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: P942663

Luminaire Tested: **GALN-SB6D-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:	P942663
	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-SB6D-740-U-T1
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(6) 70 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	64585 lumens
Efficiency:	N/A
Efficacy:	146.8 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type I - Short
BUG Rating:	B5 - U0 - G5

Input Watts (W):	440.1
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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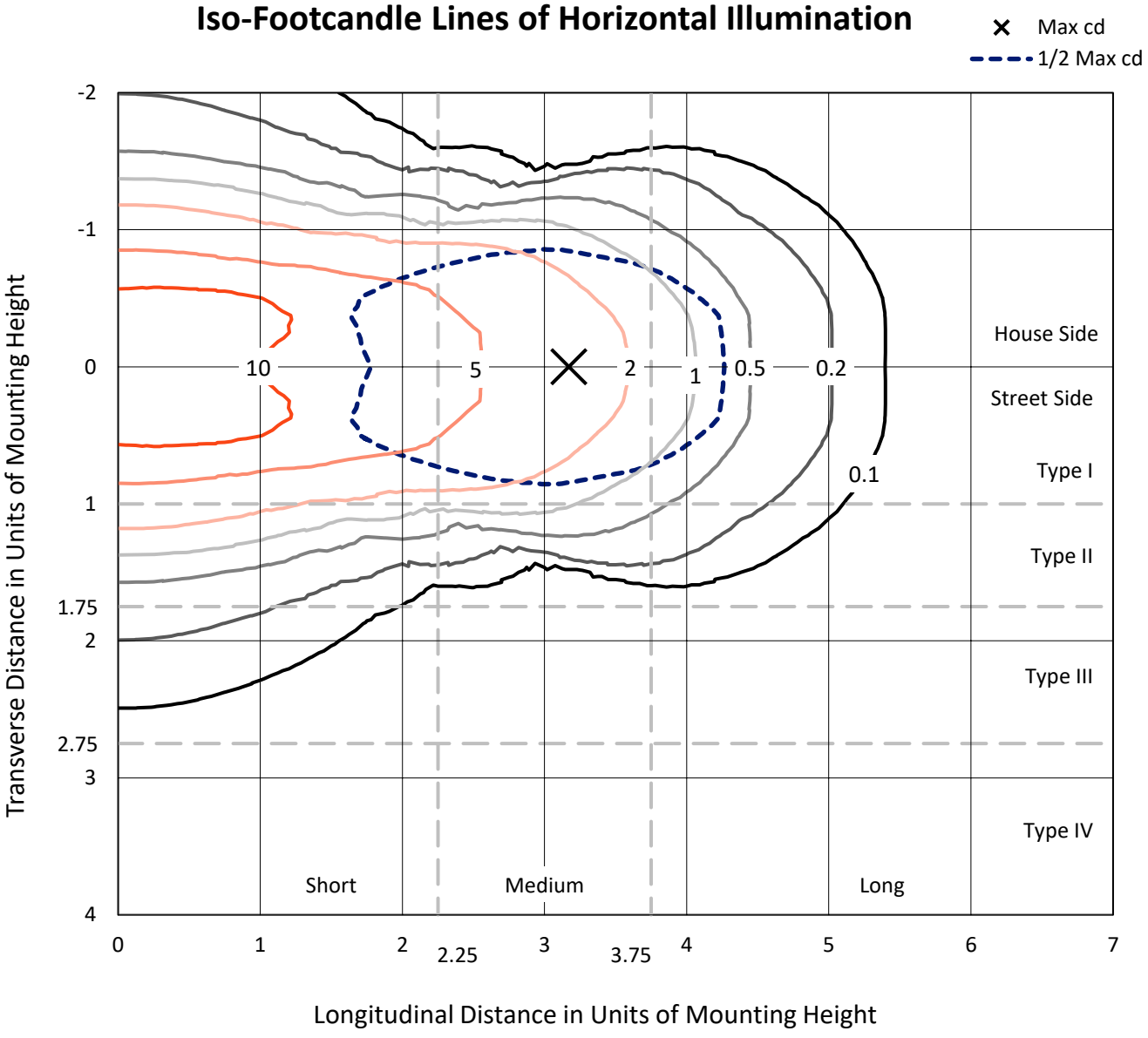
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 19.3 fc
Type I - Short - N/A

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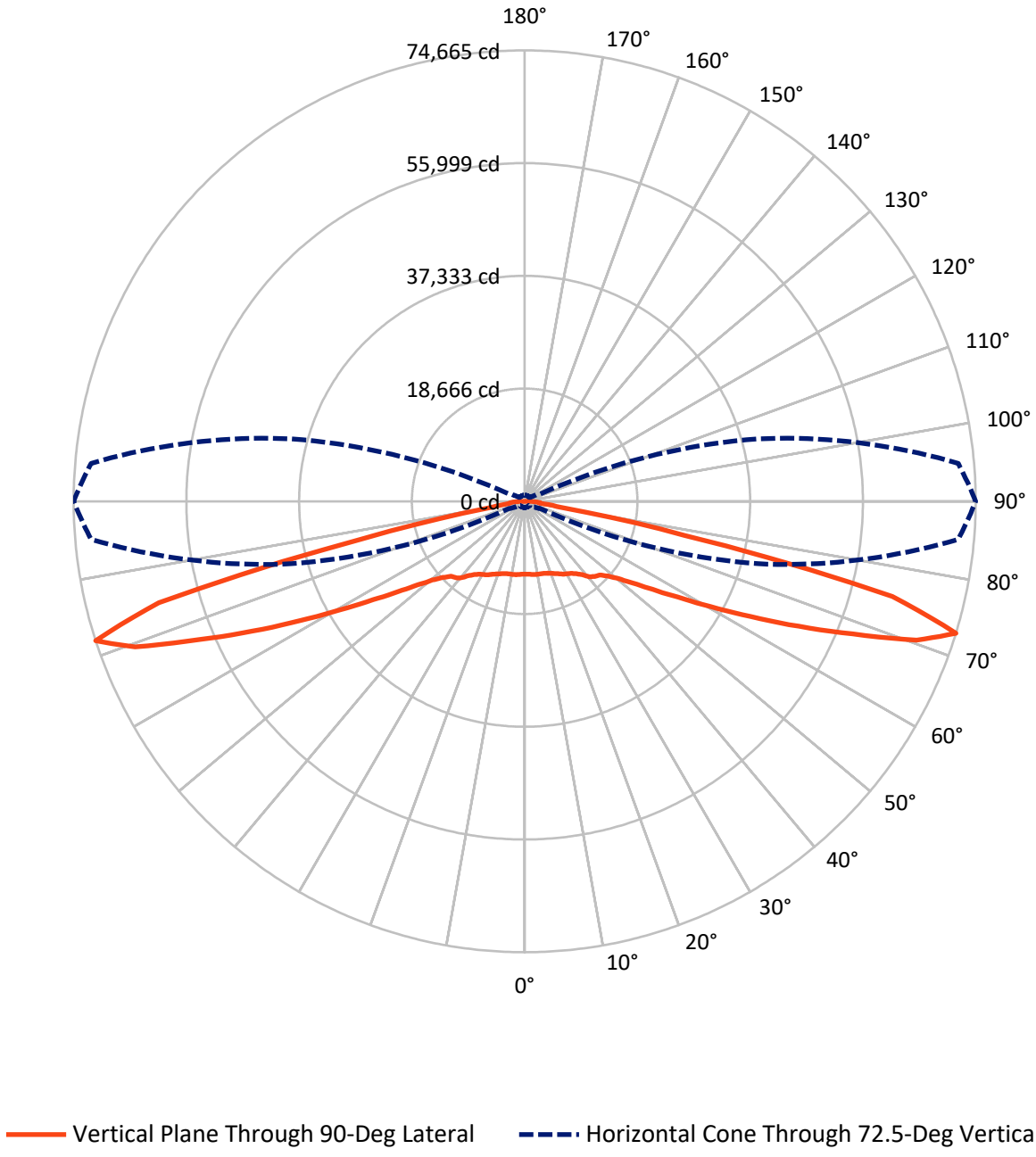
Luminous Intensity Polar Plot



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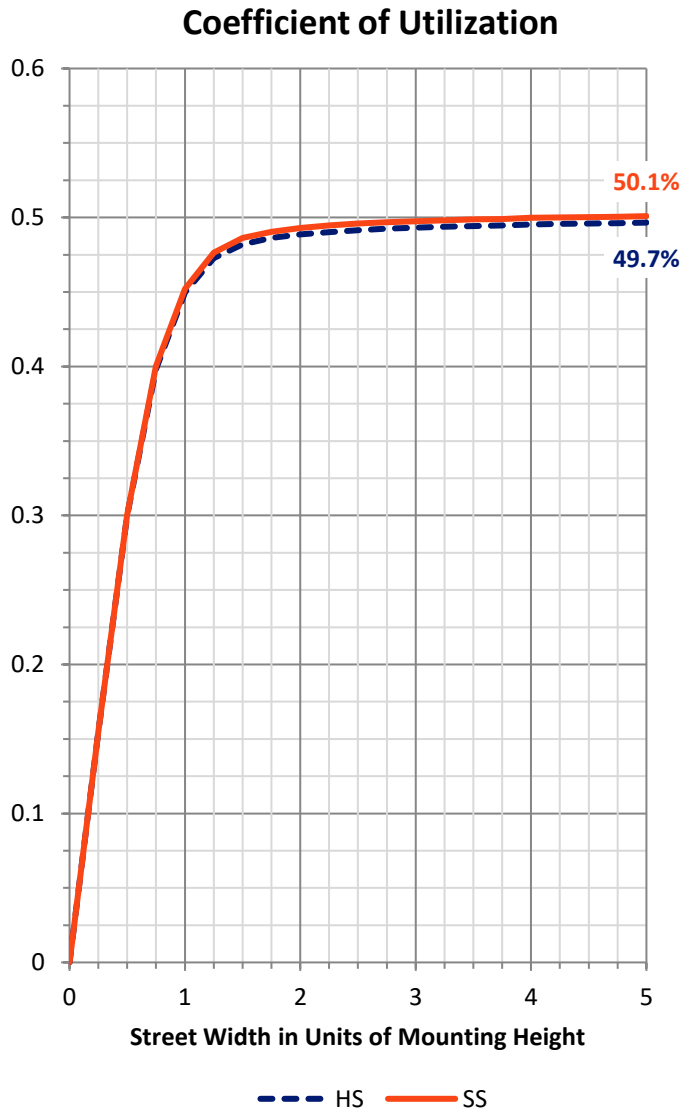
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	32292.5	0.0	32292.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	32292.5	0.0	32292.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	64585.0	0.0	64585.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1170.2	1.8
10°-20°	3577.9	5.5
20°-30°	5965.9	9.2
30°-40°	8204.9	12.7
40°-50°	10020.5	15.5
50°-60°	11589.7	17.9
60°-70°	13818.8	21.4
70°-80°	9644.7	14.9
80°-90°	592.4	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°	64585.0	100.0
0°-180°	64585.0	100.0



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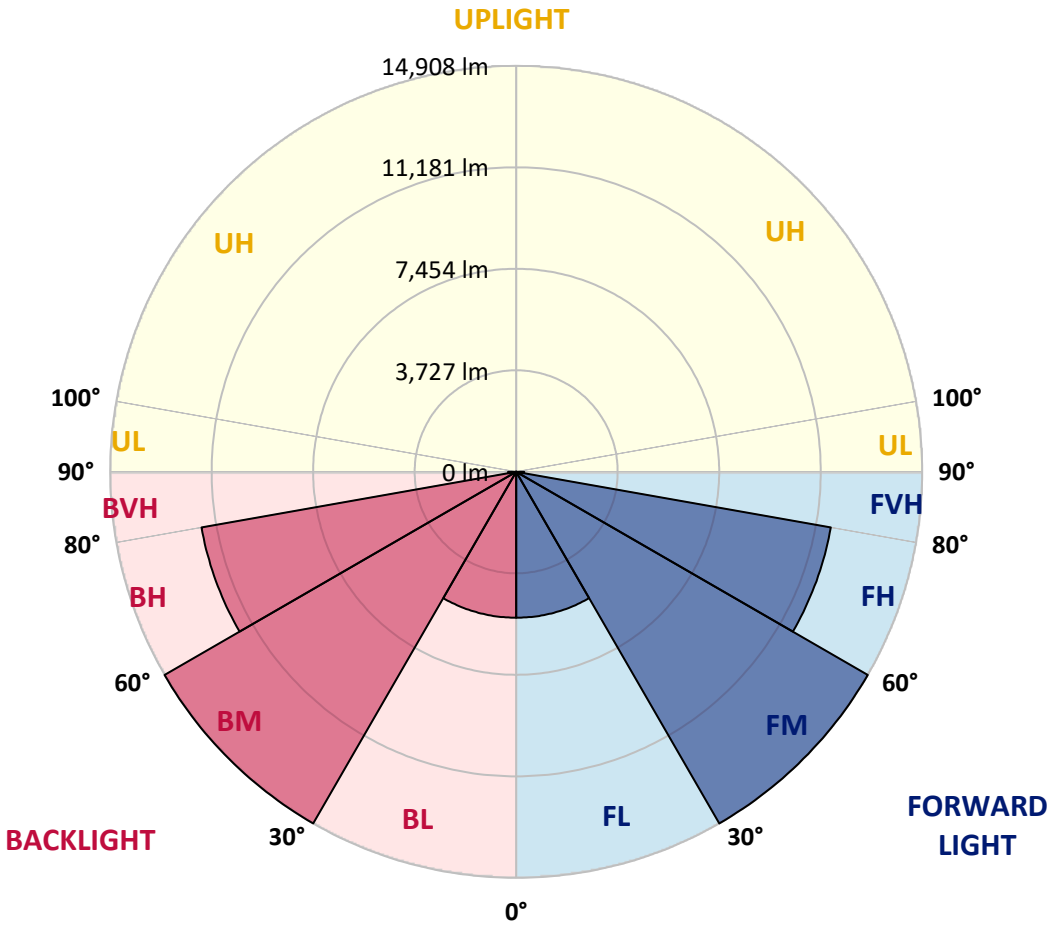
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	5357.0	8.3			
FM	(30°-60°)	14907.6	23.1			
FH	(60°-80°)	11731.7	18.2			G4/12000
FVH	(80°-90°)	296.2	0.5			G3/500
BL	(0°-30°)	5357.0	8.3	B5		
BM	(30°-60°)	14907.6	23.1	B5		
BH	(60°-80°)	11731.7	18.2	B5		G5
BVH	(80°-90°)	296.2	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°	12068.4	12068.4	12068.4	12068.4	12068.4	12068.4	12068.4	12068.4	12068.4	12068.4
2.5°	12078.7	12092.4	12092.4	12082.1	12106.1	12085.6	12085.6	12075.3	12085.6	12075.3
5°	12140.5	12157.6	12164.5	12161.1	12192.0	12174.8	12174.8	12161.1	12164.5	12154.2
7.5°	12257.2	12281.2	12294.9	12312.1	12356.7	12336.1	12322.4	12281.2	12264.0	12236.6
10°	12294.9	12322.4	12367.0	12456.3	12559.2	12562.7	12521.5	12418.5	12339.6	12277.8
12.5°	12178.2	12216.0	12308.7	12490.6	12720.5	12813.2	12748.0	12576.4	12421.9	12312.1
15°	12030.6	12071.8	12212.6	12487.1	12827.0	13043.2	13036.3	12809.8	12562.7	12391.0
17.5°	11800.7	11841.8	12044.4	12428.8	12909.3	13266.3	13362.4	13129.0	12782.3	12552.4
20°	11385.3	11423.1	11704.6	12243.4	12936.8	13503.1	13753.7	13547.8	13115.3	12802.9
22.5°	10846.4	10904.8	11234.3	11924.2	12871.6	13750.3	14199.9	14059.2	13503.1	13070.7
25°	10269.8	10331.6	10716.0	11532.9	12703.4	13928.8	14728.5	14639.3	13942.5	13403.6
27.5°	9772.1	9837.3	10256.1	11145.1	12442.5	13997.4	15250.2	15294.9	14474.5	13770.9
30°	9380.8	9442.6	9888.8	10832.7	12106.1	13928.8	15706.8	16015.7	15016.8	14090.1
32.5°	8951.8	9030.7	9500.9	10451.7	11708.0	13764.0	16104.9	16794.8	15645.0	14433.3
35°	8409.4	8481.5	8975.8	9930.0	11186.3	13499.7	16437.9	17659.8	16544.3	14955.1
37.5°	7750.4	7819.1	8309.9	9277.8	10668.0	13129.0	16691.9	18634.6	17615.2	15706.8
40°	7087.9	7153.2	7613.1	8550.2	10046.7	12655.3	16781.1	19588.8	18844.0	16739.9
42.5°	6480.4	6538.8	6960.9	7832.8	9349.9	12051.2	16664.4	20419.5	19945.8	17460.7
45°	5920.9	5972.4	6346.5	7160.0	8625.7	11316.7	16314.3	21311.9	21257.0	17975.6
47.5°	5282.5	5334.0	5721.8	6507.9	7901.4	10455.2	15720.5	22190.6	23079.6	19142.6
50°	4503.3	4548.0	4946.1	5756.2	7149.7	9538.7	14896.7	22880.5	25379.3	20910.3
52.5°	3580.0	3628.1	4015.9	4826.0	6257.3	8553.6	13812.1	23330.2	28036.0	23491.5
55°	2663.6	2697.9	3034.3	3761.9	5152.1	7431.2	12452.8	23457.2	31049.7	27020.0
57.5°	1932.5	1953.0	2169.3	2711.6	3906.1	6027.3	10801.8	23127.6	34636.6	31543.9
60°	1565.2	1572.0	1637.3	1877.5	2715.0	4441.6	8807.6	21994.9	38528.9	37375.6
62.5°	1421.0	1421.0	1438.2	1503.4	1836.3	2931.3	6394.6	19647.2	42702.7	44745.0
65°	1321.5	1321.5	1328.3	1359.2	1448.5	1867.2	4036.5	15823.5	46221.0	53377.6
67.5°	1232.2	1235.7	1232.2	1242.5	1294.0	1379.8	2340.9	10928.8	48115.7	62322.5
70°	1139.6	1146.4	1129.3	1129.3	1170.5	1173.9	1465.6	5993.0	46543.6	69818.9
72.5°	*1029.7*	*1040.0*	*1012.6*	*1005.7*	*1036.6*	*1022.9*	*1101.8*	*2876.4*	*39960.2*	*72056.8*
75°	933.6	947.3	885.6	868.4	868.4	858.1	895.9	1475.9	25935.4	58780.2
77.5°	847.8	875.3	775.7	720.8	707.1	676.2	731.1	902.7	11344.1	27596.7
80°	700.2	738.0	638.4	573.2	549.2	514.9	576.6	631.6	3374.1	6408.3
82.5°	521.7	538.9	453.1	408.5	387.9	363.8	432.5	439.3	1098.4	2268.8
85°	332.9	339.8	278.0	240.3	230.0	219.7	274.6	240.3	418.8	1668.2
87.5°	116.7	133.9	106.4	96.1	103.0	85.8	127.0	72.1	116.7	1177.3
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°
12068.4
12075.3
12154.2
12236.6
12267.5
12294.9
12363.6
12514.6
12744.6
12991.7
13293.8
13654.2
13921.9
14220.5
14718.2
15391.0
16403.5
17028.2
17392.1
18469.9
20065.9
22451.5
25719.1
29906.7
35312.7
41981.9
49883.4
58550.2
68826.9
74665.4
62871.6
27023.4
6137.2
2564.0
2423.3
1458.8
0.0

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