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: P943070

Luminaire Tested: **GALN-SB7B-850-U-5WQ**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P943070
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SB7B-850-U-5WQ
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(7) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	38746 lumens
Efficiency:	N/A
Efficacy:	150.9 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):	256.7
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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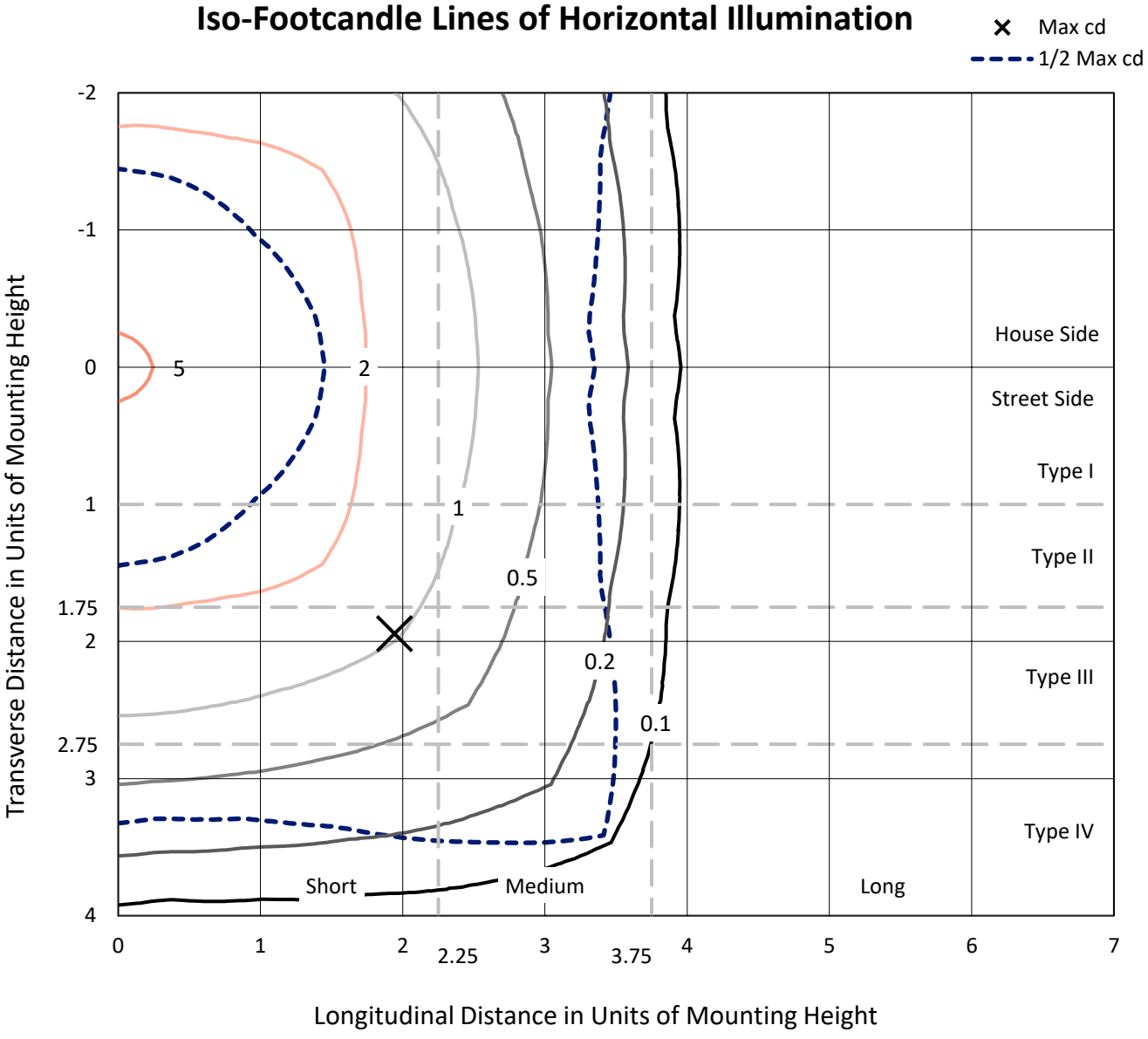
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
Type V - Short - N/A

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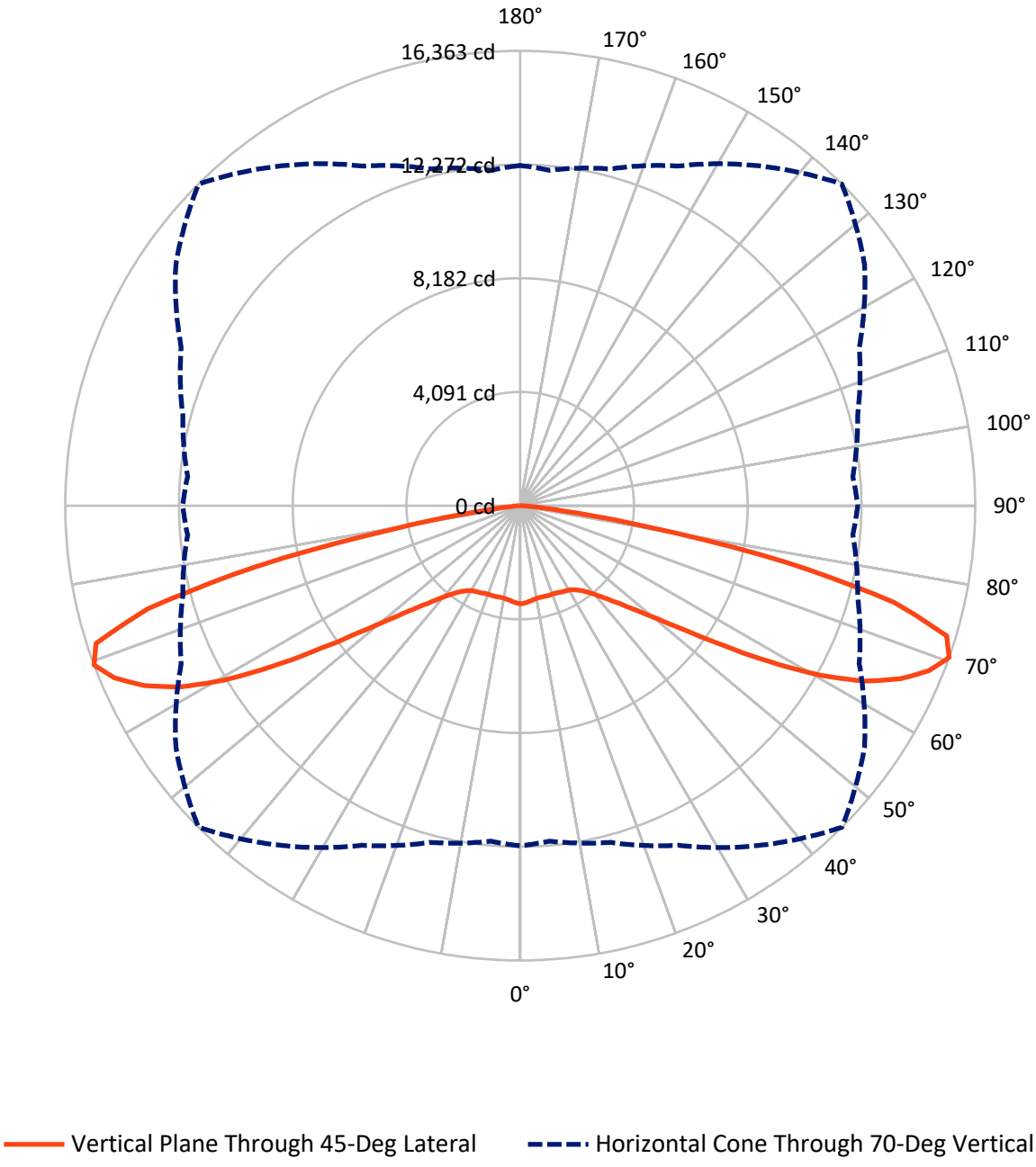
Luminous Intensity Polar Plot



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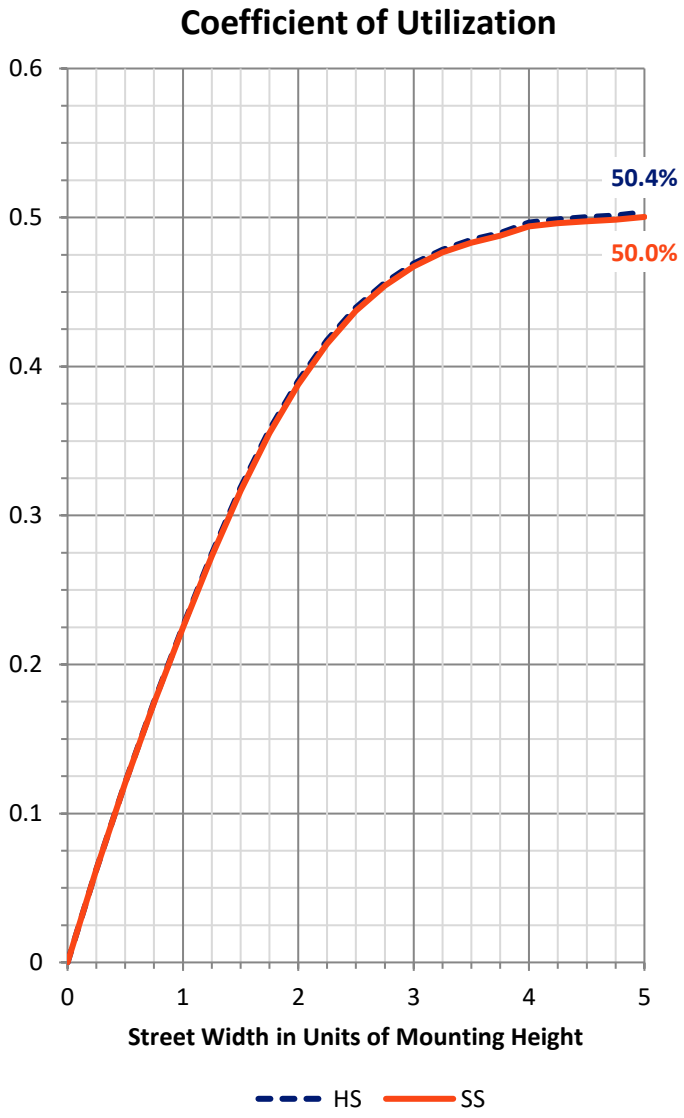
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19373.0	0.0	19373.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19373.0	0.0	19373.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	38746.0	0.0	38746.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.8	0.8
10°-20°	965.4	2.5
20°-30°	1606.6	4.1
30°-40°	2429.6	6.3
40°-50°	4037.4	10.4
50°-60°	7618.4	19.7
60°-70°	12864.0	33.2
70°-80°	8453.0	21.8
80°-90°	442.8	1.1
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°	38746.0	100.0
0°-180°	38746.0	100.0



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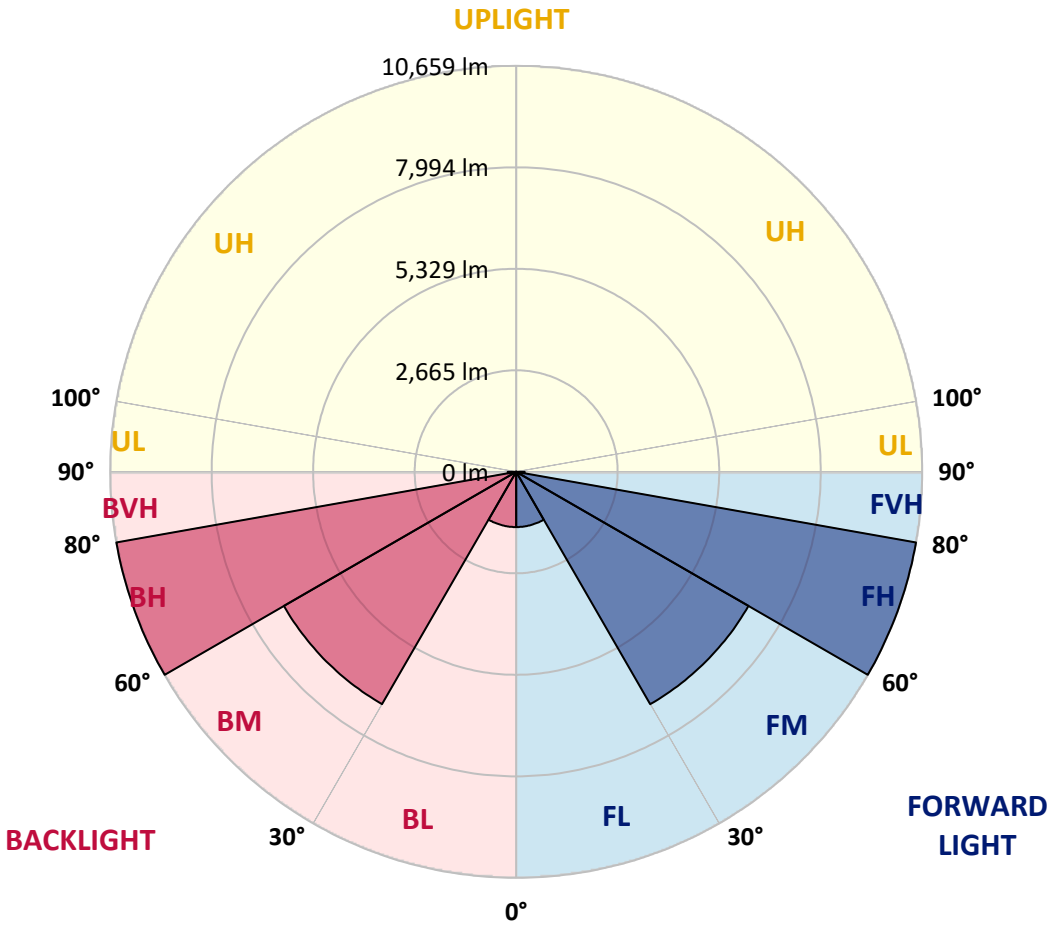
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1450.4	3.7			
FM	(30°-60°)	7042.7	18.2			
FH	(60°-80°)	10658.5	27.5			G4/12000
FVH	(80°-90°)	221.4	0.6			G2/225
BL	(0°-30°)	1450.4	3.7	B3/2500		
BM	(30°-60°)	7042.7	18.2	B4/8500		
BH	(60°-80°)	10658.5	27.5	B5		G4/12000
BVH	(80°-90°)	221.4	0.6			G2/225
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°	3534.4	3534.4	3534.4	3534.4	3534.4	*3534.4*	3534.4	3534.4	3534.4	3534.4
2.5°	3512.3	3522.3	3518.3	3510.2	3510.2	*3504.2*	3510.2	3514.3	3520.3	3524.3
5°	3465.9	3474.0	3472.0	3465.9	3468.0	*3461.9*	3465.9	3472.0	3476.0	3478.0
7.5°	3425.7	3433.7	3429.7	3419.6	3419.6	*3413.6*	3415.6	3421.6	3427.7	3429.7
10°	3415.6	3423.7	3411.6	3395.5	3389.4	*3381.4*	3383.4	3389.4	3401.5	3407.5
12.5°	3419.6	3425.7	3413.6	3389.4	3383.4	*3375.3*	3375.3	3381.4	3397.5	3405.5
15°	3431.7	3437.7	3419.6	3393.4	3387.4	*3381.4*	3379.3	3387.4	3405.5	3419.6
17.5°	3453.9	3459.9	3431.7	3395.5	3387.4	*3389.4*	3387.4	3393.4	3421.6	3447.8
20°	3474.0	3478.0	3439.8	3395.5	3387.4	*3389.4*	3387.4	3399.5	3435.7	3472.0
22.5°	3480.0	3484.1	3447.8	3409.6	3403.5	*3405.5*	3403.5	3415.6	3449.8	3486.1
25°	3482.1	3488.1	3459.9	3429.7	3439.8	*3443.8*	3439.8	3441.8	3468.0	3500.2
27.5°	3512.3	3520.3	3494.1	3468.0	3474.0	*3472.0*	3478.0	3484.1	3504.2	3536.4
30°	3574.7	3580.7	3558.6	3532.4	3528.4	*3514.3*	3532.4	3552.5	3574.7	3602.9
32.5°	3677.4	3689.5	3661.3	3633.1	3615.0	*3606.9*	3621.0	3655.3	3685.5	3715.7
35°	3848.6	3856.6	3830.5	3778.1	3745.9	*3745.9*	3758.0	3802.3	3850.6	3888.9
37.5°	4090.3	4100.3	4054.0	3991.6	3943.2	*3943.2*	3959.4	4005.7	4078.2	4132.5
40°	4384.3	4398.4	4340.0	4275.5	4229.2	*4221.2*	4241.3	4293.7	4362.1	4430.6
42.5°	4738.7	4754.8	4678.3	4621.9	4585.7	*4585.7*	4595.7	4644.1	4706.5	4791.1
45°	5191.9	5220.1	5115.3	5058.9	5024.7	*5032.8*	5038.8	5081.1	5137.5	5234.2
47.5°	5731.6	5759.8	5649.0	5590.6	5584.6	*5622.8*	5598.7	5628.9	5659.1	5769.9
50°	6343.8	6392.2	6315.6	6311.6	6323.7	*6394.2*	6337.8	6353.9	6319.7	6390.1
52.5°	7093.0	7163.5	7149.4	7173.6	7308.5	*7453.5*	7324.6	7268.2	7139.3	7161.5
55°	8001.3	8108.0	8128.1	8273.1	8579.3	*8875.3*	8601.4	8373.8	8100.0	8049.6
57.5°	9034.4	9119.0	9215.7	9511.7	10083.7	*10609.3*	10083.7	9580.2	9149.2	9046.5
60°	10146.1	10250.8	10343.5	10780.5	11630.3	*12369.4*	11614.2	10814.7	10244.8	10105.8
62.5°	11340.3	11475.3	11539.7	12025.1	13015.9	*13898.0*	13030.0	12061.3	11428.9	11279.9
65°	12486.3	12597.0	12669.5	13187.1	14133.6	*15017.7*	14198.1	13243.5	12593.0	12397.6
67.5°	13019.9	13080.4	13257.6	13843.6	14842.5	*15851.5*	15011.7	13906.1	13179.0	12836.7
70°	*12238.5*	*12115.7*	*12542.6*	*13481.1*	*14927.1*	*16363.0*	*15120.5*	*13452.9*	*12562.8*	*12006.9*
72.5°	9457.3	9245.9	9987.0	11592.1	13960.4	*16036.8*	14057.1	11682.7	10448.2	9320.4
75°	5145.5	4905.9	5929.0	7959.0	11132.9	*13900.0*	11388.7	8186.6	6601.6	5107.3
77.5°	1452.0	1361.4	2187.1	3850.6	6696.3	*9759.4*	6954.0	3935.2	2593.9	1538.6
80°	445.1	431.0	584.0	1160.0	2843.6	*4674.3*	2732.9	1174.1	743.1	469.2
82.5°	263.8	241.7	290.0	422.9	725.0	*1468.1*	704.9	441.0	354.4	237.6
85°	151.0	141.0	171.2	205.4	243.7	*312.2*	203.4	209.4	189.3	126.9
87.5°	62.4	56.4	66.5	64.4	56.4	*72.5*	54.4	64.4	76.5	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

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90°
3534.4
3522.3
3478.0
3429.7
3407.5
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3421.6
3447.8
3474.0
3486.1
3498.2
3528.4
3596.8
3703.6
3874.8
4112.4
4408.5
4785.1
5230.1
5737.6
6347.9
7087.0
7971.1
8974.0
9985.0
11159.1
12301.0
12840.7
12139.9
9600.3
5439.6
1709.8
495.4
257.8
132.9
46.3
0.0

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