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: P951446

Luminaire Tested: **GALN-SB5C-835-U-5NQ**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P951446
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SB5C-835-U-5NQ
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(5) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	36770 lumens
Efficiency:	N/A
Efficacy:	147.4 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):	249.5
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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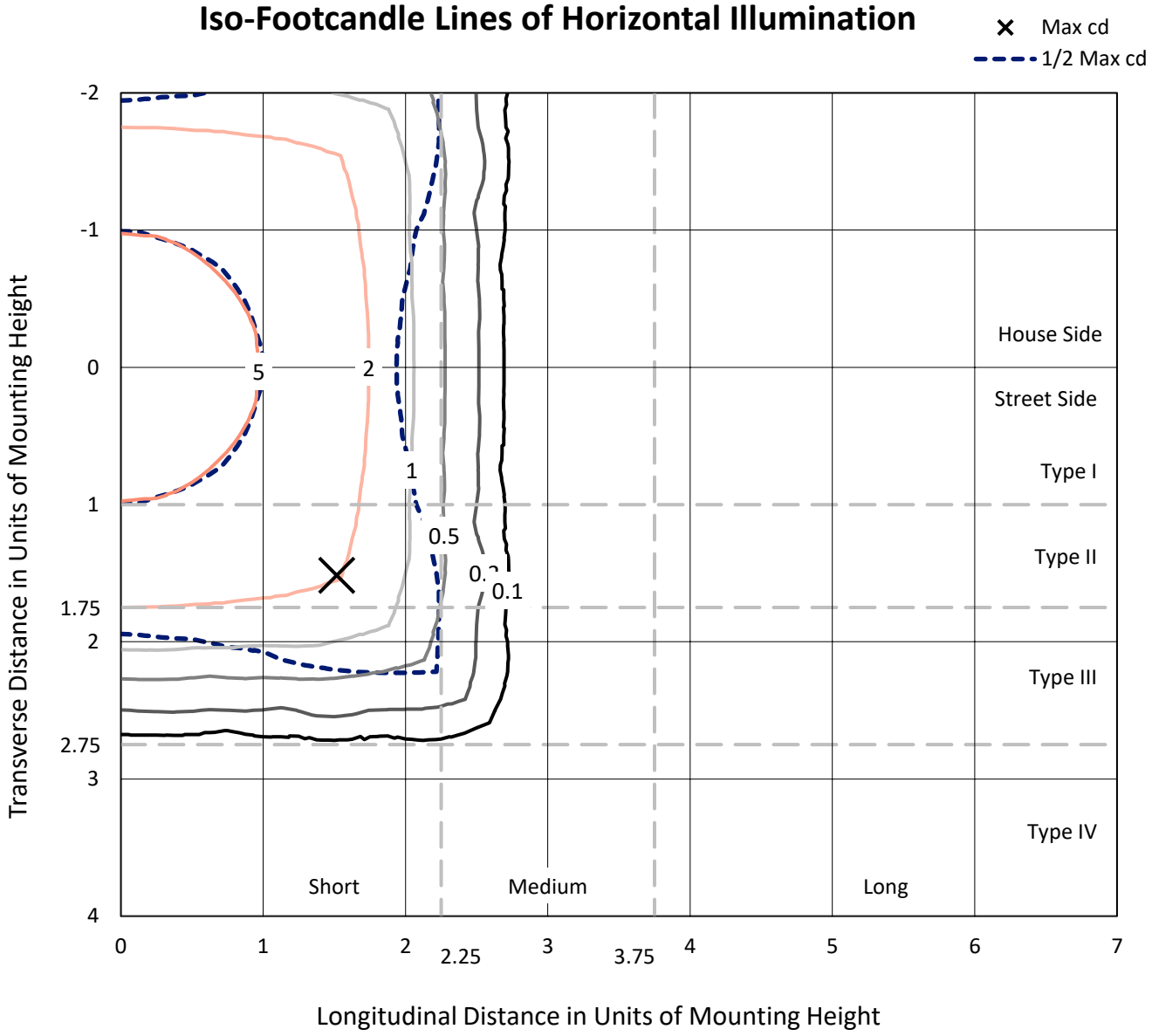
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
Type V - Short - N/A

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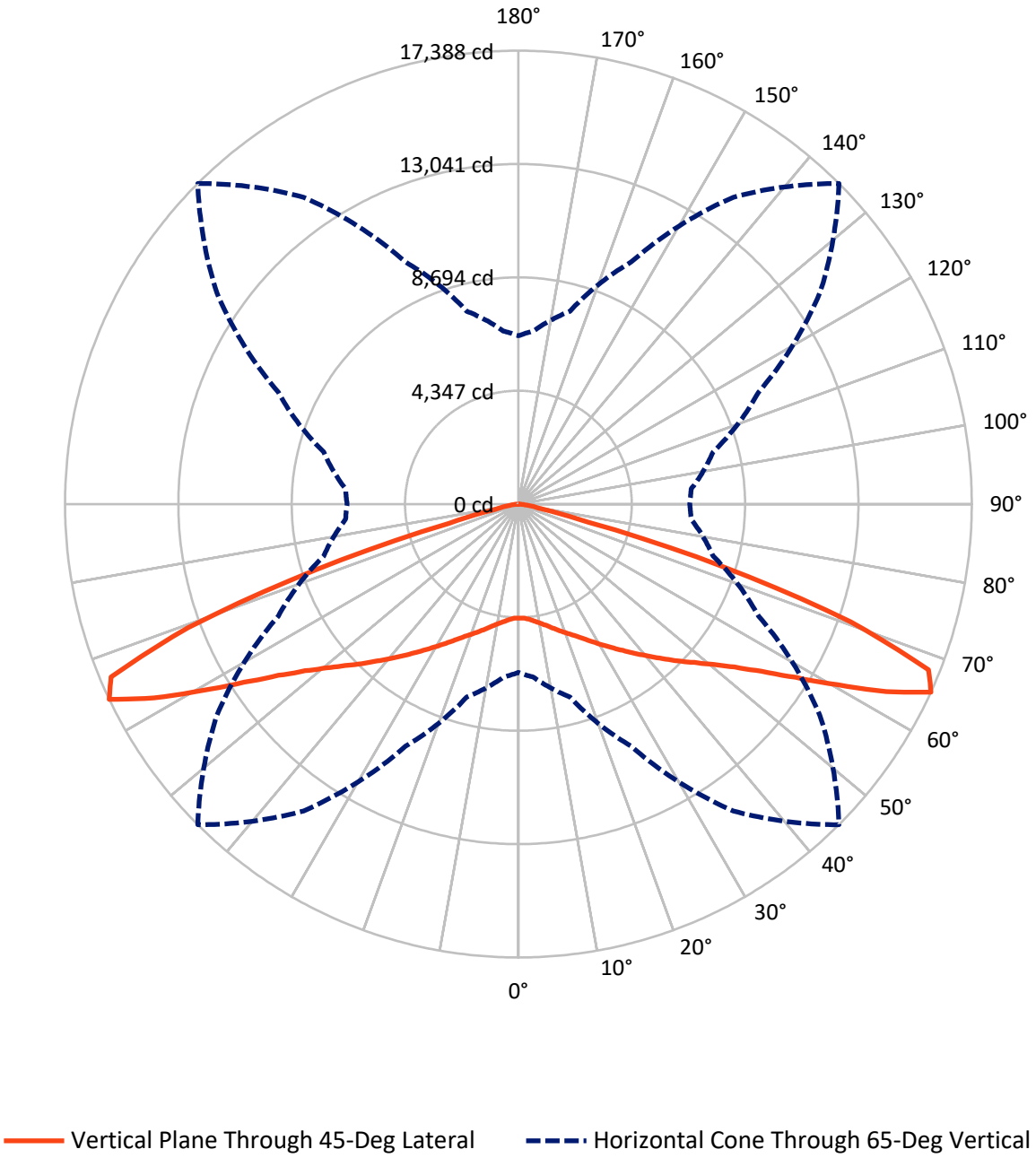
Luminous Intensity Polar Plot



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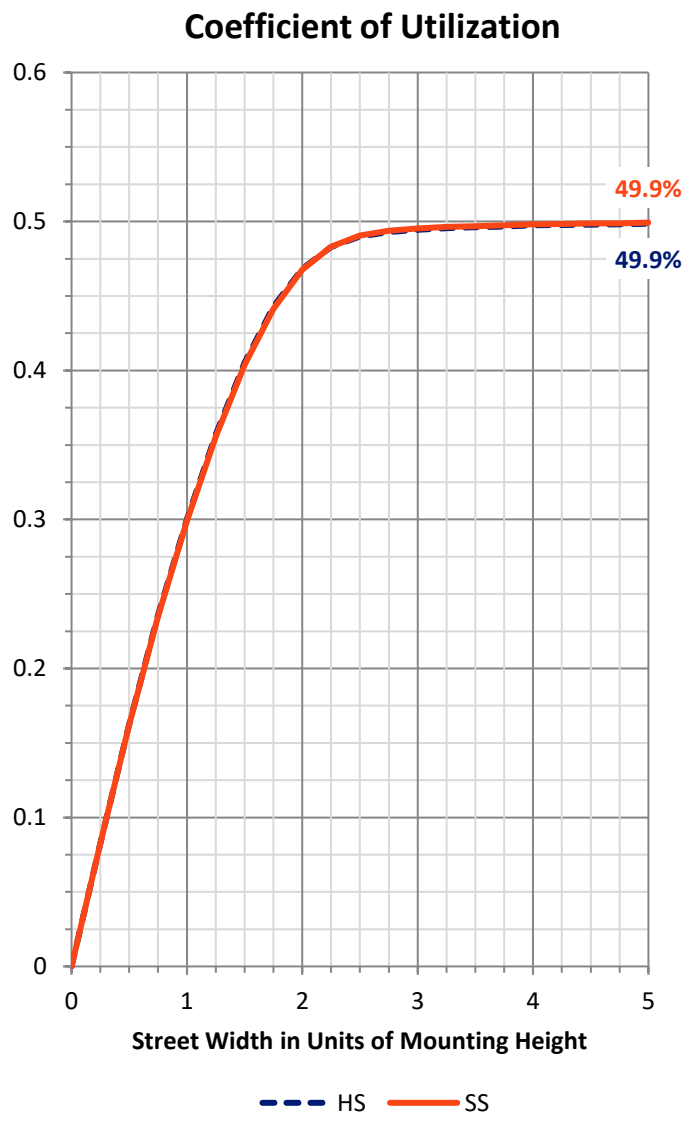
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18385.0	0.0	18385.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18385.0	0.0	18385.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	36770.0	0.0	36770.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	431.9	1.2
10°-20°	1409.2	3.8
20°-30°	2660.8	7.2
30°-40°	4356.9	11.8
40°-50°	6755.4	18.4
50°-60°	9979.2	27.1
60°-70°	9499.3	25.8
70°-80°	1532.8	4.2
80°-90°	144.5	0.4
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°	36770.0	100.0
0°-180°	36770.0	100.0



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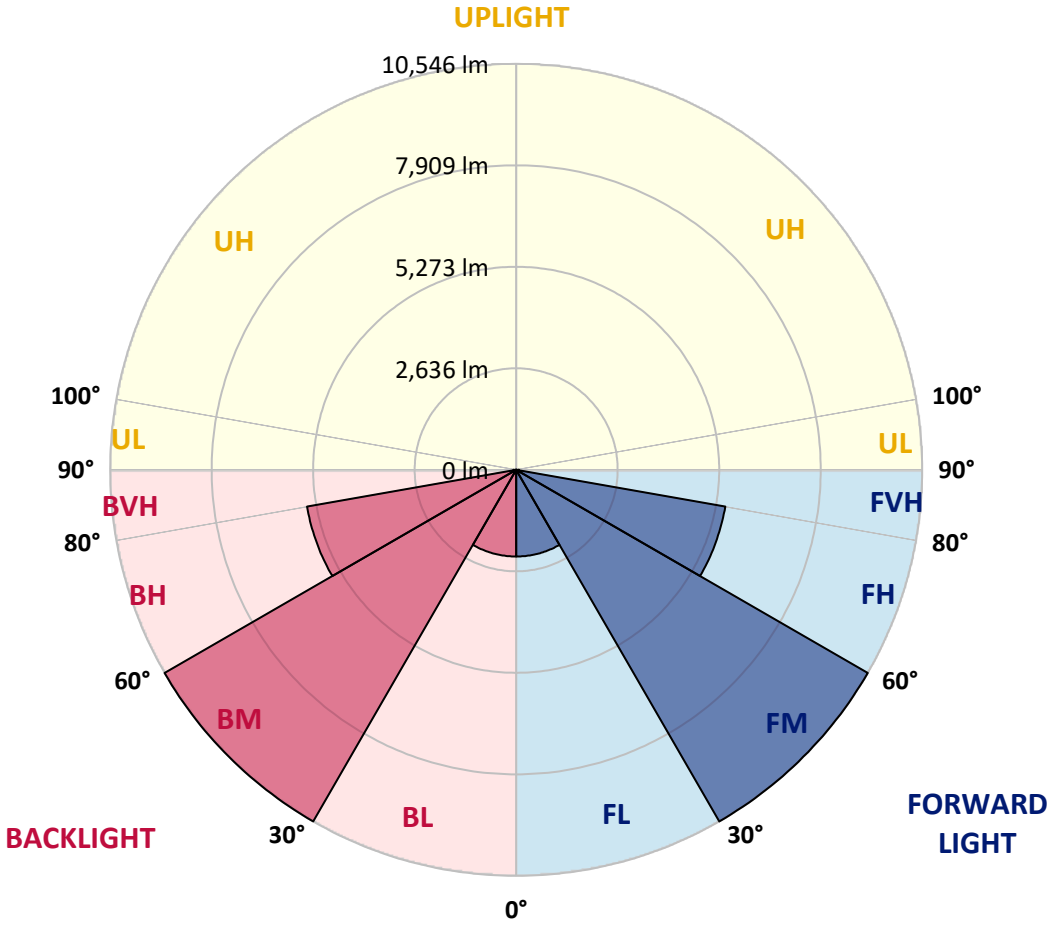
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2250.9	6.1			
FM	(30°-60°)	10545.8	28.7			
FH	(60°-80°)	5516.0	15.0			G3/7500
FVH	(80°-90°)	72.2	0.2			G1/100
BL	(0°-30°)	2250.9	6.1	B3/2500		
BM	(30°-60°)	10545.8	28.7	B5		
BH	(60°-80°)	5516.0	15.0	B5		G3/7500
BVH	(80°-90°)	72.2	0.2			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°	4376.0	4376.0	4376.0	4376.0	4376.0	*4376.0*	4376.0	4376.0	4376.0	4376.0
2.5°	4405.5	4390.8	4401.8	4392.6	4385.2	*4377.8*	4381.5	4394.4	4400.0	4401.8
5°	4464.6	4451.6	4457.2	4457.2	4444.3	*4440.6*	4442.4	4451.6	4462.7	4462.7
7.5°	4560.5	4547.6	4560.5	4553.1	4542.0	*4538.3*	4536.5	4543.9	4560.5	4560.5
10°	4676.7	4662.0	4669.3	4665.6	4652.7	*4647.2*	4645.3	4656.4	4671.2	4669.3
12.5°	4804.0	4787.4	4796.6	4785.6	4781.9	*4776.3*	4776.3	4774.5	4783.7	4776.3
15°	4946.1	4935.0	4938.7	4931.3	4936.8	*4933.1*	4918.4	4911.0	4914.7	4903.6
17.5°	5113.9	5088.1	5101.0	5097.3	5097.3	*5104.7*	5080.7	5071.5	5078.9	5067.8
20°	5307.6	5281.8	5287.4	5280.0	5270.8	*5278.1*	5248.6	5256.0	5261.5	5254.1
22.5°	5519.8	5486.6	5484.8	5488.4	5468.2	*5470.0*	5449.7	5468.2	5479.2	5458.9
25°	5737.5	5702.4	5726.4	5717.2	5691.4	*5696.9*	5682.2	5700.6	5709.8	5684.0
27.5°	5968.1	5944.1	5966.3	5971.8	5940.4	*5962.6*	5940.4	5957.0	5966.3	5927.5
30°	6237.5	6213.5	6233.8	6248.5	6211.6	*6246.7*	6228.2	6239.3	6241.1	6195.0
32.5°	6530.8	6493.9	6545.5	6552.9	6512.3	*6554.8*	6530.8	6545.5	6554.8	6492.0
35°	6888.7	6842.6	6901.6	6892.4	6857.3	*6892.4*	6870.2	6892.4	6914.5	6838.9
37.5°	7274.3	7226.3	7289.0	7272.4	7239.2	*7263.2*	7250.3	7265.0	7300.1	7218.9
40°	7698.6	7639.5	7724.4	7694.9	7663.5	*7659.8*	7667.2	7676.4	7722.6	7632.2
42.5°	8152.4	8089.7	8217.0	8170.9	8126.6	*8097.1*	8121.1	8139.5	8183.8	8082.3
45°	8670.8	8598.9	8764.9	8709.6	8639.5	*8578.6*	8617.3	8645.0	8709.6	8587.8
47.5°	9242.7	9161.6	9338.7	9322.1	9207.7	*9074.8*	9163.4	9242.7	9290.7	9143.1
50°	9801.7	9739.0	9971.4	9991.7	9851.5	*9665.2*	9788.8	9908.7	9921.6	9727.9
52.5°	10325.7	10262.9	10600.5	10727.8	10602.4	*10381.0*	10512.0	10633.7	10536.0	10285.1
55°	10744.4	10692.8	11122.6	11451.0	11493.5	*11310.8*	11388.3	11384.6	11063.6	10678.0
57.5°	10845.9	10838.5	11380.9	12076.4	12519.2	*12541.3*	12388.2	11997.1	11305.3	10786.9
60°	10384.7	10430.8	11176.1	12403.0	13583.7	*14074.4*	13412.1	12296.0	11030.4	10310.9
62.5°	9004.7	9126.5	10024.9	12004.5	14443.4	*15838.1*	14233.1	11842.1	9901.3	8962.3
65°	*6453.3*	*6665.5*	*7658.0*	*10244.5*	*14365.9*	*17387.8*	*14115.0*	*10161.5*	*7731.8*	*6648.9*
67.5°	2927.8	3143.6	3986.7	7014.1	12487.8	*16967.1*	12458.3	7087.9	4186.0	3154.7
70°	1060.8	1097.7	1368.9	2807.9	7980.8	*13519.1*	8322.1	2828.2	1455.6	1169.6
72.5°	642.0	647.5	704.7	1005.4	2772.8	*8207.8*	2890.9	1038.7	719.5	638.3
75°	407.7	404.0	501.8	614.3	983.3	*2769.1*	1031.3	614.3	500.0	455.7
77.5°	293.3	302.6	359.7	459.4	619.9	*939.0*	608.8	439.1	359.7	295.2
80°	219.5	225.1	262.0	357.9	435.4	*584.8*	387.4	324.7	271.2	184.5
82.5°	158.7	158.7	171.6	260.1	265.7	*315.5*	210.3	228.8	179.0	131.0
85°	94.1	92.2	107.0	155.0	138.4	*116.2*	95.9	140.2	112.5	81.2
87.5°	33.2	35.1	33.2	44.3	36.9	*31.4*	29.5	38.7	31.4	27.7
90°	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0	0.0	0.0

(END C

90°
4376.0
4401.8
4462.7
4554.9
4665.6
4780.0
4905.5
5077.0
5270.8
5479.2
5713.5
5957.0
6222.7
6534.5
6885.0
7268.7
7661.7
8135.8
8650.5
9192.9
9751.9
10292.5
10690.9
10753.7
10226.0
8907.0
6569.5
3108.6
1154.9
649.4
459.4
300.7
190.0
131.0
79.3
25.8
0.0

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