2 | 1589.0 | 1691.9 | 2023.5 | 2111.1 | 1981.5 | 2290.2 |
| 10243.1 | 77.5° | 7225.0 | 4683.3 | 1501.4 | 1333.7 | 1333.7 | 1429.0 | 1749.1 | 1890.1 | 1688.1 | 1779.6 |
| 3292.4 | 80° | 2496.0 | 1760.5 | 1181.3 | 1074.6 | 1051.7 | 1116.5 | 1474.7 | 1638.6 | 1455.7 | 1341.4 |
| 1074.6 | 82.5° | 983.2 | 914.6 | 948.9 | 834.5 | 758.3 | 800.2 | 1147.0 | 1352.8 | 1070.8 | 967.9 |
| 605.9 | 85° | 564.0 | 594.5 | 670.7 | 552.5 | 438.2 | 491.6 | 842.2 | 971.7 | 807.9 | 712.6 |
| 198.2 | 87.5° | 152.4 | 209.6 | 308.7 | 285.8 | 198.2 | 209.6 | 400.1 | 537.3 | 464.9 | 358.2 |
| 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° |
|--------|
| 8044.3 |
| 8250.1 |
| 8577.8 |
| 8974.1 |
| 9339.9 |
| 9469.5 |
| 9473.3 |
| 9305.6 |
| 8913.1 |
| 8356.8 |
| 7773.8 |
| 7240.3 |
| 6767.7 |
| 6177.1 |
| 5514.0 |
| 4854.8 |
| 4264.1 |
| 3768.7 |
| 3277.2 |
| 2999.0 |
| 2823.7 |
| 2701.8 |
| 2617.9 |
| 2526.5 |
| 2370.2 |
| 2240.7 |
| 2187.3 |
| 2183.5 |
| 2149.2 |
| 2328.3 |
| 2309.3 |
| 1631.0 |
| 1257.5 |
| 964.1 |
| 727.8 |
| 369.6 |
| 0.0 |

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