

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: P849807

Luminaire Tested: **GLAN-SB7A-735-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849807
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-SB7A-735-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3500K, 350mA 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: 24552 lumens
Efficiency: N/A
Efficacy: 123.3 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

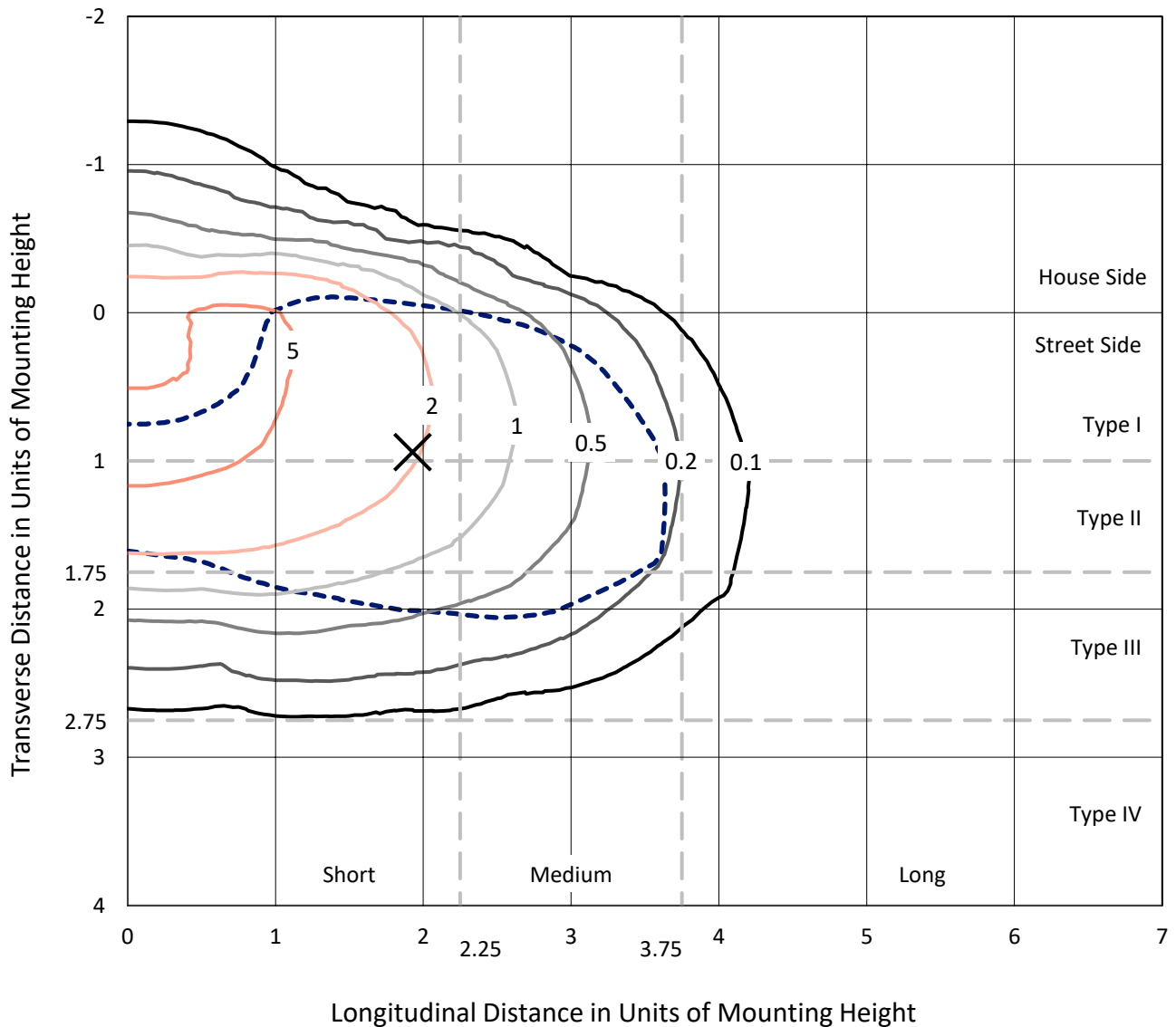
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

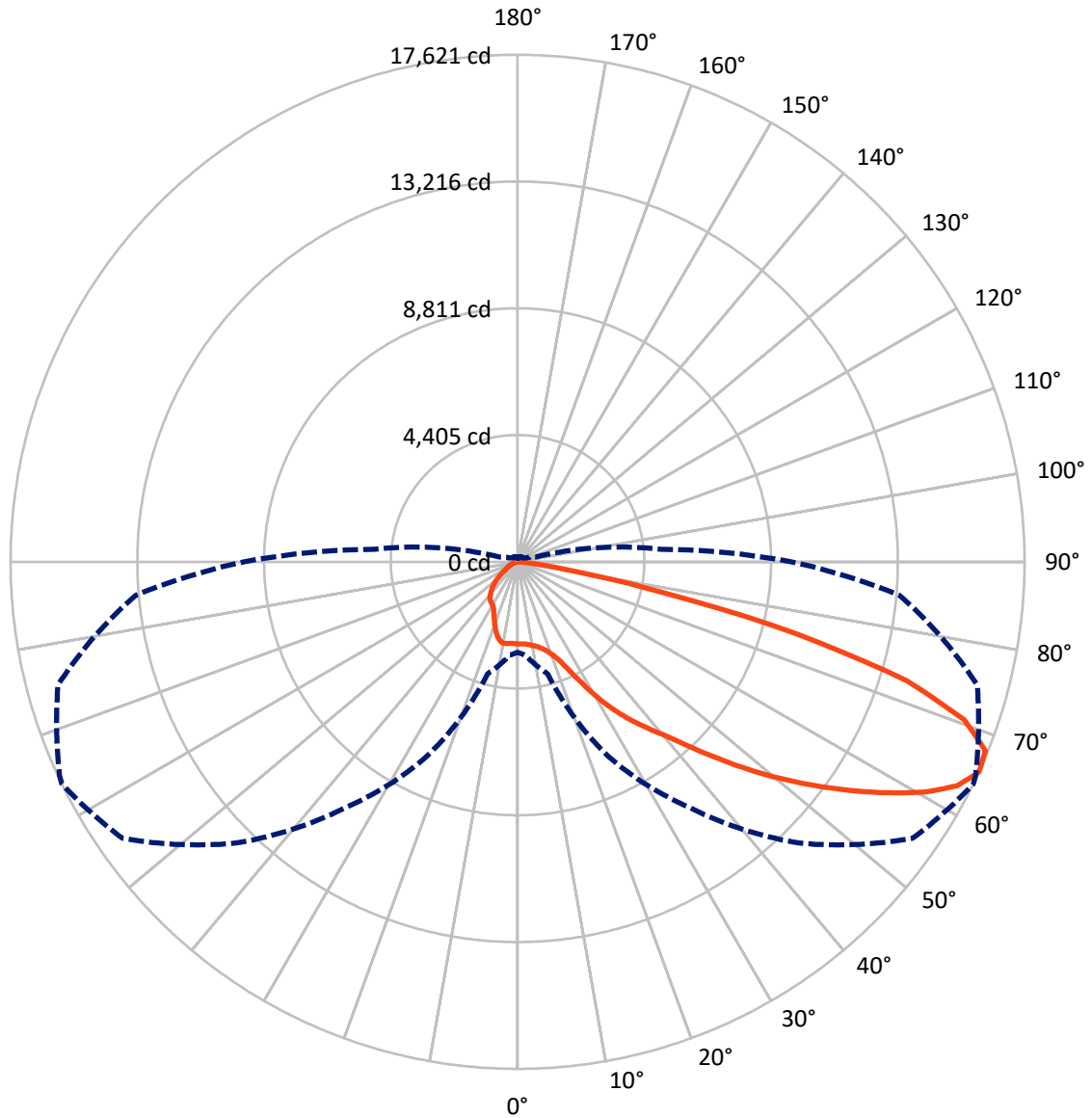
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 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	3283.4	0.0	3283.4
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	21268.7	0.0	21268.7
	% Fixture	86.6	0.0	86.6
Total	Lumens	24552.0	0.0	24552.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.5	1.1
10°-20°	714.6	2.9
20°-30°	1354.1	5.5
30°-40°	2740.0	11.2
40°-50°	4667.6	19.0
50°-60°	6347.6	25.9
60°-70°	5960.8	24.3
70°-80°	2388.1	9.7
80°-90°	115.7	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°	24552.0	100.0
0°-180°	24552.0	100.0

Coefficient of Utilization



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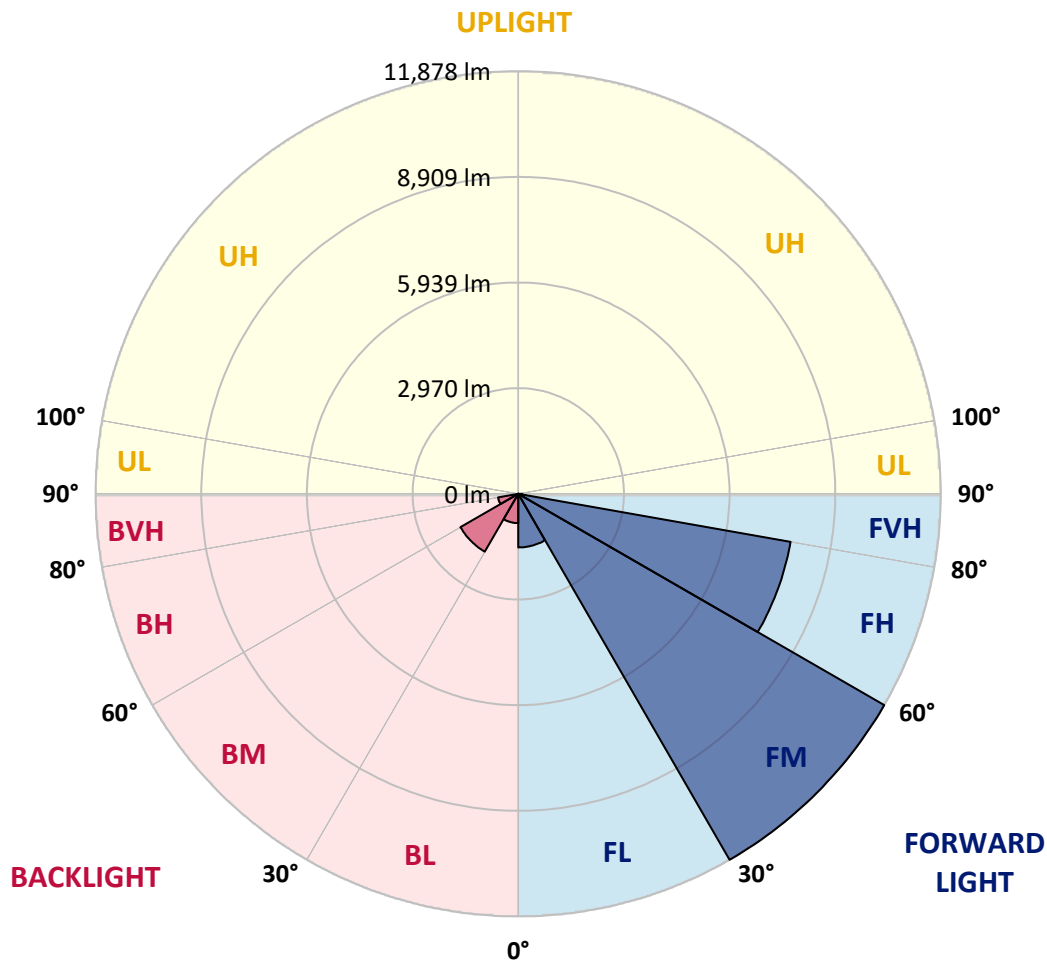
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1507.8	6.1			
FM (30°-60°)	11878.2	48.4			
FH (60°-80°)	7772.6	31.7			G4/12000
FVH (80°-90°)	110.0	0.4			G2/225
BL (0°-30°)	824.3	3.4	B2/1000		
BM (30°-60°)	1877.1	7.6	B2/2500		
BH (60°-80°)	576.3	2.3	B2/1000		G2/1000
BVH (80°-90°)	5.6	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°	2855.7	2855.7	2855.7	2855.7	2855.7	2855.7	2855.7	2855.7	2855.7	2855.7
2.5°	2845.8	2865.5	2860.6	2855.7	2854.0	2857.3	2858.9	2857.3	2857.3	2857.3
5°	2791.5	2807.9	2807.9	2819.4	2835.9	2855.7	2870.5	2873.8	2877.0	2882.0
7.5°	2687.8	2700.9	2710.8	2748.7	2789.8	2842.5	2886.9	2910.0	2913.3	2931.4
10°	2617.0	2633.5	2649.9	2689.4	2748.7	2827.7	2903.4	2959.3	2967.6	3010.4
12.5°	2613.7	2630.2	2651.6	2694.4	2763.5	2847.4	2939.6	3020.2	3035.1	3097.6
15°	2648.3	2668.0	2687.8	2740.4	2814.5	2916.6	3015.3	3115.7	3130.5	3219.4
17.5°	2719.0	2745.4	2760.2	2812.9	2891.9	3005.4	3135.5	3250.7	3263.8	3367.5
20°	2858.9	2890.2	2895.2	2937.9	3015.3	3137.1	3291.8	3435.0	3451.5	3570.0
22.5°	3148.6	3193.1	3153.6	3175.0	3244.1	3365.9	3533.8	3714.8	3737.9	3872.8
25°	3658.9	3721.4	3619.4	3583.1	3612.8	3739.5	3950.2	4179.0	4205.3	4313.9
27.5°	4661.2	4580.6	4425.8	4274.4	4185.5	4258.0	4495.0	4778.1	4811.0	4916.3
30°	5762.3	5691.6	5482.5	5146.8	4936.1	4924.6	5143.5	5459.5	5497.3	5597.7
32.5°	6865.1	6797.6	6570.5	6157.3	5792.0	5610.9	5762.3	6112.9	6132.7	6196.8
35°	7949.7	7880.6	7653.5	7230.5	6781.1	6369.7	6340.0	6735.1	6741.6	6809.1
37.5°	9041.0	8983.4	8741.4	8326.7	7883.9	7316.1	7041.2	7324.3	7332.5	7398.4
40°	9819.5	9844.2	9677.9	9357.0	8976.8	8356.3	7827.9	7951.4	7902.0	8012.3
42.5°	10487.7	10537.1	10392.3	10231.0	10010.4	9464.0	8802.3	8780.9	8701.9	8761.2
45°	11065.4	11106.6	10976.6	10938.7	10933.8	10550.3	9867.2	9738.8	9628.6	9617.0
47.5°	11277.8	11356.8	11412.7	11539.5	11786.4	11625.1	10968.3	10769.2	10645.7	10555.2
50°	11358.4	11442.4	11633.3	12002.0	12586.3	12655.4	12064.5	11840.7	11689.2	11524.7
52.5°	11249.8	11399.6	11656.3	12276.8	13124.5	13481.6	13116.3	12920.4	12747.6	12479.3
55°	10609.5	10759.3	11284.4	12273.5	13392.8	14061.0	14110.4	14023.1	13828.9	13405.9
57.5°	9259.9	9482.1	10313.3	11855.5	13387.8	14559.7	15084.8	15147.3	14930.0	14324.3
60°	7390.1	7691.3	8705.2	10928.8	12974.7	14829.6	15939.0	16251.7	16021.3	15229.6
62.5°	5156.6	5505.6	6465.1	9477.1	12030.0	14635.4	16562.8	17140.5	16966.0	16039.4
65°	3145.3	3257.3	4030.8	7457.6	10423.5	13822.3	16755.4	17621.1	17563.5	16534.8
67.5°	2095.2	2189.1	2411.3	5113.8	8091.3	12197.8	16294.5	17537.2	17553.6	16454.2
70°	1262.4	1343.1	1487.9	2974.2	5243.9	9654.9	14867.5	16467.3	16562.8	15376.1
72.5°	520.1	574.4	706.1	1348.0	2715.8	6127.7	11839.0	14138.4	14360.6	12928.6
75°	294.6	322.6	414.8	676.5	1178.5	2855.7	7171.2	10036.8	10364.3	8911.0
77.5°	195.9	209.0	268.3	437.8	663.3	974.4	3064.7	5229.1	5854.5	4867.0
80°	131.7	143.2	184.3	293.0	431.2	418.1	976.0	1937.2	2383.3	1672.2
82.5°	88.9	90.5	131.7	192.6	273.2	202.4	288.0	602.4	757.1	483.9
85°	51.0	49.4	97.1	111.9	121.8	83.9	87.2	181.1	237.0	204.1
87.5°	6.6	9.9	37.9	29.6	16.5	18.1	18.1	31.3	46.1	49.4
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°
2855.7	0°	2855.7	2855.7	2855.7	2855.7	2855.7	2855.7	2855.7	2855.7	2855.7	2855.7
2858.9	2.5°	2858.9	2857.3	2852.4	2847.4	2835.9	2829.3	2832.6	2829.3	2827.7	2829.3
2880.3	5°	2880.3	2875.4	2862.2	2845.8	2822.7	2794.8	2776.6	2750.3	2725.6	2710.8
2937.9	7.5°	2937.9	2933.0	2914.9	2868.8	2794.8	2677.9	2570.9	2477.1	2406.3	2365.2
3030.1	10°	3030.1	3021.9	2993.9	2891.9	2697.6	2442.5	2230.2	2054.1	1938.9	1884.6
3138.7	12.5°	3138.7	3128.9	3079.5	2870.5	2513.3	2115.0	1822.0	1626.2	1519.2	1471.4
3263.8	15°	3267.1	3254.0	3156.9	2768.4	2245.0	1752.9	1484.6	1338.1	1269.0	1226.2
3423.5	17.5°	3426.8	3403.7	3214.5	2615.3	1953.7	1476.4	1277.2	1166.9	1106.1	1064.9
3632.5	20°	3634.2	3596.3	3260.5	2432.7	1685.4	1301.9	1137.3	1045.2	999.1	962.9
3928.8	22.5°	3923.8	3869.5	3316.5	2235.1	1496.1	1181.8	1033.6	966.1	928.3	887.1
4341.9	25°	4282.7	4218.5	3385.6	2052.4	1366.1	1078.1	957.9	902.0	857.5	809.8
4883.4	27.5°	4784.7	4669.4	3467.9	1902.7	1254.2	989.2	888.8	826.2	775.2	735.7
5497.3	30°	5344.3	5155.0	3540.4	1812.1	1152.1	906.9	798.3	735.7	688.0	660.0
6048.7	32.5°	5874.3	5617.5	3588.1	1772.6	1060.0	813.1	699.5	632.0	595.8	587.6
6588.6	35°	6374.6	6035.5	3583.1	1734.8	977.7	719.3	602.4	533.3	505.3	510.2
7169.6	37.5°	6950.7	6481.6	3548.6	1675.5	910.2	633.7	518.5	457.6	432.9	434.5
7875.7	40°	7620.6	6996.8	3527.2	1563.6	836.1	554.7	449.3	400.0	381.9	375.3
8619.6	42.5°	8334.9	7495.5	3530.5	1436.9	744.0	483.9	401.6	360.5	344.0	339.1
9447.5	45°	9052.5	7971.1	3535.4	1305.2	646.8	429.6	367.0	332.5	322.6	316.0
10286.9	47.5°	9727.3	8376.0	3443.2	1163.7	551.4	388.4	339.1	316.0	307.8	299.6
11129.6	50°	10356.1	8646.0	3221.0	999.1	475.7	355.5	317.7	301.2	293.0	284.7
11893.3	52.5°	10844.9	8688.8	2854.0	829.5	423.0	330.8	304.5	289.7	279.8	271.6
12510.6	55°	11062.2	8420.5	2332.3	671.5	381.9	309.4	291.3	276.5	265.0	256.8
12996.1	57.5°	11006.2	7855.9	1818.7	539.9	342.3	288.0	274.9	265.0	251.8	238.7
13389.5	60°	10731.3	7100.5	1371.0	449.3	306.1	265.0	256.8	248.5	230.4	210.7
13540.9	62.5°	10255.7	6150.8	977.7	372.0	266.6	238.7	235.4	228.8	202.4	166.2
13317.1	65°	9528.2	4997.0	658.4	309.4	228.8	209.0	210.7	199.2	164.6	123.4
12497.4	67.5°	8464.9	3653.9	421.4	253.5	190.9	174.5	176.1	169.5	139.9	105.3
10943.7	70°	7110.3	2419.5	274.9	192.6	153.1	135.0	144.8	146.5	118.5	85.6
8399.1	72.5°	5212.6	1428.6	192.6	143.2	111.9	93.8	118.5	121.8	95.5	64.2
5052.9	75°	2970.9	678.1	144.8	103.7	69.1	65.8	92.2	92.2	65.8	42.8
2187.4	77.5°	1247.6	283.1	102.0	67.5	39.5	37.9	62.5	57.6	32.9	19.8
533.3	80°	360.5	126.7	54.3	32.9	16.5	14.8	24.7	18.1	8.2	3.3
202.4	82.5°	141.5	56.0	21.4	13.2	6.6	6.6	3.3	0.0	0.0	0.0
115.2	85°	83.9	23.0	9.9	4.9	1.6	0.0	0.0	0.0	0.0	0.0
24.7	87.5°	21.4	4.9	3.3	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°
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2855.7
2835.9
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655.1
592.5
510.2
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299.6
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