

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: P850237

Luminaire Tested: **GLAN-SB7C-927-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850237  
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-927-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 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: 26899 lumens  
Efficiency: N/A  
Efficacy: 76.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G4

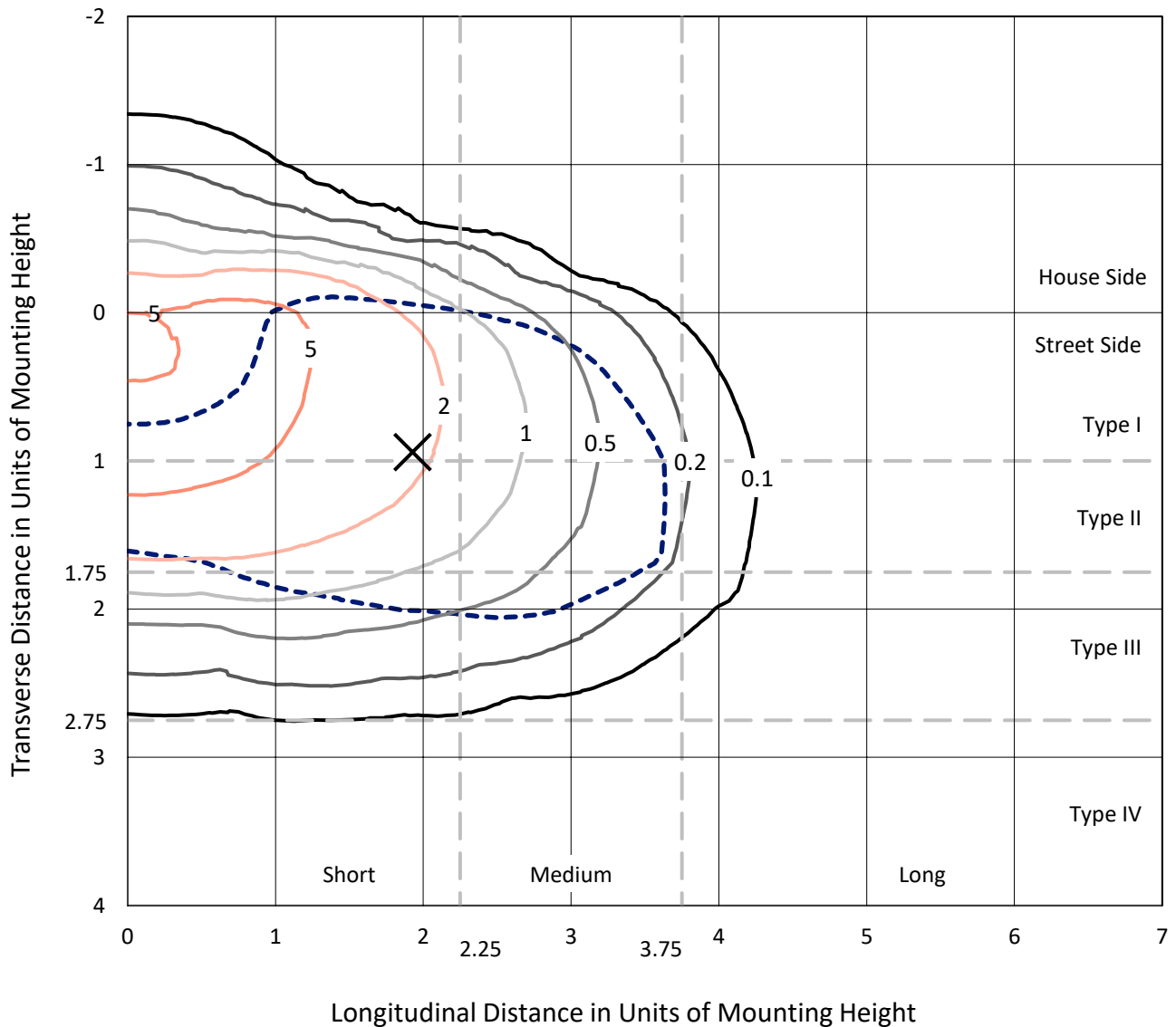
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

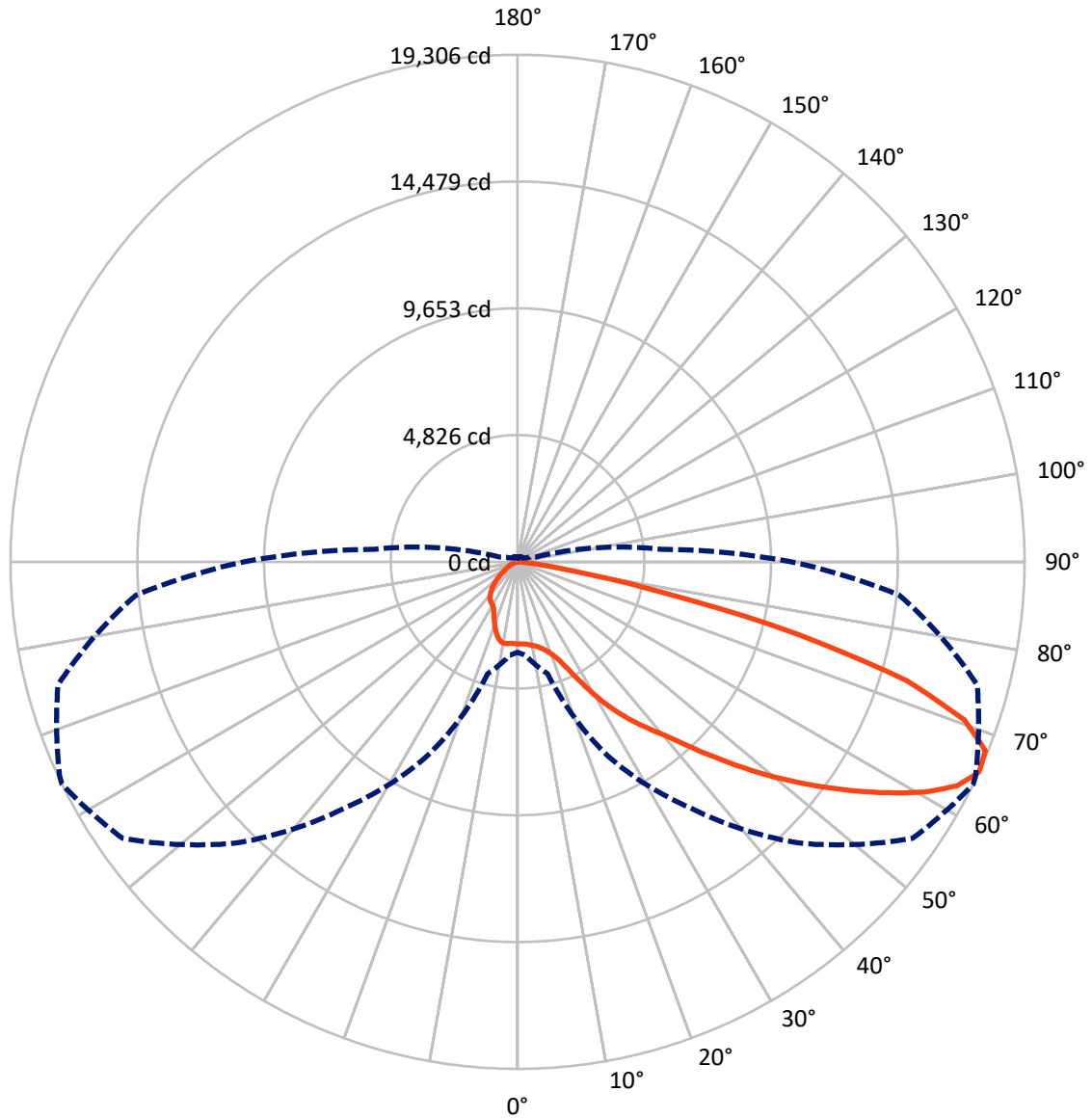
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 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
<b>House Side</b>	Lumens	3597.2	0.0	3597.2
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	23301.8	0.0	23301.8
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	26899.0	0.0	26899.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	288.6	1.1
10°-20°	782.9	2.9
20°-30°	1483.5	5.5
30°-40°	3001.9	11.2
40°-50°	5113.8	19.0
50°-60°	6954.4	25.9
60°-70°	6530.6	24.3
70°-80°	2616.4	9.7
80°-90°	126.8	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°	26899.0	100.0
0°-180°	26899.0	100.0

**Coefficient of Utilization**



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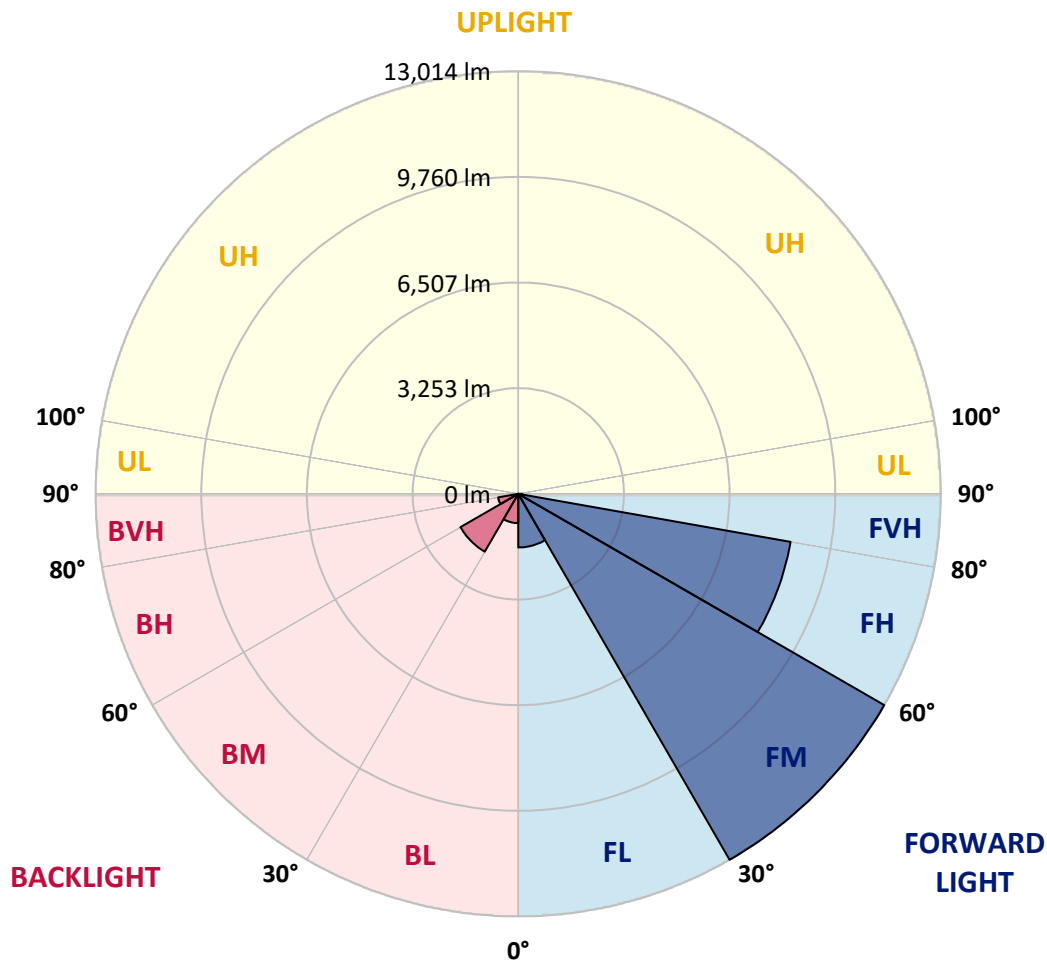
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1651.9	6.1			
FM (30°-60°)	13013.7	48.4			
FH (60°-80°)	8515.6	31.7			G4/12000
FVH (80°-90°)	120.6	0.4			G2/225
BL (0°-30°)	903.2	3.4	B2/1000		
BM (30°-60°)	2056.5	7.6	B2/2500		
BH (60°-80°)	631.4	2.3	B2/1000		G2/1000
BVH (80°-90°)	6.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G4**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3128.6	3128.6	3128.6	3128.6	3128.6	3128.6	3128.6	3128.6	3128.6	3128.6
2.5°	3117.8	3139.5	3134.0	3128.6	3126.8	3130.4	3132.2	3130.4	3130.4	3130.4
5°	3058.3	3076.3	3076.3	3089.0	3107.0	3128.6	3144.9	3148.5	3152.1	3157.5
7.5°	2944.7	2959.1	2969.9	3011.4	3056.5	3114.2	3162.9	3188.1	3191.7	3211.6
10°	2867.2	2885.2	2903.2	2946.5	3011.4	3098.0	3180.9	3242.2	3251.3	3298.1
12.5°	2863.6	2881.6	2905.0	2951.9	3027.7	3119.6	3220.6	3309.0	3325.2	3393.7
15°	2901.4	2923.1	2944.7	3002.4	3083.6	3195.4	3303.5	3413.5	3429.8	3527.2
17.5°	2979.0	3007.8	3024.0	3081.7	3168.3	3292.7	3435.2	3561.4	3575.8	3689.4
20°	3132.2	3166.5	3171.9	3218.8	3303.5	3437.0	3606.5	3763.4	3781.4	3911.2
22.5°	3449.6	3498.3	3455.0	3478.5	3554.2	3687.6	3871.6	4069.9	4095.2	4243.0
25°	4008.6	4077.1	3965.3	3925.7	3958.1	4097.0	4327.8	4578.4	4607.3	4726.3
27.5°	5106.8	5018.4	4848.9	4683.0	4585.7	4665.0	4924.7	5234.8	5270.9	5386.3
30°	6313.2	6235.6	6006.6	5638.8	5407.9	5395.3	5635.1	5981.4	6022.8	6132.8
32.5°	7521.3	7447.4	7198.6	6745.9	6345.6	6147.3	6313.2	6697.3	6718.9	6789.2
35°	8709.7	8633.9	8385.1	7921.7	7429.4	6978.6	6946.1	7378.9	7386.1	7460.0
37.5°	9905.2	9842.1	9577.0	9122.6	8637.6	8015.4	7714.3	8024.4	8033.5	8105.6
40°	10758.2	10785.2	10603.1	10251.5	9834.9	9155.1	8576.2	8711.5	8657.4	8778.2
42.5°	11490.3	11544.4	11385.7	11209.0	10967.3	10368.7	9643.8	9620.3	9533.8	9598.7
45°	12123.2	12168.3	12025.9	11984.4	11979.0	11558.8	10810.5	10669.8	10549.0	10536.4
47.5°	12355.8	12442.4	12503.7	12642.6	12913.0	12736.3	12016.8	11798.6	11663.4	11564.2
50°	12444.2	12536.2	12745.3	13149.3	13789.4	13865.2	13217.8	12972.6	12806.7	12626.3
52.5°	12325.2	12489.3	12770.6	13450.4	14379.1	14770.4	14370.1	14155.5	13966.1	13672.2
55°	11623.7	11787.8	12363.1	13446.8	14673.0	15405.1	15459.2	15363.7	15150.9	14687.4
57.5°	10145.1	10388.5	11299.1	12988.8	14667.6	15951.5	16526.8	16595.3	16357.3	15693.7
60°	8096.6	8426.6	9537.4	11973.6	14215.0	16247.3	17462.6	17805.3	17552.8	16685.4
62.5°	5649.6	6031.9	7083.2	10383.1	13179.9	16034.5	18146.1	18779.0	18587.9	17572.6
65°	3446.0	3568.6	4416.2	8170.5	11420.0	15143.7	18357.1	19305.6	19242.4	18115.4
67.5°	2295.5	2398.3	2641.8	5602.7	8864.8	13363.9	17852.1	19213.6	19231.6	18027.1
70°	1383.1	1471.4	1630.1	3258.5	5745.1	10577.8	16288.7	18041.5	18146.1	16845.9
72.5°	569.8	629.3	773.6	1476.9	2975.4	6713.5	12970.8	15489.9	15733.3	14164.5
75°	322.8	353.4	454.4	741.1	1291.1	3128.6	7856.7	10996.2	11355.0	9762.8
77.5°	214.6	229.0	293.9	479.7	726.7	1067.5	3357.6	5728.9	6414.1	5332.2
80°	144.3	156.9	202.0	321.0	472.5	458.0	1069.3	2122.4	2611.1	1832.1
82.5°	97.4	99.2	144.3	211.0	299.3	221.8	315.6	660.0	829.5	530.2
85°	55.9	54.1	106.4	122.6	133.4	92.0	95.6	198.4	259.7	223.6
87.5°	7.2	10.8	41.5	32.5	18.0	19.8	19.8	34.3	50.5	54.1
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°
3128.6	0°	3128.6	3128.6	3128.6	3128.6	3128.6	3128.6	3128.6	3128.6	3128.6	3128.6
3132.2	2.5°	3132.2	3130.4	3125.0	3119.6	3107.0	3099.8	3103.4	3099.8	3098.0	3099.8
3155.7	5°	3155.7	3150.3	3135.8	3117.8	3092.6	3061.9	3042.1	3013.2	2986.2	2969.9
3218.8	7.5°	3218.8	3213.4	3193.5	3143.1	3061.9	2933.9	2816.7	2713.9	2636.3	2591.3
3319.8	10°	3319.8	3310.8	3280.1	3168.3	2955.5	2676.0	2443.4	2250.5	2124.2	2064.7
3438.8	12.5°	3438.8	3428.0	3373.9	3144.9	2753.6	2317.2	1996.2	1781.6	1664.4	1612.1
3575.8	15°	3579.4	3565.0	3458.6	3033.1	2459.6	1920.5	1626.5	1466.0	1390.3	1343.4
3750.8	17.5°	3754.4	3729.1	3521.7	2865.4	2140.5	1617.5	1399.3	1278.5	1211.8	1166.7
3979.8	20°	3981.6	3940.1	3572.2	2665.2	1846.5	1426.4	1246.0	1145.1	1094.6	1054.9
4304.3	22.5°	4298.9	4239.4	3633.5	2448.8	1639.2	1294.7	1132.4	1058.5	1017.0	971.9
4757.0	25°	4692.0	4621.7	3709.3	2248.6	1496.7	1181.1	1049.5	988.2	939.5	887.2
5350.2	27.5°	5242.0	5115.8	3799.4	2084.6	1374.1	1083.8	973.8	905.2	849.3	806.1
6022.8	30°	5855.1	5647.8	3878.8	1985.4	1262.3	993.6	874.6	806.1	753.8	723.1
6626.9	32.5°	6435.8	6154.5	3931.1	1942.1	1161.3	890.8	766.4	692.4	652.8	643.8
7218.4	35°	6984.0	6612.5	3925.7	1900.6	1071.1	788.0	660.0	584.3	553.6	559.0
7854.9	37.5°	7615.1	7101.2	3887.8	1835.7	997.2	694.2	568.0	501.3	474.3	476.1
8628.5	40°	8349.0	7665.6	3864.4	1713.1	916.0	607.7	492.3	438.2	418.4	411.1
9443.6	42.5°	9131.6	8212.0	3868.0	1574.2	815.1	530.2	440.0	394.9	376.9	371.5
10350.6	45°	9917.9	8733.1	3873.4	1430.0	708.7	470.6	402.1	364.3	353.4	346.2
11270.3	47.5°	10657.2	9176.7	3772.4	1274.9	604.1	425.6	371.5	346.2	337.2	328.2
12193.6	50°	11346.0	9472.5	3529.0	1094.6	521.1	389.5	348.0	330.0	321.0	312.0
13030.3	52.5°	11881.6	9519.3	3126.8	908.8	463.4	362.5	333.6	317.4	306.6	297.5
13706.5	55°	12119.6	9225.4	2555.2	735.7	418.4	339.0	319.2	302.9	290.3	281.3
14238.4	57.5°	12058.3	8606.9	1992.6	591.5	375.1	315.6	301.1	290.3	275.9	261.5
14669.4	60°	11757.2	7779.2	1502.1	492.3	335.4	290.3	281.3	272.3	252.5	230.8
14835.3	62.5°	11236.0	6738.7	1071.1	407.5	292.1	261.5	257.9	250.7	221.8	182.1
14590.1	65°	10439.0	5474.7	721.3	339.0	250.7	229.0	230.8	218.2	180.3	135.2
13692.1	67.5°	9274.1	4003.2	461.6	277.7	209.2	191.1	192.9	185.7	153.3	115.4
11989.8	70°	7790.0	2650.8	301.1	211.0	167.7	147.9	158.7	160.5	129.8	93.8
9202.0	72.5°	5710.9	1565.2	211.0	156.9	122.6	102.8	129.8	133.4	104.6	70.3
5536.0	75°	3254.9	742.9	158.7	113.6	75.7	72.1	101.0	101.0	72.1	46.9
2396.5	77.5°	1366.9	310.2	111.8	73.9	43.3	41.5	68.5	63.1	36.1	21.6
584.3	80°	394.9	138.8	59.5	36.1	18.0	16.2	27.0	19.8	9.0	3.6
221.8	82.5°	155.1	61.3	23.4	14.4	7.2	7.2	3.6	0.0	0.0	0.0
126.2	85°	92.0	25.2	10.8	5.4	1.8	0.0	0.0	0.0	0.0	0.0
27.0	87.5°	23.4	5.4	3.6	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°
3128.6
3107.0
2973.6
2593.1
2059.3
1606.7
1345.2
1163.1
1047.7
964.7
881.8
797.0
717.7
649.2
559.0
483.3
409.3
369.7
346.2
328.2
312.0
295.7
279.5
259.7
227.2
178.5
131.6
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