

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: P851597

Luminaire Tested: **GLAN-SB9C-927-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851597
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9C-927-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34452 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

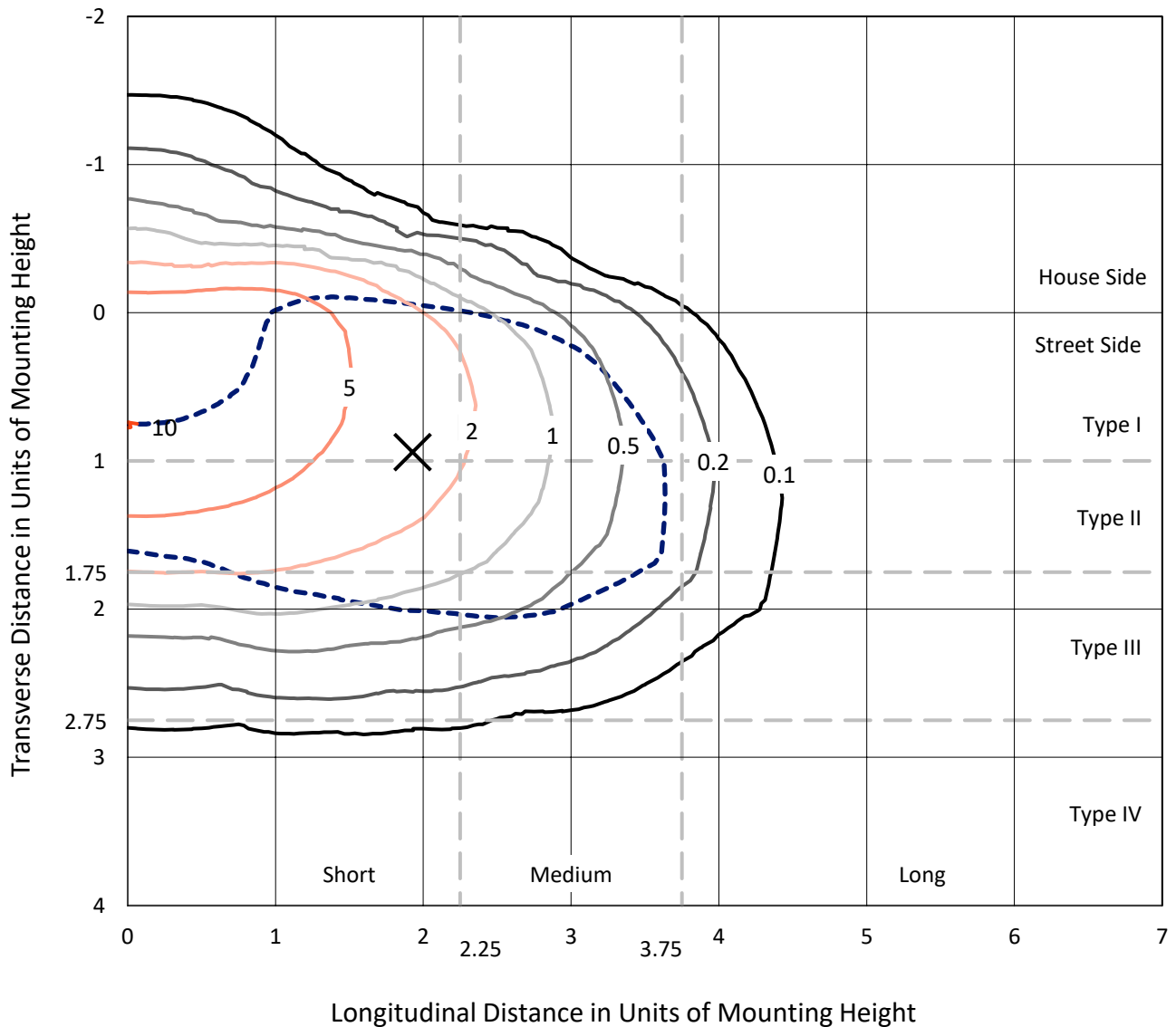
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

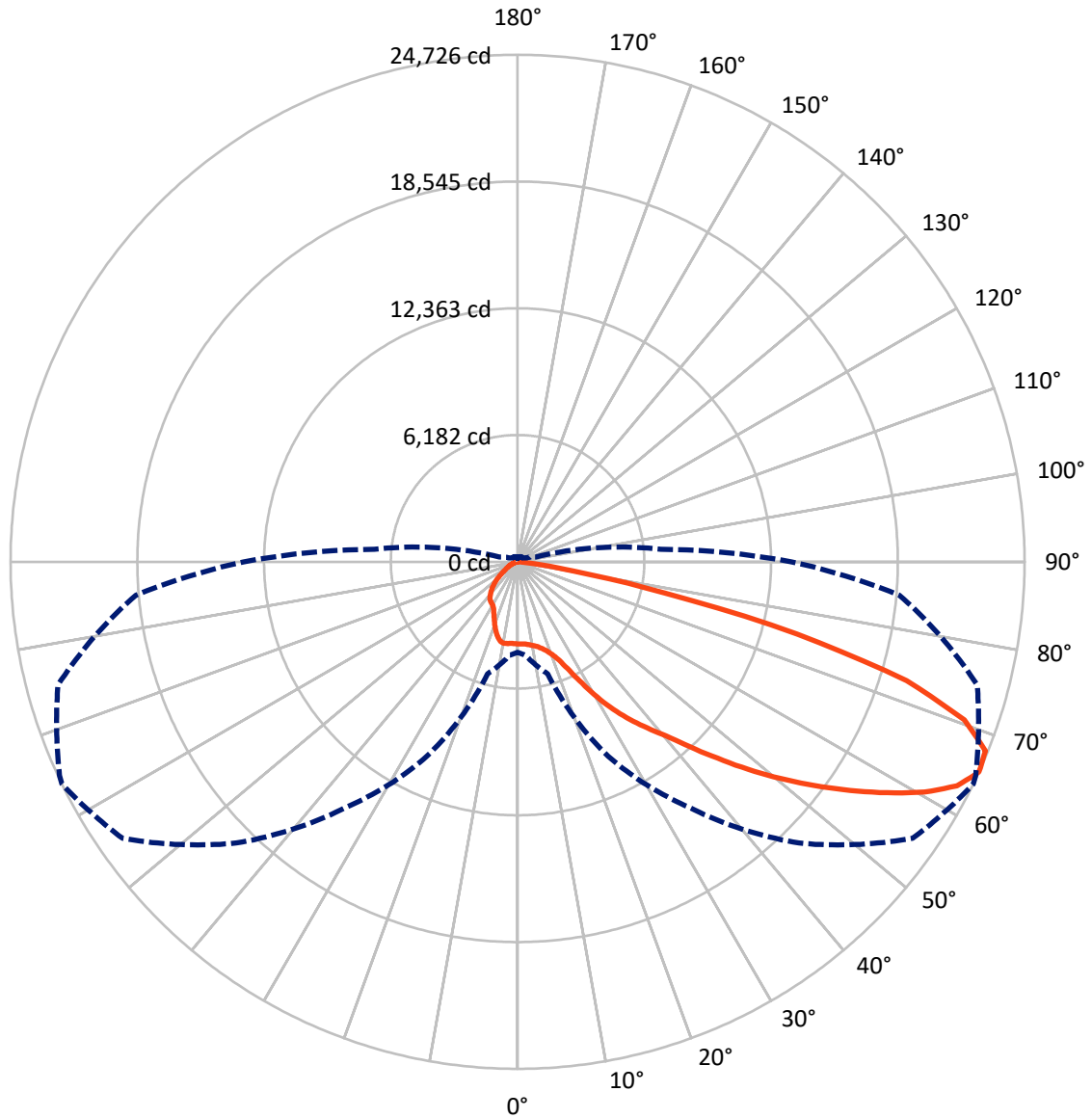
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4607.3	0.0	4607.3
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	29844.7	0.0	29844.7
	% Fixture	86.6	0.0	86.6
Total	Lumens	34452.0	0.0	34452.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	369.7	1.1
10°-20°	1002.7	2.9
20°-30°	1900.1	5.5
30°-40°	3844.9	11.2
40°-50°	6549.8	19.0
50°-60°	8907.2	25.9
60°-70°	8364.3	24.3
70°-80°	3351.1	9.7
80°-90°	162.3	0.5
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°	34452.0	100.0
0°-180°	34452.0	100.0

Coefficient of Utilization

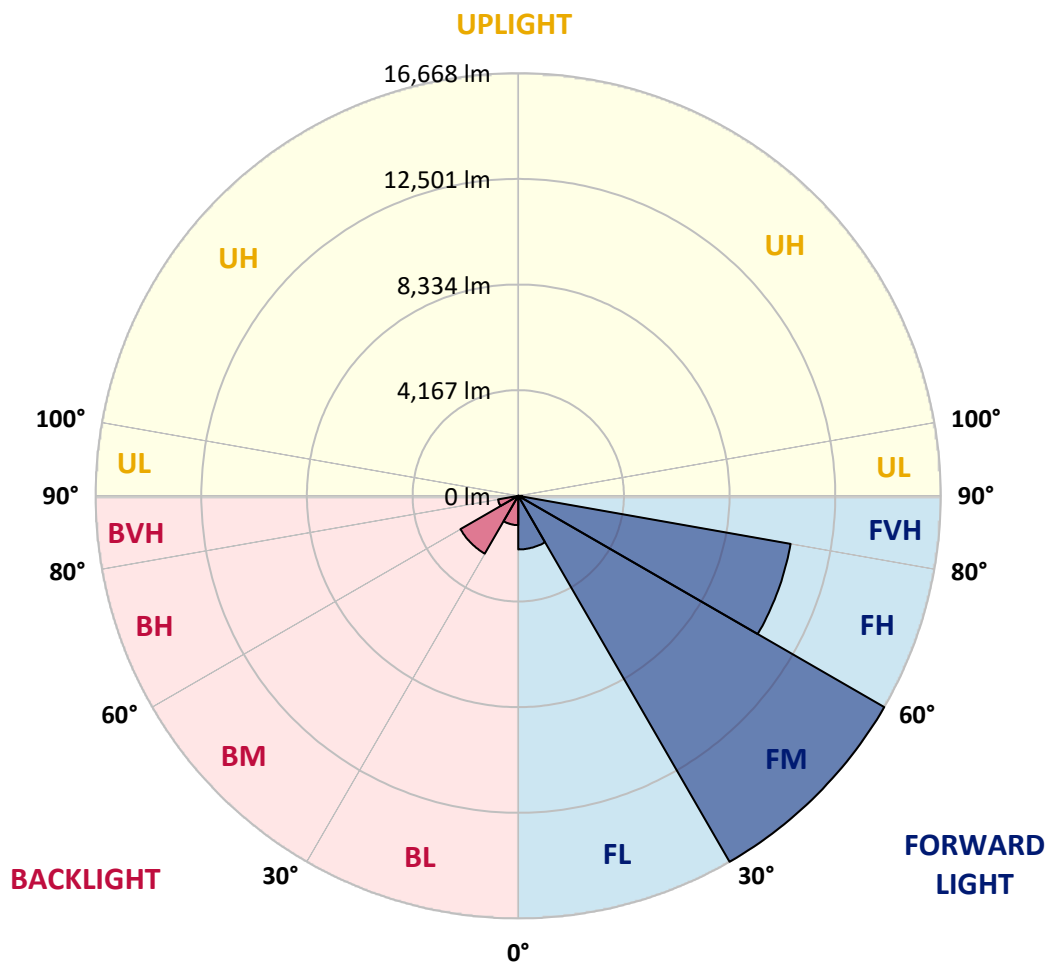


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2115.8	6.1			
FM (30°-60°)	16667.8	48.4			
FH (60°-80°)	10906.7	31.7			G4/12000
FVH (80°-90°)	154.4	0.4			G2/225
BL (0°-30°)	1156.8	3.4	B3/2500		
BM (30°-60°)	2633.9	7.6	B3/5000		
BH (60°-80°)	808.6	2.3	B2/1000		G2/1000
BVH (80°-90°)	7.9	0.0			G0/10
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°	64°	65°	75°
0°	4007.1	4007.1	4007.1	4007.1	4007.1	4007.1	4007.1	4007.1	4007.1	4007.1
2.5°	3993.3	4021.0	4014.1	4007.1	4004.8	4009.4	4011.7	4009.4	4009.4	4009.4
5°	3917.1	3940.1	3940.1	3956.3	3979.4	4007.1	4027.9	4032.5	4037.1	4044.1
7.5°	3771.5	3790.0	3803.9	3857.0	3914.7	3988.6	4051.0	4083.3	4088.0	4113.4
10°	3672.2	3695.3	3718.4	3773.9	3857.0	3967.9	4074.1	4152.6	4164.2	4224.2
12.5°	3667.6	3690.7	3720.7	3780.8	3877.8	3995.6	4124.9	4238.1	4258.9	4346.6
15°	3716.1	3743.8	3771.5	3845.5	3949.4	4092.6	4231.2	4372.0	4392.8	4517.5
17.5°	3815.4	3852.4	3873.2	3947.1	4057.9	4217.3	4399.8	4561.4	4579.9	4725.4
20°	4011.7	4055.6	4062.6	4122.6	4231.2	4402.1	4619.2	4820.1	4843.2	5009.5
22.5°	4418.2	4480.6	4425.2	4455.2	4552.2	4723.1	4958.7	5212.7	5245.1	5434.4
25°	5134.2	5222.0	5078.8	5028.0	5069.5	5247.4	5543.0	5864.0	5901.0	6053.4
27.5°	6540.7	6427.6	6210.5	5998.0	5873.3	5974.9	6307.5	6704.7	6750.9	6898.7
30°	8085.8	7986.5	7693.2	7222.1	6926.4	6910.3	7217.4	7660.9	7714.0	7854.9
32.5°	9633.3	9538.6	9219.9	8640.1	8127.4	7873.4	8085.8	8577.8	8605.5	8695.6
35°	11155.3	11058.3	10739.6	10146.0	9515.5	8938.1	8896.5	9450.8	9460.0	9554.7
37.5°	12686.5	12605.7	12266.2	11684.2	11062.9	10266.1	9880.4	10277.6	10289.2	10381.6
40°	13779.0	13813.6	13580.3	13130.0	12596.5	11725.7	10984.4	11157.6	11088.3	11243.0
42.5°	14716.7	14785.9	14582.7	14356.4	14046.9	13280.1	12351.6	12321.6	12210.8	12293.9
45°	15527.3	15585.1	15402.6	15349.5	15342.6	14804.4	13845.9	13665.8	13511.1	13494.9
47.5°	15825.3	15936.1	16014.6	16192.5	16538.9	16312.6	15391.1	15111.6	14938.4	14811.4
50°	15938.4	16056.2	16324.1	16841.5	17661.4	17758.4	16929.2	16615.1	16402.7	16171.7
52.5°	15786.0	15996.2	16356.5	17227.2	18416.6	18917.8	18405.1	18130.2	17887.7	17511.3
55°	14887.6	15097.7	15834.5	17222.6	18793.1	19730.8	19800.0	19677.6	19405.1	18811.5
57.5°	12993.7	13305.5	14471.8	16635.9	18786.1	20430.6	21167.3	21255.1	20950.2	20100.3
60°	10370.0	10792.7	12215.4	15335.6	18206.4	20809.3	22366.0	22804.8	22481.5	21370.6
62.5°	7235.9	7725.6	9072.0	13298.6	16880.7	20536.8	23241.3	24052.0	23807.2	22506.9
65°	4413.6	4570.7	5656.2	10464.7	14626.6	19395.9	23511.5	24726.4	24645.6	23202.1
67.5°	2940.1	3071.7	3383.5	7175.9	11353.9	17116.3	22864.9	24608.6	24631.7	23088.9
70°	1771.4	1884.6	2087.9	4173.4	7358.3	13548.0	20862.5	23107.4	23241.3	21576.1
72.5°	729.8	806.0	990.8	1891.5	3810.8	8598.6	16612.8	19839.3	20151.1	18141.8
75°	413.4	452.7	582.0	949.2	1653.7	4007.1	10062.9	14083.8	14543.4	12504.1
77.5°	274.8	293.3	376.5	614.3	930.8	1367.3	4300.4	7337.5	8215.2	6829.4
80°	184.8	200.9	258.7	411.1	605.1	586.6	1369.6	2718.4	3344.3	2346.5
82.5°	124.7	127.0	184.8	270.2	383.4	284.1	404.2	845.3	1062.4	679.0
85°	71.6	69.3	136.3	157.1	170.9	117.8	122.4	254.1	332.6	286.4
87.5°	9.2	13.9	53.1	41.6	23.1	25.4	25.4	43.9	64.7	69.3
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°
4007.1	0°	4007.1	4007.1	4007.1	4007.1	4007.1	4007.1	4007.1	4007.1	4007.1	4007.1
4011.7	2.5°	4011.7	4009.4	4002.5	3995.6	3979.4	3970.2	3974.8	3970.2	3967.9	3970.2
4041.8	5°	4041.8	4034.8	4016.4	3993.3	3960.9	3921.7	3896.3	3859.3	3824.7	3803.9
4122.6	7.5°	4122.6	4115.7	4090.3	4025.6	3921.7	3757.7	3607.6	3475.9	3376.6	3318.9
4251.9	10°	4251.9	4240.4	4201.1	4057.9	3785.4	3427.4	3129.5	2882.4	2720.7	2644.5
4404.4	12.5°	4404.4	4390.5	4321.2	4027.9	3526.7	2967.8	2556.7	2281.9	2131.7	2064.8
4579.9	15°	4584.5	4566.0	4429.8	3884.7	3150.3	2459.7	2083.2	1877.7	1780.7	1720.6
4803.9	17.5°	4808.6	4776.2	4510.6	3669.9	2741.5	2071.7	1792.2	1637.5	1552.0	1494.3
5097.2	20°	5099.6	5046.4	4575.3	3413.6	2365.0	1826.9	1595.9	1466.6	1401.9	1351.1
5513.0	22.5°	5506.0	5429.8	4653.8	3136.4	2099.4	1658.3	1450.4	1355.7	1302.6	1244.9
6092.7	25°	6009.5	5919.5	4750.8	2880.0	1917.0	1512.8	1344.2	1265.7	1203.3	1136.3
6852.5	27.5°	6714.0	6552.3	4866.3	2669.9	1759.9	1388.1	1247.2	1159.4	1087.8	1032.4
7714.0	30°	7499.2	7233.6	4967.9	2542.9	1616.7	1272.6	1120.1	1032.4	965.4	926.1
8487.7	32.5°	8242.9	7882.6	5034.9	2487.4	1487.4	1140.9	981.6	886.9	836.1	824.5
9245.3	35°	8945.0	8469.2	5028.0	2434.3	1371.9	1009.3	845.3	748.3	709.0	716.0
10060.5	37.5°	9753.4	9095.1	4979.5	2351.2	1277.2	889.2	727.5	642.1	607.4	609.7
11051.4	40°	10693.4	9818.0	4949.4	2194.1	1173.3	778.3	630.5	561.2	535.8	526.6
12095.3	42.5°	11695.7	10517.8	4954.1	2016.3	1043.9	679.0	563.5	505.8	482.7	475.8
13257.0	45°	12702.7	11185.3	4961.0	1831.5	907.7	602.8	515.0	466.5	452.7	443.4
14434.9	47.5°	13649.6	11753.5	4831.6	1632.9	773.7	545.1	475.8	443.4	431.9	420.3
15617.4	50°	14531.9	12132.2	4519.9	1401.9	667.5	498.9	445.7	422.7	411.1	399.6
16689.0	52.5°	15217.8	12192.3	4004.8	1164.0	593.6	464.2	427.3	406.5	392.6	381.1
17555.1	55°	15522.7	11815.8	3272.7	942.3	535.8	434.2	408.8	388.0	371.8	360.3
18236.5	57.5°	15444.2	11023.6	2552.1	757.5	480.4	404.2	385.7	371.8	353.4	334.9
18788.5	60°	15058.5	9963.5	1923.9	630.5	429.6	371.8	360.3	348.7	323.3	295.6
19000.9	62.5°	14391.0	8630.9	1371.9	522.0	374.2	334.9	330.3	321.0	284.1	233.3
18686.8	65°	13370.2	7011.9	923.8	434.2	321.0	293.3	295.6	279.5	231.0	173.2
17536.7	67.5°	11878.2	5127.3	591.3	355.7	267.9	244.8	247.1	237.9	196.3	147.8
15356.4	70°	9977.4	3395.1	385.7	270.2	214.8	189.4	203.2	205.6	166.3	120.1
11785.8	72.5°	7314.4	2004.7	270.2	200.9	157.1	131.6	166.3	170.9	134.0	90.1
7090.4	75°	4168.8	951.5	203.2	145.5	97.0	92.4	129.3	129.3	92.4	60.0
3069.4	77.5°	1750.7	397.2	143.2	94.7	55.4	53.1	87.8	80.8	46.2	27.7
748.3	80°	505.8	177.8	76.2	46.2	23.1	20.8	34.6	25.4	11.5	4.6
284.1	82.5°	198.6	78.5	30.0	18.5	9.2	9.2	4.6	0.0	0.0	0.0
161.7	85°	117.8	32.3	13.9	6.9	2.3	0.0	0.0	0.0	0.0	0.0
34.6	87.5°	30.0	6.9	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
4007.1
3979.4
3808.5
3321.2
2637.5
2057.8
1722.9
1489.7
1341.9
1235.6
1129.4
1020.8
919.2
831.4
716.0
619.0
524.3
473.5
443.4
420.3
399.6
378.8
358.0
332.6
291.0
228.6
168.6
140.9
115.5
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