

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: P850227

Luminaire Tested: **GLAN-SB7C-850-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850227
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-SB7C-850-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 5000K, 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: 35866 lumens
Efficiency: N/A
Efficacy: 102.3 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

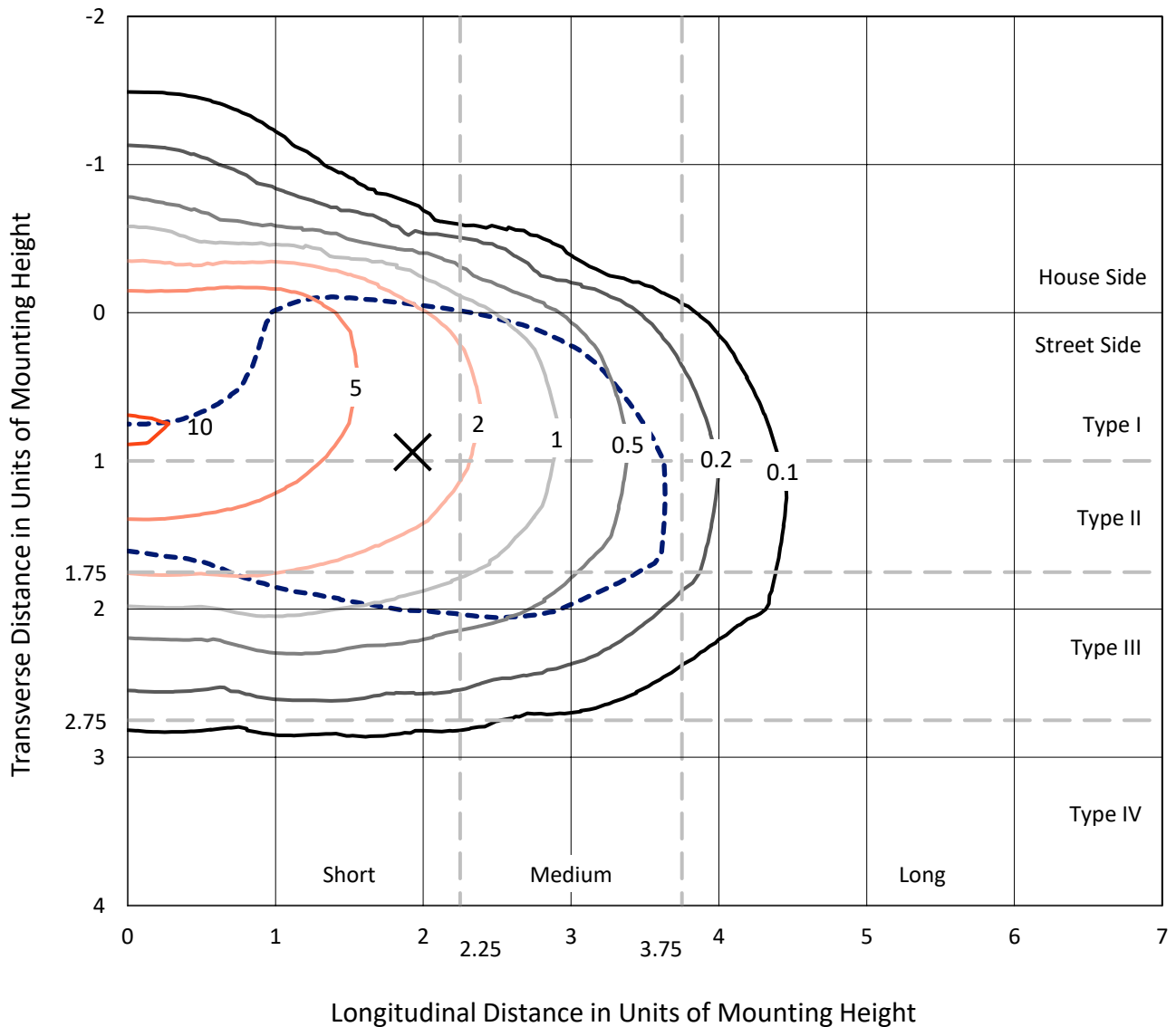
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

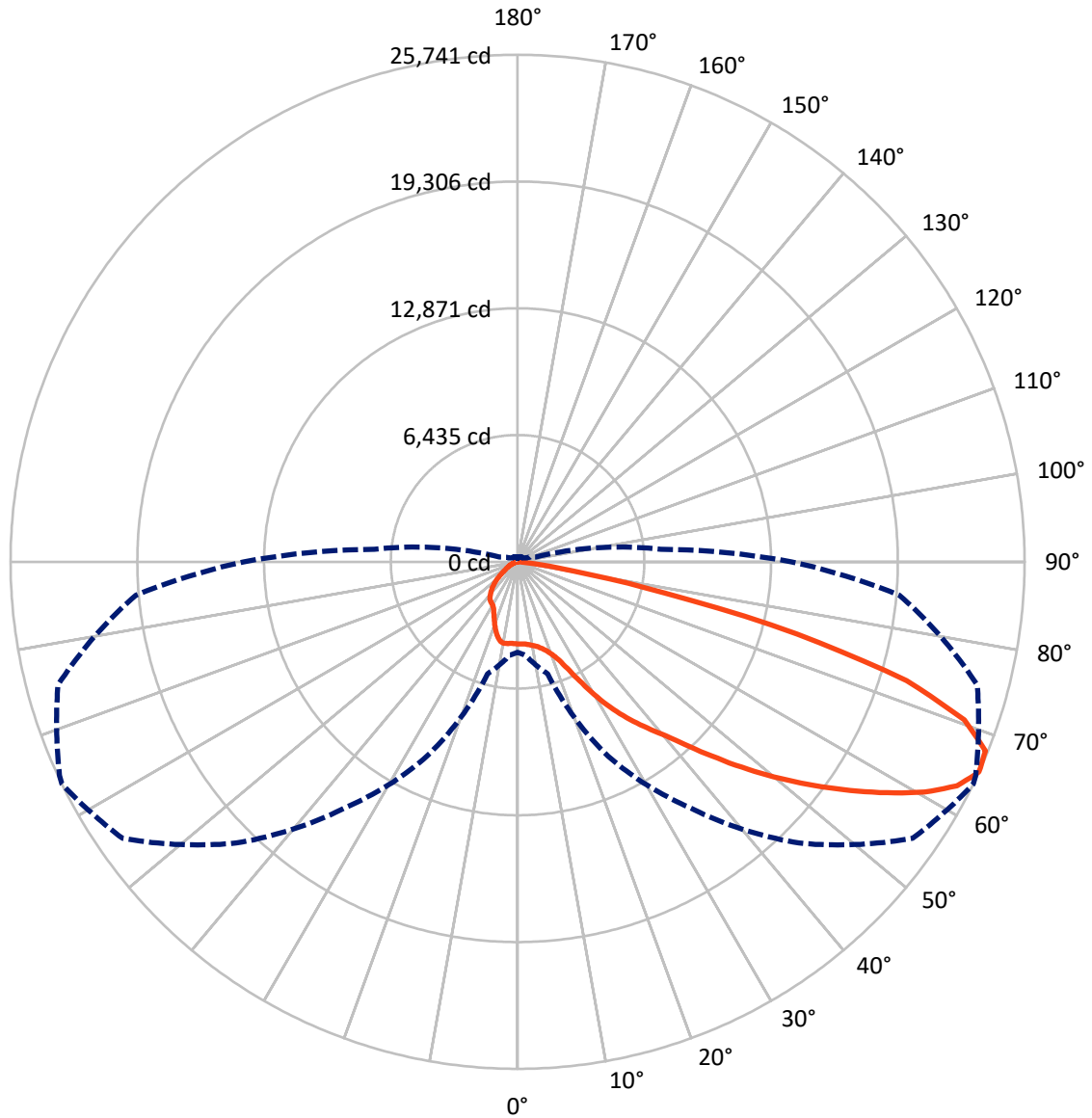
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.5 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	4796.4	0.0	4796.4
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	31069.6	0.0	31069.6
	% Fixture	86.6	0.0	86.6
Total	Lumens	35866.0	0.0	35866.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	384.9	1.1
10°-20°	1043.9	2.9
20°-30°	1978.1	5.5
30°-40°	4002.7	11.2
40°-50°	6818.6	19.0
50°-60°	9272.7	25.9
60°-70°	8707.6	24.3
70°-80°	3488.6	9.7
80°-90°	169.0	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°	35866.0	100.0
0°-180°	35866.0	100.0

Coefficient of Utilization



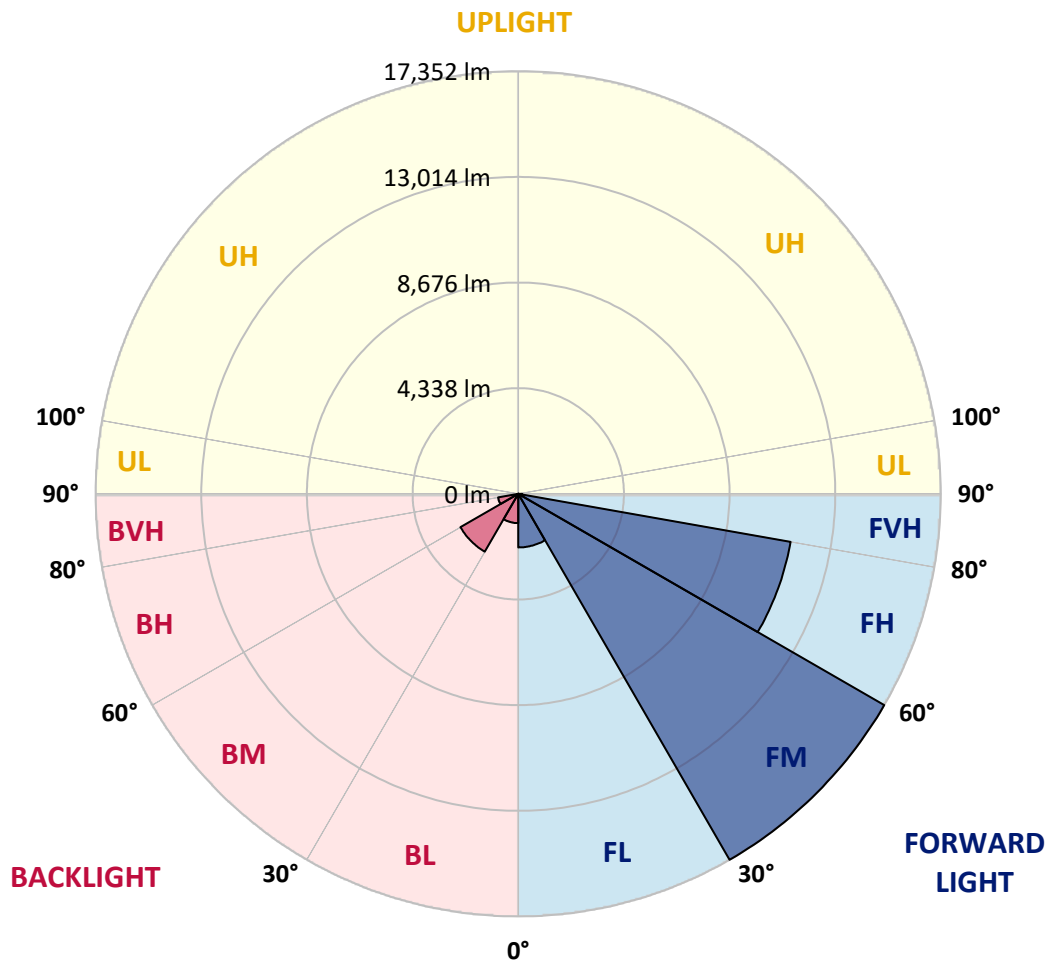
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2202.6	6.1			
FM (30°-60°)	17351.9	48.4			
FH (60°-80°)	11354.4	31.7			G4/12000
FVH (80°-90°)	160.8	0.4			G2/225
BL (0°-30°)	1204.2	3.4	B3/2500		
BM (30°-60°)	2742.1	7.6	B3/5000		
BH (60°-80°)	841.8	2.3	B2/1000		G2/1000
BVH (80°-90°)	8.3	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°	4171.6	4171.6	4171.6	4171.6	4171.6	4171.6	4171.6	4171.6	4171.6	4171.6
2.5°	4157.2	4186.0	4178.8	4171.6	4169.2	4174.0	4176.4	4174.0	4174.0	4174.0
5°	4077.8	4101.9	4101.9	4118.7	4142.7	4171.6	4193.2	4198.0	4202.8	4210.1
7.5°	3926.3	3945.6	3960.0	4015.3	4075.4	4152.4	4217.3	4250.9	4255.7	4282.2
10°	3823.0	3847.0	3871.0	3928.7	4015.3	4130.7	4241.3	4323.1	4335.1	4397.6
12.5°	3818.1	3842.2	3873.4	3936.0	4036.9	4159.6	4294.2	4412.0	4433.7	4525.0
15°	3868.6	3897.5	3926.3	4003.3	4111.5	4260.6	4404.8	4551.5	4573.1	4703.0
17.5°	3972.0	4010.5	4032.1	4109.1	4224.5	4390.4	4580.3	4748.6	4767.9	4919.3
20°	4176.4	4222.1	4229.3	4291.8	4404.8	4582.7	4808.7	5017.9	5042.0	5215.1
22.5°	4599.6	4664.5	4606.8	4638.0	4739.0	4916.9	5162.2	5426.7	5460.3	5657.5
25°	5344.9	5436.3	5287.2	5234.3	5277.6	5462.7	5770.5	6104.7	6143.2	6301.9
27.5°	6809.2	6691.4	6465.4	6244.2	6114.3	6220.1	6566.3	6979.9	7028.0	7181.9
30°	8417.7	8314.3	8009.0	7518.5	7210.7	7193.9	7513.7	7975.3	8030.6	8177.3
32.5°	10028.6	9930.1	9598.3	8994.8	8461.0	8196.5	8417.7	8929.8	8958.7	9052.5
35°	11613.1	11512.1	11180.3	10562.4	9906.0	9304.9	9261.6	9838.7	9848.3	9946.9
37.5°	13207.2	13123.1	12769.6	12163.7	11516.9	10687.4	10285.9	10699.5	10711.5	10807.7
40°	14344.5	14380.6	14137.7	13668.9	13113.5	12207.0	11435.2	11615.5	11543.4	11704.5
42.5°	15320.7	15392.8	15181.2	14945.6	14623.4	13825.1	12858.6	12827.3	12711.9	12798.5
45°	16164.6	16224.7	16034.8	15979.5	15972.3	15412.0	14414.2	14226.7	14065.6	14048.8
47.5°	16474.8	16590.2	16671.9	16857.1	17217.7	16982.1	16022.7	15731.8	15551.5	15419.2
50°	16592.6	16715.2	16994.1	17532.7	18386.2	18487.2	17624.1	17297.1	17075.9	16835.4
52.5°	16433.9	16652.7	17027.8	17934.2	19172.5	19694.2	19160.5	18874.3	18621.9	18230.0
55°	15498.6	15717.4	16484.4	17929.4	19564.4	20540.6	20612.7	20485.3	20201.5	19583.6
57.5°	13527.0	13851.6	15065.8	17318.7	19557.2	21269.1	22036.1	22127.5	21810.1	20925.3
60°	10795.6	11235.6	12716.7	15965.0	18953.7	21663.4	23284.0	23740.8	23404.2	22247.7
62.5°	7532.9	8042.6	9444.4	13844.4	17573.6	21379.7	24195.2	25039.1	24784.3	23430.6
65°	4594.8	4758.3	5888.3	10894.2	15226.9	20191.9	24476.5	25741.2	25657.1	24154.3
67.5°	3060.8	3197.8	3522.4	7470.4	11819.9	17818.8	23803.3	25618.6	25642.6	24036.5
70°	1844.2	1962.0	2173.6	4344.7	7660.3	14104.1	21718.7	24055.8	24195.2	22461.7
72.5°	759.8	839.1	1031.5	1969.2	3967.2	8951.5	17294.7	20653.6	20978.2	18886.4
75°	430.4	471.3	605.9	988.2	1721.5	4171.6	10475.9	14661.9	15140.3	13017.3
77.5°	286.1	305.4	391.9	639.6	969.0	1423.4	4476.9	7638.7	8552.4	7109.7
80°	192.3	209.2	269.3	428.0	629.9	610.7	1425.8	2829.9	3481.5	2442.8
82.5°	129.8	132.2	192.3	281.3	399.1	295.7	420.8	880.0	1106.0	706.9
85°	74.5	72.1	141.9	163.5	177.9	122.6	127.4	264.5	346.2	298.1
87.5°	9.6	14.4	55.3	43.3	24.0	26.4	26.4	45.7	67.3	72.1
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°
4171.6	0°	4171.6	4171.6	4171.6	4171.6	4171.6	4171.6	4171.6	4171.6	4171.6	4171.6
4176.4	2.5°	4176.4	4174.0	4166.8	4159.6	4142.7	4133.1	4137.9	4133.1	4130.7	4133.1
4207.7	5°	4207.7	4200.4	4181.2	4157.2	4123.5	4082.6	4056.2	4017.7	3981.6	3960.0
4291.8	7.5°	4291.8	4284.6	4258.1	4190.8	4082.6	3911.9	3755.6	3618.6	3515.2	3455.1
4426.5	10°	4426.5	4414.4	4373.6	4224.5	3940.8	3568.1	3257.9	3000.7	2832.4	2753.0
4585.1	12.5°	4585.1	4570.7	4498.6	4193.2	3671.5	3089.6	2661.6	2375.5	2219.2	2149.5
4767.9	15°	4772.7	4753.4	4611.6	4044.2	3279.6	2560.7	2168.7	1954.8	1853.8	1791.3
5001.1	17.5°	5005.9	4972.2	4695.7	3820.5	2854.0	2156.7	1865.8	1704.7	1615.7	1555.6
5306.5	20°	5308.9	5253.6	4763.1	3553.7	2462.1	1901.9	1661.4	1526.8	1459.5	1406.6
5739.2	22.5°	5732.0	5652.7	4844.8	3265.1	2185.6	1726.3	1509.9	1411.4	1356.1	1296.0
6342.7	25°	6256.2	6162.4	4945.8	2998.3	1995.6	1574.9	1399.3	1317.6	1252.7	1183.0
7133.8	27.5°	6989.5	6821.2	5066.0	2779.5	1832.1	1445.0	1298.4	1207.0	1132.5	1074.8
8030.6	30°	7807.0	7530.5	5171.8	2647.2	1683.1	1324.8	1166.1	1074.8	1005.0	964.2
8836.1	32.5°	8581.2	8206.1	5241.5	2589.5	1548.4	1187.8	1021.9	923.3	870.4	858.4
9624.7	35°	9312.1	8816.8	5234.3	2534.2	1428.2	1050.7	880.0	779.0	738.1	745.4
10473.5	37.5°	10153.7	9468.4	5183.8	2447.7	1329.6	925.7	757.4	668.4	632.4	634.8
11504.9	40°	11132.2	10221.0	5152.6	2284.2	1221.4	810.3	656.4	584.3	557.8	548.2
12591.7	42.5°	12175.7	10949.5	5157.4	2099.0	1086.8	706.9	586.7	526.6	502.5	495.3
13801.1	45°	13224.1	11644.4	5164.6	1906.7	944.9	627.5	536.2	485.7	471.3	461.6
15027.3	47.5°	14209.8	12235.9	5029.9	1699.9	805.5	567.4	495.3	461.6	449.6	437.6
16258.4	50°	15128.3	12630.2	4705.4	1459.5	694.9	519.3	464.0	440.0	428.0	416.0
17374.0	52.5°	15842.4	12692.7	4169.2	1211.8	617.9	483.3	444.8	423.2	408.7	396.7
18275.6	55°	16159.8	12300.8	3407.0	981.0	557.8	452.0	425.6	403.9	387.1	375.1
18984.9	57.5°	16078.0	11476.1	2656.8	788.6	500.1	420.8	401.5	387.1	367.9	348.6
19559.6	60°	15676.5	10372.5	2002.8	656.4	447.2	387.1	375.1	363.1	336.6	307.8
19780.8	62.5°	14981.7	8985.1	1428.2	543.4	389.5	348.6	343.8	334.2	295.7	242.8
19453.8	65°	13918.9	7299.7	961.7	452.0	334.2	305.4	307.8	290.9	240.4	180.3
18256.4	67.5°	12365.7	5337.7	615.5	370.3	278.9	254.9	257.3	247.7	204.4	153.9
15986.7	70°	10386.9	3534.4	401.5	281.3	223.6	197.2	211.6	214.0	173.1	125.0
12269.5	72.5°	7614.7	2087.0	281.3	209.2	163.5	137.0	173.1	177.9	139.5	93.8
7381.4	75°	4339.9	990.6	211.6	151.5	101.0	96.2	134.6	134.6	96.2	62.5
3195.4	77.5°	1822.5	413.6	149.1	98.6	57.7	55.3	91.4	84.2	48.1	28.9
779.0	80°	526.6	185.1	79.3	48.1	24.0	21.6	36.1	26.4	12.0	4.8
295.7	82.5°	206.8	81.7	31.3	19.2	9.6	9.6	4.8	0.0	0.0	0.0
168.3	85°	122.6	33.7	14.4	7.2	2.4	0.0	0.0	0.0	0.0	0.0
36.1	87.5°	31.3	7.2	4.8	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°
4171.6
4142.7
3964.8
3457.5
2745.8
2142.3
1793.7
1550.8
1396.9
1286.3
1175.7
1062.7
956.9
865.6
745.4
644.4
545.8
492.9
461.6
437.6
416.0
394.3
372.7
346.2
303.0
238.0
175.5
146.7
120.2
89.0
57.7
28.9
4.8
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