

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: McGRAW-EDISON

Report Number: P943296

Luminaire Tested: **GALN-SB7C-950-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943296
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7C-950-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 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: 29058 lumens
Efficiency: N/A
Efficacy: 82.9 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

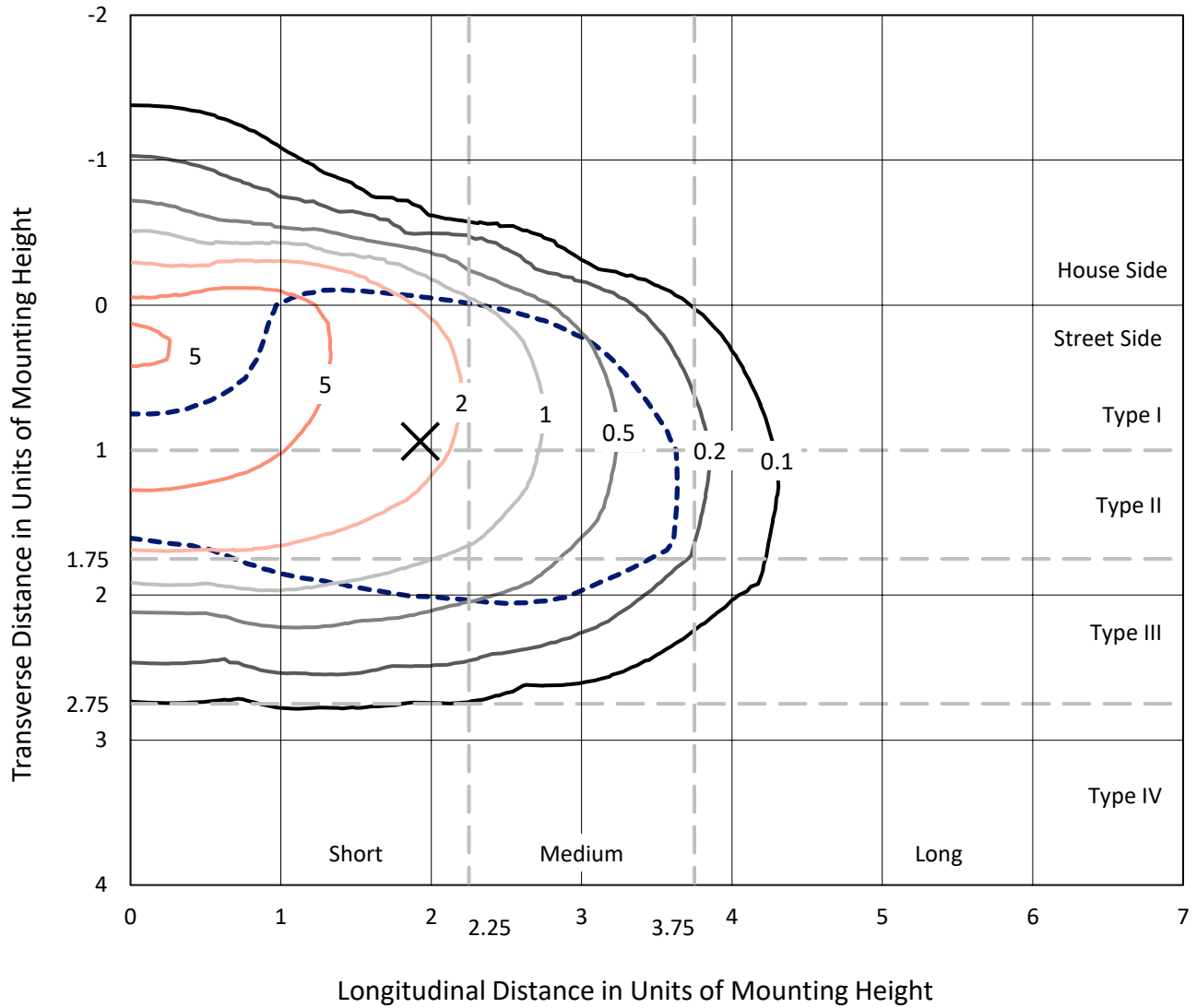
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

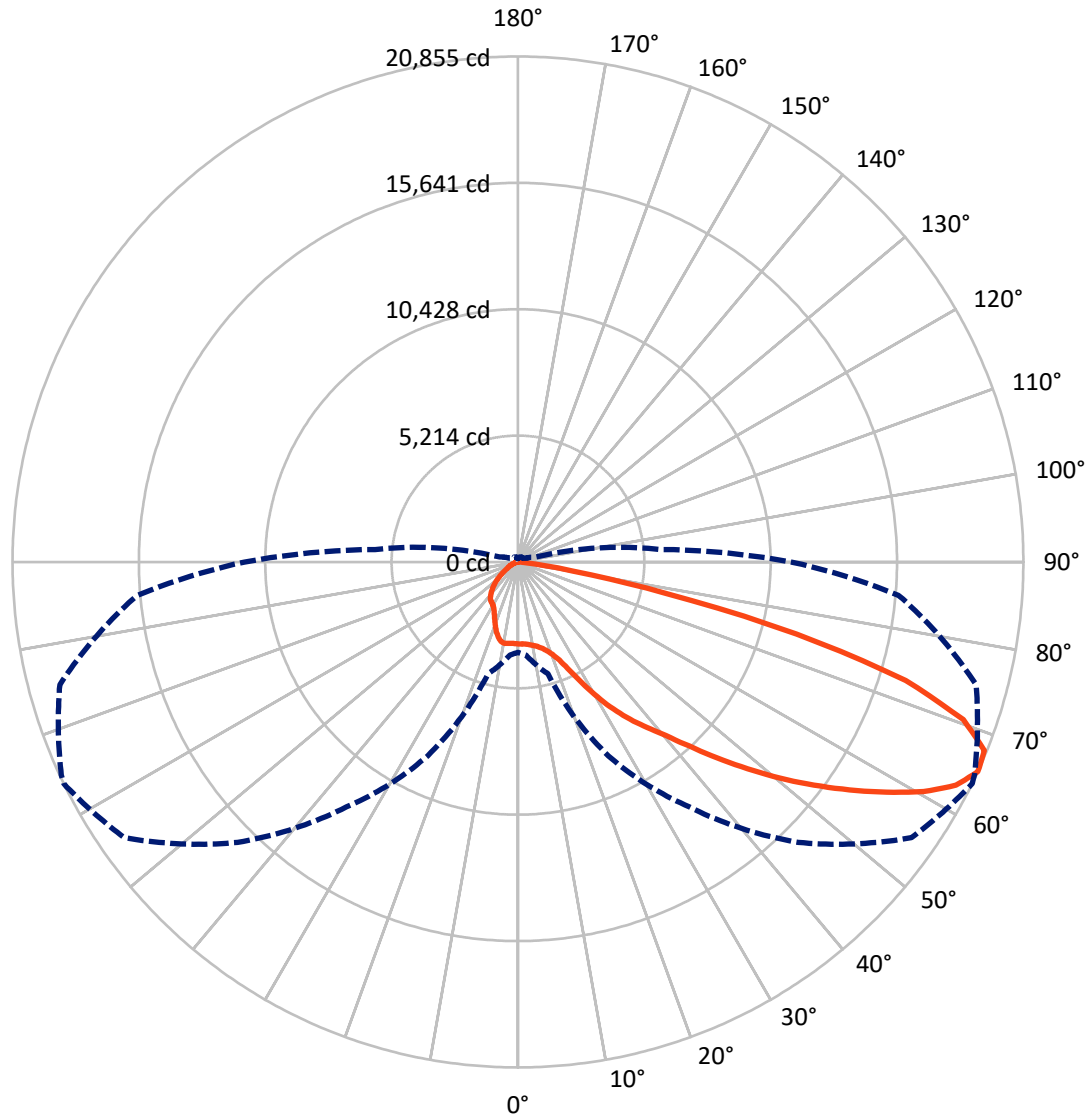
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 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	3885.9	0.0	3885.9
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	25172.1	0.0	25172.1
	% Fixture	86.6	0.0	86.6
Total	Lumens	29058.0	0.0	29058.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.8	1.1
10°-20°	845.7	2.9
20°-30°	1602.6	5.5
30°-40°	3242.9	11.2
40°-50°	5524.3	19.0
50°-60°	7512.6	25.9
60°-70°	7054.7	24.3
70°-80°	2826.4	9.7
80°-90°	136.9	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°	29058.0	100.0
0°-180°	29058.0	100.0

Coefficient of Utilization



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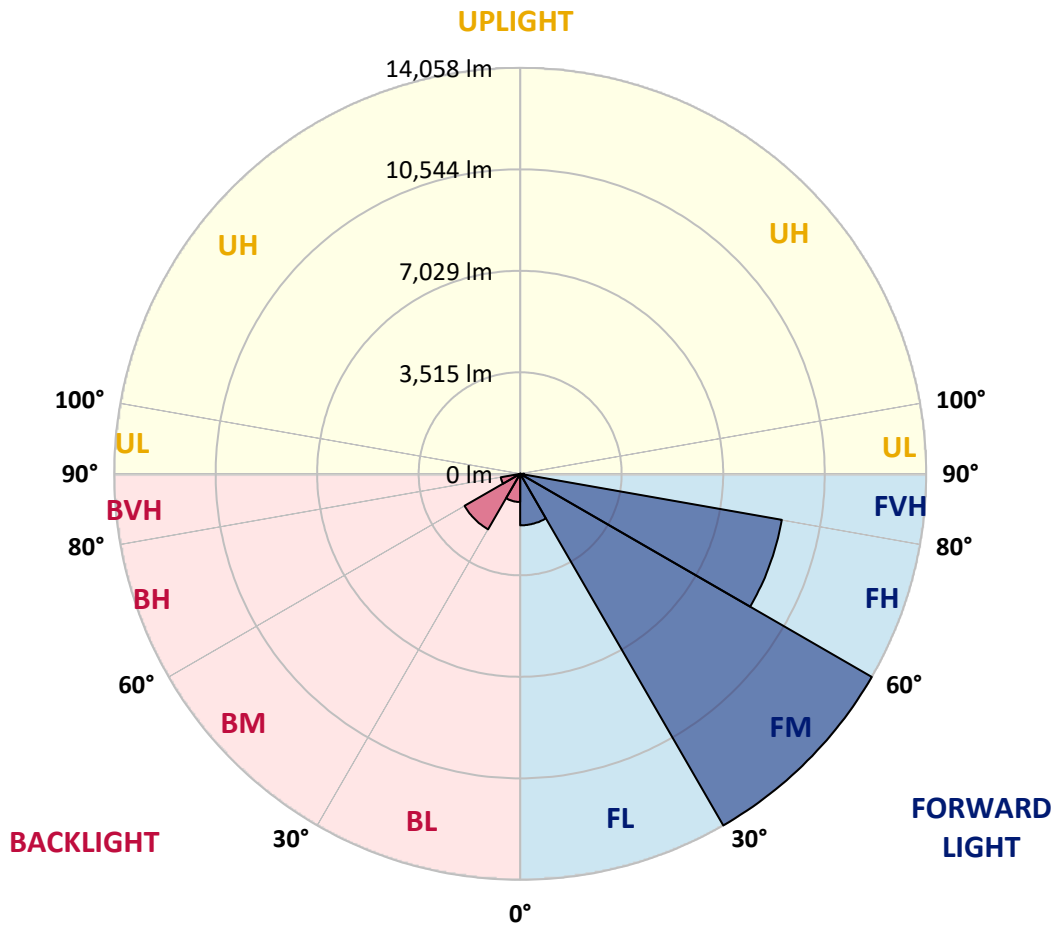
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1784.5	6.1			
FM (30°-60°)	14058.2	48.4			
FH (60°-80°)	9199.1	31.7			G4/12000
FVH (80°-90°)	130.2	0.4			G2/225
BL (0°-30°)	975.6	3.4	B2/1000		
BM (30°-60°)	2221.6	7.6	B2/2500		
BH (60°-80°)	682.0	2.3	B2/1000		G2/1000
BVH (80°-90°)	6.7	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°	3379.7	3379.7	3379.7	3379.7	3379.7	3379.7	3379.7	3379.7	3379.7	3379.7
2.5°	3368.1	3391.4	3385.6	3379.7	3377.8	3381.7	3383.6	3381.7	3381.7	3381.7
5°	3303.8	3323.3	3323.3	3336.9	3356.4	3379.7	3397.3	3401.2	3405.1	3410.9
7.5°	3181.1	3196.6	3208.3	3253.1	3301.8	3364.2	3416.8	3444.0	3447.9	3469.4
10°	3097.3	3116.8	3136.2	3183.0	3253.1	3346.6	3436.2	3502.5	3512.2	3562.9
12.5°	3093.4	3112.9	3138.2	3188.8	3270.7	3370.0	3479.1	3574.5	3592.1	3666.1
15°	3134.3	3157.7	3181.1	3243.4	3331.0	3451.8	3568.7	3687.5	3705.1	3810.3
17.5°	3218.1	3249.2	3266.8	3329.1	3422.6	3557.0	3710.9	3847.3	3862.8	3985.6
20°	3383.6	3420.7	3426.5	3477.1	3568.7	3712.9	3896.0	4065.4	4084.9	4225.2
22.5°	3726.5	3779.1	3732.3	3757.7	3839.5	3983.6	4182.3	4396.6	4423.9	4583.6
25°	4330.4	4404.4	4283.6	4240.8	4275.8	4425.8	4675.2	4945.9	4977.1	5105.7
27.5°	5516.7	5421.2	5238.1	5058.9	4953.7	5039.4	5319.9	5655.0	5693.9	5818.6
30°	6819.9	6736.1	6488.7	6091.3	5842.0	5828.4	6087.4	6461.5	6506.3	6625.1
32.5°	8125.0	8045.2	7776.3	7287.4	6854.9	6640.7	6819.9	7234.8	7258.2	7334.1
35°	9408.7	9326.9	9058.1	8557.5	8025.7	7538.7	7503.6	7971.1	7978.9	8058.8
37.5°	10700.3	10632.1	10345.7	9854.8	9330.8	8658.8	8333.5	8668.5	8678.3	8756.2
40°	11621.7	11650.9	11454.1	11074.3	10624.3	9889.9	9264.6	9410.7	9352.3	9482.8
42.5°	12412.5	12471.0	12299.6	12108.7	11847.6	11200.9	10417.8	10392.5	10299.0	10369.1
45°	13096.3	13145.0	12991.1	12946.3	12940.4	12486.6	11678.1	11526.2	11395.7	11382.1
47.5°	13347.6	13441.1	13507.3	13657.3	13949.5	13758.6	12981.3	12745.6	12599.5	12492.4
50°	13443.0	13542.4	13768.3	14204.7	14896.2	14978.0	14278.7	14013.8	13834.6	13639.8
52.5°	13314.5	13491.7	13795.6	14530.0	15533.2	15955.9	15523.5	15291.7	15087.1	14769.6
55°	12556.7	12734.0	13355.4	14526.1	15850.7	16641.6	16700.0	16596.8	16366.9	15866.3
57.5°	10959.3	11222.3	12206.0	14031.3	15844.9	17231.8	17853.2	17927.3	17670.1	16953.3
60°	8746.4	9102.9	10302.9	12934.6	15355.9	17551.3	18864.2	19234.4	18961.6	18024.7
62.5°	6103.0	6516.0	7651.7	11216.5	14237.8	17321.4	19602.5	20286.3	20079.8	18983.1
65°	3722.6	3855.1	4770.6	8826.3	12336.6	16359.1	19830.4	20855.1	20786.9	19569.4
67.5°	2479.8	2590.8	2853.8	6052.4	9576.3	14436.5	19285.0	20755.7	20775.2	19474.0
70°	1494.1	1589.6	1761.0	3520.0	6206.3	11426.9	17596.1	19489.6	19602.5	18198.0
72.5°	615.6	679.8	835.7	1595.4	3214.2	7252.3	14011.8	16733.2	16996.1	15301.4
75°	348.7	381.8	490.9	800.6	1394.8	3379.7	8487.4	11878.8	12266.4	10546.4
77.5°	231.8	247.4	317.5	518.2	785.0	1153.2	3627.1	6188.7	6929.0	5760.2
80°	155.8	169.5	218.2	346.7	510.4	494.8	1155.2	2292.8	2820.7	1979.1
82.5°	105.2	107.1	155.8	227.9	323.4	239.6	340.9	713.0	896.1	572.7
85°	60.4	58.4	114.9	132.5	144.2	99.3	103.2	214.3	280.5	241.5
87.5°	7.8	11.7	44.8	35.1	19.5	21.4	21.4	37.0	54.5	58.4
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°
3379.7	0°	3379.7	3379.7	3379.7	3379.7	3379.7	3379.7	3379.7	3379.7	3379.7	3379.7
3383.6	2.5°	3383.6	3381.7	3375.9	3370.0	3356.4	3348.6	3352.5	3348.6	3346.6	3348.6
3409.0	5°	3409.0	3403.1	3387.5	3368.1	3340.8	3307.7	3286.2	3255.1	3225.9	3208.3
3477.1	7.5°	3477.1	3471.3	3449.9	3395.3	3307.7	3169.4	3042.7	2931.7	2847.9	2799.2
3586.2	10°	3586.2	3576.5	3543.4	3422.6	3192.7	2890.8	2639.5	2431.1	2294.7	2230.4
3714.8	12.5°	3714.8	3703.1	3644.7	3397.3	2974.6	2503.2	2156.4	1924.6	1798.0	1741.5
3862.8	15°	3866.7	3851.2	3736.2	3276.5	2657.0	2074.6	1757.1	1583.7	1501.9	1451.2
4051.8	17.5°	4055.7	4028.4	3804.4	3095.3	2312.3	1747.3	1511.6	1381.1	1309.0	1260.3
4299.2	20°	4301.1	4256.3	3859.0	2879.1	1994.7	1540.9	1346.1	1237.0	1182.4	1139.6
4649.8	22.5°	4644.0	4579.7	3925.2	2645.4	1770.7	1398.7	1223.3	1143.5	1098.7	1050.0
5138.8	25°	5068.6	4992.7	4007.0	2429.1	1616.8	1275.9	1133.7	1067.5	1014.9	958.4
5779.7	27.5°	5662.8	5526.4	4104.4	2251.9	1484.4	1170.7	1051.9	977.9	917.5	870.7
6506.3	30°	6325.1	6101.1	4190.1	2144.7	1363.6	1073.3	944.8	870.7	814.3	781.1
7158.8	32.5°	6952.3	6648.5	4246.6	2098.0	1254.5	962.3	827.9	748.0	705.2	695.4
7797.8	35°	7544.5	7143.2	4240.8	2053.2	1157.1	851.3	713.0	631.1	598.0	603.9
8485.4	37.5°	8226.3	7671.1	4199.8	1983.0	1077.2	750.0	613.6	541.5	512.3	514.3
9321.1	40°	9019.2	8280.9	4174.5	1850.6	989.6	656.5	531.8	473.4	451.9	444.1
10201.6	42.5°	9864.6	8871.1	4178.4	1700.6	880.5	572.7	475.3	426.6	407.1	401.3
11181.4	45°	10713.9	9434.1	4184.3	1544.7	765.6	508.4	434.4	393.5	381.8	374.0
12174.9	47.5°	11512.6	9913.3	4075.2	1377.2	652.6	459.7	401.3	374.0	364.3	354.5
13172.2	50°	12256.7	10232.7	3812.2	1182.4	563.0	420.8	376.0	356.5	346.7	337.0
14076.1	52.5°	12835.2	10283.4	3377.8	981.8	500.6	391.5	360.4	342.8	331.2	321.4
14806.6	55°	13092.4	9965.9	2760.3	794.8	451.9	366.2	344.8	327.3	313.6	303.9
15381.3	57.5°	13026.1	9297.7	2152.5	638.9	405.2	340.9	325.3	313.6	298.0	282.5
15846.8	60°	12700.8	8403.6	1622.7	531.8	362.3	313.6	303.9	294.1	272.7	249.3
16026.0	62.5°	12137.9	7279.6	1157.1	440.2	315.6	282.5	278.6	270.8	239.6	196.7
15761.1	65°	11276.9	5914.1	779.2	366.2	270.8	247.4	249.3	235.7	194.8	146.1
14791.0	67.5°	10018.5	4324.5	498.7	300.0	226.0	206.5	208.4	200.6	165.6	124.7
12952.1	70°	8415.3	2863.5	325.3	227.9	181.2	159.7	171.4	173.4	140.3	101.3
9940.5	72.5°	6169.3	1690.8	227.9	169.5	132.5	111.0	140.3	144.2	113.0	76.0
5980.3	75°	3516.1	802.6	171.4	122.7	81.8	77.9	109.1	109.1	77.9	50.6
2588.9	77.5°	1476.6	335.1	120.8	79.9	46.8	44.8	74.0	68.2	39.0	23.4
631.1	80°	426.6	150.0	64.3	39.0	19.5	17.5	29.2	21.4	9.7	3.9
239.6	82.5°	167.5	66.2	25.3	15.6	7.8	7.8	3.9	0.0	0.0	0.0
136.4	85°	99.3	27.3	11.7	5.8	1.9	0.0	0.0	0.0	0.0	0.0
29.2	87.5°	25.3	5.8	3.9	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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3379.7
3356.4
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775.3
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