

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: P850923

Luminaire Tested: **GLAN-SB8C-930-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850923
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8C-930-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40499 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

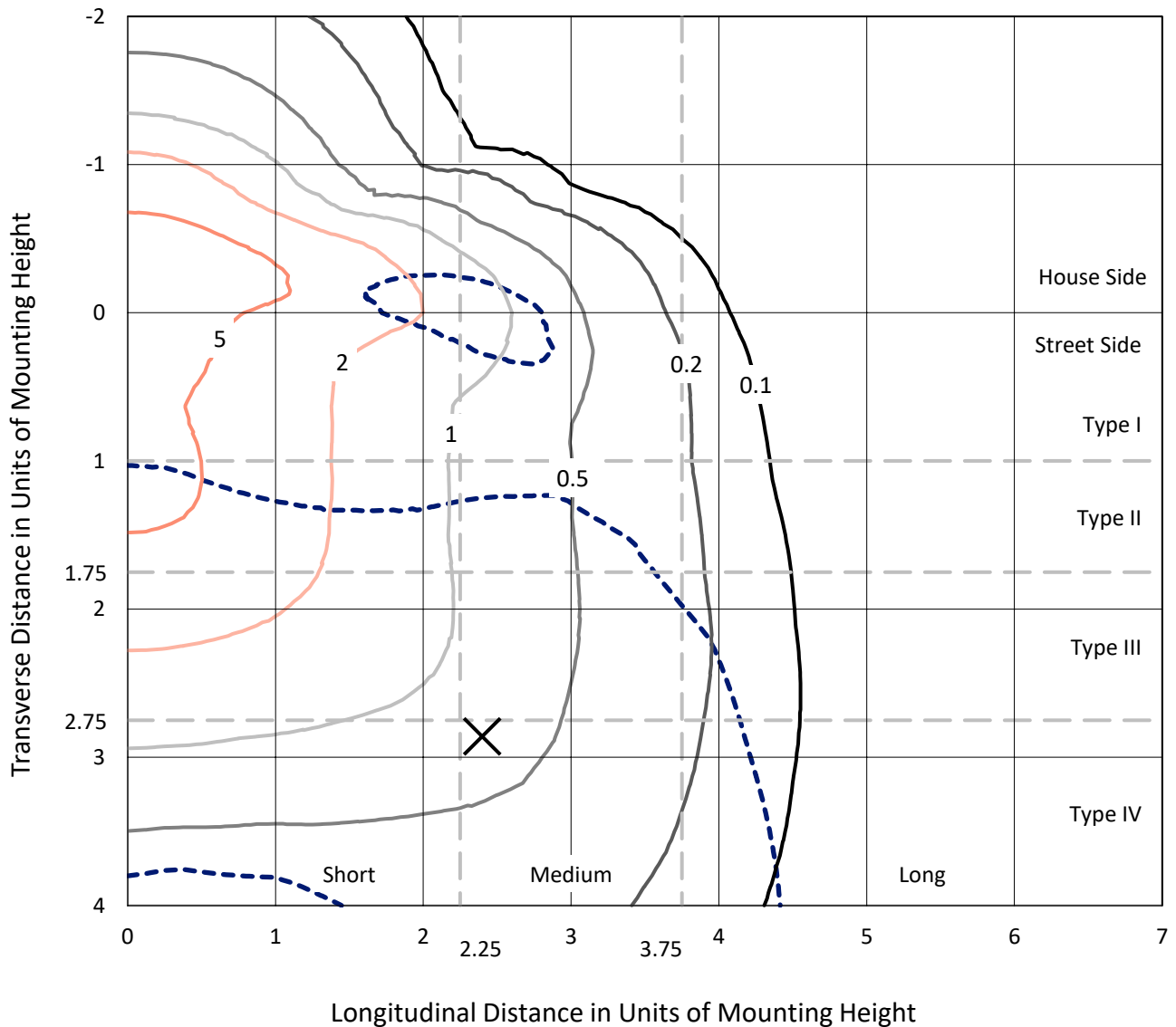
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

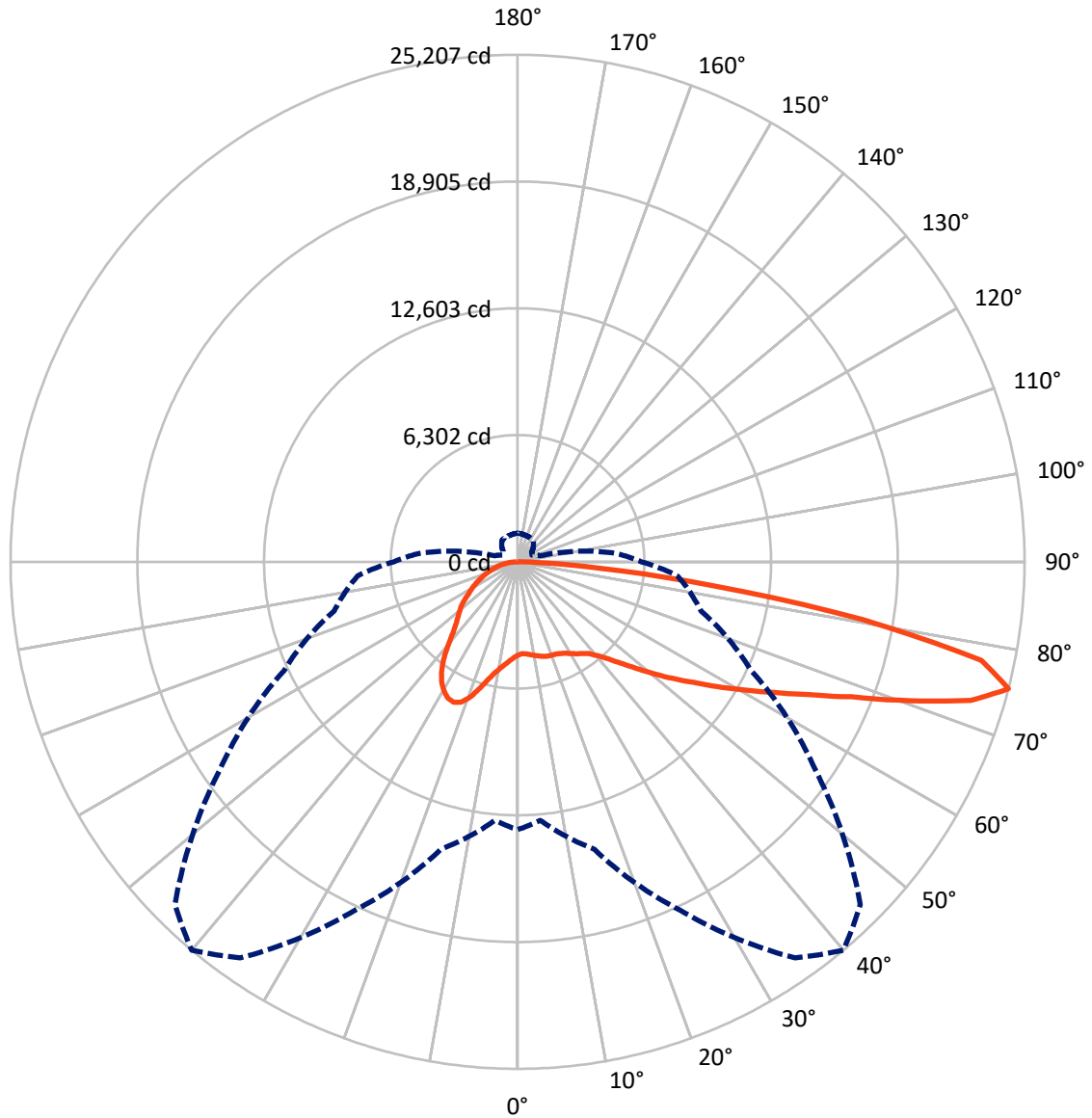
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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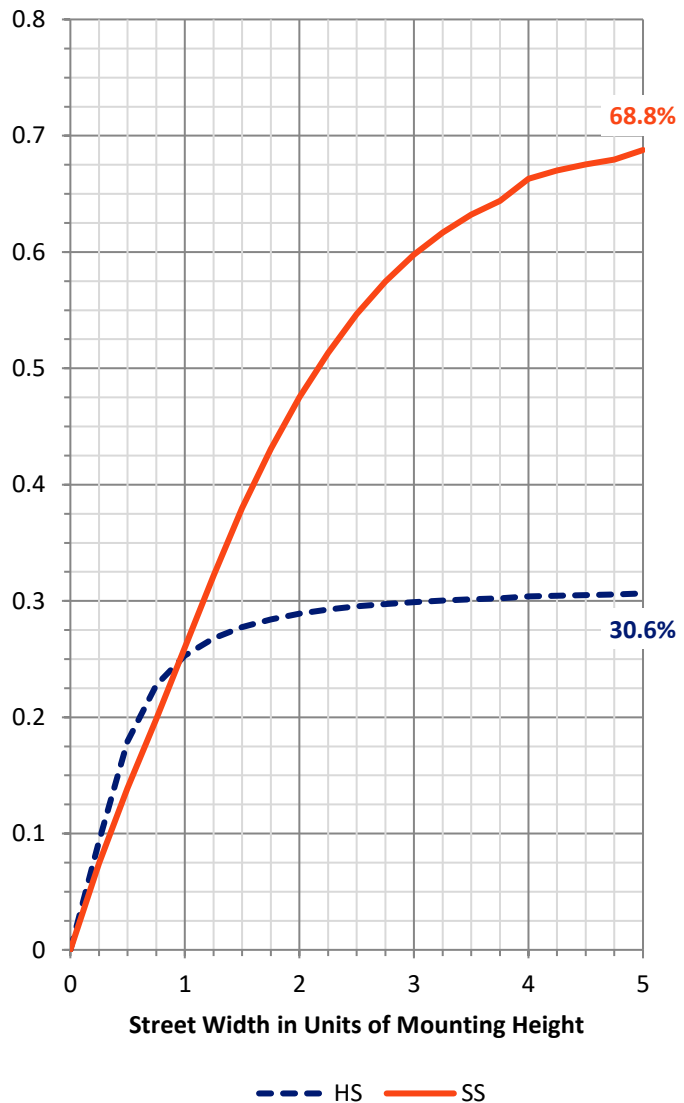
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 12547.9 | 0.0 | 12547.9 |
| | % Fixture | 31.0 | 0.0 | 31.0 |
| Street Side | Lumens | 27951.1 | 0.0 | 27951.1 |
| | % Fixture | 69.0 | 0.0 | 69.0 |
| Total | Lumens | 40499.0 | 0.0 | 40499.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 462.3 | 1.1 |
| 10°-20° | 1552.1 | 3.8 |
| 20°-30° | 2833.9 | 7.0 |
| 30°-40° | 4019.3 | 9.9 |
| 40°-50° | 5427.3 | 13.4 |
| 50°-60° | 7301.1 | 18.0 |
| 60°-70° | 9266.8 | 22.9 |
| 70°-80° | 8410.2 | 20.8 |
| 80°-90° | 1225.9 | 3.0 |
| 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° | 40499.0 | 100.0 |
| 0°-180° | 40499.0 | 100.0 |

Coefficient of Utilization

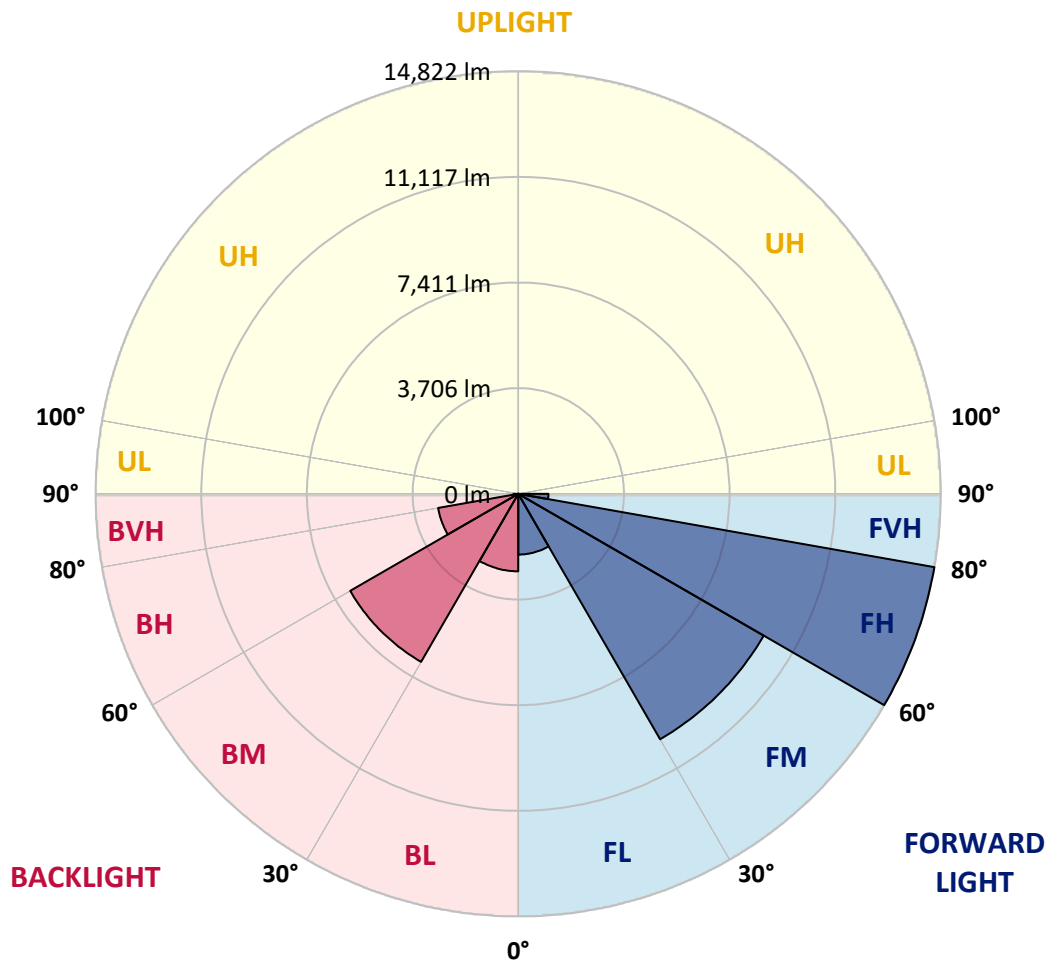


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2130.3 | 5.3 | | | |
| FM (30°-60°) | 9941.6 | 24.5 | | | |
| FH (60°-80°) | 14822.0 | 36.6 | | | G5 |
| FVH (80°-90°) | 1057.2 | 2.6 | | | G5 |
| BL (0°-30°) | 2718.0 | 6.7 | B4/5000 | | |
| BM (30°-60°) | 6806.1 | 16.8 | B4/8500 | | |
| BH (60°-80°) | 2855.0 | 7.0 | B4/5000 | | G4/5000 |
| BVH (80°-90°) | 168.8 | 0.4 | | | G2/225 |
| 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 Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 40° | 45° | 55° | 65° | 75° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 4631.1 | 4631.1 | 4631.1 | 4631.1 | 4631.1 | 4631.1 | 4631.1 | 4631.1 | 4631.1 | 4631.1 |
| 2.5° | 4560.2 | 4586.0 | 4579.6 | 4571.0 | 4571.0 | 4573.1 | 4571.0 | 4586.0 | 4601.0 | 4616.1 |
| 5° | 4607.5 | 4633.3 | 4620.4 | 4609.6 | 4601.0 | 4598.9 | 4592.5 | 4590.3 | 4598.9 | 4618.2 |
| 7.5° | 4699.9 | 4725.6 | 4706.3 | 4687.0 | 4669.8 | 4661.2 | 4652.6 | 4639.7 | 4633.3 | 4644.0 |
| 10° | 4803.0 | 4828.7 | 4805.1 | 4770.7 | 4742.8 | 4732.1 | 4723.5 | 4710.6 | 4702.0 | 4708.4 |
| 12.5° | 4906.1 | 4931.8 | 4899.6 | 4852.4 | 4815.8 | 4809.4 | 4798.7 | 4794.4 | 4792.2 | 4790.1 |
| 15° | 5002.7 | 5024.2 | 4983.4 | 4927.5 | 4888.9 | 4878.1 | 4867.4 | 4873.8 | 4884.6 | 4897.5 |
| 17.5° | 5077.9 | 5099.4 | 5039.2 | 4966.2 | 4929.7 | 4925.4 | 4918.9 | 4940.4 | 4970.5 | 5002.7 |
| 20° | 5146.6 | 5168.1 | 5090.8 | 4992.0 | 4949.0 | 4949.0 | 4951.2 | 4996.3 | 5039.2 | 5086.5 |
| 22.5° | 5243.3 | 5260.5 | 5166.0 | 5030.6 | 4968.4 | 4972.6 | 4989.8 | 5034.9 | 5088.6 | 5153.1 |
| 25° | 5387.2 | 5400.1 | 5284.1 | 5103.7 | 5032.8 | 5045.7 | 5060.7 | 5082.2 | 5133.7 | 5208.9 |
| 27.5° | 5619.2 | 5629.9 | 5477.4 | 5232.6 | 5125.2 | 5146.6 | 5168.1 | 5153.1 | 5176.7 | 5241.2 |
| 30° | 5945.7 | 5952.1 | 5758.8 | 5434.5 | 5282.0 | 5292.7 | 5297.0 | 5234.7 | 5189.6 | 5241.2 |
| 32.5° | 6332.3 | 6330.2 | 6100.4 | 5679.3 | 5460.2 | 5449.5 | 5413.0 | 5290.6 | 5185.3 | 5230.4 |
| 35° | 6931.6 | 6908.0 | 6611.6 | 6023.0 | 5662.2 | 5595.6 | 5509.7 | 5352.8 | 5206.8 | 5219.7 |
| 37.5° | 7924.0 | 7851.0 | 7440.7 | 6585.8 | 5962.9 | 5793.2 | 5666.5 | 5453.8 | 5254.0 | 5215.4 |
| 40° | 9043.1 | 8950.8 | 8499.7 | 7356.9 | 6414.0 | 6141.2 | 5937.1 | 5597.7 | 5331.4 | 5234.7 |
| 42.5° | 10370.6 | 10239.6 | 9754.1 | 8265.6 | 6985.3 | 6590.1 | 6282.9 | 5780.3 | 5445.2 | 5297.0 |
| 45° | 12000.9 | 11827.0 | 11139.6 | 9290.2 | 7704.9 | 7178.7 | 6768.4 | 6057.4 | 5619.2 | 5417.3 |
| 47.5° | 13648.5 | 13691.4 | 12714.1 | 10463.0 | 8568.4 | 7904.7 | 7376.3 | 6474.1 | 5872.7 | 5610.6 |
| 50° | 15399.1 | 15429.2 | 14280.0 | 11762.5 | 9547.9 | 8725.2 | 8059.3 | 6940.2 | 6224.9 | 5885.6 |
| 52.5° | 16765.2 | 16769.5 | 15702.0 | 13122.2 | 10568.2 | 9627.4 | 8796.1 | 7472.9 | 6633.1 | 6250.7 |
| 55° | 17620.1 | 17609.4 | 16698.6 | 14408.9 | 11741.0 | 10574.7 | 9612.4 | 8078.7 | 7131.4 | 6680.3 |
| 57.5° | 18240.9 | 18208.7 | 17386.0 | 15515.1 | 12991.2 | 11693.8 | 10536.0 | 8766.0 | 7720.0 | 7191.5 |
| 60° | 18477.2 | 18457.9 | 17852.1 | 16471.0 | 14305.8 | 12931.0 | 11601.4 | 9535.0 | 8388.0 | 7795.1 |
| 62.5° | 18567.4 | 18603.9 | 18309.7 | 17396.8 | 15712.7 | 14301.5 | 12772.1 | 10454.4 | 9139.8 | 8478.2 |
| 65° | 18885.3 | 18951.9 | 18891.8 | 18608.2 | 17302.2 | 15906.0 | 14325.1 | 11547.7 | 9960.3 | 9210.7 |
| 67.5° | 19514.7 | 19581.3 | 19607.1 | 20058.1 | 19244.0 | 17905.8 | 16262.6 | 12909.6 | 10920.5 | 9971.1 |
| 70° | 19499.7 | 19480.3 | 19935.7 | 21211.6 | 21675.6 | 20674.6 | 18874.6 | 14585.0 | 12065.4 | 10602.6 |
| 72.5° | 17749.0 | 17594.4 | 18670.5 | 21198.7 | 23699.0 | 23565.8 | 22064.4 | 16745.9 | 13053.5 | 10679.9 |
| 75° | 13315.5 | 12903.1 | 14804.1 | 19104.4 | 24036.3 | 25206.9 | 24092.1 | 18086.3 | 12819.3 | 9436.2 |
| 77.5° | 5694.4 | 5279.8 | 7520.2 | 14142.5 | 21512.3 | 23563.7 | 22231.9 | 15779.3 | 10233.1 | 6240.0 |
| 80° | 1490.7 | 1488.6 | 2272.6 | 6411.8 | 14630.1 | 17401.0 | 15265.9 | 10190.2 | 5846.9 | 2229.6 |
| 82.5° | 616.5 | 601.4 | 835.6 | 2493.8 | 7148.6 | 9764.9 | 7969.1 | 4545.2 | 2111.5 | 603.6 |
| 85° | 229.8 | 227.7 | 406.0 | 861.4 | 2521.8 | 4027.5 | 2914.9 | 1162.1 | 526.3 | 294.3 |
| 87.5° | 64.4 | 62.3 | 88.1 | 298.6 | 614.3 | 932.2 | 498.3 | 191.2 | 148.2 | 116.0 |
| 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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CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|---------|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| 4631.1 | 0° | 4631.1 | 4631.1 | 4631.1 | 4631.1 | 4631.1 | 4631.1 | 4631.1 | 4631.1 | 4631.1 | 4631.1 |
| 4639.7 | 2.5° | 4646.2 | 4656.9 | 4676.2 | 4691.3 | 4710.6 | 4732.1 | 4762.1 | 4781.5 | 4800.8 | 4813.7 |
| 4650.4 | 5° | 4665.5 | 4689.1 | 4738.5 | 4787.9 | 4845.9 | 4899.6 | 4961.9 | 5007.0 | 5043.5 | 5054.3 |
| 4689.1 | 7.5° | 4708.4 | 4747.1 | 4830.9 | 4914.7 | 5007.0 | 5095.1 | 5185.3 | 5262.6 | 5324.9 | 5348.6 |
| 4757.8 | 10° | 4783.6 | 4835.2 | 4953.3 | 5071.5 | 5193.9 | 5329.2 | 5445.2 | 5556.9 | 5645.0 | 5681.5 |
| 4839.5 | 12.5° | 4878.1 | 4942.6 | 5097.2 | 5260.5 | 5430.2 | 5617.1 | 5767.4 | 5904.9 | 6014.4 | 6063.8 |
| 4953.3 | 15° | 5000.6 | 5084.3 | 5282.0 | 5501.1 | 5750.2 | 6010.1 | 6201.3 | 6353.8 | 6476.3 | 6536.4 |
| 5071.5 | 17.5° | 5133.7 | 5245.4 | 5494.6 | 5825.4 | 6182.0 | 6523.5 | 6746.9 | 6858.6 | 6985.3 | 7043.3 |
| 5181.0 | 20° | 5262.6 | 5400.1 | 5756.7 | 6237.8 | 6712.5 | 7075.6 | 7256.0 | 7286.1 | 7294.6 | 7301.1 |
| 5284.1 | 22.5° | 5395.8 | 5580.5 | 6085.3 | 6757.6 | 7266.7 | 7518.0 | 7543.8 | 7414.9 | 7234.5 | 7150.7 |
| 5385.1 | 25° | 5541.9 | 5786.7 | 6514.9 | 7331.2 | 7743.6 | 7773.7 | 7576.0 | 7262.4 | 6920.9 | 6764.1 |
| 5466.7 | 27.5° | 5683.6 | 6025.2 | 7030.4 | 7878.9 | 8087.3 | 7823.1 | 7397.8 | 6953.1 | 6540.7 | 6375.3 |
| 5524.7 | 30° | 5825.4 | 6298.0 | 7599.7 | 8357.9 | 8244.1 | 7700.6 | 7116.4 | 6620.2 | 6205.6 | 6031.6 |
| 5576.2 | 32.5° | 5969.3 | 6615.9 | 8254.8 | 8703.7 | 8216.1 | 7440.7 | 6766.2 | 6246.4 | 5881.3 | 5698.7 |
| 5621.3 | 35° | 6132.6 | 7006.8 | 8875.6 | 8892.8 | 8029.3 | 7058.4 | 6304.4 | 5799.6 | 5481.7 | 5335.7 |
| 5675.0 | 37.5° | 6345.2 | 7503.0 | 9423.3 | 8940.0 | 7702.8 | 6497.7 | 5730.9 | 5271.2 | 5009.2 | 4942.6 |
| 5754.5 | 40° | 6609.4 | 8100.2 | 9842.2 | 8864.8 | 7219.5 | 5816.8 | 5103.7 | 4736.4 | 4588.2 | 4603.2 |
| 5861.9 | 42.5° | 6953.1 | 8768.2 | 10136.5 | 8671.5 | 6547.1 | 5114.4 | 4553.8 | 4390.5 | 4461.4 | 4521.6 |
| 6023.0 | 45° | 7399.9 | 9462.0 | 10319.1 | 8342.9 | 5786.7 | 4519.4 | 4229.4 | 4268.1 | 4321.8 | 4328.2 |
| 6282.9 | 47.5° | 7971.3 | 10164.4 | 10439.3 | 7846.7 | 5011.3 | 4100.6 | 4023.2 | 4031.8 | 4021.1 | 3976.0 |
| 6671.7 | 50° | 8684.4 | 10847.5 | 10546.7 | 7189.4 | 4351.9 | 3838.5 | 3735.4 | 3705.3 | 3557.1 | 3411.0 |
| 7189.4 | 52.5° | 9496.4 | 11474.7 | 10591.8 | 6373.2 | 3838.5 | 3619.4 | 3451.9 | 3262.8 | 2985.7 | 2940.6 |
| 7840.2 | 55° | 10398.5 | 12054.6 | 10475.9 | 5370.0 | 3406.7 | 3338.0 | 3084.5 | 2856.9 | 2826.8 | 2788.1 |
| 8697.3 | 57.5° | 11476.8 | 12679.7 | 10239.6 | 4250.9 | 2964.3 | 3009.4 | 2762.3 | 2788.1 | 2734.4 | 2674.3 |
| 9799.2 | 60° | 12656.1 | 13326.3 | 9825.0 | 3230.6 | 2506.7 | 2599.1 | 2678.6 | 2676.4 | 2661.4 | 2612.0 |
| 10961.3 | 62.5° | 13717.2 | 13751.6 | 9008.8 | 2474.5 | 2105.1 | 2281.2 | 2498.1 | 2496.0 | 2483.1 | 2455.2 |
| 12174.9 | 65° | 14348.7 | 13687.1 | 7646.9 | 1948.2 | 1774.3 | 2019.1 | 2253.3 | 2270.4 | 2272.6 | 2270.4 |
| 13087.8 | 67.5° | 14237.0 | 12933.2 | 5778.2 | 1550.9 | 1501.5 | 1752.8 | 2010.5 | 2034.2 | 2051.4 | 2055.6 |
| 13203.8 | 70° | 12974.0 | 11277.1 | 3767.6 | 1237.3 | 1258.7 | 1518.6 | 1780.7 | 1804.3 | 1819.4 | 1836.6 |
| 11457.5 | 72.5° | 10112.8 | 8291.3 | 2156.6 | 1001.0 | 1046.1 | 1316.7 | 1553.0 | 1580.9 | 1589.5 | 1621.7 |
| 7973.4 | 75° | 6162.6 | 4876.0 | 1164.2 | 788.3 | 859.2 | 1125.6 | 1327.5 | 1359.7 | 1374.7 | 1413.4 |
| 3915.8 | 77.5° | 2929.9 | 2111.5 | 663.7 | 614.3 | 691.7 | 919.3 | 1121.3 | 1157.8 | 1117.0 | 1138.4 |
| 1080.5 | 80° | 990.2 | 784.0 | 418.9 | 468.3 | 528.4 | 717.4 | 897.9 | 934.4 | 848.5 | 844.2 |
| 358.7 | 82.5° | 345.8 | 317.9 | 266.4 | 311.5 | 341.5 | 513.4 | 678.8 | 726.0 | 631.5 | 629.4 |
| 161.1 | 85° | 135.3 | 128.9 | 148.2 | 169.7 | 204.1 | 315.8 | 446.8 | 470.4 | 388.8 | 313.6 |
| 47.3 | 87.5° | 27.9 | 30.1 | 36.5 | 38.7 | 62.3 | 109.5 | 161.1 | 197.6 | 156.8 | 133.2 |
| 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° |
|--------|
| 4631.1 |
| 4805.1 |
| 5058.6 |
| 5350.7 |
| 5683.6 |
| 6063.8 |
| 6532.1 |
| 7041.2 |
| 7318.3 |
| 7174.4 |
| 6787.7 |
| 6394.6 |
| 6051.0 |
| 5722.3 |
| 5367.9 |
| 4989.8 |
| 4654.7 |
| 4577.4 |
| 4371.2 |
| 4010.3 |
| 3430.4 |
| 2955.7 |
| 2794.6 |
| 2663.5 |
| 2594.8 |
| 2444.4 |
| 2270.4 |
| 2059.9 |
| 1845.1 |
| 1634.6 |
| 1417.7 |
| 1121.3 |
| 835.6 |
| 599.3 |
| 309.3 |
| 122.4 |
| 0.0 |

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