Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P942750

Luminaire Tested: **GALN-SB6D-930-U-5WQ**

Issue Date: 1/21/2025

Report Generated By 670246001

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Test Information

Test Method:	LM-79-08
Report Number:	P942750
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SB6D-930-U-5WQ
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(6) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	43421 lumens
Efficiency:	N/A
Efficacy:	98.7 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B5 - U0 - G4
Input Watts (W):	440.1
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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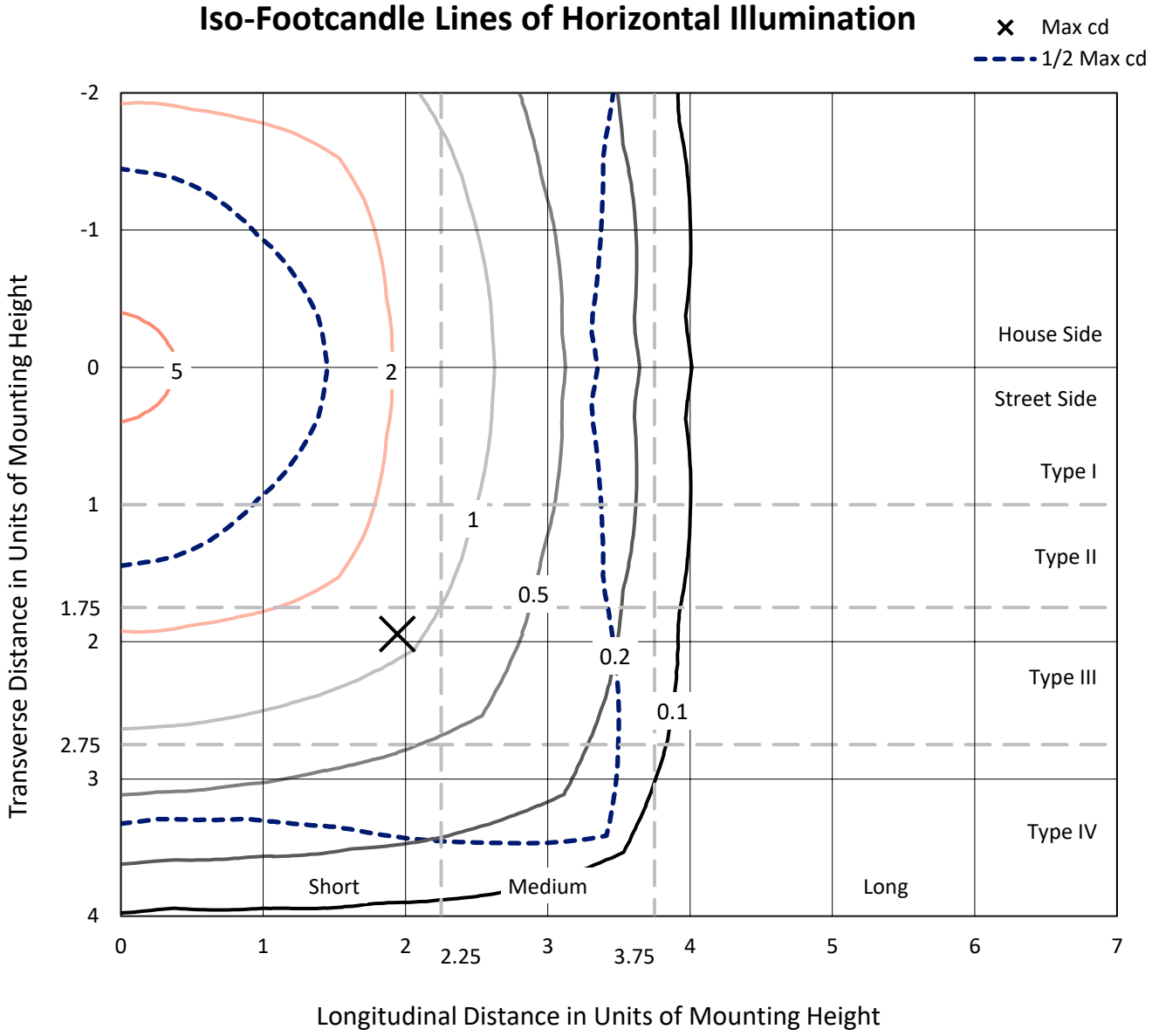
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
Type V - Short - N/A

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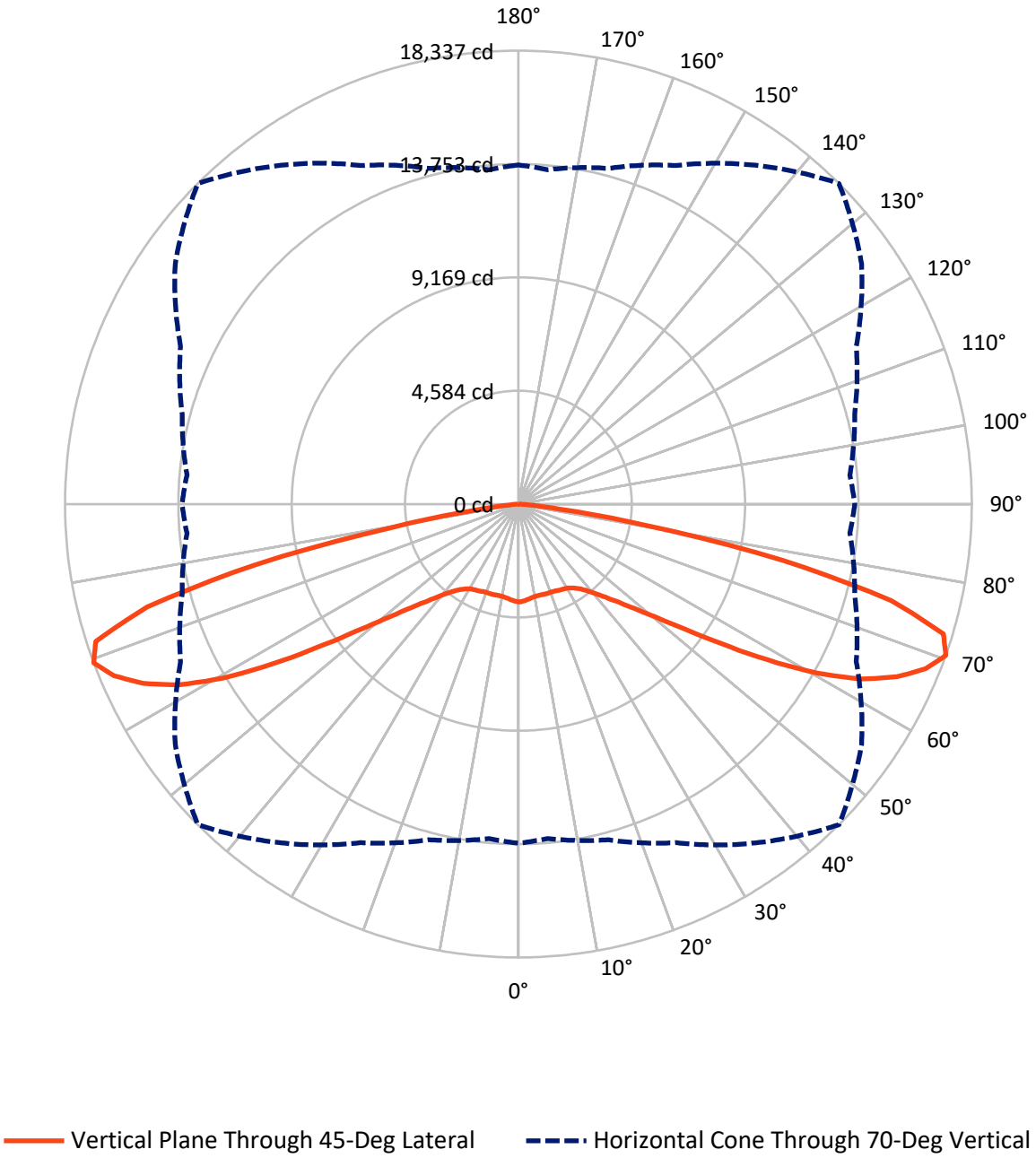
Luminous Intensity Polar Plot



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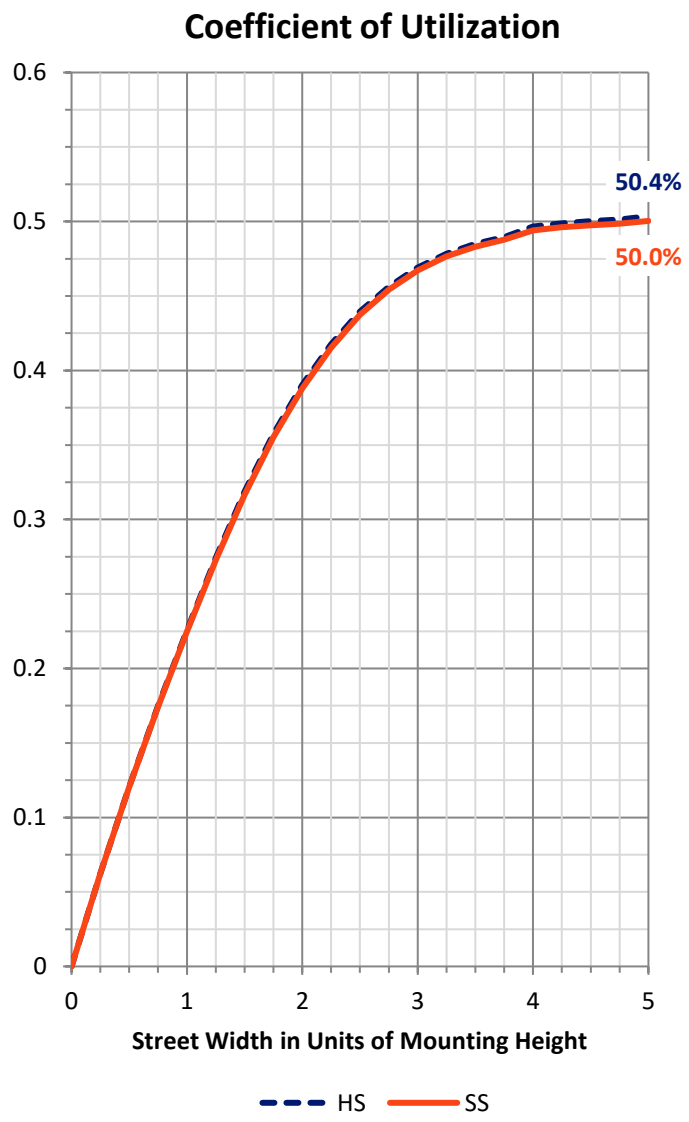
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21710.5	0.0	21710.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21710.5	0.0	21710.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	43421.0	0.0	43421.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	368.5	0.8
10°-20°	1081.9	2.5
20°-30°	1800.4	4.1
30°-40°	2722.7	6.3
40°-50°	4524.5	10.4
50°-60°	8537.7	19.7
60°-70°	14416.2	33.2
70°-80°	9472.9	21.8
80°-90°	496.3	1.1
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°	43421.0	100.0
0°-180°	43421.0	100.0



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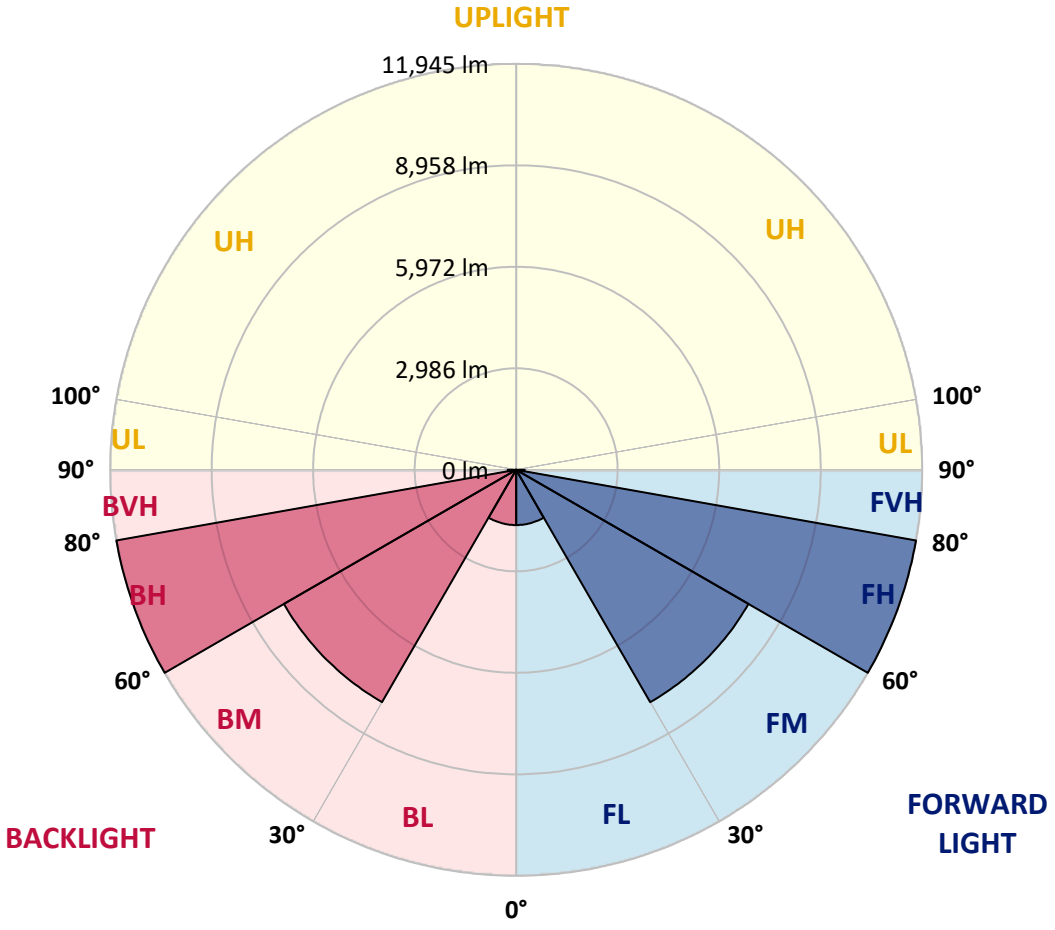
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1625.4	3.7			
FM	(30°-60°)	7892.5	18.2			
FH	(60°-80°)	11944.5	27.5			G4/12000
FVH	(80°-90°)	248.1	0.6			G3/500
BL	(0°-30°)	1625.4	3.7	B3/2500		
BM	(30°-60°)	7892.5	18.2	B4/8500		
BH	(60°-80°)	11944.5	27.5	B5		G4/12000
BVH	(80°-90°)	248.1	0.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4
Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3960.9	3960.9	3960.9	3960.9	3960.9	*3960.9*	3960.9	3960.9	3960.9	3960.9
2.5°	3936.0	3947.3	3942.8	3933.8	3933.8	*3927.0*	3933.8	3938.3	3945.1	3949.6
5°	3884.1	3893.2	3890.9	3884.1	3886.4	*3879.6*	3884.1	3890.9	3895.4	3897.7
7.5°	3839.0	3848.0	3843.5	3832.2	3832.2	*3825.5*	3827.7	3834.5	3841.3	3843.5
10°	3827.7	3836.7	3823.2	3805.1	3798.4	*3789.3*	3791.6	3798.4	3811.9	3818.7
12.5°	3832.2	3839.0	3825.5	3798.4	3791.6	*3782.6*	3782.6	3789.3	3807.4	3816.4
15°	3845.8	3852.5	3832.2	3802.9	3796.1	*3789.3*	3787.1	3796.1	3816.4	3832.2
17.5°	3870.6	3877.4	3845.8	3805.1	3796.1	*3798.4*	3796.1	3802.9	3834.5	3863.8
20°	3893.2	3897.7	3854.8	3805.1	3796.1	*3798.4*	3796.1	3809.7	3850.3	3890.9
22.5°	3899.9	3904.4	3863.8	3820.9	3814.2	*3816.4*	3814.2	3827.7	3866.1	3906.7
25°	3902.2	3909.0	3877.4	3843.5	3854.8	*3859.3*	3854.8	3857.1	3886.4	3922.5
27.5°	3936.0	3945.1	3915.7	3886.4	3893.2	*3890.9*	3897.7	3904.4	3927.0	3963.1
30°	4006.0	4012.8	3988.0	3958.6	3954.1	*3938.3*	3958.6	3981.2	4006.0	4037.6
32.5°	4121.1	4134.7	4103.1	4071.5	4051.1	*4042.1*	4057.9	4096.3	4130.1	4164.0
35°	4312.9	4322.0	4292.6	4234.0	4197.8	*4197.8*	4211.4	4261.0	4315.2	4358.1
37.5°	4583.8	4595.1	4543.2	4473.2	4419.0	*4419.0*	4437.1	4489.0	4570.2	4631.2
40°	4913.3	4929.1	4863.6	4791.4	4739.5	*4730.5*	4753.0	4811.7	4888.5	4965.2
42.5°	5310.5	5328.6	5242.8	5179.6	5139.0	*5139.0*	5150.3	5204.4	5274.4	5369.2
45°	5818.3	5849.9	5732.5	5669.3	5631.0	*5640.0*	5646.8	5694.2	5757.4	5865.7
47.5°	6423.2	6454.8	6330.6	6265.2	6258.4	*6301.3*	6274.2	6308.1	6341.9	6466.0
50°	7109.3	7163.4	7077.7	7073.1	7086.7	*7165.7*	7102.5	7120.5	7082.2	7161.2
52.5°	7948.8	8027.8	8012.0	8039.1	8190.3	*8352.8*	8208.4	8145.2	8000.7	8025.6
55°	8966.7	9086.3	9108.9	9271.4	9614.4	*9946.2*	9639.2	9384.2	9077.3	9020.9
57.5°	10124.5	10219.3	10327.6	10659.4	11300.3	*11889.4*	11300.3	10736.1	10253.1	10138.0
60°	11370.3	11487.6	11591.5	12081.2	13033.6	*13861.9*	13015.6	12119.6	11480.9	11325.2
62.5°	12708.6	12859.8	12932.1	13476.0	14586.4	*15574.9*	14602.2	13516.6	12807.9	12640.9
65°	13992.8	14116.9	14198.2	14778.2	15839.0	*16829.7*	15911.2	14841.4	14112.4	13893.5
67.5°	14590.9	14658.6	14857.2	15514.0	16633.4	*17764.1*	16823.0	15583.9	14769.2	14385.5
70°	*13715.2*	*13577.5*	*14056.0*	*15107.7*	*16728.2*	*18337.4*	*16944.8*	*15076.1*	*14078.6*	*13455.7*
72.5°	10598.4	10361.5	11192.0	12990.7	15644.9	*17971.7*	15753.2	13092.3	11708.8	10445.0
75°	5766.4	5497.8	6644.3	8919.3	12476.2	*15577.2*	12762.8	9174.3	7398.1	5723.5
77.5°	1627.2	1525.7	2451.0	4315.2	7504.2	*10937.0*	7793.1	4410.0	2906.9	1724.3
80°	498.8	483.0	654.5	1300.0	3186.8	*5238.3*	3062.6	1315.8	832.8	525.9
82.5°	295.7	270.8	325.0	474.0	812.5	*1645.3*	789.9	494.3	397.2	266.3
85°	169.3	158.0	191.8	230.2	273.1	*349.8*	227.9	234.7	212.1	142.2
87.5°	70.0	63.2	74.5	72.2	63.2	*81.2*	60.9	72.2	85.8	56.4
90°	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0	0.0	0.0

(END C

90°
3960.9
3947.3
3897.7
3843.5
3818.7
3818.7
3834.5
3863.8
3893.2
3906.7
3920.2
3954.1
4030.8
4150.4
4342.3
4608.6
4940.4
5362.4
5861.2
6429.9
7113.8
7942.1
8932.8
10056.8
11189.7
12505.5
13785.2
14390.0
13604.6
10758.7
6095.9
1916.1
555.2
288.9
149.0
51.9
0.0

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