

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: P952512

Luminaire Tested: **GLAN-SB6B-830-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952512
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6B-830-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25545 lumens
Efficiency: N/A
Efficacy: 115.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

Input Watts (W): 220.4
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

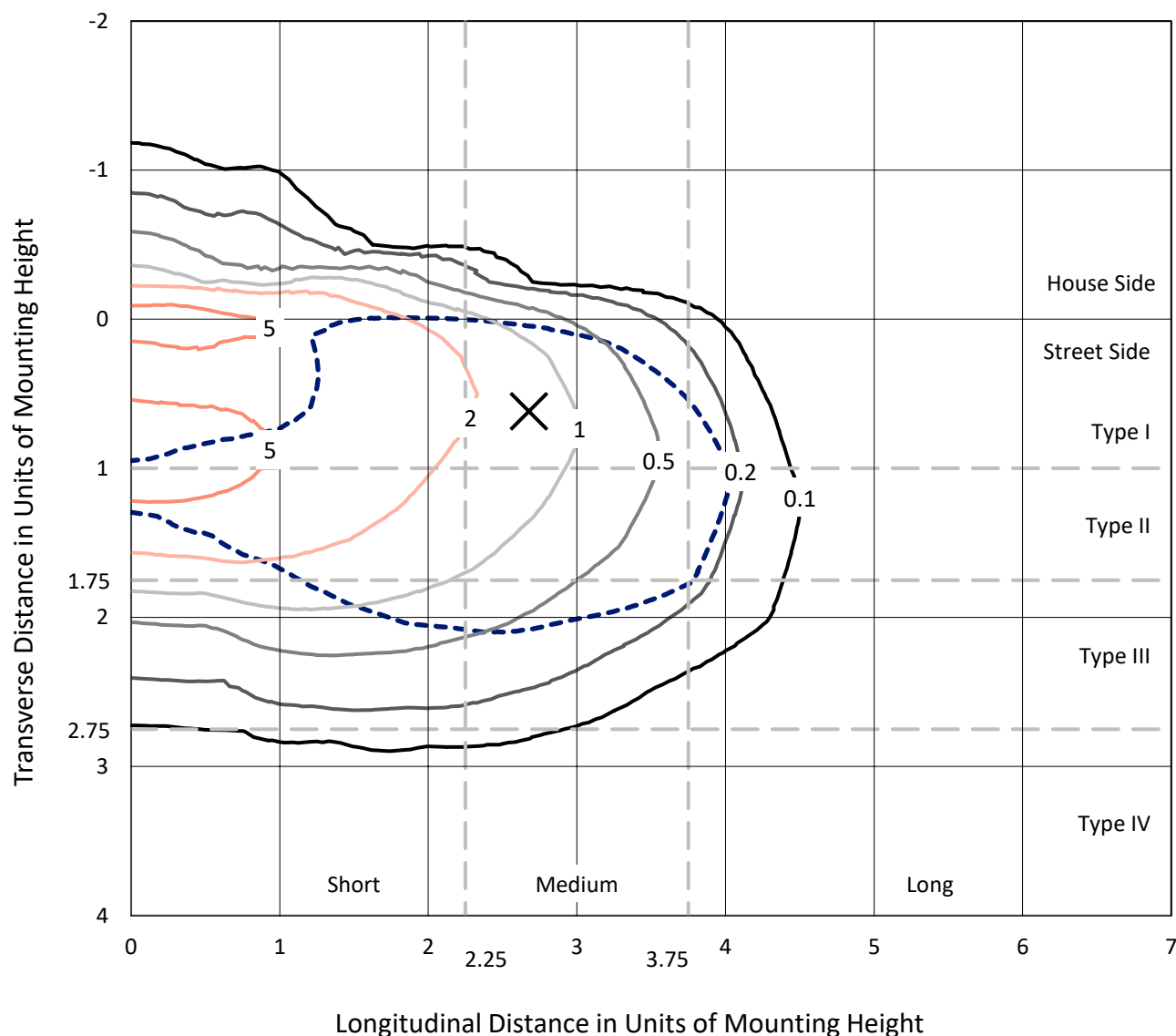


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Iso-Footcandle Lines of Horizontal Illumination

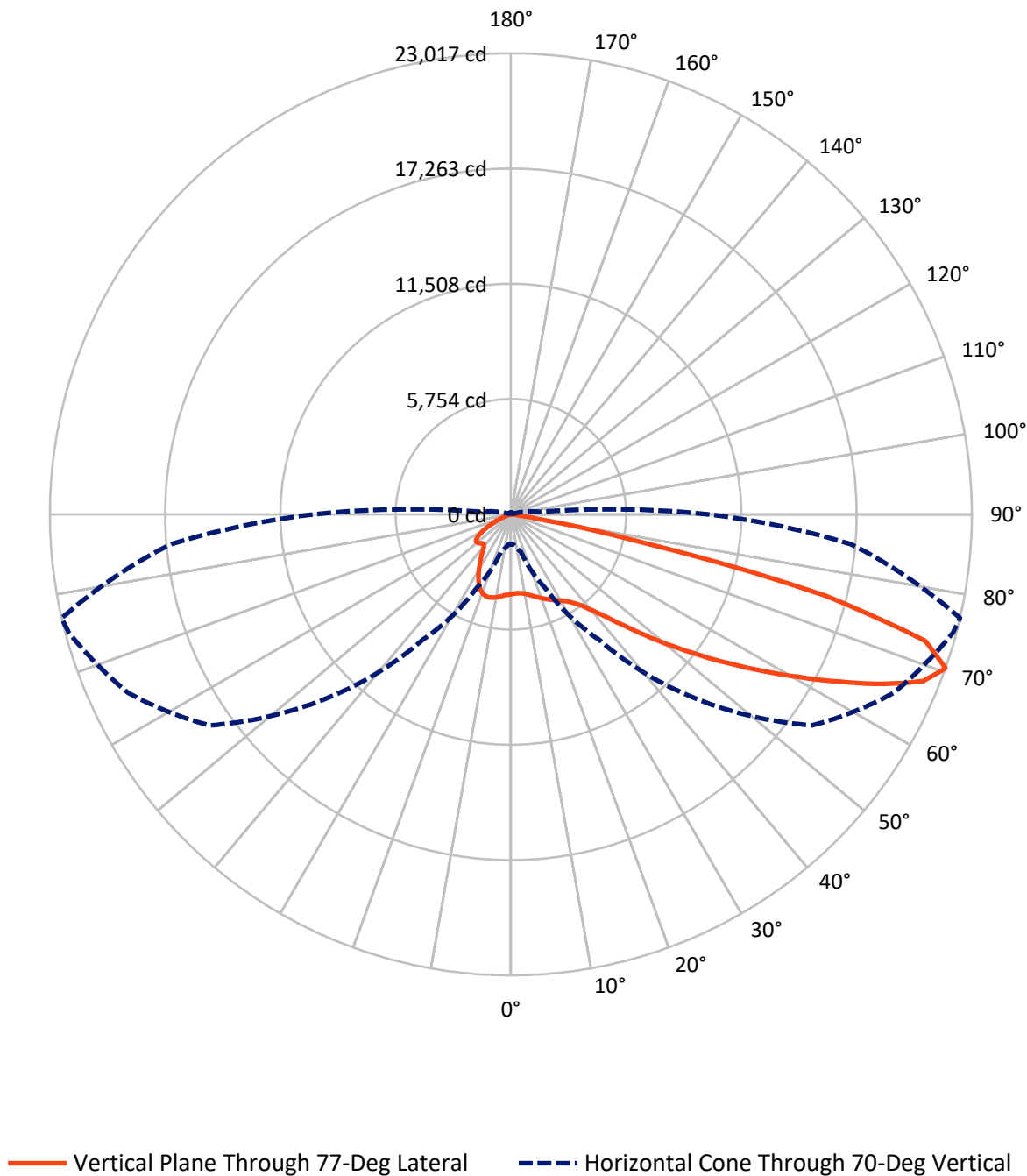
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2692.8	0.0	2692.8
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	22852.2	0.0	22852.2
	% Fixture	89.5	0.0	89.5
Total	Lumens	25545.0	0.0	25545.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.4	1.3
10°-20°	815.2	3.2
20°-30°	1260.9	4.9
30°-40°	2288.0	9.0
40°-50°	4318.8	16.9
50°-60°	6240.3	24.4
60°-70°	6642.7	26.0
70°-80°	3520.1	13.8
80°-90°	115.6	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°	25545.0	100.0
0°-180°	25545.0	100.0

Coefficient of Utilization



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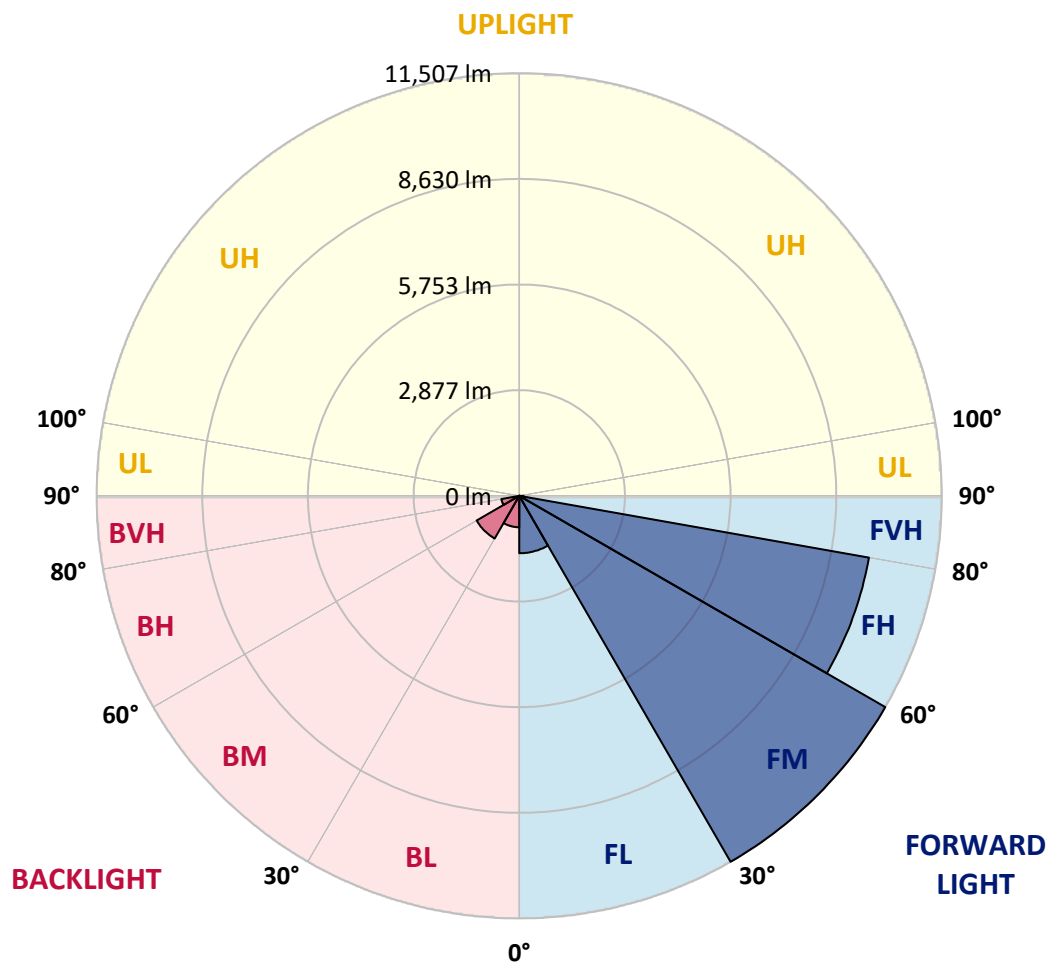
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1564.0	6.1			
FM	(30°-60°)	11506.6	45.0			
FH	(60°-80°)	9669.1	37.9			G4/12000
FVH	(80°-90°)	112.5	0.4			G2/225
BL	(0°-30°)	855.6	3.3	B2/1000		
BM	(30°-60°)	1340.5	5.2	B2/2500		
BH	(60°-80°)	493.7	1.9	B1/500		G1/500
BVH	(80°-90°)	3.1	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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	3984.6	3984.6	3984.6	3984.6	3984.6	3984.6	3984.6	3984.6	3984.6	3984.6
2.5°	3741.0	3774.8	3770.0	3792.6	3800.7	3832.9	3865.2	3908.7	3957.1	3955.5
5°	3529.6	3563.5	3571.6	3602.2	3641.0	3691.0	3757.1	3844.2	3934.6	3949.1
7.5°	3279.6	3315.1	3336.1	3397.4	3468.3	3571.6	3679.7	3807.1	3957.1	3978.1
10°	3029.6	3061.8	3089.2	3176.4	3289.3	3442.5	3618.4	3802.3	4003.9	4034.6
12.5°	2874.7	2905.3	2936.0	3011.8	3152.2	3339.3	3578.0	3824.9	4081.3	4124.9
15°	2819.8	2847.3	2871.5	2939.2	3069.9	3282.8	3570.0	3871.6	4179.8	4237.8
17.5°	2827.9	2842.4	2858.6	2910.2	3037.6	3257.0	3584.5	3952.3	4295.9	4347.5
20°	2874.7	2882.8	2884.4	2919.9	3032.8	3253.8	3613.5	4029.7	4405.6	4475.0
22.5°	2934.4	2937.6	2934.4	2958.6	3063.4	3278.0	3652.2	4123.3	4528.2	4592.7
25°	3213.5	3152.2	3074.7	3027.9	3115.1	3324.8	3710.3	4249.1	4662.1	4725.0
27.5°	4079.7	3903.9	3626.4	3315.1	3221.5	3392.5	3791.0	4376.6	4797.6	4854.1
30°	5486.4	5255.7	4784.7	4083.0	3563.5	3534.5	3895.8	4504.0	4941.2	5002.5
32.5°	6896.4	6839.9	6296.2	5325.1	4333.0	3850.7	4070.1	4676.6	5131.5	5179.9
35°	8322.4	8207.9	7762.6	6802.8	5518.7	4494.3	4360.4	4902.5	5381.6	5436.4
37.5°	9414.5	9345.2	9069.3	8278.8	6925.4	5488.0	4857.3	5252.5	5744.5	5805.8
40°	10379.2	10346.9	10253.4	9732.3	8498.2	6788.3	5630.0	5794.5	6247.9	6320.4
42.5°	11137.4	11213.2	11266.5	11121.3	10119.5	8272.4	6668.9	6556.0	6949.6	7023.8
45°	11913.3	11939.2	12153.7	12363.4	11729.4	9824.3	7840.1	7448.1	7822.3	7914.3
47.5°	12411.8	12515.1	12892.5	13262.0	13082.9	11363.3	9098.3	8501.5	8833.8	9006.4
50°	12448.9	12644.1	13163.6	13807.2	14068.6	12828.0	10466.3	9701.7	10055.0	10245.3
52.5°	11831.1	12134.4	12939.3	13881.4	14600.9	14068.6	11881.1	10901.9	11355.2	11603.6
55°	9070.9	9467.8	12095.6	13478.1	14621.9	15009.0	13258.7	12152.1	12803.8	13084.5
57.5°	7903.0	8103.0	9509.7	12778.0	14233.1	15388.1	14504.1	13342.6	14379.9	14728.3
60°	6575.3	6838.3	7975.6	11632.7	13705.6	15425.2	15604.3	14878.4	16088.3	16480.3
62.5°	4468.5	4754.0	5884.9	9664.6	12984.5	15407.5	16506.1	16459.3	17987.0	18408.0
65°	2768.2	2947.3	3692.6	7891.7	11976.3	15426.9	17449.8	18379.0	19990.5	20418.0
67.5°	2187.5	2269.7	2658.5	6059.1	10238.9	14991.3	18391.9	20184.1	21876.4	22215.1
70°	1469.6	1519.6	1934.2	4062.0	7617.4	12981.3	18374.1	21090.7	22847.5	23016.9
72.5°	774.3	813.0	1130.8	1881.0	4600.8	9227.4	15488.2	20006.7	21881.2	21626.3
75°	387.2	451.7	761.4	955.0	1964.9	5146.0	9617.8	15773.7	17222.3	16235.1
77.5°	293.6	354.9	629.1	629.1	684.0	1732.6	4073.3	8603.1	7935.2	6607.6
80°	187.1	242.0	550.1	475.9	285.5	440.4	1061.5	2410.1	1685.8	1282.5
82.5°	109.7	158.1	458.1	314.6	159.7	162.9	300.1	513.0	437.2	340.4
85°	43.6	103.2	314.6	124.2	62.9	40.3	90.3	109.7	90.3	67.8
87.5°	0.0	24.2	54.8	0.0	4.8	3.2	6.5	8.1	8.1	6.5
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°
3984.6	0°	3984.6	3984.6	3984.6	3984.6	3984.6	3984.6	3984.6	3984.6	3984.6	3984.6
3987.8	2.5°	4002.3	4005.5	4015.2	4016.8	3994.2	3965.2	3953.9	3949.1	3929.7	3928.1
4013.6	5°	4050.7	4065.2	4050.7	4008.8	3908.7	3768.4	3661.9	3574.8	3495.8	3471.6
4102.3	7.5°	4147.5	4162.0	4118.5	3953.9	3702.3	3423.2	3171.5	2994.1	2834.4	2774.7
4210.4	10°	4286.2	4305.6	4168.5	3836.1	3390.9	2942.4	2516.6	2216.5	1982.6	1887.4
4357.2	12.5°	4460.4	4468.5	4195.9	3657.1	2986.0	2345.6	1742.2	1421.2	1213.1	1135.7
4534.7	15°	4652.4	4641.1	4199.1	3413.5	2434.3	1658.4	1137.3	934.0	850.1	824.3
4712.1	17.5°	4854.1	4807.3	4134.6	3061.8	1829.3	1134.1	843.7	795.3	780.8	774.3
4887.9	20°	5052.5	4947.6	4016.8	2602.1	1313.1	846.9	766.3	751.7	743.7	740.5
5065.4	22.5°	5233.2	5054.1	3815.2	2068.1	953.4	748.5	724.3	711.4	696.9	690.4
5238.0	25°	5409.0	5115.4	3531.3	1569.6	763.0	700.1	680.8	656.6	637.2	629.1
5423.5	27.5°	5580.0	5154.1	3176.4	1161.5	680.8	655.0	619.5	585.6	571.1	567.8
5621.9	30°	5762.3	5167.0	2773.1	866.3	630.8	598.5	546.9	508.2	500.1	501.7
5889.7	32.5°	5984.9	5186.4	2366.5	709.8	588.8	530.7	469.4	429.1	422.7	429.1
6280.1	35°	6251.1	5225.1	1974.5	653.3	551.7	461.4	395.2	361.4	354.9	359.7
6780.2	37.5°	6612.4	5288.0	1608.3	642.0	521.1	403.3	332.3	304.9	304.9	306.5
7393.2	40°	7093.2	5455.8	1280.9	634.0	504.9	359.7	280.7	269.4	274.2	277.5
8174.0	42.5°	7678.7	5812.3	1059.9	624.3	487.2	340.4	254.9	250.0	258.1	261.3
9109.6	45°	8335.3	6264.0	982.4	608.2	471.0	353.3	243.6	237.1	246.8	248.4
10158.2	47.5°	9014.5	6706.0	972.7	590.4	454.9	372.6	240.4	225.8	237.1	238.8
11277.8	50°	9701.7	6994.8	982.4	563.0	429.1	372.6	242.0	214.6	224.2	229.1
12439.2	52.5°	10393.7	7127.0	976.0	503.3	383.9	350.1	242.0	204.9	214.6	217.8
13694.3	55°	11064.8	7101.2	877.6	414.6	325.9	309.7	235.5	196.8	203.3	204.9
14880.0	57.5°	11595.5	6741.5	695.3	322.6	264.6	258.1	214.6	187.1	192.0	190.4
15967.3	60°	11873.0	5951.0	496.9	248.4	208.1	203.3	188.7	174.2	177.4	169.4
16888.4	62.5°	11876.2	4905.7	332.3	196.8	166.2	161.3	161.3	156.5	153.3	137.1
17601.4	65°	11623.0	3745.8	221.0	156.5	133.9	125.8	135.5	133.9	122.6	100.0
17819.2	67.5°	11048.7	2455.3	167.8	122.6	103.2	98.4	108.1	112.9	104.9	83.9
17025.5	70°	9867.8	1429.3	138.7	95.2	77.4	72.6	87.1	96.8	87.1	67.8
14552.5	72.5°	8196.6	771.1	112.9	71.0	53.2	48.4	69.4	79.0	69.4	50.0
9337.1	75°	5318.7	413.0	87.1	46.8	27.4	30.7	51.6	58.1	48.4	32.3
2740.8	77.5°	1785.8	182.3	54.8	22.6	12.9	12.9	30.7	35.5	22.6	11.3
498.5	80°	398.5	75.8	22.6	9.7	4.8	4.8	6.5	6.5	3.2	0.0
153.3	82.5°	130.7	30.7	9.7	3.2	0.0	0.0	0.0	0.0	0.0	0.0
38.7	85°	50.0	11.3	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.9	87.5°	19.4	1.6	0.0	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°
3984.6
3931.3
3457.0
2750.5
1847.1
1111.5
824.3
772.7
737.2
688.8
625.9
564.6
501.7
427.5
358.1
304.9
277.5
261.3
250.0
240.4
230.7
217.8
204.9
190.4
167.8
132.3
96.8
82.3
64.5
48.4
29.0
9.7
0.0
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