

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: P851098

Luminaire Tested: **GLAN-SB8D-930-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851098
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-SB8D-930-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 55551 lumens
Efficiency: N/A
Efficacy: 95.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G5

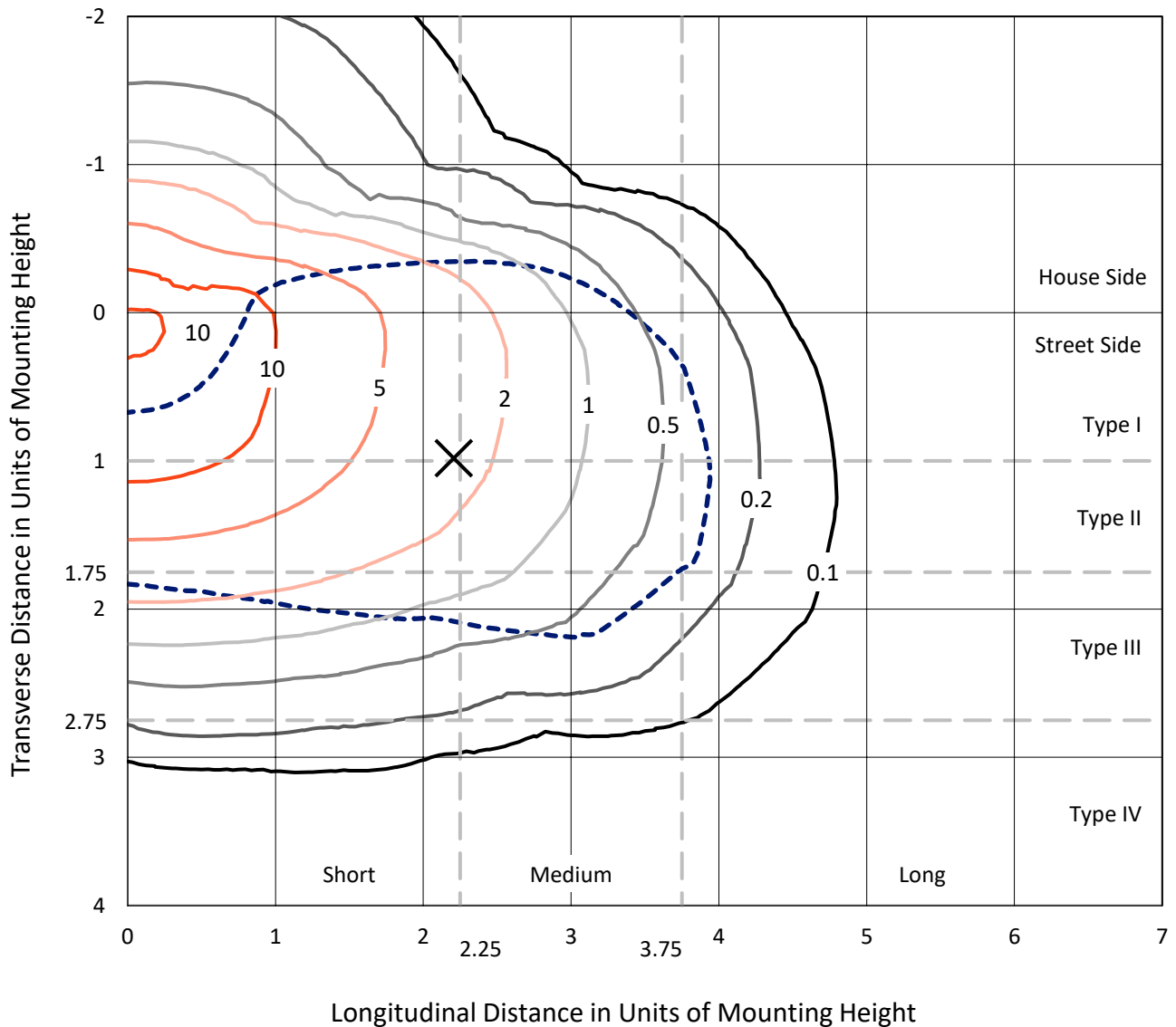
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

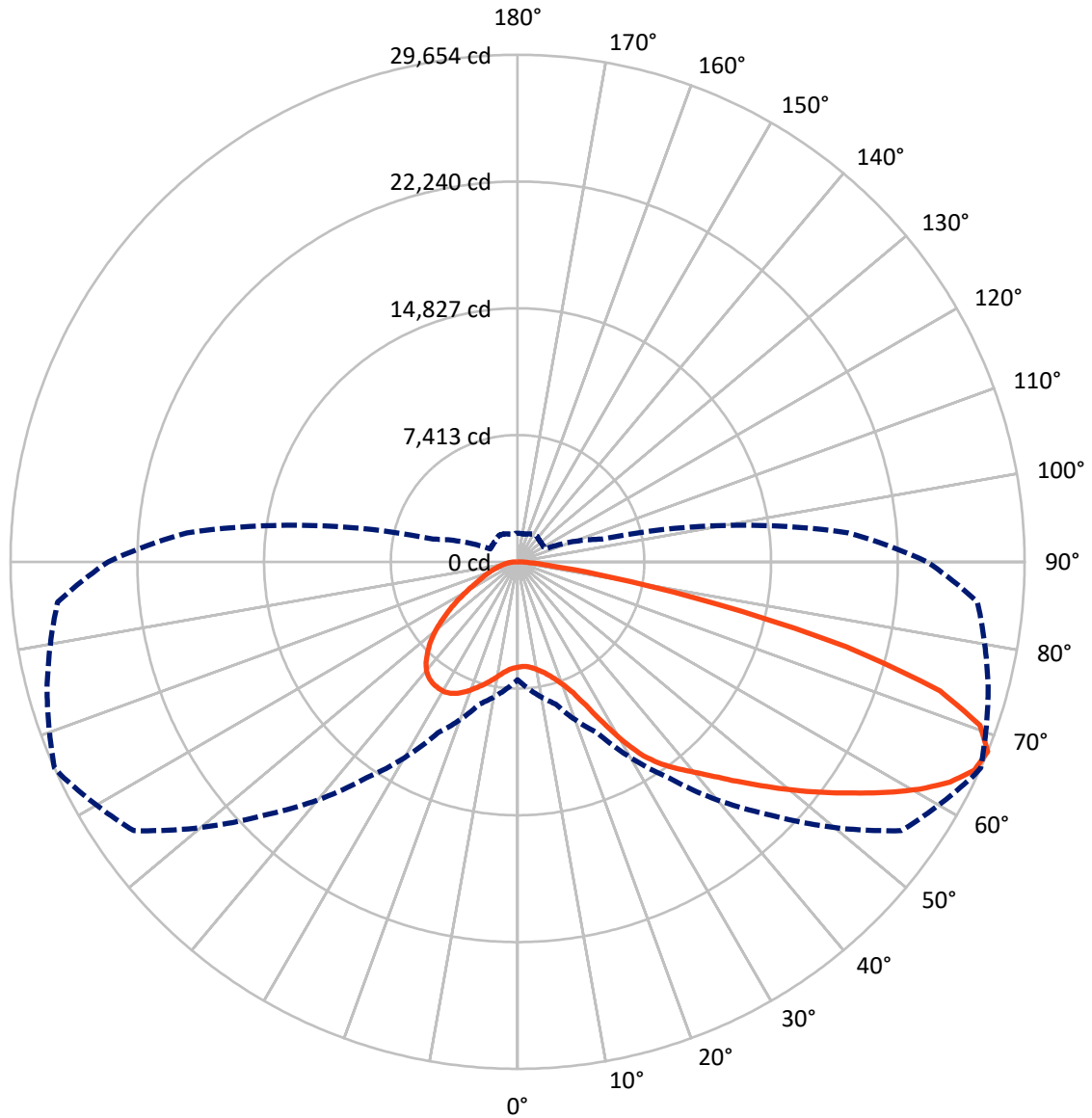
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14 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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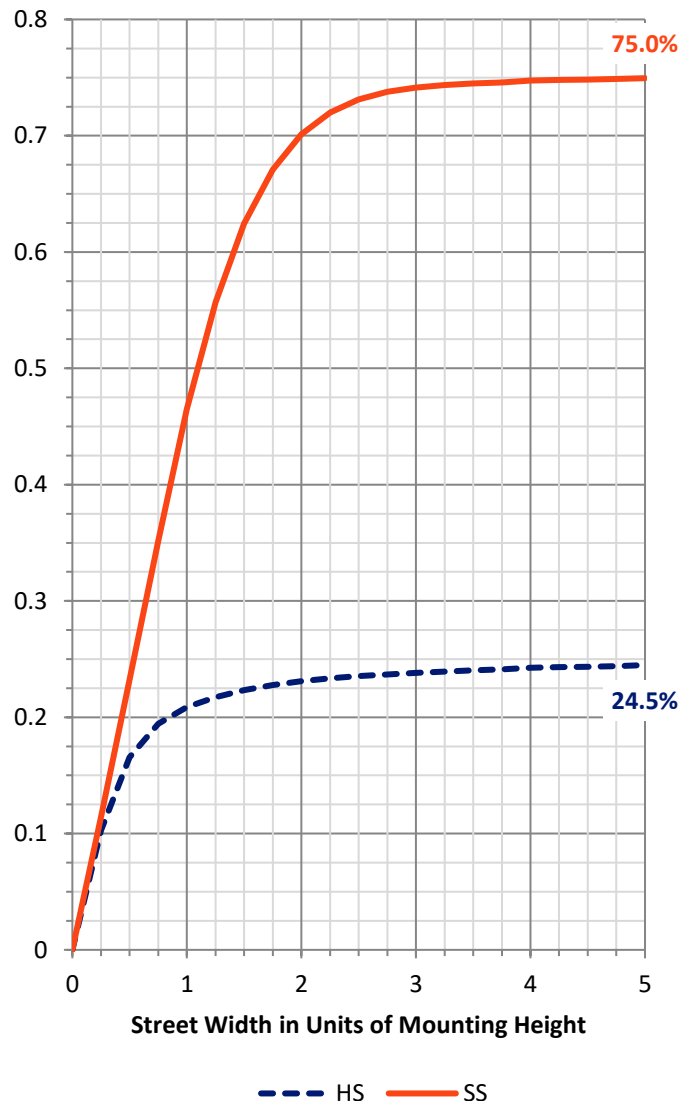
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13812.6	0.0	13812.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	41738.4	0.0	41738.4
	% Fixture	75.1	0.0	75.1
Total	Lumens	55551.0	0.0	55551.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	610.9	1.1
10°-20°	2018.2	3.6
20°-30°	3890.1	7.0
30°-40°	6820.7	12.3
40°-50°	10140.1	18.3
50°-60°	12853.6	23.1
60°-70°	12576.9	22.6
70°-80°	5999.3	10.8
80°-90°	641.2	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°	55551.0	100.0
0°-180°	55551.0	100.0

Coefficient of Utilization

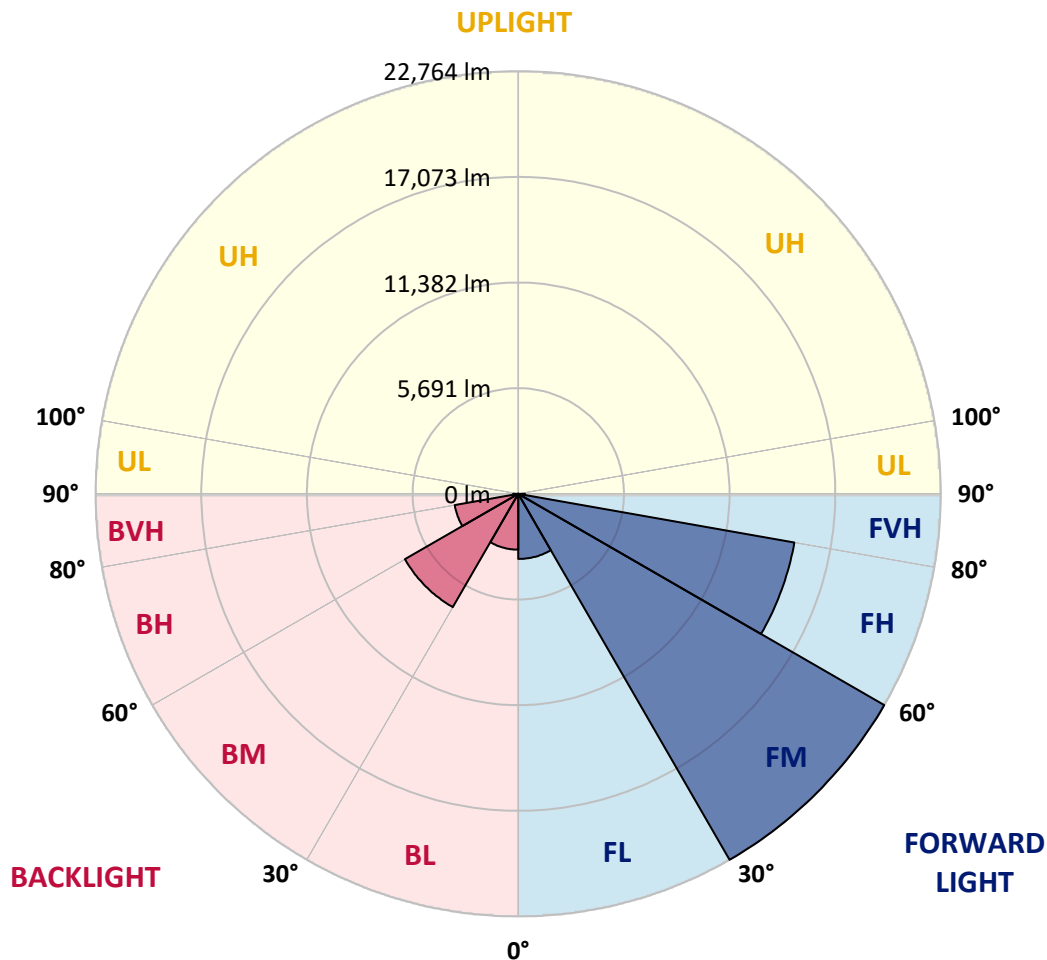


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3510.3	6.3			
FM (30°-60°)	22764.3	41.0			
FH (60°-80°)	15100.3	27.2			G5
FVH (80°-90°)	363.5	0.7			G3/500
BL (0°-30°)	3008.9	5.4	B4/5000		
BM (30°-60°)	7050.1	12.7	B4/8500		
BH (60°-80°)	3476.0	6.3	B4/5000		G4/5000
BVH (80°-90°)	277.6	0.5			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	6161.3	6161.3	6161.3	6161.3	6161.3	6161.3	6161.3	6161.3	6161.3	6161.3
2.5°	6097.1	6132.2	6123.4	6108.8	6105.9	6111.7	6120.5	6129.2	6126.3	6140.9
5°	6079.6	6114.6	6111.7	6111.7	6123.4	6146.7	6161.3	6175.9	6161.3	6178.9
7.5°	6091.3	6117.6	6129.2	6140.9	6170.1	6213.9	6248.9	6281.0	6263.5	6283.9
10°	6240.1	6260.6	6272.2	6272.2	6292.7	6342.3	6377.3	6435.7	6421.1	6453.2
12.5°	6511.6	6532.0	6532.0	6520.3	6534.9	6567.0	6578.7	6642.9	6616.7	6669.2
15°	6844.3	6885.2	6853.1	6832.6	6838.5	6870.6	6867.7	6917.3	6891.0	6934.8
17.5°	7212.1	7264.6	7212.1	7209.1	7197.5	7232.5	7235.4	7279.2	7232.5	7264.6
20°	7646.9	7719.9	7676.1	7690.7	7664.5	7679.1	7693.6	7757.9	7684.9	7708.2
22.5°	8259.9	8347.4	8300.7	8356.2	8338.7	8327.0	8324.1	8437.9	8324.1	8332.8
25°	9153.0	9258.1	9176.3	9252.2	9252.2	9290.2	9333.9	9479.9	9290.2	9234.7
27.5°	10472.2	10577.3	10416.8	10463.5	10448.9	10542.3	10495.6	10857.5	10653.2	10562.7
30°	12060.0	12246.8	11943.3	11931.6	11917.0	12065.8	12133.0	12372.3	12165.1	12074.6
32.5°	13776.2	13971.7	13609.8	13504.7	13449.3	13539.8	13484.3	13676.9	13533.9	13393.8
35°	15591.6	15784.2	15439.8	15235.5	15013.7	14824.0	14625.5	14675.1	14540.9	14327.8
37.5°	17307.8	17661.0	17296.1	17077.2	16668.6	16297.9	15743.4	15512.8	15387.3	15191.7
40°	19056.1	19257.5	18980.2	18793.4	18349.8	17768.9	16881.7	16394.2	16225.0	16035.2
42.5°	20343.2	20535.9	20387.0	20258.6	19911.3	19237.0	18090.0	17480.0	17234.8	17021.8
45°	21364.8	21507.8	21414.4	21461.1	21312.2	20658.4	19342.1	18644.5	18390.6	18130.9
47.5°	21776.3	21928.1	22076.9	22354.2	22608.1	22126.5	20687.6	19905.4	19636.9	19371.3
50°	21729.6	21884.3	22316.3	22905.8	23693.9	23533.3	22106.1	21248.0	20999.9	20696.4
52.5°	21356.0	21531.1	22085.7	23066.4	24321.4	24587.0	23550.9	22634.4	22400.9	22039.0
55°	20375.3	20480.4	21312.2	22701.5	24470.2	25322.5	24966.4	24111.2	23877.7	23372.8
57.5°	18557.0	18708.8	19920.0	21717.9	24096.6	25821.6	26209.8	25664.0	25439.2	24712.5
60°	16184.1	16426.3	17812.7	20065.9	23145.2	25818.7	27339.3	27190.5	27003.7	26031.7
62.5°	13498.9	13779.1	15112.9	17731.0	21481.5	25086.1	28045.6	28468.8	28372.5	27248.8
65°	10367.2	10559.8	11887.8	14710.2	18892.6	23512.9	28127.3	29341.5	29359.0	28174.0
67.5°	6902.7	7457.2	8610.1	11038.5	15425.2	20941.6	27409.4	29484.5	29653.8	28492.2
70°	3368.2	4097.8	5227.4	7174.1	11038.5	16998.4	25532.6	28311.2	28687.7	27564.0
72.5°	1398.0	1634.5	2250.3	3540.4	6336.5	11470.4	21761.7	25129.9	25827.4	24423.5
75°	942.7	1021.5	1287.1	1815.4	2886.6	5656.4	15693.8	18737.9	19861.6	18446.1
77.5°	726.8	776.4	936.9	1269.6	1716.2	2139.4	8400.0	11292.4	11873.2	10991.8
80°	572.1	610.0	700.5	925.2	1217.1	1144.1	2863.2	5116.5	5452.1	4573.6
82.5°	496.2	510.8	502.0	627.5	808.5	668.4	939.8	1888.4	2083.9	1511.9
85°	359.0	399.9	417.4	388.2	429.0	338.6	385.3	668.4	735.5	656.7
87.5°	145.9	216.0	265.6	251.0	157.6	96.3	119.7	195.6	224.7	245.2
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°
6161.3	0°	6161.3	6161.3	6161.3	6161.3	6161.3	6161.3	6161.3	6161.3	6161.3	6161.3
6164.3	2.5°	6167.2	6187.6	6202.2	6219.7	6231.4	6248.9	6283.9	6304.4	6307.3	6321.9
6211.0	5°	6222.6	6251.8	6283.9	6330.6	6383.2	6426.9	6494.1	6540.8	6558.3	6572.9
6324.8	7.5°	6342.3	6383.2	6441.5	6523.3	6599.1	6657.5	6739.2	6794.7	6850.1	6870.6
6505.7	10°	6520.3	6578.7	6663.4	6774.3	6856.0	6931.9	7016.5	7063.2	7118.7	7142.0
6721.7	12.5°	6742.2	6803.5	6914.4	7069.1	7144.9	7197.5	7226.7	7215.0	7226.7	7247.1
6981.5	15°	6996.1	7063.2	7188.7	7355.1	7407.6	7360.9	7296.7	7238.3	7229.6	7235.4
7296.7	17.5°	7296.7	7346.3	7492.3	7632.4	7594.4	7401.8	7261.7	7168.3	7121.6	7107.0
7699.5	20°	7717.0	7717.0	7836.7	7924.2	7670.3	7343.4	7124.5	6972.7	6876.4	6835.6
8248.2	22.5°	8227.8	8181.1	8257.0	8195.7	7655.7	7180.0	6876.4	6613.7	6467.8	6409.4
9015.8	25°	8875.7	8820.3	8799.8	8420.4	7550.6	6920.2	6426.9	6108.8	5980.4	5948.3
10122.0	27.5°	9853.5	9713.4	9447.8	8543.0	7358.0	6511.6	5901.6	5606.8	5533.8	5536.7
11543.4	30°	11155.2	10875.0	10224.1	8563.4	7042.8	5933.7	5364.5	5154.4	5119.4	5134.0
12737.1	32.5°	12360.6	12095.0	11018.0	8470.0	6558.3	5367.5	4883.0	4742.9	4690.3	4707.8
13647.8	35°	13306.3	13233.3	11753.5	8338.7	5962.9	4836.3	4451.0	4331.3	4229.2	4205.8
14505.9	37.5°	14199.4	14170.2	12305.2	8154.8	5373.3	4459.7	4103.7	3946.1	3797.2	3715.5
15454.4	40°	15180.1	15150.9	12667.1	7871.7	4850.9	4132.9	3791.4	3584.1	3400.3	3251.4
16528.5	42.5°	16283.3	16111.1	12839.3	7466.0	4407.2	3855.6	3537.4	3257.3	3015.0	2877.8
17742.7	45°	17488.7	17100.6	12836.4	6949.4	4033.6	3601.7	3266.0	2869.1	2644.3	2515.9
18989.0	47.5°	18767.1	18046.2	12678.8	6377.3	3671.7	3321.5	2845.7	2542.2	2393.3	2314.5
20343.2	50°	20086.4	18930.6	12410.2	5720.6	3301.0	3003.3	2583.0	2375.8	2262.0	2189.0
21685.8	52.5°	21326.8	19733.2	12086.3	4976.4	2924.5	2693.9	2466.3	2305.8	2186.1	2104.4
22987.5	55°	22479.7	20424.9	11628.0	4214.6	2618.1	2486.7	2410.8	2276.6	2139.4	2043.1
24309.7	57.5°	23504.2	20874.4	10837.1	3499.5	2399.2	2343.7	2352.5	2227.0	2069.3	1987.6
25611.4	60°	24356.4	21204.2	9666.7	2837.0	2221.1	2203.6	2262.0	2133.6	1949.7	1856.3
26711.8	62.5°	24867.2	21198.4	8230.7	2323.3	2069.3	2075.2	2142.3	2016.8	1830.0	1742.5
27286.8	65°	24823.4	20678.9	6654.6	1987.6	1923.4	1929.2	2016.8	1888.4	1730.8	1678.2
26997.8	67.5°	23944.9	19412.2	5104.8	1768.7	1762.9	1789.2	1891.3	1800.8	1669.5	1663.6
25275.8	70°	21566.1	16782.4	3677.5	1593.6	1596.5	1634.5	1768.7	1745.4	1637.4	1649.1
21250.9	72.5°	17293.2	12795.5	2469.2	1409.7	1412.6	1473.9	1652.0	1701.6	1605.3	1760.0
15077.9	75°	11517.1	7979.7	1587.8	1214.2	1217.1	1295.9	1549.8	1617.0	1517.7	1754.1
7845.4	77.5°	5533.8	3587.1	1150.0	1021.5	1021.5	1094.5	1339.7	1447.7	1293.0	1363.0
2521.7	80°	1911.7	1348.4	904.8	823.1	805.6	855.2	1129.5	1255.0	1114.9	1027.4
823.1	82.5°	753.0	700.5	726.8	639.2	580.8	612.9	878.5	1036.1	820.1	741.3
464.1	85°	432.0	455.3	513.7	423.2	335.6	376.5	645.0	744.3	618.8	545.8
151.8	87.5°	116.7	160.5	236.4	218.9	151.8	160.5	306.5	411.5	356.1	274.4
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°
6161.3
6318.9
6570.0
6873.5
7153.7
7252.9
7255.8
7127.4
6826.8
6400.7
5954.1
5545.5
5183.6
4731.2
4223.3
3718.4
3266.0
2886.6
2510.1
2297.0
2162.7
2069.3
2005.1
1935.1
1815.4
1716.2
1675.3
1672.4
1646.1
1783.3
1768.7
1249.2
963.2
738.4
557.5
283.1
0.0

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