

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: P941347

Luminaire Tested: **GLAN-SB4D-830-U-T3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P941347  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4D-830-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 36671 lumens  
Efficiency: N/A  
Efficacy: 124.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4

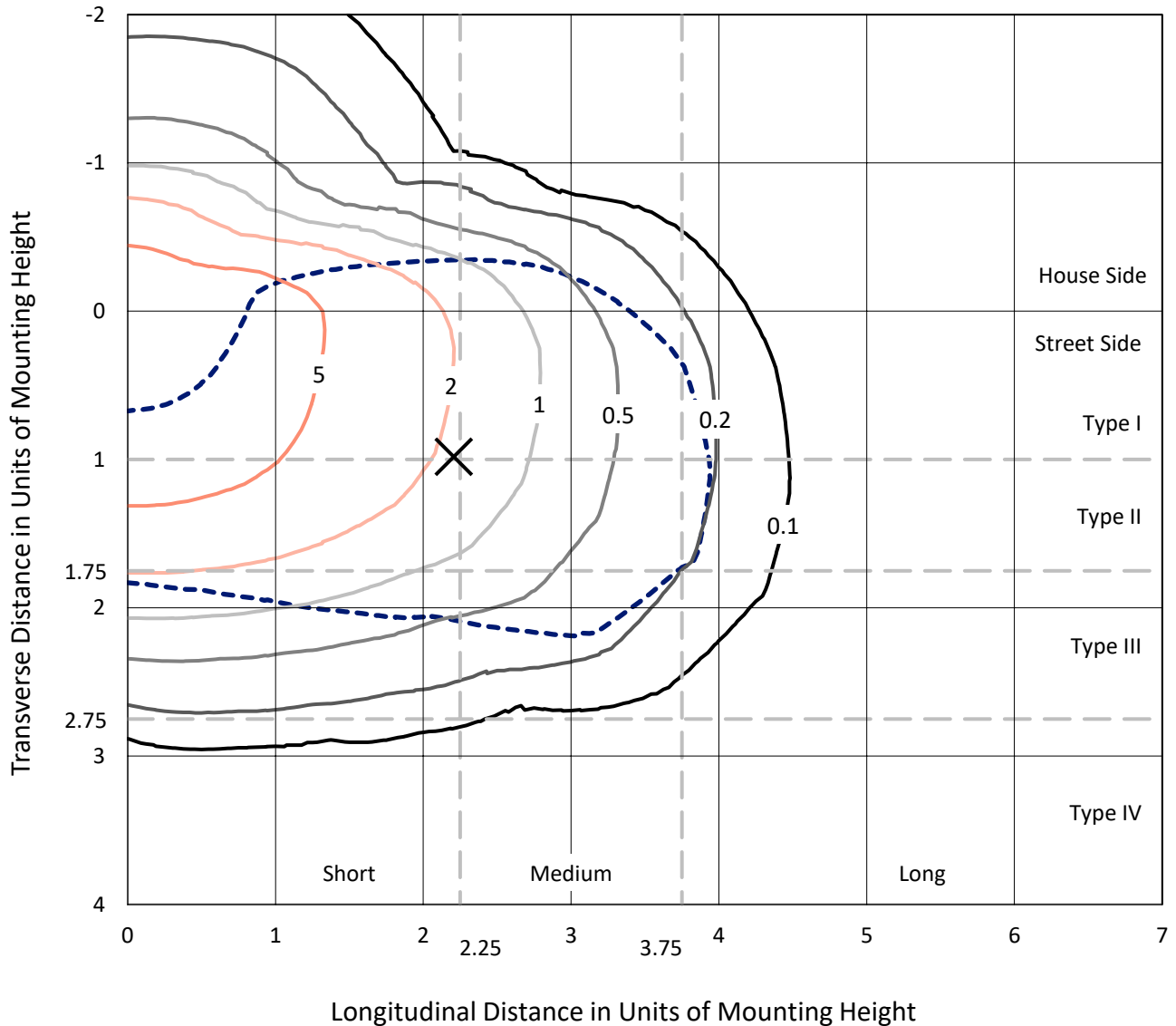
Input Watts (W): 293.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

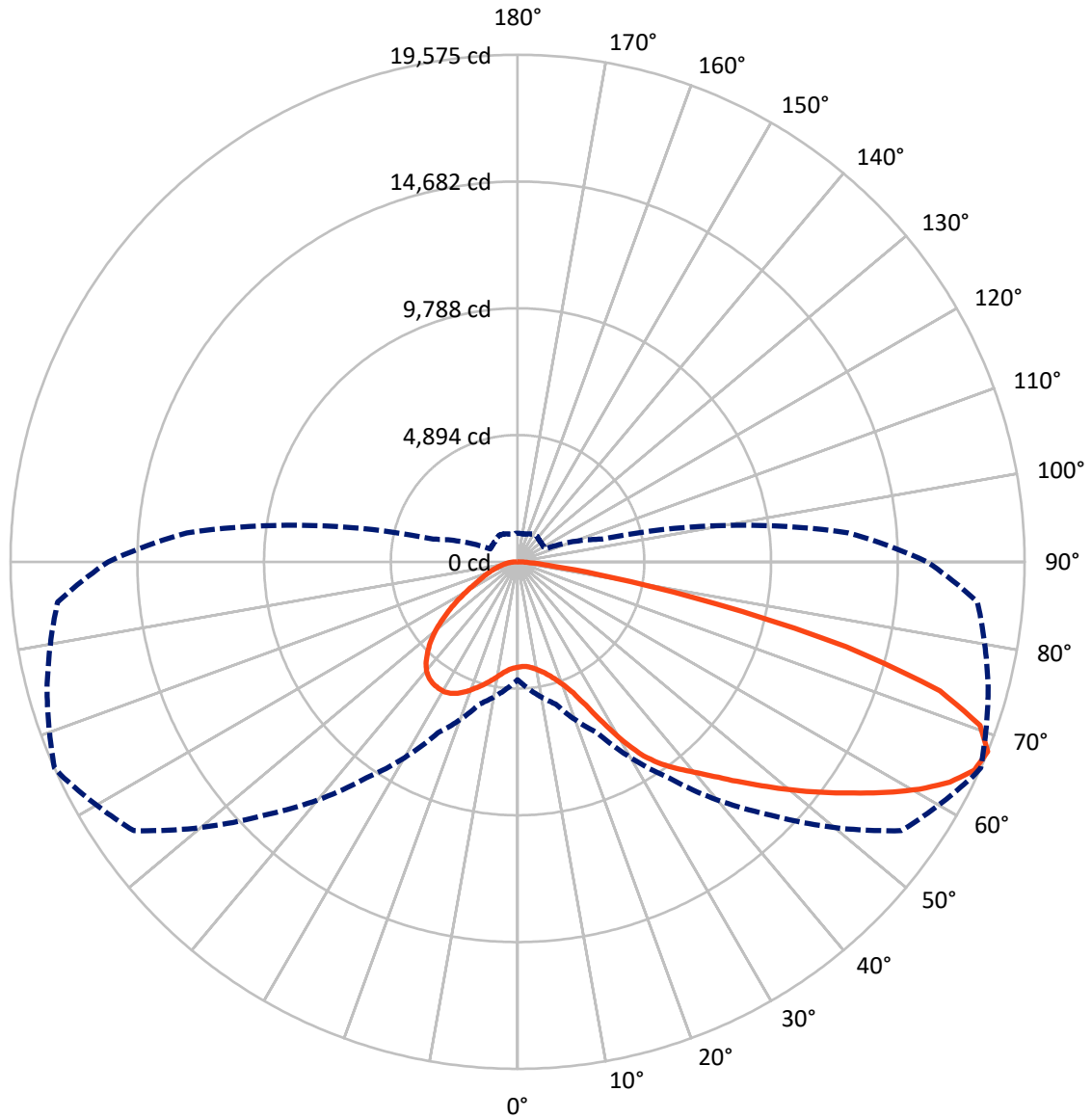
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 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
<b>House Side</b>	Lumens	9118.1	0.0	9118.1
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	27552.9	0.0	27552.9
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	36671.0	0.0	36671.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	403.3	1.1
10°-20°	1332.3	3.6
20°-30°	2567.9	7.0
30°-40°	4502.6	12.3
40°-50°	6693.8	18.3
50°-60°	8485.1	23.1
60°-70°	8302.4	22.6
70°-80°	3960.3	10.8
80°-90°	423.3	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°	36671.0	100.0
0°-180°	36671.0	100.0

**Coefficient of Utilization**

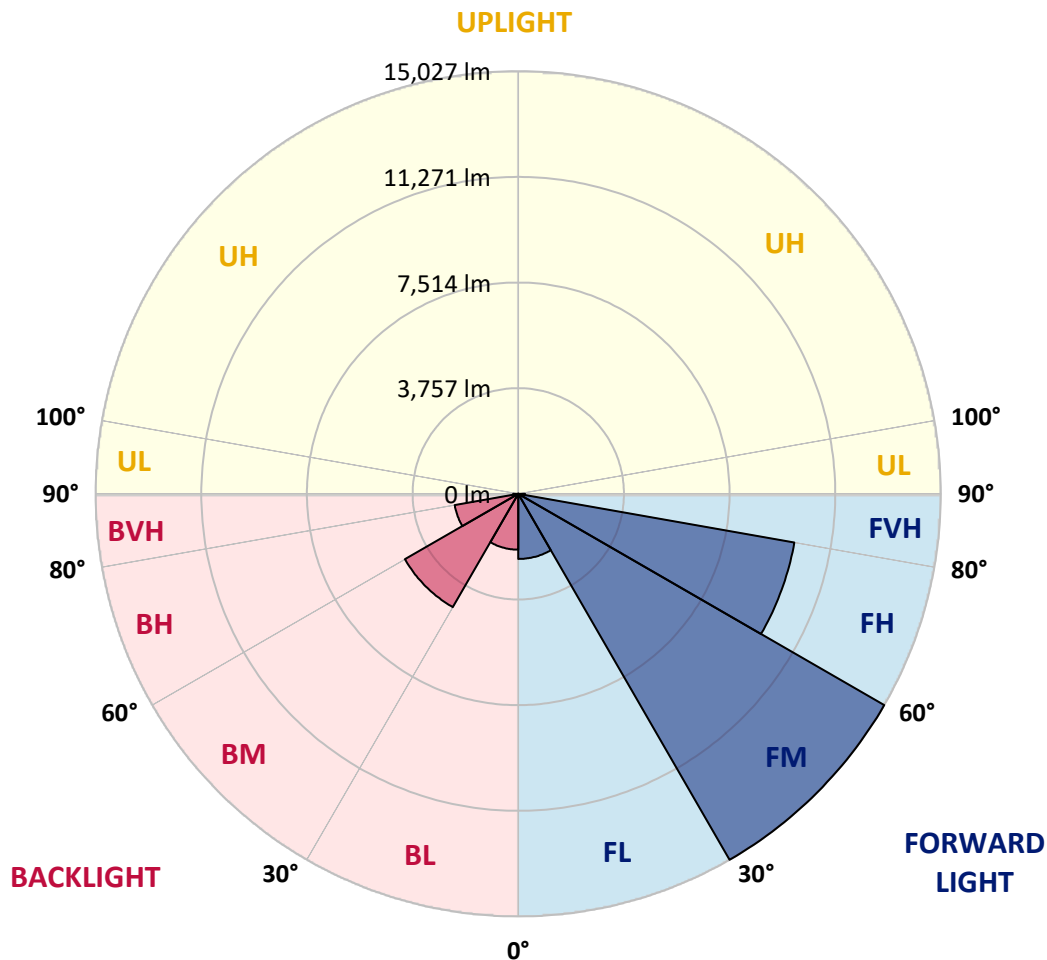


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2317.2	6.3			
FM (30°-60°)	15027.5	41.0			
FH (60°-80°)	9968.2	27.2			G4/12000
FVH (80°-90°)	240.0	0.7			G3/500
BL (0°-30°)	1986.3	5.4	B3/2500		
BM (30°-60°)	4654.0	12.7	B3/5000		
BH (60°-80°)	2294.6	6.3	B3/2500		G3/2500
BVH (80°-90°)	183.3	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**  
 Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	4067.3	4067.3	4067.3	4067.3	4067.3	4067.3	4067.3	4067.3	4067.3	4067.3
2.5°	4024.9	4048.0	4042.3	4032.6	4030.7	4034.5	4040.3	4046.1	4044.2	4053.8
5°	4013.4	4036.5	4034.5	4034.5	4042.3	4057.7	4067.3	4076.9	4067.3	4078.9
7.5°	4021.1	4038.4	4046.1	4053.8	4073.1	4102.0	4125.1	4146.3	4134.7	4148.2
10°	4119.3	4132.8	4140.5	4140.5	4154.0	4186.8	4209.9	4248.4	4238.8	4260.0
12.5°	4298.5	4312.0	4312.0	4304.3	4313.9	4335.1	4342.8	4385.2	4367.9	4402.5
15°	4518.2	4545.1	4523.9	4510.4	4514.3	4535.5	4533.6	4566.3	4549.0	4577.9
17.5°	4760.9	4795.6	4760.9	4759.0	4751.3	4774.4	4776.3	4805.2	4774.4	4795.6
20°	5048.0	5096.2	5067.3	5076.9	5059.6	5069.2	5078.8	5121.2	5073.0	5088.5
22.5°	5452.6	5510.4	5479.6	5516.2	5504.6	5496.9	5495.0	5570.1	5495.0	5500.8
25°	6042.2	6111.5	6057.6	6107.7	6107.7	6132.7	6161.6	6258.0	6132.7	6096.1
27.5°	6913.1	6982.4	6876.5	6907.3	6897.6	6959.3	6928.5	7167.4	7032.5	6972.8
30°	7961.2	8084.5	7884.1	7876.4	7866.8	7965.0	8009.4	8167.4	8030.6	7970.8
32.5°	9094.1	9223.2	8984.3	8914.9	8878.3	8938.0	8901.4	9028.6	8934.2	8841.7
35°	10292.5	10419.7	10192.3	10057.5	9911.0	9785.8	9654.8	9687.5	9598.9	9458.3
37.5°	11425.4	11658.6	11417.7	11273.2	11003.5	10758.8	10392.7	10240.5	10157.6	10028.6
40°	12579.5	12712.5	12529.4	12406.1	12113.3	11729.9	11144.1	10822.4	10710.6	10585.4
42.5°	13429.2	13556.4	13458.1	13373.3	13144.1	12699.0	11941.8	11539.1	11377.3	11236.6
45°	14103.6	14198.0	14136.3	14167.1	14068.9	13637.3	12768.4	12307.9	12140.2	11968.8
47.5°	14375.2	14475.4	14573.7	14756.7	14924.3	14606.4	13656.6	13140.2	12962.9	12787.6
50°	14344.4	14446.5	14731.7	15120.9	15641.1	15535.1	14593.0	14026.5	13862.7	13662.3
52.5°	14097.8	14213.4	14579.5	15226.8	16055.3	16230.7	15546.7	14941.7	14787.5	14548.6
55°	13450.4	13519.8	14068.9	14986.0	16153.6	16716.2	16481.1	15916.6	15762.5	15429.1
57.5°	12250.1	12350.3	13149.8	14336.7	15907.0	17045.7	17301.9	16941.6	16793.3	16313.5
60°	10683.6	10843.6	11758.8	13246.2	15278.9	17043.7	18047.6	17949.3	17826.0	17184.4
62.5°	8911.1	9096.0	9976.5	11704.8	14180.6	16560.1	18513.8	18793.2	18729.6	17987.8
65°	6843.7	6970.9	7847.5	9710.7	12471.6	15521.6	18567.8	19369.3	19380.8	18598.6
67.5°	4556.7	4922.8	5683.8	7286.8	10182.7	13824.2	18093.8	19463.7	19575.4	18808.6
70°	2223.4	2705.1	3450.7	4735.9	7286.8	11221.2	16854.9	18689.2	18937.7	18195.9
72.5°	922.9	1079.0	1485.5	2337.1	4182.9	7572.0	14365.6	16589.0	17049.5	16122.8
75°	622.3	674.4	849.7	1198.4	1905.5	3734.0	10360.0	12369.5	13111.3	12176.8
77.5°	479.8	512.5	618.5	838.1	1132.9	1412.3	5545.1	7454.5	7837.9	7256.0
80°	377.6	402.7	462.4	610.8	803.4	755.3	1890.1	3377.5	3599.1	3019.2
82.5°	327.5	337.2	331.4	414.2	533.7	441.2	620.4	1246.6	1375.7	998.0
85°	237.0	264.0	275.5	256.3	283.2	223.5	254.3	441.2	485.5	433.5
87.5°	96.3	142.6	175.3	165.7	104.0	63.6	79.0	129.1	148.4	161.8
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°
4067.3	0°	4067.3	4067.3	4067.3	4067.3	4067.3	4067.3	4067.3	4067.3	4067.3
4069.2	2.5°	4071.2	4084.6	4094.3	4105.8	4113.5	4125.1	4148.2	4161.7	4163.6
4100.1	5°	4107.8	4127.0	4148.2	4179.0	4213.7	4242.6	4286.9	4317.8	4329.3
4175.2	7.5°	4186.8	4213.7	4252.3	4306.2	4356.3	4394.8	4448.8	4485.4	4522.0
4294.7	10°	4304.3	4342.8	4398.7	4471.9	4525.9	4576.0	4631.8	4662.7	4699.3
4437.2	12.5°	4450.7	4491.2	4564.4	4666.5	4716.6	4751.3	4770.6	4762.8	4770.6
4608.7	15°	4618.3	4662.7	4745.5	4855.3	4890.0	4859.2	4816.8	4778.3	4772.5
4816.8	17.5°	4816.8	4849.5	4945.9	5038.4	5013.3	4886.2	4793.7	4732.0	4701.2
5082.7	20°	5094.2	5094.2	5173.2	5231.0	5063.4	4847.6	4703.1	4602.9	4539.3
5444.9	22.5°	5431.4	5400.6	5450.7	5410.2	5053.8	4739.7	4539.3	4365.9	4269.6
5951.6	25°	5859.1	5822.5	5809.1	5558.6	4984.4	4568.2	4242.6	4032.6	3947.8
6681.9	27.5°	6504.6	6412.1	6236.8	5639.5	4857.3	4298.5	3895.8	3701.2	3653.1
7620.2	30°	7363.9	7178.9	6749.3	5653.0	4649.2	3917.0	3541.3	3402.6	3379.5
8408.2	32.5°	8159.6	7984.3	7273.4	5591.3	4329.3	3543.2	3223.4	3130.9	3096.2
9009.3	35°	8783.9	8735.7	7758.9	5504.6	3936.3	3192.6	2938.2	2859.2	2791.8
9575.8	37.5°	9373.5	9354.2	8123.0	5383.2	3547.1	2944.0	2709.0	2604.9	2506.7
10202.0	40°	10020.9	10001.6	8361.9	5196.4	3202.2	2728.2	2502.8	2366.0	2244.6
10911.0	42.5°	10749.2	10635.5	8475.6	4928.5	2909.3	2545.2	2335.2	2150.2	1990.3
11712.5	45°	11544.9	11288.6	8473.7	4587.5	2662.7	2377.6	2156.0	1894.0	1745.6
12535.2	47.5°	12388.8	11912.9	8369.7	4209.9	2423.8	2192.6	1878.5	1678.2	1579.9
13429.2	50°	13259.7	12496.7	8192.4	3776.4	2179.1	1982.6	1705.1	1568.3	1493.2
14315.5	52.5°	14078.5	13026.5	7978.5	3285.1	1930.6	1778.4	1628.1	1522.1	1443.1
15174.8	55°	14839.6	13483.2	7676.0	2782.2	1728.3	1641.6	1591.5	1502.8	1412.3
16047.6	57.5°	15515.8	13779.9	7153.9	2310.1	1583.8	1547.2	1552.9	1470.1	1366.0
16906.9	60°	16078.4	13997.6	6381.3	1872.8	1466.2	1454.7	1493.2	1408.4	1287.0
17633.3	62.5°	16415.6	13993.7	5433.3	1533.7	1366.0	1369.9	1414.2	1331.4	1208.1
18012.9	65°	16386.7	13650.8	4392.9	1312.1	1269.7	1273.6	1331.4	1246.6	1142.5
17822.1	67.5°	15806.8	12814.6	3369.8	1167.6	1163.7	1181.1	1248.5	1188.8	1102.1
16685.4	70°	14236.5	11078.6	2427.7	1052.0	1053.9	1079.0	1167.6	1152.2	1080.9
14028.4	72.5°	11415.8	8446.7	1630.0	930.6	932.5	973.0	1090.5	1123.3	1059.7
9953.4	75°	7602.8	5267.6	1048.1	801.5	803.4	855.5	1023.1	1067.4	1001.9
5179.0	77.5°	3653.1	2367.9	759.1	674.4	674.4	722.5	884.4	955.7	853.5
1664.7	80°	1262.0	890.1	597.3	543.3	531.8	564.5	745.6	828.5	736.0
543.3	82.5°	497.1	462.4	479.8	422.0	383.4	404.6	579.9	684.0	541.4
306.3	85°	285.2	300.6	339.1	279.4	221.6	248.5	425.8	491.3	408.5
100.2	87.5°	77.1	106.0	156.1	144.5	100.2	106.0	202.3	271.7	235.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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180°
4067.3
4171.3
4337.0
4537.4
4722.4
4787.9
4789.8
4705.0
4506.6
4225.3
3930.5
3660.8
3421.8
3123.2
2788.0
2454.6
2156.0
1905.5
1657.0
1516.3
1427.7
1366.0
1323.7
1277.4
1198.4
1132.9
1105.9
1104.0
1086.7
1177.2
1167.6
824.6
635.8
487.5
368.0
186.9
0.0

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