

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: P851437

Luminaire Tested: **GLAN-SB9B-930-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851437
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-SB9B-930-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 3000K, 450mA 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: 27138 lumens
Efficiency: N/A
Efficacy: 82.4 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

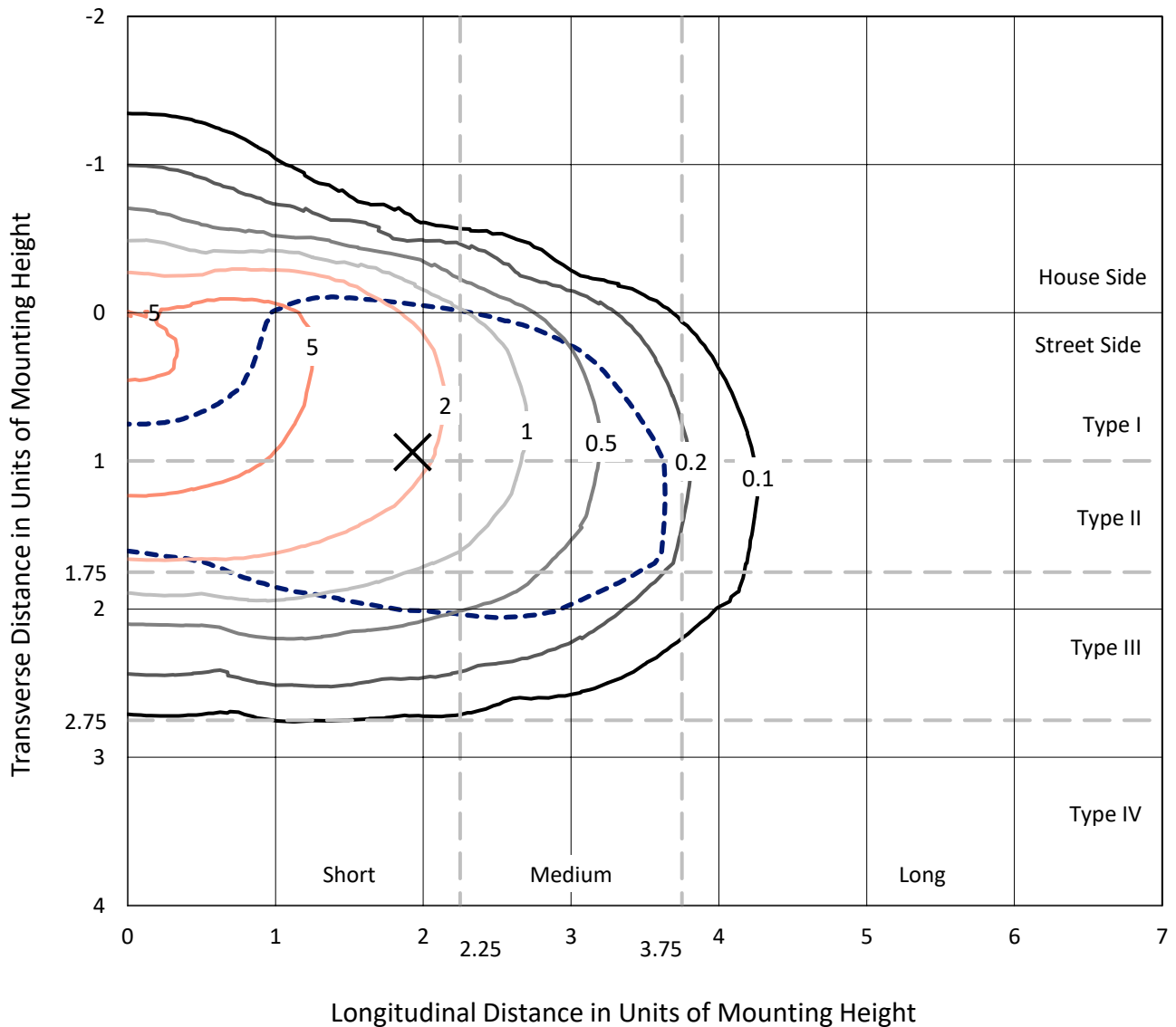
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

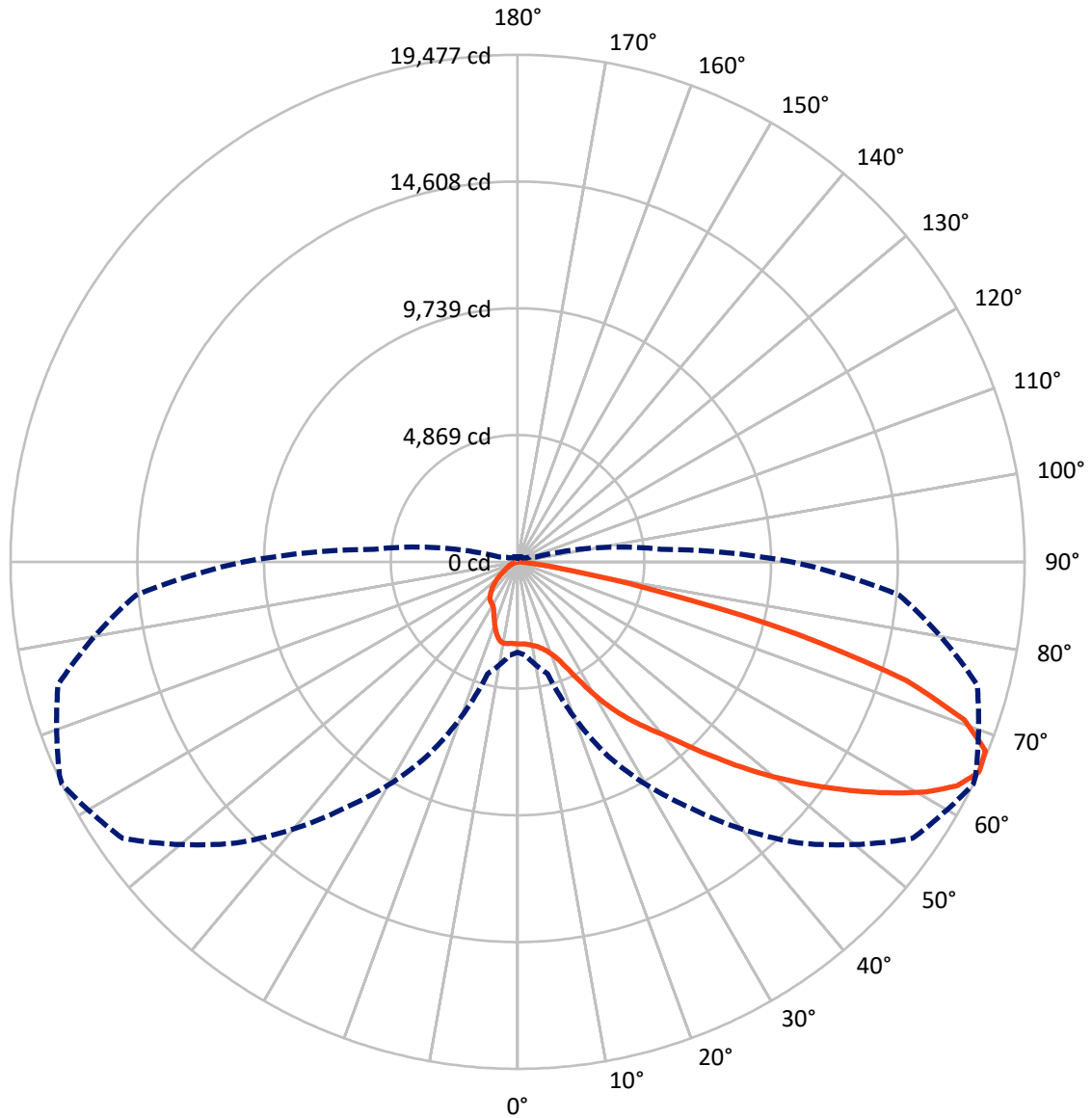
✕ Max cd
 - - - 1/2 Max cd



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
House Side	Lumens	3629.2	0.0	3629.2
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	23508.8	0.0	23508.8
	% Fixture	86.6	0.0	86.6
Total	Lumens	27138.0	0.0	27138.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.2	1.1
10°-20°	789.9	2.9
20°-30°	1496.7	5.5
30°-40°	3028.6	11.2
40°-50°	5159.3	19.0
50°-60°	7016.2	25.9
60°-70°	6588.6	24.3
70°-80°	2639.7	9.7
80°-90°	127.9	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°	27138.0	100.0
0°-180°	27138.0	100.0

Coefficient of Utilization

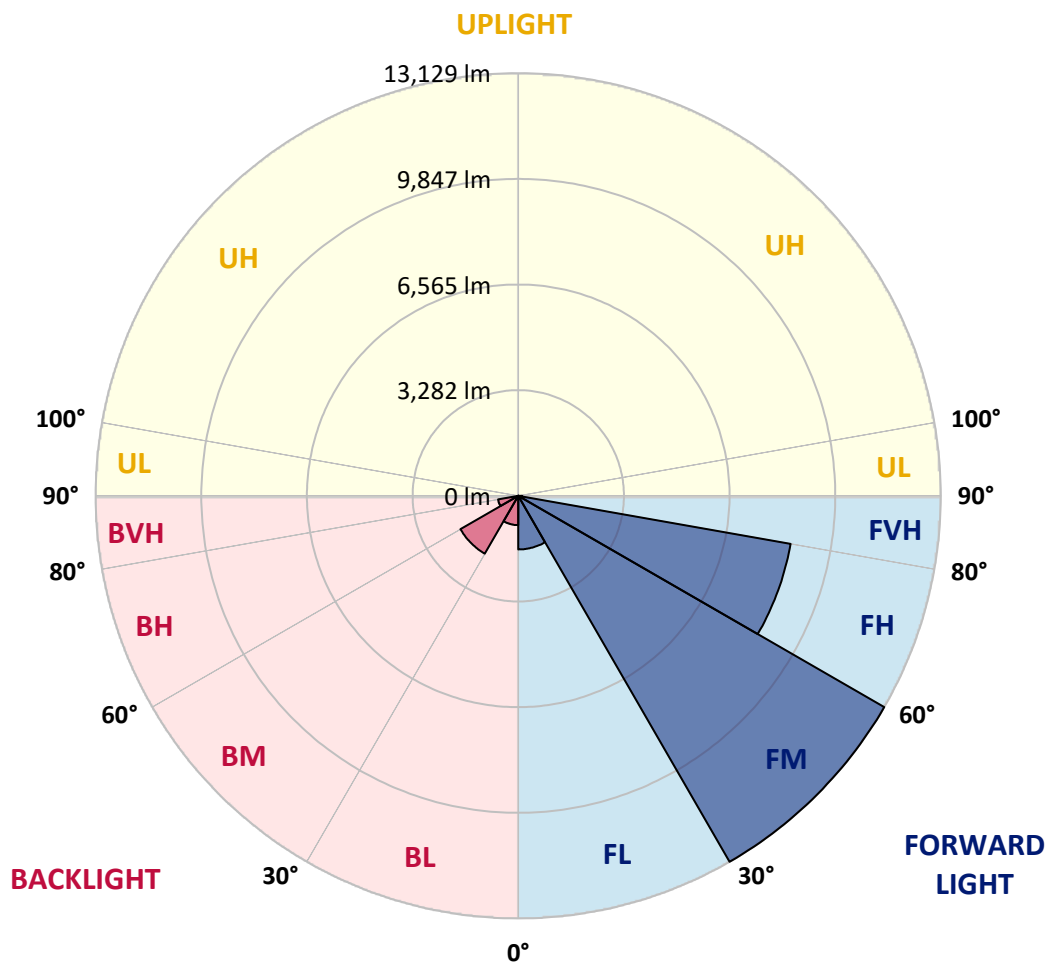


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1666.6	6.1			
FM (30°-60°)	13129.3	48.4			
FH (60°-80°)	8591.3	31.7			G4/12000
FVH (80°-90°)	121.6	0.4			G2/225
BL (0°-30°)	911.2	3.4	B2/1000		
BM (30°-60°)	2074.8	7.6	B2/2500		
BH (60°-80°)	637.0	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°	3156.4	3156.4	3156.4	3156.4	3156.4	3156.4	3156.4	3156.4	3156.4	3156.4
2.5°	3145.5	3167.3	3161.9	3156.4	3154.6	3158.3	3160.1	3158.3	3158.3	3158.3
5°	3085.5	3103.7	3103.7	3116.4	3134.6	3156.4	3172.8	3176.4	3180.1	3185.5
7.5°	2970.9	2985.4	2996.3	3038.2	3083.7	3141.9	3191.0	3216.5	3220.1	3240.1
10°	2892.6	2910.8	2929.0	2972.7	3038.2	3125.5	3209.2	3271.0	3280.1	3327.4
12.5°	2889.0	2907.2	2930.8	2978.1	3054.6	3147.3	3249.2	3338.4	3354.7	3423.9
15°	2927.2	2949.0	2970.9	3029.1	3110.9	3223.7	3332.9	3443.9	3460.2	3558.5
17.5°	3005.4	3034.5	3050.9	3109.1	3196.5	3322.0	3465.7	3593.1	3607.6	3722.2
20°	3160.1	3194.6	3200.1	3247.4	3332.9	3467.5	3638.5	3796.8	3815.0	3946.0
22.5°	3480.3	3529.4	3485.7	3509.4	3585.8	3720.4	3906.0	4106.1	4131.6	4280.7
25°	4044.2	4113.4	4000.6	3960.5	3993.3	4133.4	4366.2	4619.1	4648.2	4768.3
27.5°	5152.2	5063.0	4892.0	4724.6	4626.4	4706.4	4968.4	5281.3	5317.7	5434.2
30°	6369.3	6291.0	6060.0	5688.9	5456.0	5443.3	5685.2	6034.5	6076.4	6187.3
32.5°	7588.2	7513.6	7262.5	6805.9	6402.0	6201.9	6369.3	6756.8	6778.6	6849.5
35°	8787.1	8710.7	8459.6	7992.0	7495.4	7040.6	7007.8	7444.4	7451.7	7526.3
37.5°	9993.2	9929.6	9662.1	9203.7	8714.3	8086.6	7782.8	8095.7	8104.8	8177.6
40°	10853.8	10881.0	10697.3	10342.5	9922.3	9236.4	8652.4	8788.9	8734.3	8856.2
42.5°	11592.4	11647.0	11486.9	11308.6	11064.8	10460.8	9729.4	9705.8	9618.5	9684.0
45°	12230.9	12276.4	12132.7	12090.9	12085.4	11661.5	10906.5	10764.6	10642.7	10630.0
47.5°	12465.6	12553.0	12614.8	12754.9	13027.8	12849.5	12123.6	11903.5	11767.0	11667.0
50°	12554.8	12647.6	12858.6	13266.1	13911.9	13988.4	13335.2	13087.8	12920.4	12738.5
52.5°	12434.7	12600.3	12884.1	13569.9	14506.8	14901.6	14497.8	14281.3	14090.2	13793.7
55°	11727.0	11892.6	12472.9	13566.3	14803.4	15542.0	15596.6	15500.2	15285.5	14817.9
57.5°	10235.2	10480.8	11399.5	13104.2	14797.9	16093.3	16673.6	16742.7	16502.6	15833.1
60°	8168.5	8501.4	9622.1	12079.9	14341.3	16391.6	17617.8	17963.5	17708.8	16833.7
62.5°	5699.8	6085.5	7146.1	10475.3	13297.0	16176.9	18307.3	18945.9	18753.0	17728.8
65°	3476.6	3600.3	4455.4	8243.1	11521.4	15278.2	18520.2	19477.1	19413.4	18276.4
67.5°	2315.9	2419.6	2665.2	5652.5	8943.5	13482.6	18010.8	19384.3	19402.5	18187.2
70°	1395.4	1484.5	1644.6	3287.4	5796.2	10671.8	16433.5	18201.8	18307.3	16995.6
72.5°	574.9	634.9	780.5	1490.0	3001.8	6773.1	13086.0	15627.5	15873.1	14290.4
75°	325.6	356.6	458.5	747.7	1302.6	3156.4	7926.6	11093.9	11455.9	9849.5
77.5°	216.5	231.0	296.5	483.9	733.2	1077.0	3387.5	5779.8	6471.1	5379.6
80°	145.5	158.3	203.8	323.8	476.6	462.1	1078.8	2141.3	2634.3	1848.4
82.5°	98.2	100.1	145.5	212.9	302.0	223.8	318.4	665.9	836.9	534.9
85°	56.4	54.6	107.3	123.7	134.6	92.8	96.4	200.1	262.0	225.6
87.5°	7.3	10.9	41.8	32.7	18.2	20.0	20.0	34.6	50.9	54.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P851437
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3156.4	0°	3156.4	3156.4	3156.4	3156.4	3156.4	3156.4	3156.4	3156.4	3156.4	3156.4
3160.1	2.5°	3160.1	3158.3	3152.8	3147.3	3134.6	3127.3	3131.0	3127.3	3125.5	3127.3
3183.7	5°	3183.7	3178.3	3163.7	3145.5	3120.0	3089.1	3069.1	3040.0	3012.7	2996.3
3247.4	7.5°	3247.4	3241.9	3221.9	3171.0	3089.1	2960.0	2841.7	2738.0	2659.8	2614.3
3349.3	10°	3349.3	3340.2	3309.2	3196.5	2981.8	2699.8	2465.1	2270.4	2143.1	2083.1
3469.3	12.5°	3469.3	3458.4	3403.9	3172.8	2778.0	2337.8	2013.9	1797.4	1679.2	1626.4
3607.6	15°	3611.2	3596.7	3489.4	3060.0	2481.5	1937.5	1641.0	1479.1	1402.7	1355.4
3784.1	17.5°	3787.7	3762.2	3553.0	2890.8	2159.5	1631.9	1411.8	1289.9	1222.5	1177.1
4015.1	20°	4016.9	3975.1	3604.0	2688.9	1862.9	1439.0	1257.1	1155.2	1104.3	1064.3
4342.6	22.5°	4337.1	4277.1	3665.8	2470.6	1653.7	1306.2	1142.5	1067.9	1026.1	980.6
4799.2	25°	4733.7	4662.8	3742.2	2268.6	1510.0	1191.6	1058.8	997.0	947.8	895.1
5397.8	27.5°	5288.6	5161.3	3833.2	2103.1	1386.3	1093.4	982.4	913.3	856.9	813.2
6076.4	30°	5907.2	5697.9	3913.2	2003.0	1273.5	1002.4	882.3	813.2	760.5	729.5
6685.8	32.5°	6493.0	6209.2	3966.0	1959.4	1171.6	898.7	773.2	698.6	658.6	649.5
7282.5	35°	7046.0	6671.3	3960.5	1917.5	1080.6	795.0	665.9	589.4	558.5	564.0
7924.7	37.5°	7682.8	7164.3	3922.3	1852.0	1006.1	700.4	573.1	505.8	478.5	480.3
8705.2	40°	8423.2	7733.7	3898.7	1728.3	924.2	613.1	496.7	442.1	422.1	414.8
9527.5	42.5°	9212.8	8284.9	3902.3	1588.2	822.3	534.9	443.9	398.4	380.2	374.8
10442.6	45°	10006.0	8810.7	3907.8	1442.7	715.0	474.8	405.7	367.5	356.6	349.3
11370.4	47.5°	10751.9	9258.3	3805.9	1286.2	609.5	429.3	374.8	349.3	340.2	331.1
12301.9	50°	11446.8	9556.6	3560.3	1104.3	525.8	393.0	351.1	332.9	323.8	314.7
13146.0	52.5°	11987.2	9603.9	3154.6	916.9	467.6	365.7	336.6	320.2	309.3	300.2
13828.3	55°	12227.3	9307.4	2577.9	742.3	422.1	342.0	322.0	305.6	292.9	283.8
14364.9	57.5°	12165.4	8683.4	2010.3	596.7	378.4	318.4	303.8	292.9	278.3	263.8
14799.8	60°	11861.6	7848.3	1515.5	496.7	338.4	292.9	283.8	274.7	254.7	232.9
14967.1	62.5°	11335.9	6798.6	1080.6	411.2	294.7	263.8	260.2	252.9	223.8	183.7
14719.7	65°	10531.7	5523.3	727.7	342.0	252.9	231.0	232.9	220.1	181.9	136.4
13813.7	67.5°	9356.5	4038.8	465.7	280.2	211.0	192.8	194.7	187.4	154.6	116.4
12096.3	70°	7859.2	2674.3	303.8	212.9	169.2	149.2	160.1	161.9	131.0	94.6
9283.7	72.5°	5761.6	1579.1	212.9	158.3	123.7	103.7	131.0	134.6	105.5	71.0
5585.2	75°	3283.8	749.5	160.1	114.6	76.4	72.8	101.9	101.9	72.8	47.3
2417.8	77.5°	1379.0	312.9	112.8	74.6	43.7	41.8	69.1	63.7	36.4	21.8
589.4	80°	398.4	140.1	60.0	36.4	18.2	16.4	27.3	20.0	9.1	3.6
223.8	82.5°	156.5	61.9	23.7	14.6	7.3	7.3	3.6	0.0	0.0	0.0
127.3	85°	92.8	25.5	10.9	5.5	1.8	0.0	0.0	0.0	0.0	0.0
27.3	87.5°	23.7	5.5	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°
3156.4
3134.6
3000.0
2616.1
2077.6
1621.0
1357.2
1173.4
1057.0
973.3
889.6
804.1
724.1
654.9
564.0
487.6
413.0
373.0
349.3
331.1
314.7
298.4
282.0
262.0
229.2
180.1
132.8
111.0
91.0
67.3
43.7
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