

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: P944035

Luminaire Tested: **GLAN-SB8D-750-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944035
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8D-750-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 86258 lumens
Efficiency: N/A
Efficacy: 147.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B5 - U0 - G5

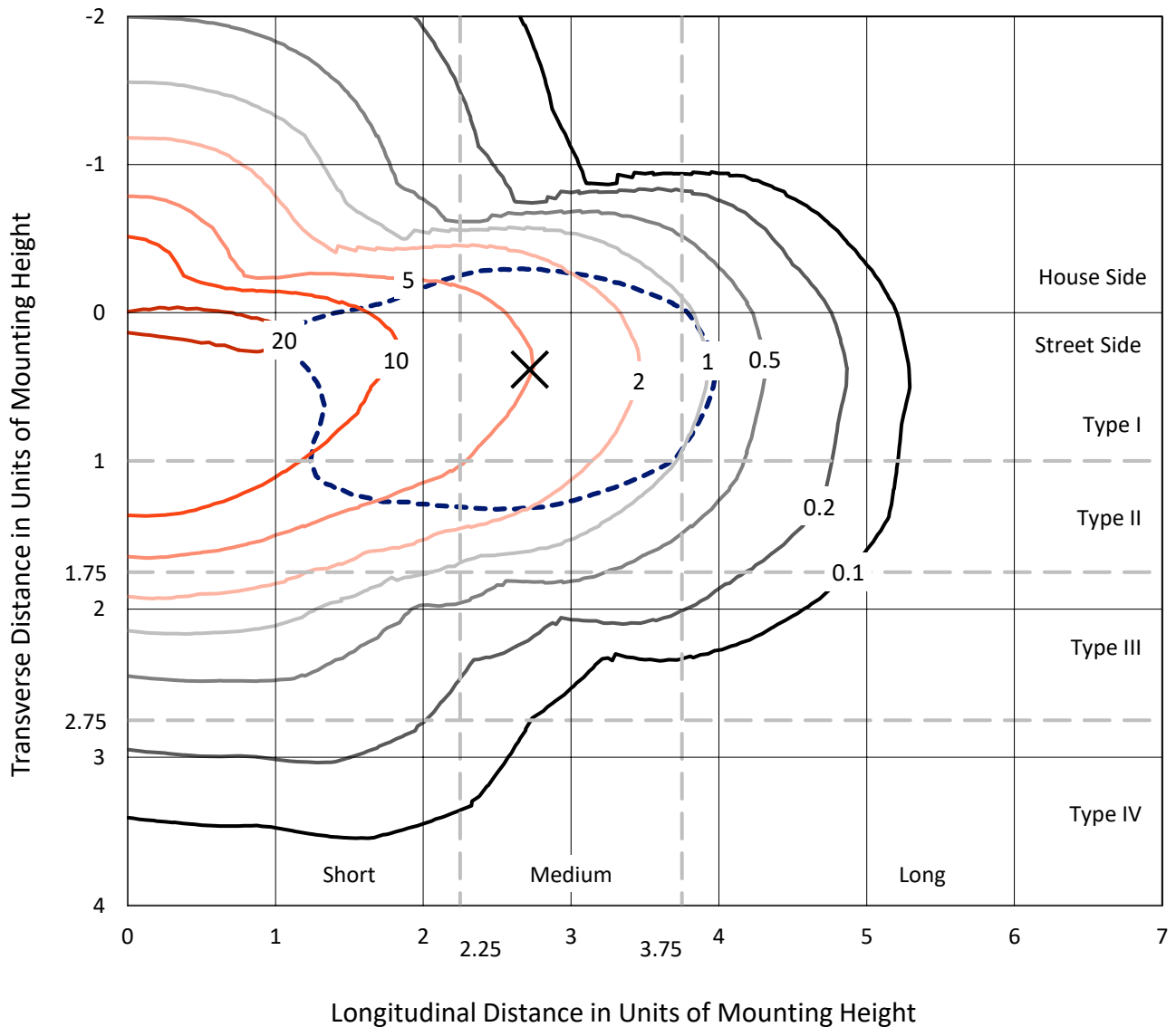
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

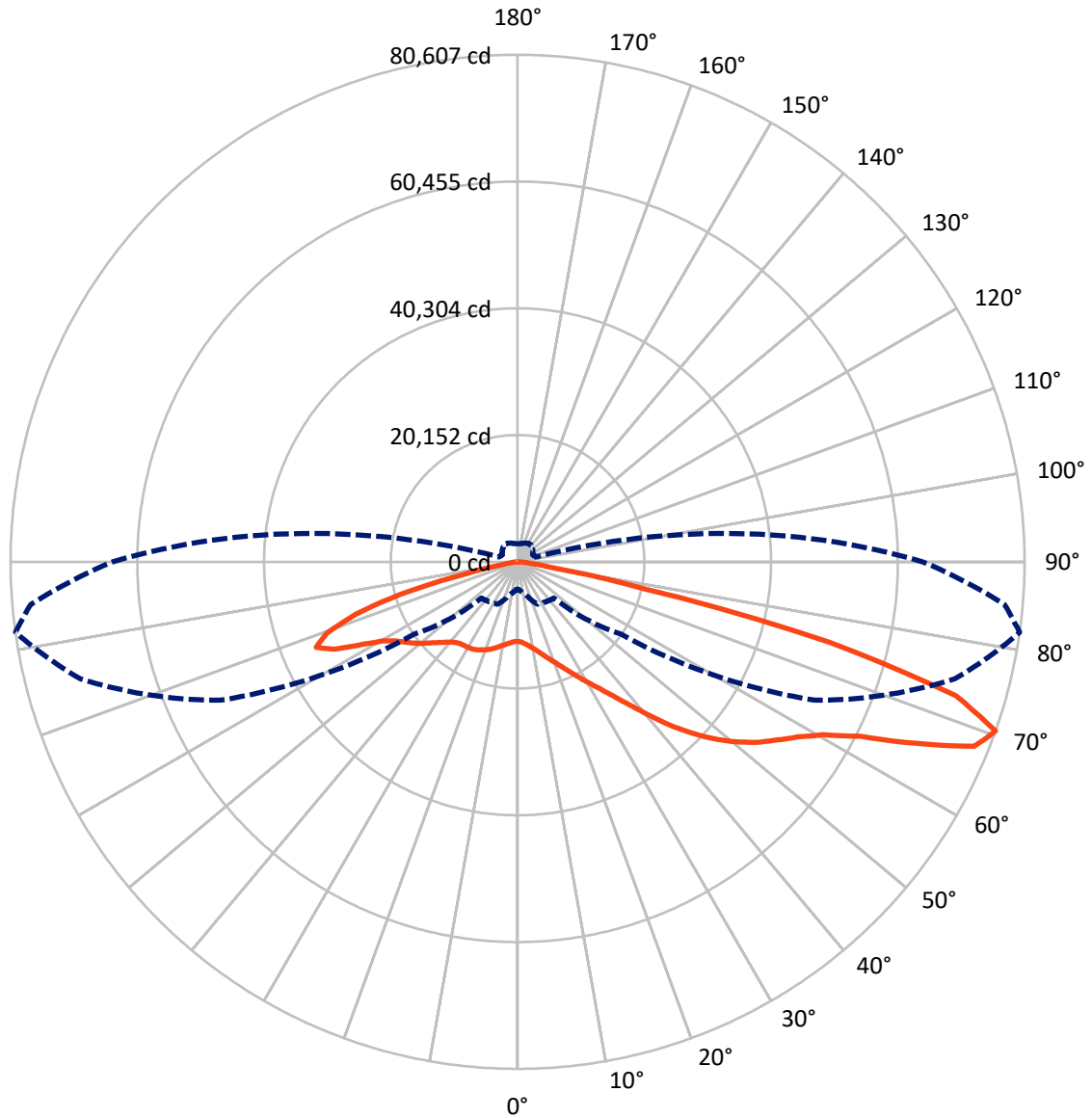
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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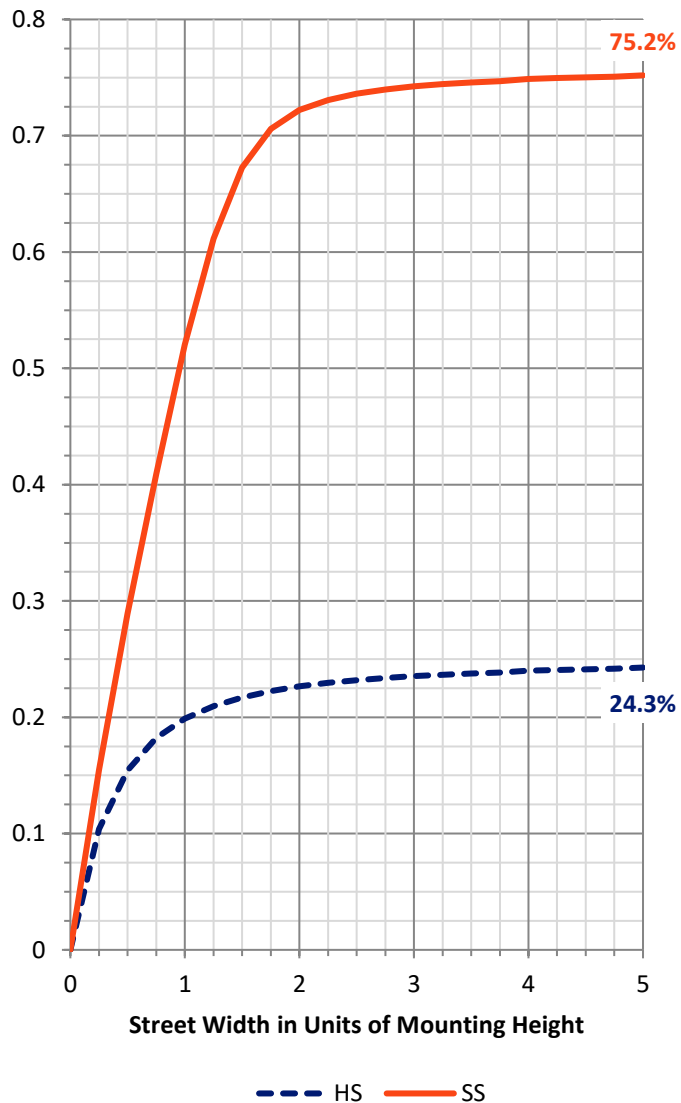
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 21264.7 | 0.0 | 21264.7 |
| | % Fixture | 24.7 | 0.0 | 24.7 |
| Street Side | Lumens | 64993.3 | 0.0 | 64993.3 |
| | % Fixture | 75.3 | 0.0 | 75.3 |
| Total | Lumens | 86258.0 | 0.0 | 86258.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 1194.1 | 1.4 |
| 10°-20° | 3430.6 | 4.0 |
| 20°-30° | 5739.0 | 6.7 |
| 30°-40° | 8965.8 | 10.4 |
| 40°-50° | 14279.1 | 16.6 |
| 50°-60° | 19871.2 | 23.0 |
| 60°-70° | 20786.1 | 24.1 |
| 70°-80° | 10864.0 | 12.6 |
| 80°-90° | 1128.1 | 1.3 |
| 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° | 86258.0 | 100.0 |
| 0°-180° | 86258.0 | 100.0 |

Coefficient of Utilization

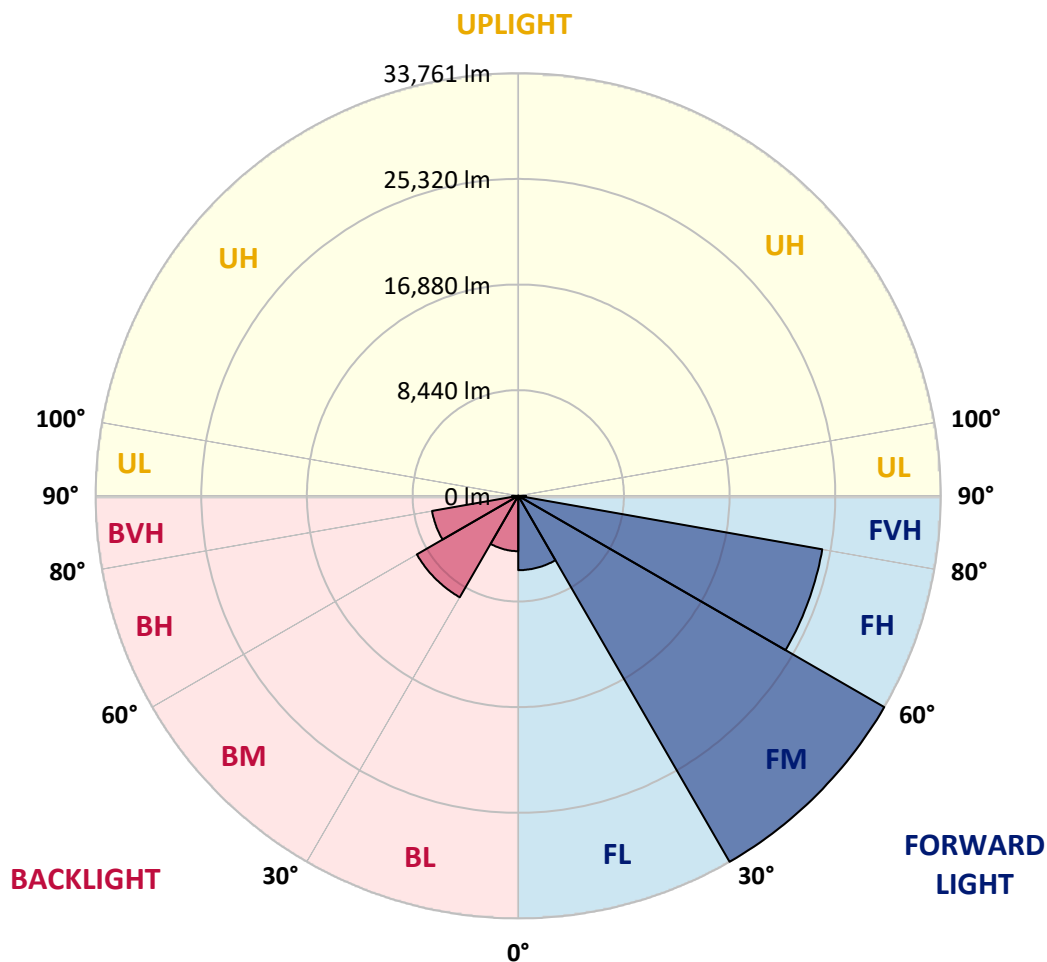


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 5939.8 | 6.9 | | | |
| FM (30°-60°) | 33760.5 | 39.1 | | | |
| FH (60°-80°) | 24661.4 | 28.6 | | | G5 |
| FVH (80°-90°) | 631.5 | 0.7 | | | G4/750 |
| BL (0°-30°) | 4423.8 | 5.1 | B4/5000 | | |
| BM (30°-60°) | 9355.6 | 10.8 | B5 | | |
| BH (60°-80°) | 6988.7 | 8.1 | B5 | | G5 |
| BVH (80°-90°) | 496.6 | 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 II Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 82° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 12646.5 | 12646.5 | 12646.5 | 12646.5 | 12646.5 | 12646.5 | 12646.5 | 12646.5 | 12646.5 | 12646.5 |
| 2.5° | 12948.6 | 13021.8 | 12998.9 | 12976.1 | 12976.1 | 12944.0 | 12939.4 | 12893.7 | 12857.0 | 12797.5 |
| 5° | 13113.4 | 13191.2 | 13182.0 | 13200.3 | 13259.8 | 13273.6 | 13287.3 | 13259.8 | 13186.6 | 13113.4 |
| 7.5° | 12966.9 | 13053.9 | 13081.3 | 13191.2 | 13374.3 | 13539.0 | 13662.6 | 13713.0 | 13644.3 | 13539.0 |
| 10° | 12472.6 | 12568.7 | 12664.8 | 12925.7 | 13250.7 | 13639.7 | 13969.3 | 14166.1 | 14152.4 | 14051.7 |
| 12.5° | 11470.2 | 11570.9 | 11776.9 | 12284.9 | 12879.9 | 13566.5 | 14179.8 | 14591.8 | 14733.7 | 14660.4 |
| 15° | 10669.2 | 10756.2 | 10911.8 | 11433.6 | 12207.1 | 13250.7 | 14257.6 | 15058.6 | 15420.2 | 15379.0 |
| 17.5° | 10646.3 | 10682.9 | 10779.0 | 11026.2 | 11621.2 | 12756.4 | 14175.2 | 15516.3 | 16207.5 | 16202.9 |
| 20° | 11049.1 | 11062.8 | 11117.8 | 11168.1 | 11506.8 | 12381.0 | 13964.7 | 15896.2 | 17090.9 | 17090.9 |
| 22.5° | 11607.5 | 11598.3 | 11653.3 | 11607.5 | 11772.3 | 12349.0 | 13832.0 | 16230.4 | 18074.9 | 18148.2 |
| 25° | 12445.1 | 12399.3 | 12385.6 | 12280.3 | 12312.4 | 12646.5 | 13978.4 | 16610.3 | 19242.1 | 19393.1 |
| 27.5° | 13561.9 | 13488.7 | 13438.3 | 13195.8 | 13113.4 | 13259.8 | 14427.0 | 17068.0 | 20542.0 | 20802.9 |
| 30° | 15017.4 | 14884.7 | 14811.5 | 14390.4 | 14092.9 | 14115.7 | 15104.4 | 17676.7 | 21901.4 | 22322.5 |
| 32.5° | 17003.9 | 16797.9 | 16601.1 | 15910.0 | 15365.3 | 15186.8 | 15978.6 | 18518.9 | 23375.2 | 24048.0 |
| 35° | 19228.4 | 19063.6 | 18853.0 | 17786.6 | 16949.0 | 16537.0 | 17159.5 | 19695.2 | 25100.8 | 26167.2 |
| 37.5° | 21370.4 | 21228.5 | 21329.2 | 19892.0 | 18811.8 | 18212.2 | 18706.6 | 21274.3 | 27229.1 | 28803.6 |
| 40° | 23585.7 | 23475.9 | 23489.6 | 22116.5 | 20857.8 | 20185.0 | 20583.2 | 23256.2 | 29668.7 | 31938.9 |
| 42.5° | 25993.3 | 25910.9 | 25636.3 | 24418.8 | 23004.5 | 22377.4 | 22743.6 | 25544.7 | 32286.8 | 35509.1 |
| 45° | 28689.2 | 28638.9 | 28382.5 | 26986.5 | 25366.2 | 24661.4 | 25155.7 | 28071.3 | 34918.6 | 38868.7 |
| 47.5° | 31018.9 | 31060.1 | 31028.1 | 29851.8 | 28172.0 | 27137.6 | 27728.0 | 30707.7 | 37367.4 | 42026.8 |
| 50° | 32140.3 | 32355.5 | 32671.3 | 32305.1 | 31261.5 | 30208.8 | 30323.2 | 33252.6 | 39701.7 | 44988.2 |
| 52.5° | 31554.5 | 31961.8 | 32822.3 | 33408.2 | 33811.0 | 33591.3 | 33284.6 | 35779.1 | 41898.7 | 47661.2 |
| 55° | 29371.2 | 29943.3 | 31371.4 | 32785.7 | 34840.8 | 36438.2 | 36841.0 | 38580.3 | 44040.8 | 50013.9 |
| 57.5° | 25393.7 | 26322.8 | 27604.4 | 30465.1 | 33925.4 | 37815.9 | 40987.8 | 42466.2 | 46311.0 | 52526.7 |
| 60° | 18573.8 | 19818.8 | 21411.6 | 25668.3 | 30721.4 | 37079.0 | 44516.8 | 48434.8 | 49537.9 | 55781.0 |
| 62.5° | 11886.7 | 12655.7 | 14120.3 | 18129.9 | 23938.2 | 33302.9 | 45597.0 | 55895.4 | 55007.5 | 61117.9 |
| 65° | 8138.1 | 8632.4 | 9973.5 | 12225.4 | 15475.1 | 24789.5 | 42704.3 | 61488.6 | 63694.8 | 69576.4 |
| 67.5° | 5913.6 | 6288.9 | 7433.2 | 9405.9 | 10083.3 | 14669.6 | 33138.1 | 61232.3 | 72139.5 | 78291.1 |
| 70° | 4311.6 | 4577.1 | 5538.3 | 7433.2 | 7758.2 | 8161.0 | 20075.1 | 52050.7 | 71956.4 | 80607.1 |
| 72.5° | 3194.8 | 3377.9 | 4023.3 | 5767.1 | 6279.8 | 5510.8 | 9936.9 | 37829.7 | 61831.9 | 72908.5 |
| 75° | 2311.4 | 2448.7 | 2924.8 | 4412.3 | 5025.6 | 4197.2 | 4957.0 | 22107.3 | 43129.9 | 51286.3 |
| 77.5° | 1766.8 | 1872.0 | 2183.3 | 3231.4 | 4023.3 | 3149.0 | 3075.8 | 10170.3 | 20450.4 | 20551.1 |
| 80° | 1418.9 | 1487.6 | 1656.9 | 2274.8 | 3085.0 | 2357.2 | 2004.8 | 4105.7 | 6462.9 | 5469.6 |
| 82.5° | 1043.6 | 1158.0 | 1400.6 | 1597.4 | 2206.2 | 1624.9 | 1222.1 | 2073.4 | 2457.9 | 2114.6 |
| 85° | 595.0 | 672.8 | 846.8 | 1144.3 | 1409.7 | 993.2 | 700.3 | 920.0 | 1144.3 | 938.3 |
| 87.5° | 210.5 | 274.6 | 297.5 | 448.6 | 613.3 | 411.9 | 270.0 | 265.5 | 375.3 | 279.2 |
| 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° |
|---------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 12646.5 | 0° | 12646.5 | 12646.5 | 12646.5 | 12646.5 | 12646.5 | 12646.5 | 12646.5 | 12646.5 | 12646.5 | 12646.5 |
| 12783.8 | 2.5° | 12738.0 | 12715.2 | 12623.6 | 12500.0 | 12371.9 | 12248.3 | 12207.1 | 12120.1 | 12060.6 | 12028.6 |
| 13081.3 | 5° | 12994.4 | 12921.1 | 12706.0 | 12431.4 | 12143.0 | 11831.8 | 11612.1 | 11410.7 | 11264.2 | 11126.9 |
| 13488.7 | 7.5° | 13360.5 | 13232.4 | 12861.6 | 12381.0 | 11868.4 | 11351.2 | 10966.7 | 10673.8 | 10477.0 | 10348.8 |
| 13964.7 | 10° | 13786.2 | 13589.4 | 13021.8 | 12303.2 | 11511.4 | 10769.9 | 10316.8 | 10065.0 | 9941.4 | 9872.8 |
| 14509.4 | 12.5° | 14275.9 | 13996.7 | 13186.6 | 12124.7 | 10966.7 | 10119.9 | 9808.7 | 9735.5 | 9740.0 | 9744.6 |
| 15195.9 | 15° | 14880.1 | 14491.1 | 13319.3 | 11735.7 | 10257.3 | 9621.0 | 9566.1 | 9685.1 | 9808.7 | 9868.2 |
| 15974.0 | 17.5° | 15562.1 | 15012.9 | 13342.2 | 11094.9 | 9561.5 | 9300.6 | 9474.6 | 9730.9 | 9918.6 | 10000.9 |
| 16843.7 | 20° | 16294.4 | 15543.8 | 13177.4 | 10188.6 | 8989.4 | 9039.8 | 9351.0 | 9680.5 | 9886.5 | 9991.8 |
| 17836.9 | 22.5° | 17132.1 | 16111.4 | 12783.8 | 9236.6 | 8522.5 | 8756.0 | 9122.1 | 9442.5 | 9657.7 | 9762.9 |
| 19004.1 | 25° | 18088.7 | 16747.6 | 12165.9 | 8435.6 | 8119.8 | 8435.6 | 8801.7 | 9067.2 | 9241.1 | 9337.3 |
| 20308.6 | 27.5° | 19150.5 | 17411.3 | 11342.0 | 7799.4 | 7767.3 | 8106.0 | 8408.1 | 8614.1 | 8705.6 | 8778.9 |
| 21695.4 | 30° | 20217.0 | 18015.4 | 10344.2 | 7318.8 | 7460.7 | 7781.1 | 7996.2 | 8087.7 | 8115.2 | 8128.9 |
| 23242.5 | 32.5° | 21370.4 | 18537.2 | 9296.1 | 6920.6 | 7167.7 | 7465.2 | 7593.4 | 7634.6 | 7506.4 | 7419.5 |
| 25119.1 | 35° | 22766.4 | 19095.6 | 8270.8 | 6604.7 | 6879.4 | 7135.7 | 7176.9 | 7140.3 | 6989.2 | 6810.7 |
| 27471.7 | 37.5° | 24492.0 | 19791.3 | 7451.5 | 6380.5 | 6609.3 | 6778.7 | 6728.3 | 6719.2 | 6732.9 | 6522.4 |
| 30300.3 | 40° | 26606.6 | 20697.6 | 6851.9 | 6206.5 | 6389.6 | 6426.2 | 6284.3 | 6362.2 | 6430.8 | 6110.4 |
| 33403.6 | 42.5° | 28954.7 | 21791.5 | 6472.0 | 6087.5 | 6206.5 | 6119.6 | 5899.9 | 5986.8 | 5977.7 | 5556.6 |
| 36520.6 | 45° | 31348.5 | 22981.6 | 6339.3 | 6000.6 | 6037.2 | 5863.3 | 5620.7 | 5643.6 | 5451.3 | 5071.4 |
| 39509.4 | 47.5° | 33728.6 | 24258.6 | 6421.7 | 5927.3 | 5826.6 | 5629.8 | 5442.2 | 5341.5 | 5057.7 | 4773.9 |
| 42374.7 | 50° | 36062.9 | 25599.7 | 6723.7 | 5780.9 | 5538.3 | 5423.9 | 5286.5 | 5108.0 | 4805.9 | 4563.4 |
| 45084.3 | 52.5° | 38227.9 | 26949.9 | 7062.5 | 5538.3 | 5176.7 | 5245.3 | 5158.4 | 4952.4 | 4654.9 | 4407.7 |
| 47647.5 | 55° | 40278.4 | 28300.2 | 7195.2 | 5204.2 | 4838.0 | 5089.7 | 5039.4 | 4659.5 | 4302.5 | 4101.1 |
| 50329.7 | 57.5° | 42512.0 | 29925.0 | 7048.7 | 4778.5 | 4563.4 | 4911.2 | 4719.0 | 4297.9 | 4091.9 | 3940.9 |
| 53822.0 | 60° | 45606.1 | 32474.5 | 6732.9 | 4252.1 | 4302.5 | 4645.7 | 4316.2 | 4142.3 | 3918.0 | 3748.6 |
| 59058.2 | 62.5° | 50746.2 | 37230.1 | 6224.8 | 3730.3 | 3995.8 | 4252.1 | 4124.0 | 3950.0 | 3721.2 | 3556.4 |
| 68011.0 | 65° | 58344.2 | 43839.4 | 5268.2 | 3323.0 | 3652.5 | 3867.6 | 3918.0 | 3744.1 | 3506.1 | 3332.1 |
| 75856.1 | 67.5° | 64752.1 | 47986.2 | 3986.6 | 2984.3 | 3300.1 | 3556.4 | 3698.3 | 3528.9 | 3277.2 | 3107.8 |
| 77691.5 | 70° | 64399.7 | 44974.5 | 3043.8 | 2650.1 | 2988.8 | 3249.7 | 3432.8 | 3300.1 | 3030.0 | 2869.8 |
| 70569.6 | 72.5° | 57199.9 | 37623.7 | 2462.5 | 2311.4 | 2673.0 | 2929.3 | 3149.0 | 3048.3 | 2773.7 | 2618.1 |
| 51698.2 | 75° | 42022.3 | 26707.3 | 1968.1 | 1968.1 | 2279.4 | 2595.2 | 2837.8 | 2773.7 | 2522.0 | 2412.1 |
| 21704.6 | 77.5° | 17713.3 | 11204.7 | 1542.5 | 1634.0 | 1894.9 | 2229.0 | 2531.1 | 2554.0 | 2334.3 | 2471.6 |
| 5739.7 | 80° | 4709.8 | 3089.5 | 1176.3 | 1286.2 | 1487.6 | 1840.0 | 2201.6 | 2192.4 | 1954.4 | 1826.3 |
| 2132.9 | 82.5° | 1794.2 | 1217.5 | 837.6 | 906.3 | 1075.6 | 1409.7 | 1743.9 | 1798.8 | 1560.8 | 1350.2 |
| 837.6 | 85° | 691.1 | 521.8 | 517.2 | 544.7 | 627.1 | 933.7 | 1318.2 | 1364.0 | 1176.3 | 997.8 |
| 233.4 | 87.5° | 178.5 | 155.6 | 192.2 | 183.1 | 288.4 | 498.9 | 755.2 | 782.7 | 718.6 | 416.5 |
| 0.0 | 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END O

180°

12646.5
12065.2
11181.8
10376.3
9891.1
9753.8
9863.6
10019.3
10019.3
9790.4
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3112.4
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1029.8
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0.0

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