Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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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: P955519

Luminaire Tested: **GALN-SB8B-950-U-5MQ**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P955519
	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-SB8B-950-U-5MQ
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(8) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	33172 lumens
Efficiency:	N/A
Efficacy:	113.3 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B5 - U0 - G4

Input Watts (W):	292.8
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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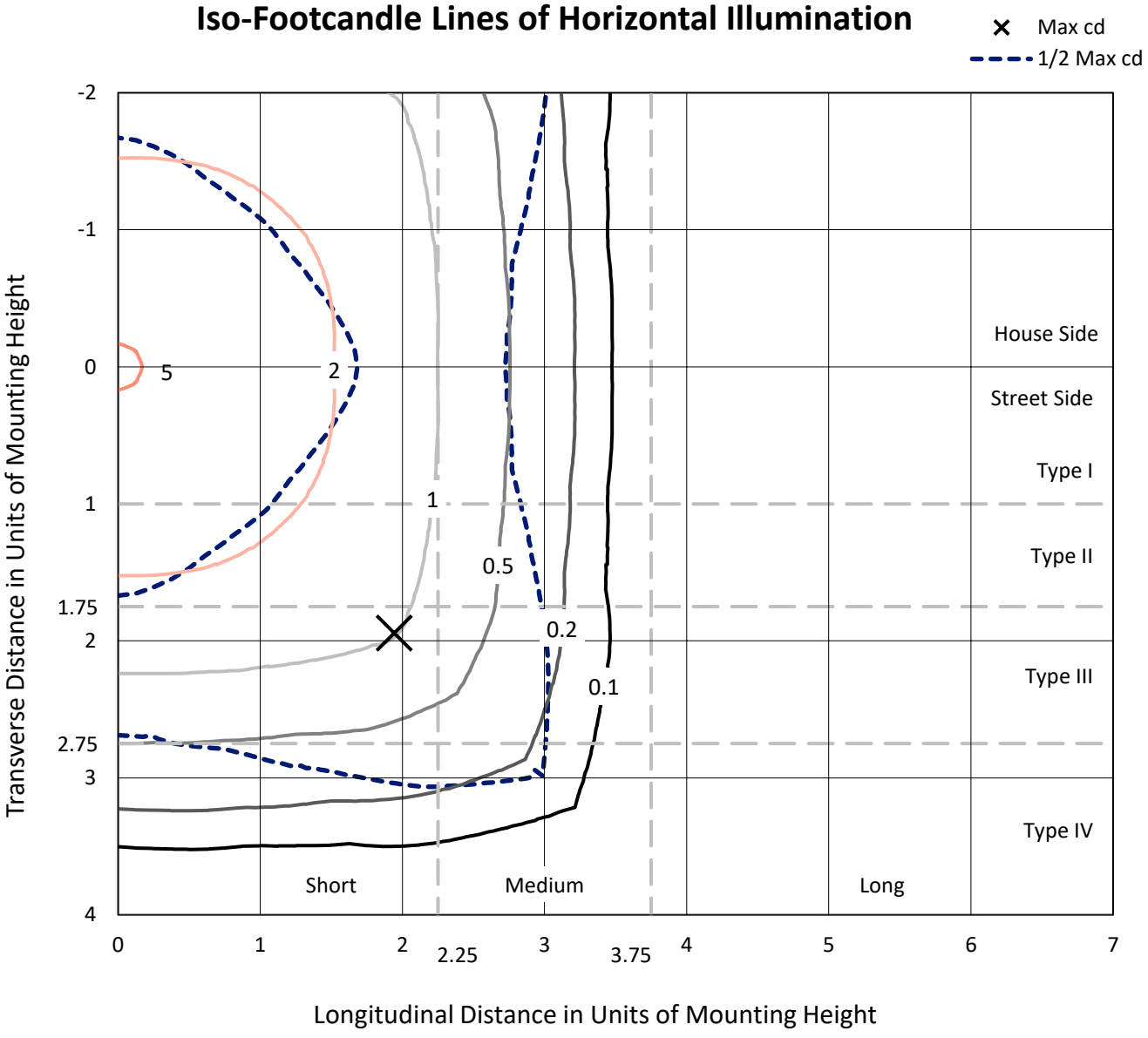
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
Type V - Short - N/A

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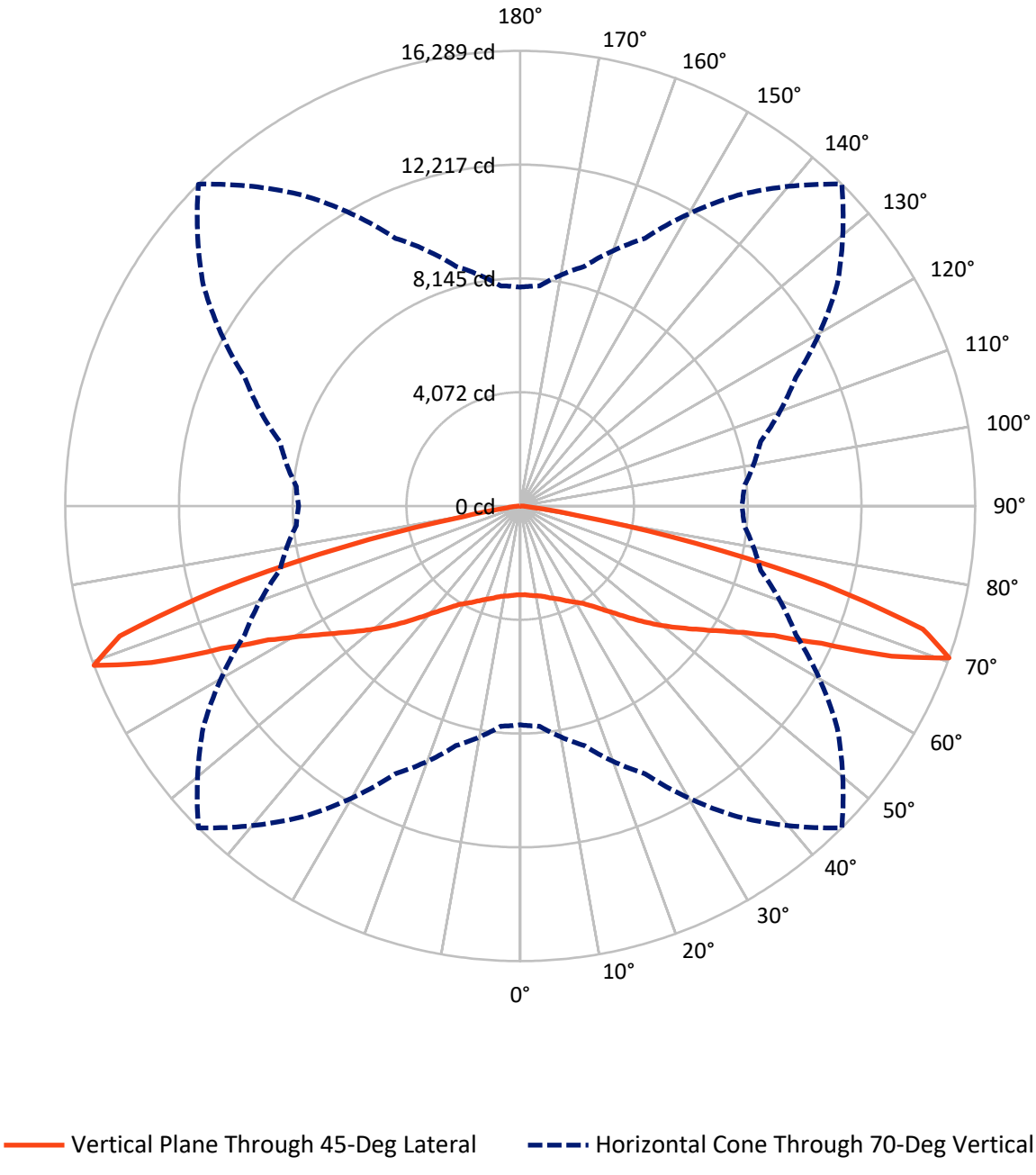
Luminous Intensity Polar Plot



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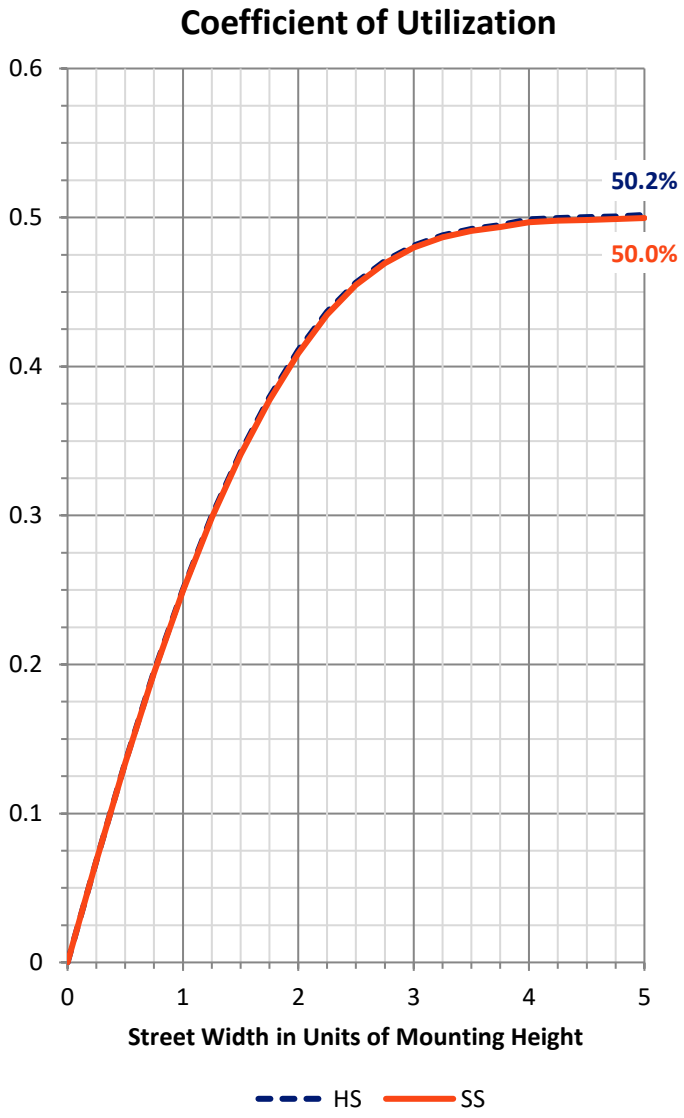
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16586.0	0.0	16586.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16586.0	0.0	16586.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	33172.0	0.0	33172.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.7	0.9
10°-20°	957.2	2.9
20°-30°	1710.7	5.2
30°-40°	2773.0	8.4
40°-50°	4516.8	13.6
50°-60°	6886.6	20.8
60°-70°	10245.0	30.9
70°-80°	5583.9	16.8
80°-90°	190.1	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°	33172.0	100.0
0°-180°	33172.0	100.0



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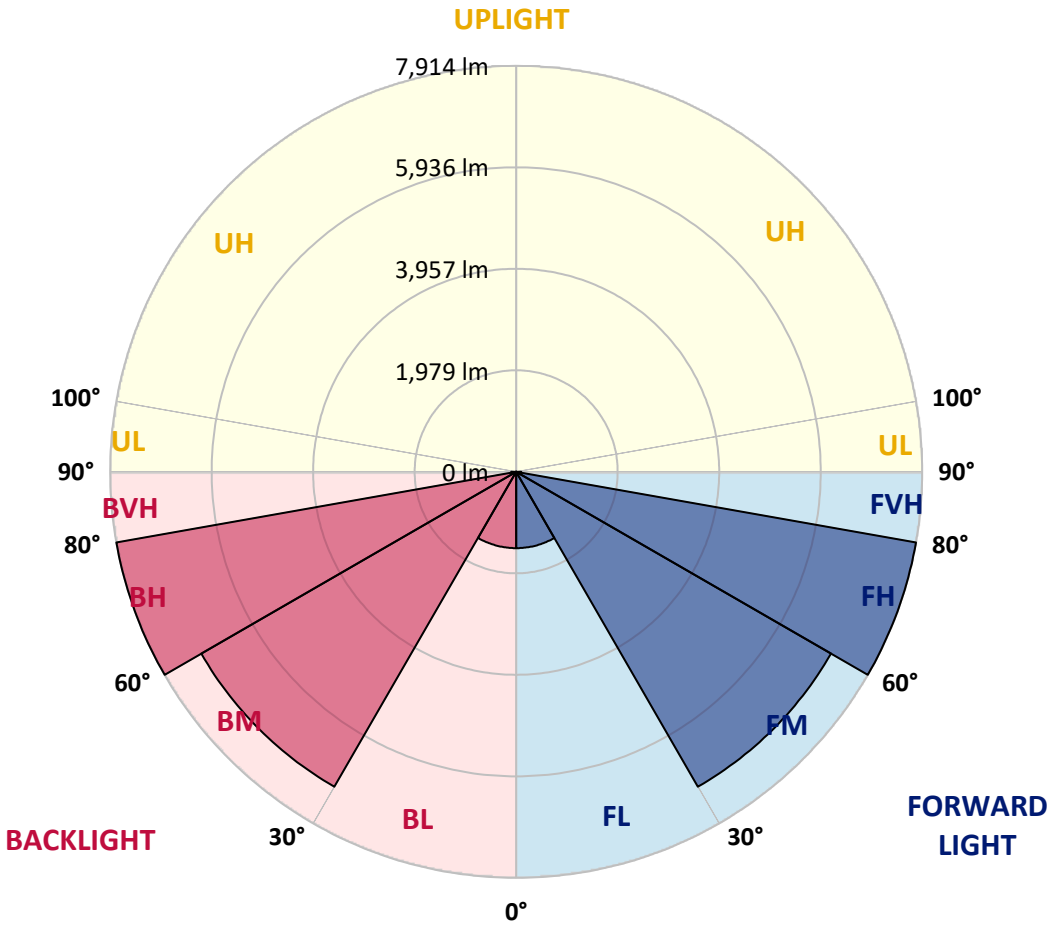
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1488.3	4.5			
FM	(30°-60°)	7088.2	21.4			
FH	(60°-80°)	7914.4	23.9			G4/12000
FVH	(80°-90°)	95.1	0.3			G1/100
BL	(0°-30°)	1488.3	4.5	B3/2500		
BM	(30°-60°)	7088.2	21.4	B4/8500		
BH	(60°-80°)	7914.4	23.9	B5		G4/12000
BVH	(80°-90°)	95.1	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-G4
Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3177.5	3177.5	3177.5	3177.5	3177.5	3177.5	3177.5	3177.5	3177.5	3177.5
2.5°	3192.5	3195.9	3189.2	3185.9	3182.5	3177.5	3179.2	3187.5	3194.2	3192.5
5°	3219.2	3222.5	3217.5	3215.8	3209.2	3207.5	3207.5	3215.8	3220.8	3217.5
7.5°	3249.1	3254.1	3245.8	3244.1	3240.8	3237.5	3235.8	3244.1	3249.1	3249.1
10°	3277.5	3282.5	3275.8	3270.8	3267.5	3267.5	3264.1	3270.8	3279.1	3277.5
12.5°	3307.4	3310.8	3304.1	3300.8	3300.8	3305.8	3300.8	3304.1	3310.8	3307.4
15°	3344.1	3345.7	3344.1	3349.1	3357.4	3374.0	3359.1	3355.7	3359.1	3350.7
17.5°	3394.0	3397.4	3404.0	3415.7	3427.3	3457.3	3430.7	3422.3	3422.3	3405.7
20°	3455.7	3460.6	3470.6	3490.6	3505.6	3533.9	3507.3	3495.6	3490.6	3469.0
22.5°	3520.6	3528.9	3543.9	3570.6	3597.2	3623.9	3597.2	3577.2	3562.2	3533.9
25°	3595.5	3605.5	3628.9	3672.2	3708.8	3747.1	3715.5	3675.5	3645.5	3605.5
27.5°	3702.1	3713.8	3742.1	3795.4	3842.0	3875.3	3845.3	3793.7	3752.1	3703.8
30°	3852.0	3863.7	3897.0	3953.6	3985.2	4006.9	3986.9	3946.9	3897.0	3842.0
32.5°	4045.2	4060.2	4096.8	4150.1	4156.8	4160.1	4153.4	4133.5	4096.8	4030.2
35°	4290.0	4306.7	4348.3	4391.6	4384.9	4391.6	4381.6	4374.9	4348.3	4271.7
37.5°	4589.8	4609.8	4653.1	4686.4	4669.7	4661.4	4663.0	4664.7	4649.7	4564.8
40°	4937.8	4964.5	4996.1	5031.1	5002.8	4977.8	4994.5	5007.8	4994.5	4907.9
42.5°	5295.9	5334.2	5367.5	5417.5	5394.1	5362.5	5385.8	5400.8	5372.5	5279.2
45°	5693.9	5730.6	5773.9	5848.8	5832.1	5798.8	5832.1	5835.5	5787.2	5677.3
47.5°	6105.3	6143.6	6208.5	6308.4	6301.8	6265.1	6308.4	6285.1	6223.5	6091.9
50°	6495.0	6548.3	6648.2	6788.1	6801.4	6756.4	6814.7	6769.7	6666.5	6501.6
52.5°	6861.3	6918.0	7076.2	7266.0	7314.3	7256.0	7334.3	7256.0	7101.2	6889.7
55°	7246.0	7309.3	7497.5	7745.7	7842.2	7798.9	7872.2	7754.0	7534.2	7277.7
57.5°	7699.0	7737.3	7962.2	8256.9	8420.1	8430.1	8463.4	8263.6	7997.1	7705.7
60°	8190.3	8243.6	8488.4	8841.5	9099.6	9182.9	9147.9	8851.5	8541.7	8207.0
62.5°	8819.8	8878.1	9171.2	9594.2	10002.2	10208.7	10072.2	9642.5	9259.5	8858.1
65°	9341.1	9406.0	9935.6	10690.0	11432.8	11847.5	11504.4	10713.4	10023.9	9457.7
67.5°	8963.0	9043.0	9874.0	11259.6	13106.5	14343.9	13169.8	11429.5	10078.8	9311.1
70°	7833.9	7908.9	8878.1	10571.8	13577.8	16289.0	13860.9	10883.2	8909.8	8050.4
72.5°	5201.0	5442.4	6423.3	8455.1	12123.9	15073.3	12243.8	8283.6	5958.7	5189.3
75°	1725.3	1918.5	2588.0	4383.3	8120.4	11272.9	7730.7	3878.7	2050.1	1475.5
77.5°	434.7	501.3	691.1	1254.0	3239.2	6418.4	2916.1	1024.2	557.9	389.7
80°	211.5	233.2	333.1	418.0	811.0	2040.1	761.1	393.0	263.1	203.2
82.5°	116.6	118.2	188.2	236.5	301.4	527.9	313.1	229.8	151.5	123.2
85°	71.6	69.9	99.9	126.6	126.6	188.2	149.9	126.6	86.6	76.6
87.5°	28.3	28.3	36.6	40.0	35.0	48.3	38.3	41.6	33.3	31.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

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90°
3177.5
3194.2
3219.2
3249.1
3277.5
3305.8
3350.7
3405.7
3469.0
3532.3
3603.9
3702.1
3842.0
4031.9
4271.7
4564.8
4907.9
5285.9
5688.9
6083.6
6498.3
6869.7
7242.7
7665.7
8153.7
8788.2
9364.4
9196.2
7935.5
5021.1
1395.6
348.1
186.5
123.2
79.9
33.3
0.0

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