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: P943853

Luminaire Tested: **GALN-SB8C-740-U-T1**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P943853
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SB8C-740-U-T1
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(8) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	63381 lumens
Efficiency:	N/A
Efficacy:	158.5 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification:	Type I - Short
BUG Rating:	B5 - U0 - G5

Input Watts (W):	399.8
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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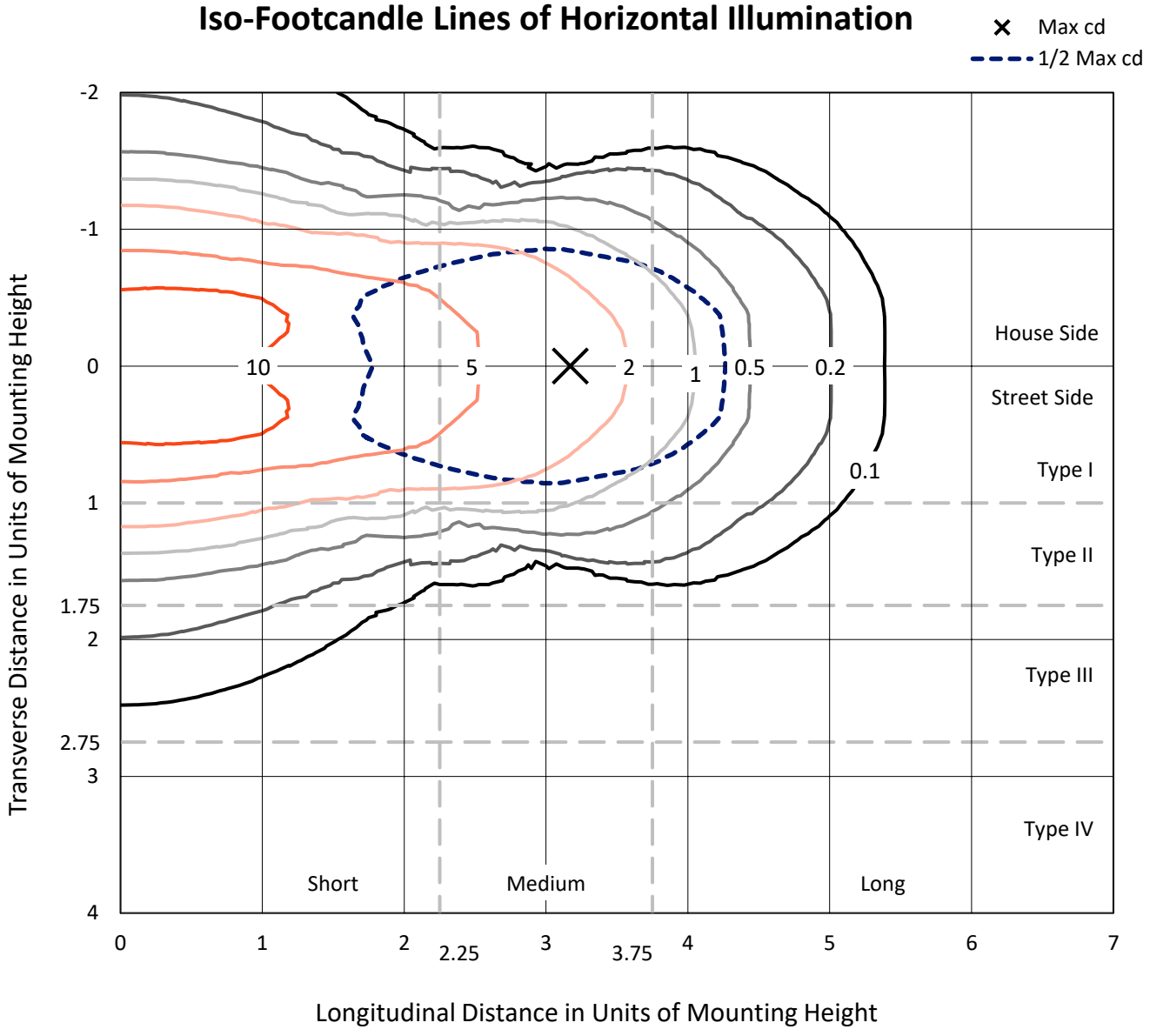
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 18.9 fc
Type I - Short - N/A

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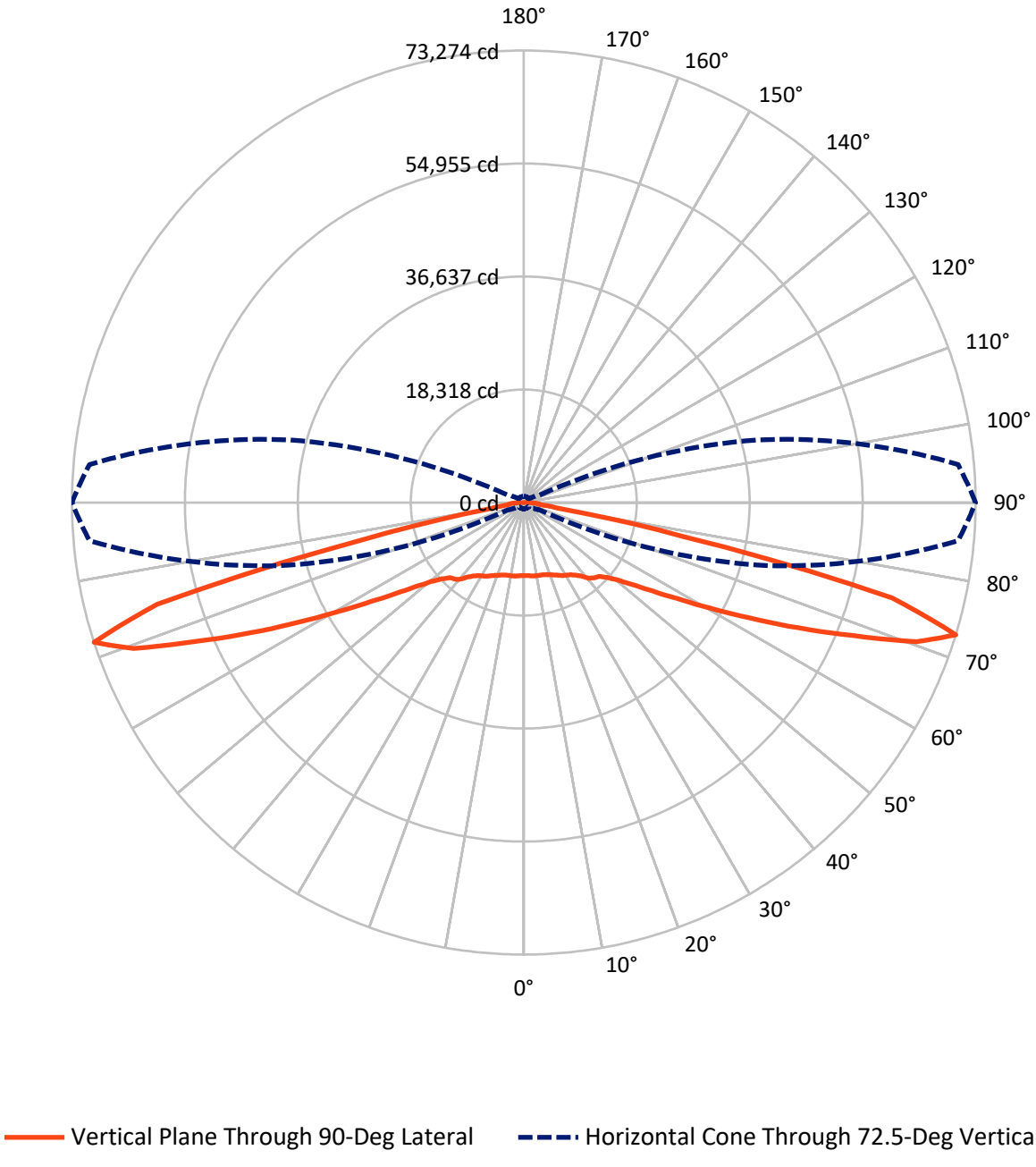
Luminous Intensity Polar Plot



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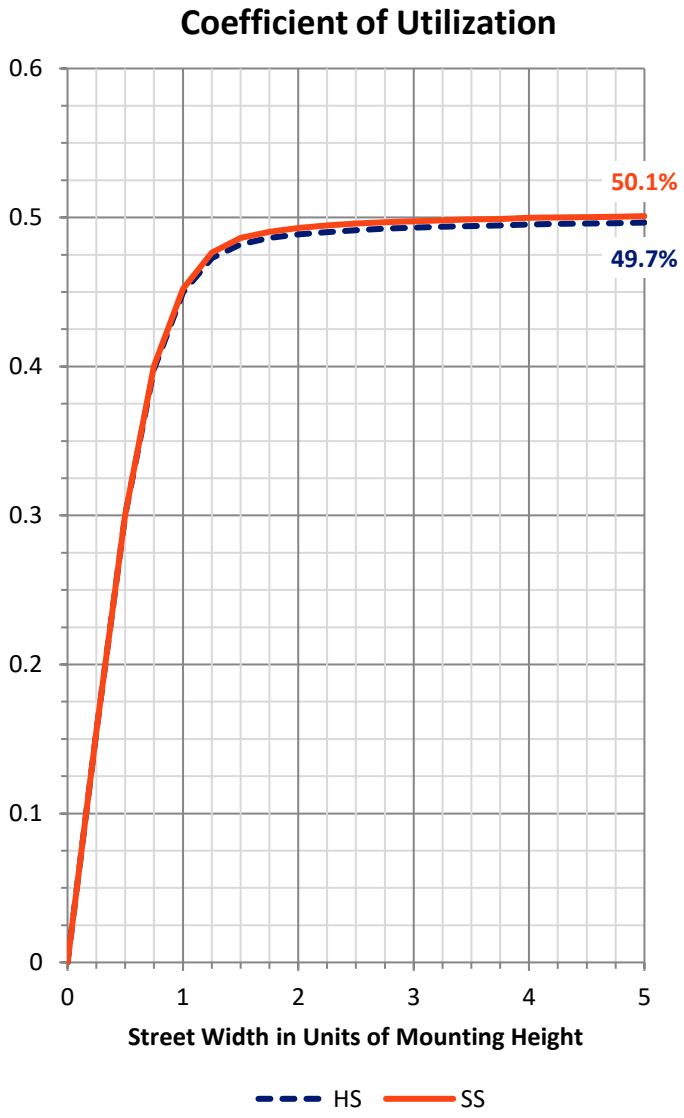
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	31690.5	0.0	31690.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	31690.5	0.0	31690.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	63381.0	0.0	63381.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1148.4	1.8
10°-20°	3511.2	5.5
20°-30°	5854.7	9.2
30°-40°	8052.0	12.7
40°-50°	9833.7	15.5
50°-60°	11373.7	17.9
60°-70°	13561.2	21.4
70°-80°	9464.9	14.9
80°-90°	581.3	0.9
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°	63381.0	100.0
0°-180°	63381.0	100.0



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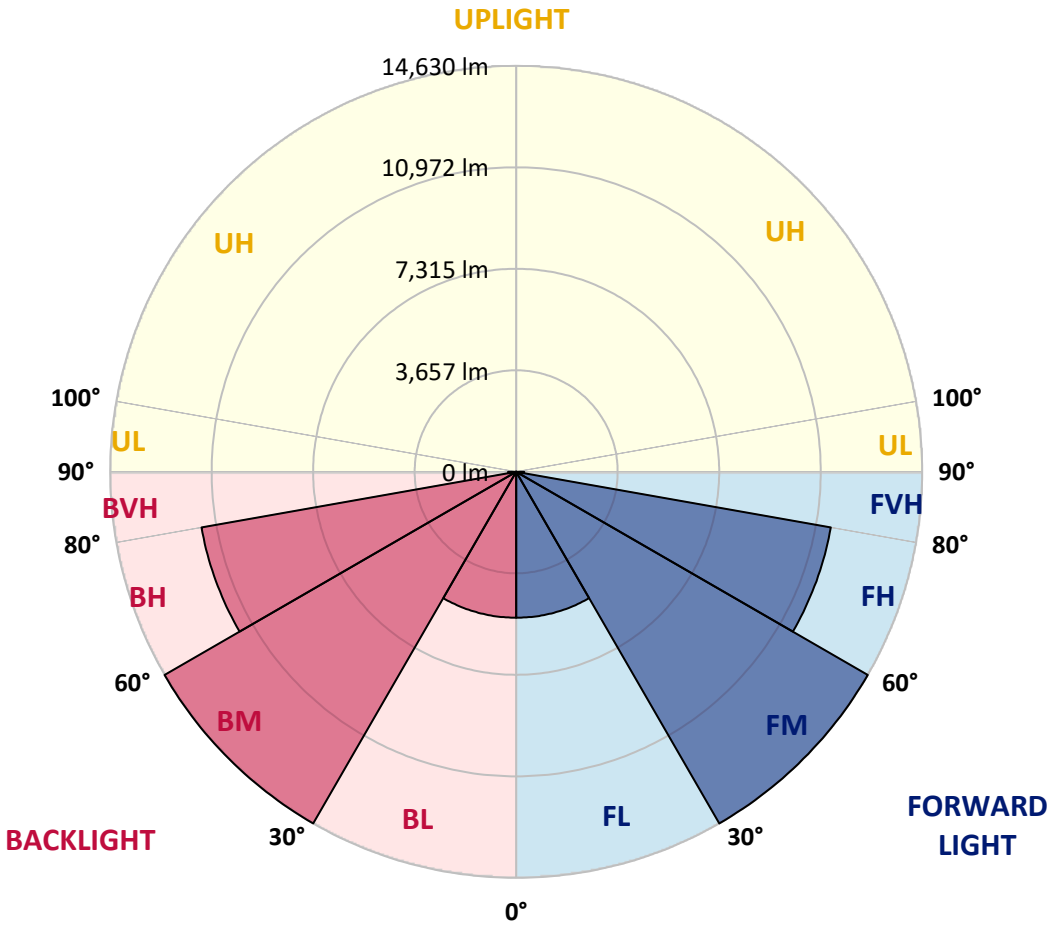
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	5257.1	8.3			
FM	(30°-60°)	14629.7	23.1			
FH	(60°-80°)	11513.0	18.2			G4/12000
FVH	(80°-90°)	290.7	0.5			G3/500
BL	(0°-30°)	5257.1	8.3	B5		
BM	(30°-60°)	14629.7	23.1	B5		
BH	(60°-80°)	11513.0	18.2	B5		G5
BVH	(80°-90°)	290.7	0.5			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11843.4	11843.4	11843.4	11843.4	11843.4	11843.4	11843.4	11843.4	11843.4	11843.4
2.5°	11853.5	11867.0	11867.0	11856.9	11880.5	11860.3	11860.3	11850.1	11860.3	11850.1
5°	11914.1	11931.0	11937.7	11934.4	11964.7	11947.8	11947.8	11934.4	11937.7	11927.6
7.5°	12028.7	12052.3	12065.7	12082.6	12126.4	12106.1	12092.7	12052.3	12035.4	12008.5
10°	12065.7	12092.7	12136.5	12224.0	12325.1	12328.5	12288.0	12187.0	12109.5	12048.9
12.5°	11951.2	11988.3	12079.2	12257.7	12483.4	12574.4	12510.4	12341.9	12190.4	12082.6
15°	11806.4	11846.8	11984.9	12254.4	12587.8	12800.0	12793.3	12571.0	12328.5	12160.0
17.5°	11580.7	11621.1	11819.8	12197.1	12668.7	13019.0	13113.3	12884.3	12544.0	12318.4
20°	11173.1	11210.1	11486.4	12015.2	12695.6	13251.4	13497.3	13295.2	12870.8	12564.3
22.5°	10644.2	10701.5	11024.9	11701.9	12631.6	13493.9	13935.2	13797.1	13251.4	12827.0
25°	10078.4	10139.0	10516.2	11317.9	12466.6	13669.1	14453.9	14366.4	13682.6	13153.7
27.5°	9589.9	9653.9	10064.9	10937.3	12210.6	13736.5	14965.9	15009.7	14204.7	13514.2
30°	9205.9	9266.6	9704.5	10630.8	11880.5	13669.1	15413.9	15717.1	14736.9	13827.4
32.5°	8784.9	8862.3	9323.8	10256.9	11489.7	13507.4	15804.7	16481.7	15353.3	14164.3
35°	8252.7	8323.4	8808.5	9744.9	10977.7	13248.0	16131.4	17330.6	16235.8	14676.3
37.5°	7605.9	7673.3	8155.0	9104.9	10469.1	12884.3	16380.7	18287.2	17286.8	15413.9
40°	6955.8	7019.8	7471.2	8390.8	9859.4	12419.4	16468.3	19223.6	18492.7	16427.8
42.5°	6359.6	6416.9	6831.2	7686.8	9175.6	11826.6	16353.7	20038.8	19574.0	17135.2
45°	5810.5	5861.1	6228.2	7026.6	8464.9	11105.7	16010.2	20914.6	20860.7	17640.5
47.5°	5184.0	5234.5	5615.2	6386.5	7754.1	10260.2	15427.4	21776.9	22649.3	18785.7
50°	4419.4	4463.2	4853.9	5648.9	7016.4	9360.9	14619.0	22454.0	24906.2	20520.5
52.5°	3513.3	3560.4	3941.1	4736.0	6140.7	8394.1	13554.6	22895.2	27513.4	23053.6
55°	2613.9	2647.6	2977.7	3691.8	5056.0	7292.7	12220.7	23019.9	30470.8	26516.3
57.5°	1896.4	1916.6	2128.8	2661.1	3833.3	5915.0	10600.5	22696.5	33990.9	30955.9
60°	1536.0	1542.7	1606.7	1842.5	2664.4	4358.8	8643.4	21584.9	37810.7	36678.9
62.5°	1394.5	1394.5	1411.4	1475.4	1802.1	2876.6	6275.4	19280.9	41906.7	43910.9
65°	1296.8	1296.8	1303.6	1333.9	1421.5	1832.4	3961.3	15528.5	45359.3	52382.5
67.5°	1209.3	1212.6	1209.3	1219.4	1269.9	1354.1	2297.3	10725.1	47218.7	61160.6
70°	1118.3	1125.1	1108.2	1108.2	1148.6	1152.0	1438.3	5881.3	45675.9	68517.3
72.5°	*1010.5*	*1020.6*	*993.7*	*987.0*	*1017.3*	*1003.8*	*1081.3*	*2822.7*	*39215.3*	*70713.5*
75°	916.2	929.7	869.1	852.2	852.2	842.1	879.2	1448.4	25451.9	57684.4
77.5°	832.0	859.0	761.3	707.4	693.9	663.6	717.5	885.9	11132.7	27082.2
80°	687.2	724.2	626.5	562.5	538.9	505.3	565.9	619.8	3311.2	6288.9
82.5°	512.0	528.8	444.6	400.8	380.6	357.1	424.4	431.2	1077.9	2226.5
85°	326.7	333.5	272.8	235.8	225.7	215.6	269.5	235.8	410.9	1637.1
87.5°	114.5	131.4	104.4	94.3	101.1	84.2	124.6	70.7	114.5	1155.4
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°
11843.4
11850.1
11927.6
12008.5
12038.8
12065.7
12133.1
12281.3
12507.0
12749.5
13045.9
13399.6
13662.4
13955.4
14443.8
15104.1
16097.7
16710.8
17067.8
18125.5
19691.9
22032.9
25239.7
29349.2
34654.4
41199.3
48953.4
57458.7
67543.8
73273.5
61699.6
26519.7
6022.8
2516.2
2378.1
1431.6
0.0

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