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

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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: P950962

Luminaire Tested: **GALN-SB5B-735-U-5MQ**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P950962
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SB5B-735-U-5MQ
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(5) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	29789 lumens
Efficiency:	N/A
Efficacy:	163.0 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B5 - U0 - G3
Input Watts (W):	182.7
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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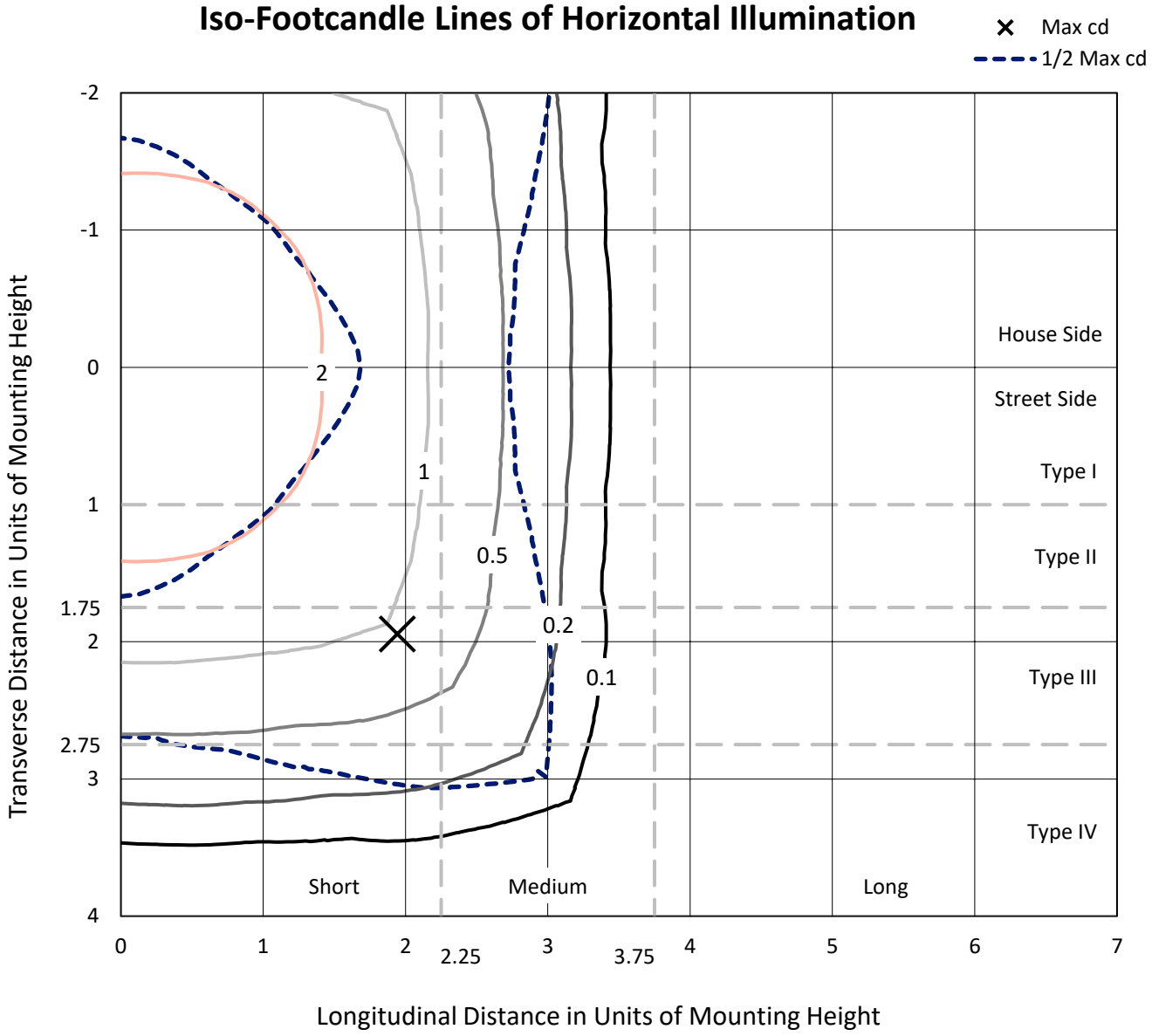
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
Type V - Short - N/A

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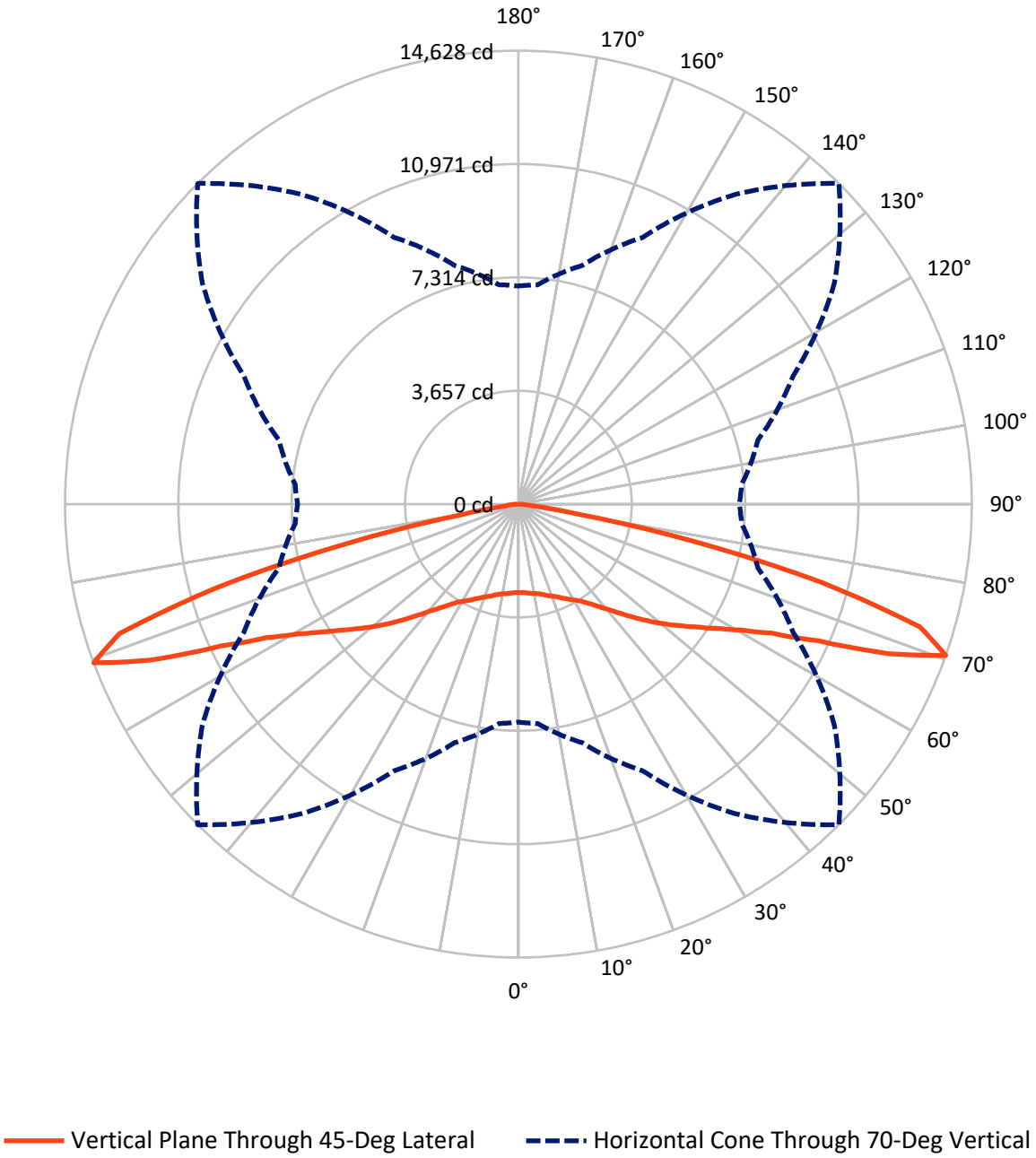
Luminous Intensity Polar Plot



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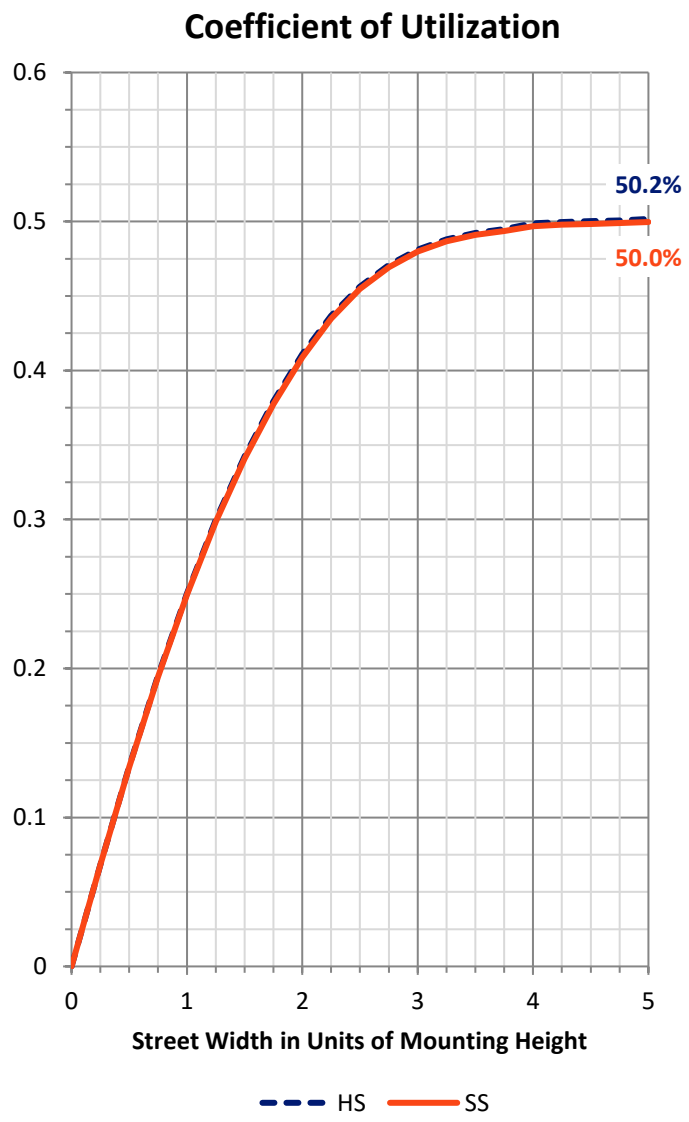
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14894.5	0.0	14894.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14894.5	0.0	14894.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29789.0	0.0	29789.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.2	0.9
10°-20°	859.6	2.9
20°-30°	1536.2	5.2
30°-40°	2490.2	8.4
40°-50°	4056.1	13.6
50°-60°	6184.2	20.8
60°-70°	9200.2	30.9
70°-80°	5014.4	16.8
80°-90°	170.8	0.6
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°	29789.0	100.0
0°-180°	29789.0	100.0



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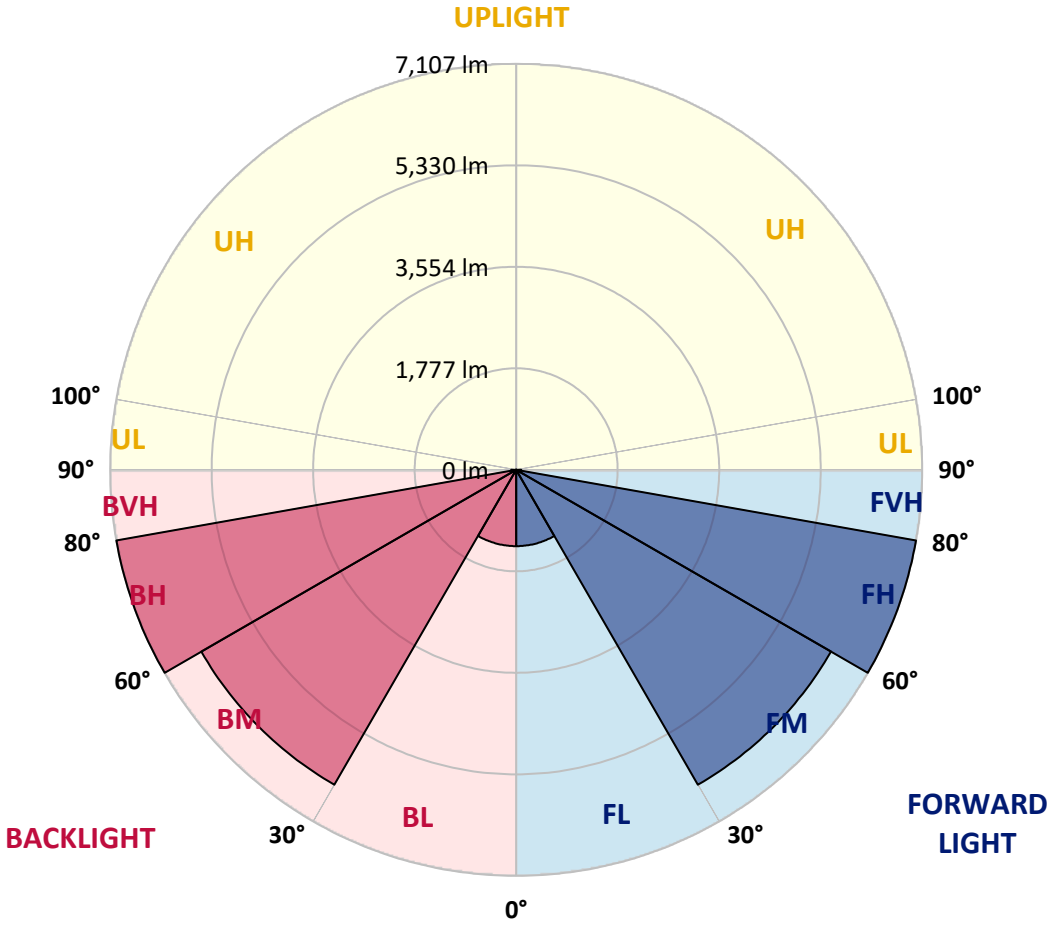
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1336.5	4.5			
FM	(30°-60°)	6365.3	21.4			
FH	(60°-80°)	7107.3	23.9			G3/7500
FVH	(80°-90°)	85.4	0.3			G1/100
BL	(0°-30°)	1336.5	4.5	B3/2500		
BM	(30°-60°)	6365.3	21.4	B4/8500		
BH	(60°-80°)	7107.3	23.9	B5		G3/7500
BVH	(80°-90°)	85.4	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3
Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2853.5	2853.5	2853.5	2853.5	2853.5	*2853.5*	2853.5	2853.5	2853.5	2853.5
2.5°	2866.9	2869.9	2863.9	2861.0	2858.0	*2853.5*	2855.0	2862.5	2868.4	2866.9
5°	2890.9	2893.9	2889.4	2887.9	2881.9	*2880.4*	2880.4	2887.9	2892.4	2889.4
7.5°	2917.8	2922.3	2914.8	2913.3	2910.3	*2907.3*	2905.8	2913.3	2917.8	2917.8
10°	2943.2	2947.7	2941.7	2937.2	2934.2	*2934.2*	2931.2	2937.2	2944.7	2943.2
12.5°	2970.1	2973.1	2967.1	2964.1	2964.1	*2968.6*	2964.1	2967.1	2973.1	2970.1
15°	3003.0	3004.5	3003.0	3007.5	3015.0	*3030.0*	3016.5	3013.5	3016.5	3009.0
17.5°	3047.9	3050.9	3056.9	3067.3	3077.8	*3104.7*	3080.8	3073.3	3073.3	3058.4
20°	3103.2	3107.7	3116.7	3134.6	3148.1	*3173.5*	3149.6	3139.1	3134.6	3115.2
22.5°	3161.6	3169.0	3182.5	3206.4	3230.4	*3254.3*	3230.4	3212.4	3198.9	3173.5
25°	3228.9	3237.8	3258.8	3297.7	3330.6	*3365.0*	3336.5	3300.6	3273.7	3237.8
27.5°	3324.6	3335.0	3360.5	3408.3	3450.2	*3480.1*	3453.2	3406.8	3369.4	3326.1
30°	3459.2	3469.6	3499.5	3550.4	3578.8	*3598.3*	3580.3	3544.4	3499.5	3450.2
32.5°	3632.7	3646.1	3679.0	3726.9	3732.9	*3735.8*	3729.9	3711.9	3679.0	3619.2
35°	3852.5	3867.4	3904.8	3943.7	3937.7	*3943.7*	3934.7	3928.8	3904.8	3836.0
37.5°	4121.7	4139.6	4178.5	4208.4	4193.5	*4186.0*	4187.5	4189.0	4175.5	4099.3
40°	4434.3	4458.2	4486.6	4518.0	4492.6	*4470.1*	4485.1	4497.1	4485.1	4407.3
42.5°	4755.8	4790.2	4820.1	4865.0	4844.0	*4815.6*	4836.6	4850.0	4824.6	4740.8
45°	5113.2	5146.1	5185.0	5252.3	5237.4	*5207.4*	5237.4	5240.3	5197.0	5098.3
47.5°	5482.6	5517.0	5575.3	5665.1	5659.1	*5626.2*	5665.1	5644.1	5588.8	5470.7
50°	5832.6	5880.4	5970.2	6095.8	6107.8	*6067.4*	6119.7	6079.3	5986.6	5838.6
52.5°	6161.6	6212.4	6354.5	6525.0	6568.4	*6516.0*	6586.3	6516.0	6377.0	6187.0
55°	6507.1	6563.9	6732.9	6955.7	7042.5	*7003.6*	7069.4	6963.2	6765.8	6535.5
57.5°	6913.9	6948.2	7150.1	7414.9	7561.4	*7570.4*	7600.3	7420.8	7181.6	6919.8
60°	7355.0	7402.9	7622.7	7939.8	8171.6	*8246.4*	8215.0	7948.8	7670.6	7370.0
62.5°	7920.3	7972.7	8235.9	8615.8	8982.2	*9167.6*	9045.0	8659.1	8315.2	7954.7
65°	8388.4	8446.8	8922.4	9599.8	10266.8	*10639.2*	10331.1	9620.8	9001.6	8493.1
67.5°	8049.0	8120.7	8867.0	10111.3	11769.8	*12881.0*	11826.7	10263.8	9051.0	8361.5
70°	*7035.0*	*7102.3*	*7972.7*	*9493.6*	*12193.1*	*14627.8*	*12447.3*	*9773.3*	*8001.1*	*7229.4*
72.5°	4670.6	4887.4	5768.3	7592.8	10887.5	*13536.1*	10995.2	7438.8	5351.0	4660.1
75°	1549.4	1722.9	2324.1	3936.2	7292.2	*10123.3*	6942.3	3483.1	1841.0	1325.0
77.5°	390.3	450.2	620.6	1126.1	2908.8	*5763.8*	2618.7	919.8	501.0	350.0
80°	189.9	209.4	299.1	375.4	728.3	*1832.0*	683.5	352.9	236.3	182.5
82.5°	104.7	106.2	169.0	212.4	270.7	*474.1*	281.2	206.4	136.1	110.7
85°	64.3	62.8	89.7	113.7	113.7	*169.0*	134.6	113.7	77.8	68.8
87.5°	25.4	25.4	32.9	35.9	31.4	*43.4*	34.4	37.4	29.9	28.4
90°	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0	0.0	0.0

(END C

90°
2853.5
2868.4
2890.9
2917.8
2943.2
2968.6
3009.0
3058.4
3115.2
3172.0
3236.3
3324.6
3450.2
3620.7
3836.0
4099.3
4407.3
4746.8
5108.7
5463.2
5835.6
6169.1
6504.1
6883.9
7322.1
7891.9
8409.4
8258.3
7126.2
4509.0
1253.3
312.6
167.5
110.7
71.8
29.9
0.0

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