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: P954805

Luminaire Tested: **GALN-SB7D-950-U-5MQ**

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:	P954805
	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-SB7D-950-U-5MQ
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(7) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	52723 lumens
Efficiency:	N/A
Efficacy:	102.8 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B5 - U0 - G5
Input Watts (W):	512.8
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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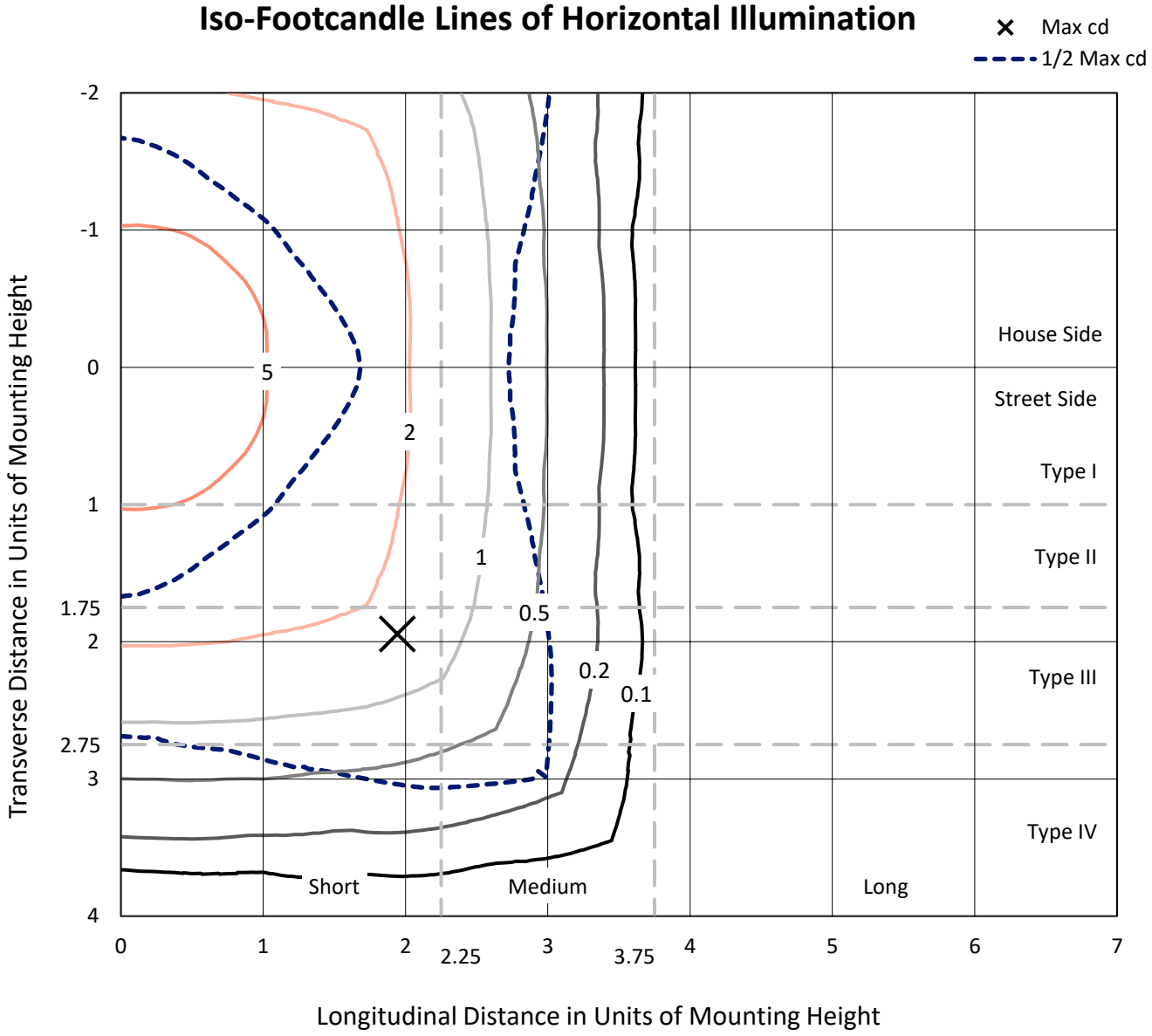
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc
Type V - Short - N/A

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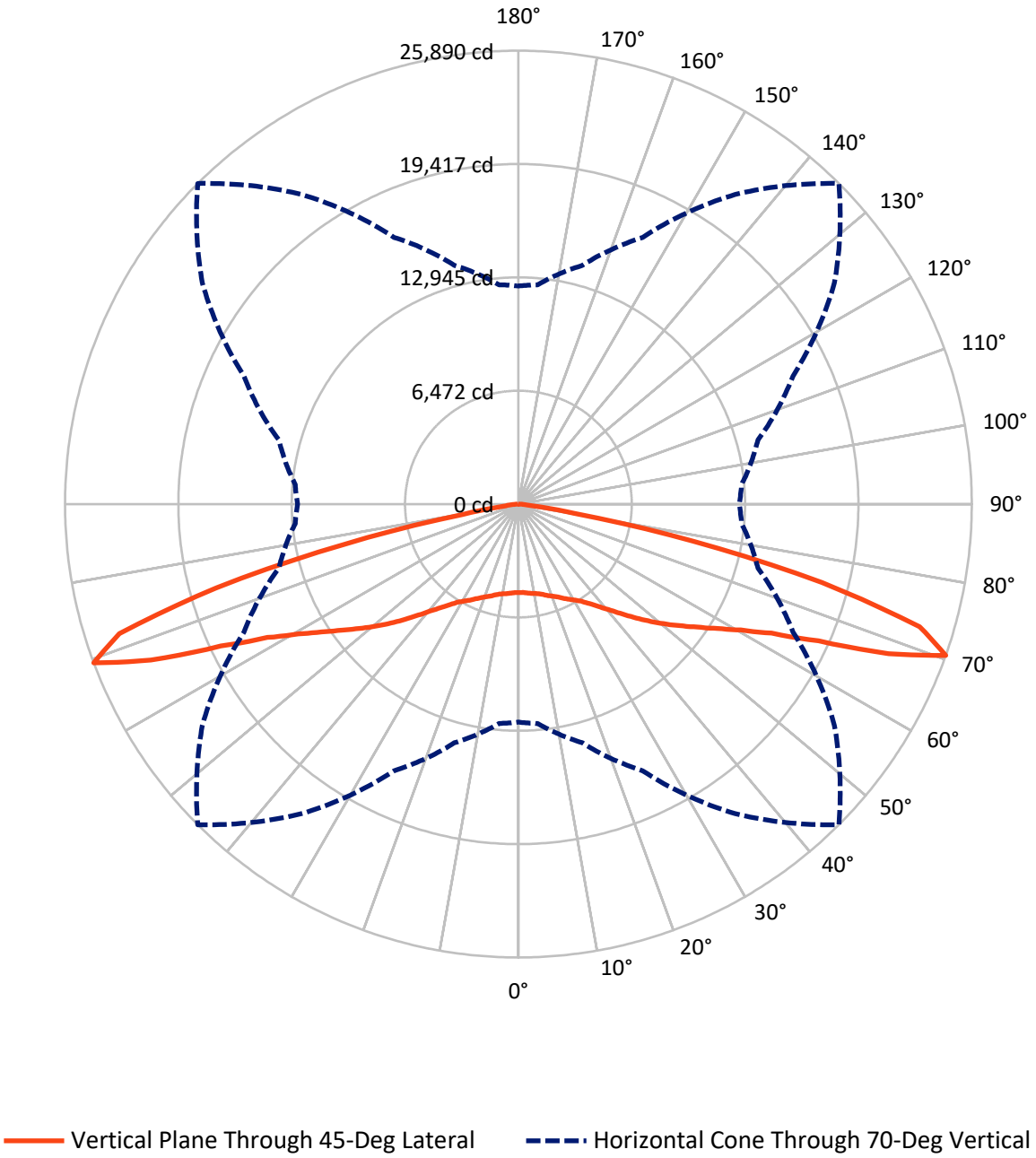
Luminous Intensity Polar Plot



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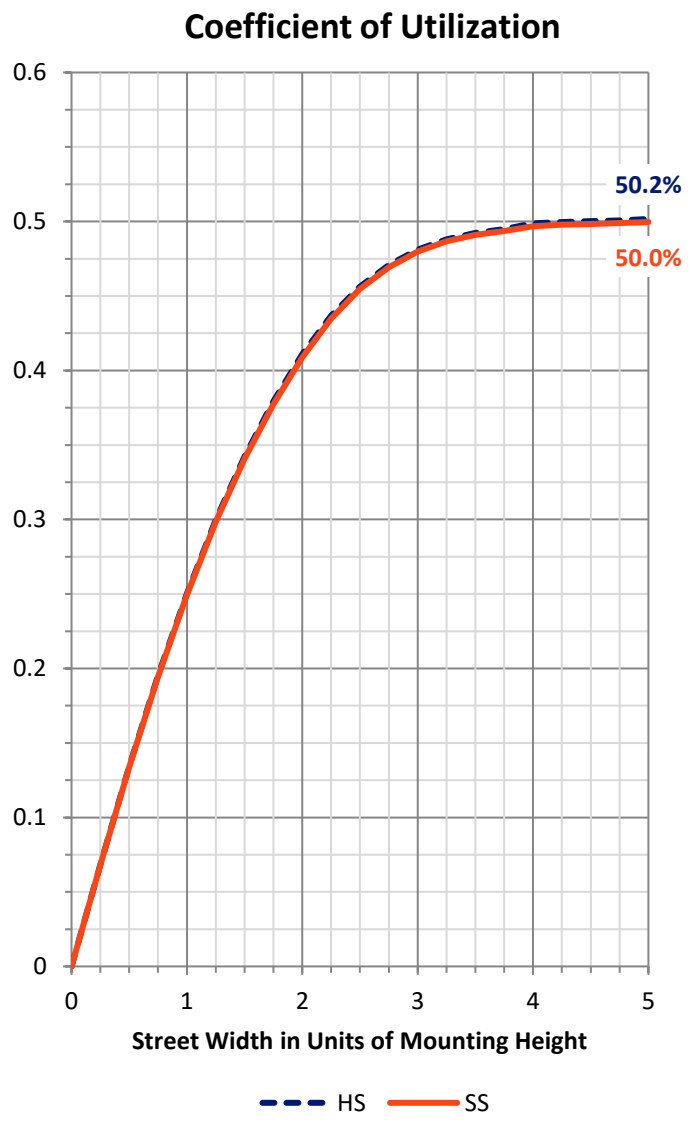
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26361.5	0.0	26361.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26361.5	0.0	26361.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	52723.0	0.0	52723.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	490.6	0.9
10°-20°	1521.4	2.9
20°-30°	2718.9	5.2
30°-40°	4407.4	8.4
40°-50°	7178.9	13.6
50°-60°	10945.4	20.8
60°-70°	16283.2	30.9
70°-80°	8874.9	16.8
80°-90°	302.2	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°	52723.0	100.0
0°-180°	52723.0	100.0



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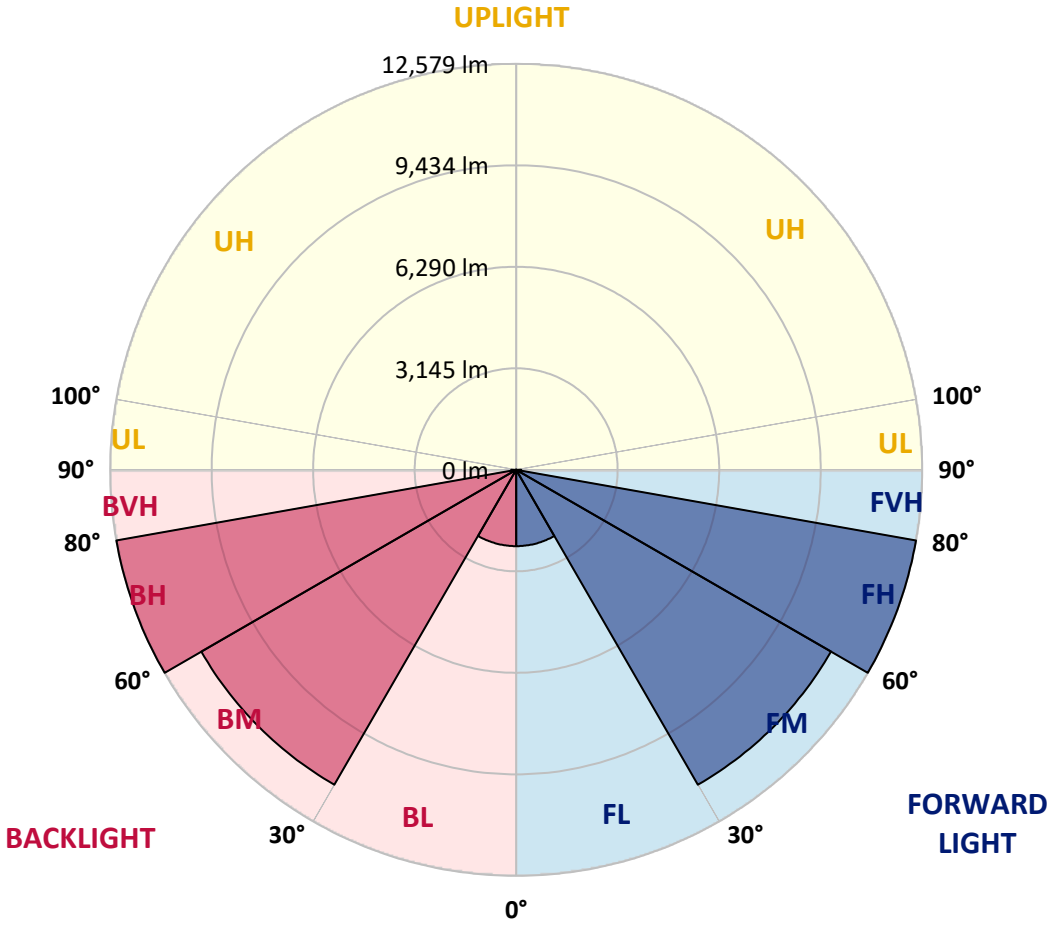
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2365.5	4.5			
FM	(30°-60°)	11265.8	21.4			
FH	(60°-80°)	12579.1	23.9			G5
FVH	(80°-90°)	151.1	0.3			G2/225
BL	(0°-30°)	2365.5	4.5	B3/2500		
BM	(30°-60°)	11265.8	21.4	B5		
BH	(60°-80°)	12579.1	23.9	B5		G5
BVH	(80°-90°)	151.1	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5050.3	5050.3	5050.3	5050.3	5050.3	*5050.3*	5050.3	5050.3	5050.3	5050.3
2.5°	5074.1	5079.4	5068.8	5063.6	5058.3	*5050.3*	5053.0	5066.2	5076.8	5074.1
5°	5116.5	5121.8	5113.8	5111.2	5100.6	*5098.0*	5098.0	5111.2	5119.1	5113.8
7.5°	5164.1	5172.1	5158.8	5156.2	5150.9	*5145.6*	5143.0	5156.2	5164.1	5164.1
10°	5209.1	5217.1	5206.5	5198.5	5193.3	*5193.3*	5188.0	5198.5	5211.8	5209.1
12.5°	5256.8	5262.1	5251.5	5246.2	5246.2	*5254.1*	5246.2	5251.5	5262.1	5256.8
15°	5315.0	5317.7	5315.0	5323.0	5336.2	*5362.7*	5338.8	5333.5	5338.8	5325.6
17.5°	5394.4	5399.7	5410.3	5428.8	5447.4	*5495.0*	5452.6	5439.4	5439.4	5412.9
20°	5492.4	5500.3	5516.2	5547.9	5571.8	*5616.8*	5574.4	5555.9	5547.9	5513.5
22.5°	5595.6	5608.8	5632.6	5675.0	5717.3	*5759.7*	5717.3	5685.6	5661.8	5616.8
25°	5714.7	5730.6	5767.6	5836.5	5894.7	*5955.6*	5905.3	5841.7	5794.1	5730.6
27.5°	5884.1	5902.6	5947.6	6032.3	6106.4	*6159.4*	6111.7	6029.7	5963.5	5886.7
30°	6122.3	6140.8	6193.8	6283.8	6334.1	*6368.5*	6336.7	6273.2	6193.8	6106.4
32.5°	6429.4	6453.2	6511.4	6596.1	6606.7	*6612.0*	6601.4	6569.6	6511.4	6405.5
35°	6818.5	6844.9	6911.1	6979.9	6969.3	*6979.9*	6964.0	6953.5	6911.1	6789.3
37.5°	7294.9	7326.7	7395.5	7448.4	7422.0	*7408.7*	7411.4	7414.0	7390.2	7255.2
40°	7848.1	7890.5	7940.8	7996.3	7951.3	*7911.6*	7938.1	7959.3	7938.1	7800.5
42.5°	8417.2	8478.1	8531.0	8610.4	8573.4	*8523.1*	8560.1	8584.0	8539.0	8390.7
45°	9049.8	9108.0	9176.9	9296.0	9269.5	*9216.6*	9269.5	9274.8	9198.0	9023.3
47.5°	9703.6	9764.5	9867.7	10026.5	10015.9	*9957.7*	10026.5	9989.5	9891.5	9682.4
50°	10323.0	10407.7	10566.5	10788.8	10810.0	*10738.5*	10831.2	10759.7	10595.6	10333.6
52.5°	10905.3	10995.3	11246.8	11548.5	11625.3	*11532.6*	11657.0	11532.6	11286.5	10950.3
55°	11516.7	11617.3	11916.4	12310.8	12464.3	*12395.5*	12512.0	12324.0	11974.7	11567.0
57.5°	12236.7	12297.6	12654.9	13123.4	13382.8	*13398.7*	13451.6	13134.0	12710.5	12247.3
60°	13017.5	13102.2	13491.3	14052.5	14462.8	*14595.1*	14539.5	14068.4	13576.0	13044.0
62.5°	14018.1	14110.7	14576.6	15248.9	15897.4	*16225.6*	16008.6	15325.6	14716.9	14079.0
65°	14846.6	14949.8	15791.5	16990.6	18171.1	*18830.2*	18284.9	17027.6	15931.8	15031.8
67.5°	14245.7	14372.8	15693.6	17895.8	20831.2	*22797.9*	20931.8	18165.8	16019.1	14798.9
70°	*12451.1*	*12570.2*	*14110.7*	*16802.6*	*21580.3*	*25889.5*	*22030.3*	*17297.6*	*14161.0*	*12795.2*
72.5°	8266.3	8650.1	10209.2	13438.4	19269.6	*23957.2*	19460.1	13165.8	9470.7	8247.8
75°	2742.2	3049.2	4113.3	6966.7	12906.4	*17917.0*	12287.0	6164.7	3258.4	2345.2
77.5°	690.8	796.7	1098.5	1993.1	5148.3	*10201.2*	4634.8	1627.9	886.7	619.4
80°	336.2	370.6	529.4	664.4	1289.0	*3242.5*	1209.6	624.7	418.2	322.9
82.5°	185.3	187.9	299.1	375.9	479.1	*839.1*	497.6	365.3	240.9	195.9
85°	113.8	111.2	158.8	201.2	201.2	*299.1*	238.2	201.2	137.6	121.8
87.5°	45.0	45.0	58.2	63.5	55.6	*76.8*	60.9	66.2	52.9	50.3
90°	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0	0.0	0.0

(END C

90°
5050.3
5076.8
5116.5
5164.1
5209.1
5254.1
5325.6
5412.9
5513.5
5614.1
5727.9
5884.1
6106.4
6408.2
6789.3
7255.2
7800.5
8401.3
9041.9
9669.2
10328.3
10918.5
11511.4
12183.8
12959.3
13967.8
14883.6
14616.3
12612.6
7980.5
2218.1
553.2
296.5
195.9
127.1
52.9
0.0

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