Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P954994

Luminaire Tested: **GALN-SB8A-830-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:	P954994
	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-SB8A-830-U-5MQ
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(8) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	34133 lumens
Efficiency:	N/A
Efficacy:	150.3 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):	227.1
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

REPORT NUMBER: P954994
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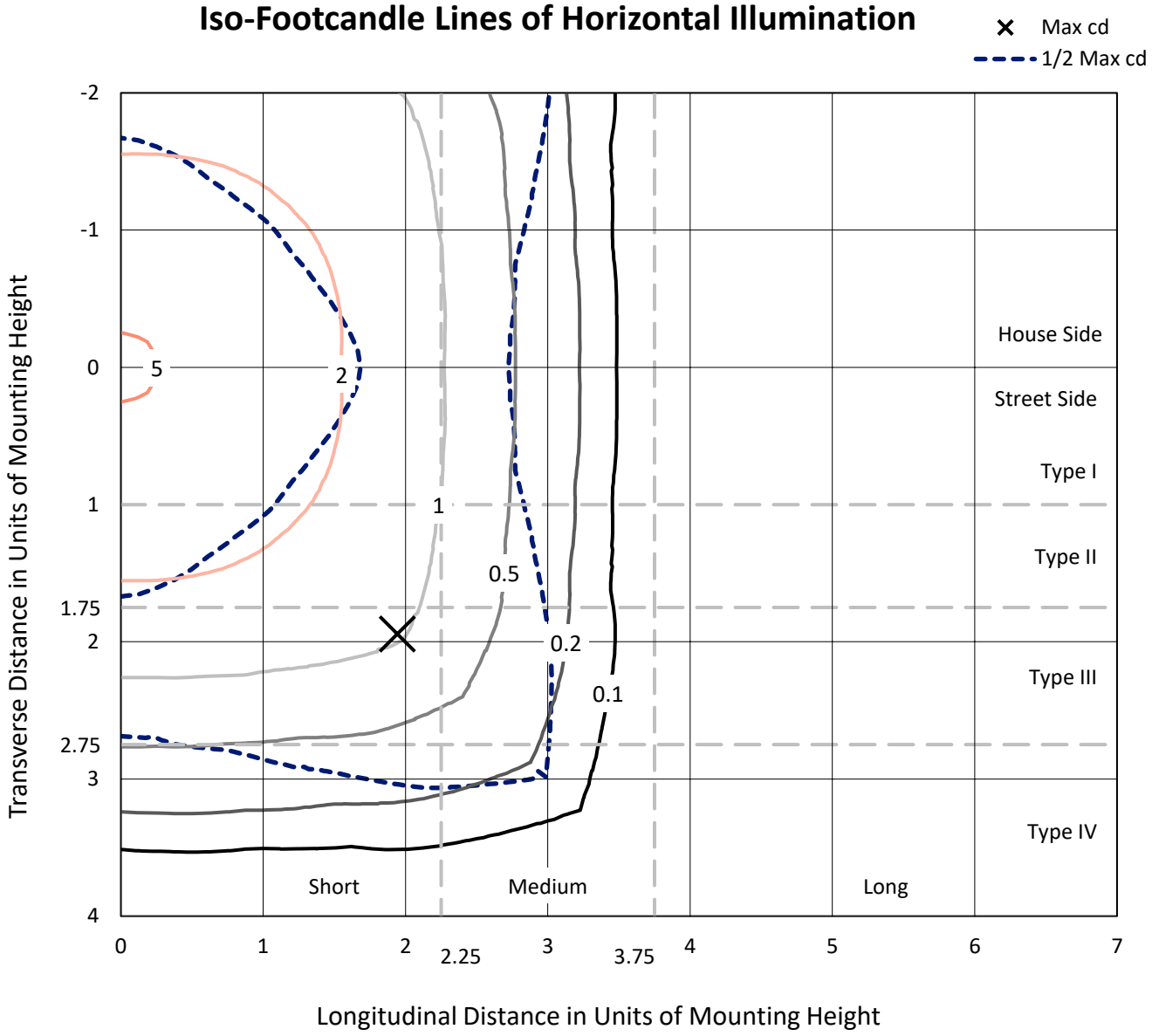
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
Type V - Short - N/A

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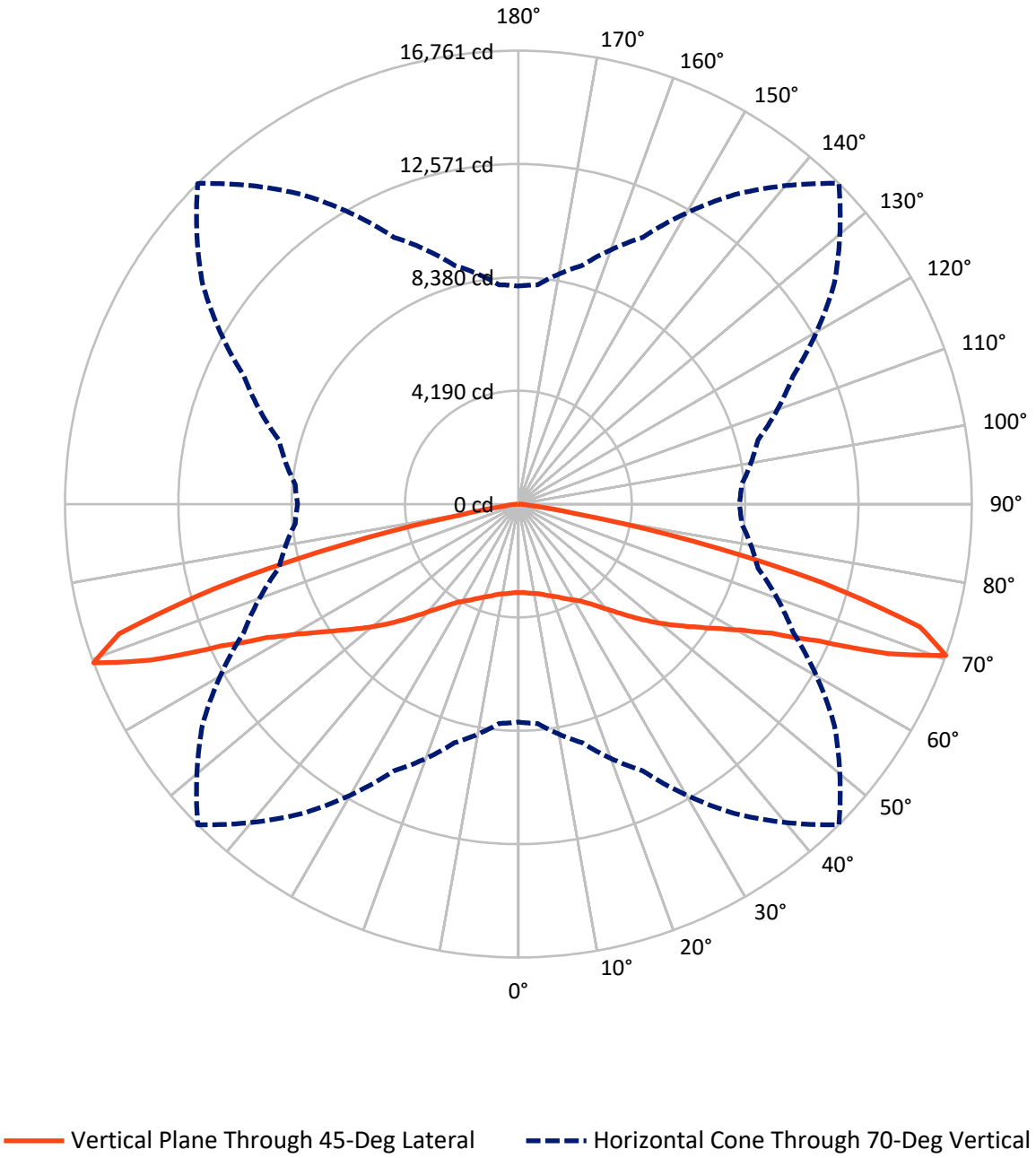
Luminous Intensity Polar Plot



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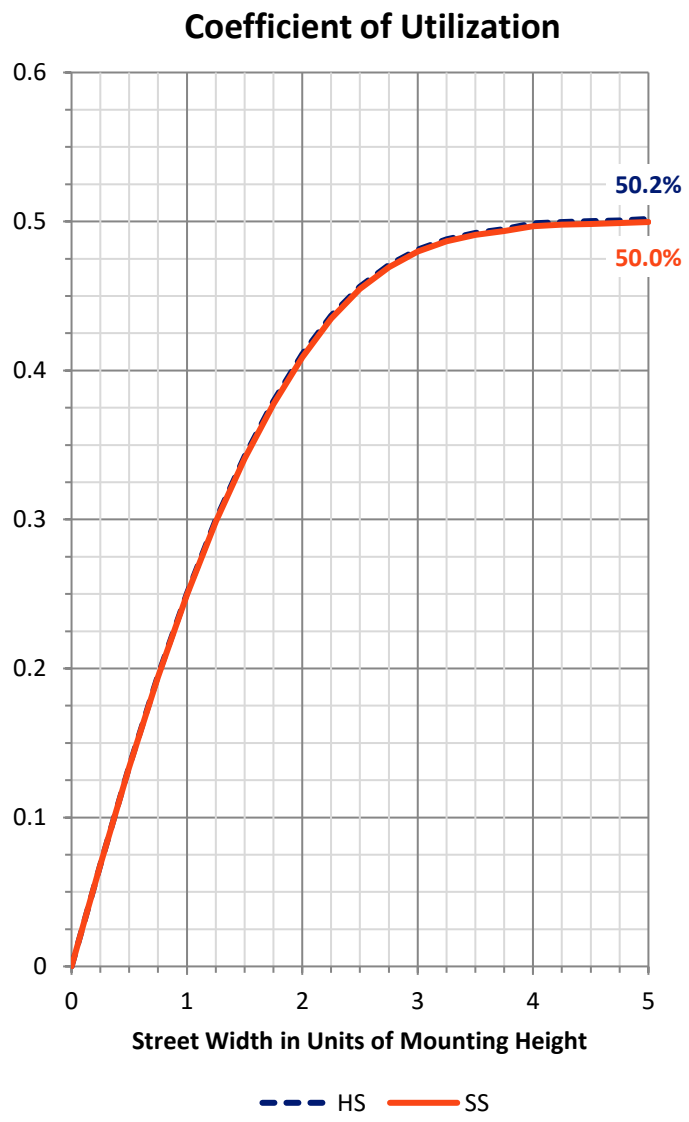
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17066.5	0.0	17066.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17066.5	0.0	17066.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	34133.0	0.0	34133.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.6	0.9
10°-20°	985.0	2.9
20°-30°	1760.2	5.2
30°-40°	2853.3	8.4
40°-50°	4647.6	13.6
50°-60°	7086.1	20.8
60°-70°	10541.8	30.9
70°-80°	5745.6	16.8
80°-90°	195.6	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°	34133.0	100.0
0°-180°	34133.0	100.0



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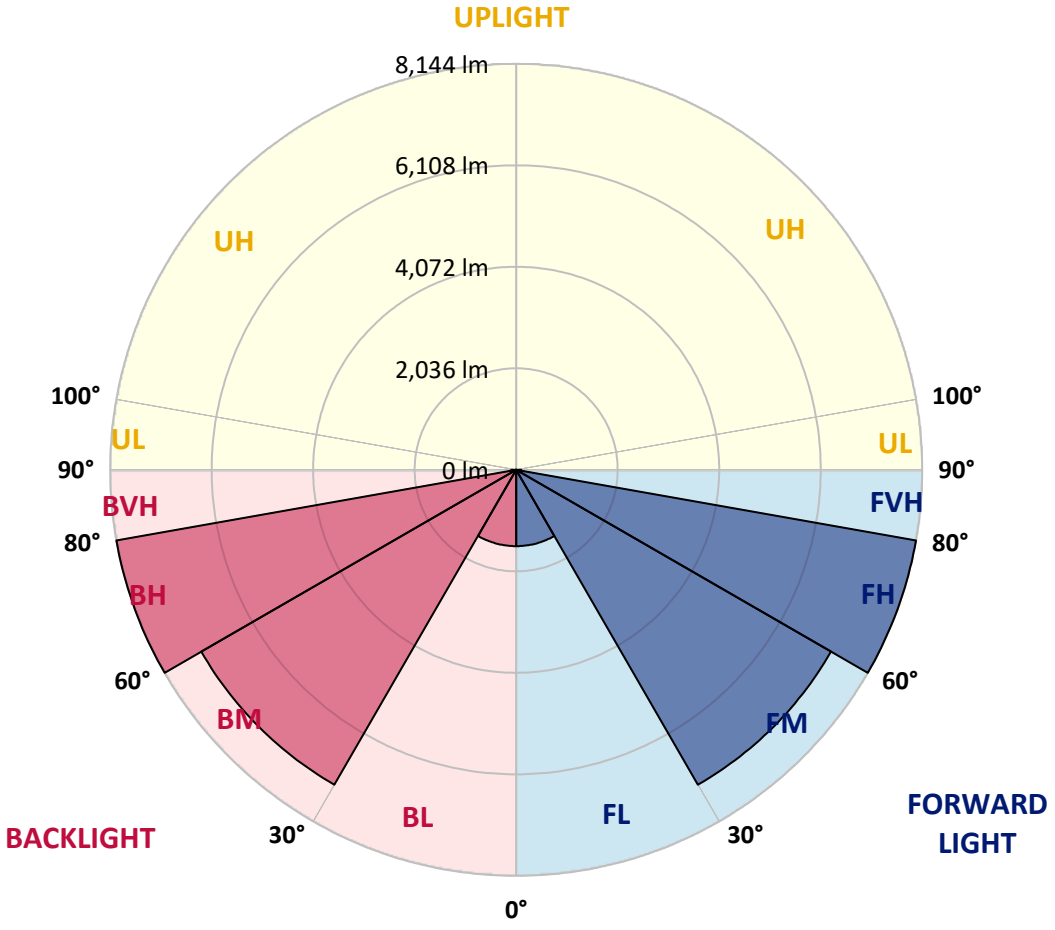
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1531.4	4.5			
FM	(30°-60°)	7293.5	21.4			
FH	(60°-80°)	8143.7	23.9			G4/12000
FVH	(80°-90°)	97.8	0.3			G1/100
BL	(0°-30°)	1531.4	4.5	B3/2500		
BM	(30°-60°)	7293.5	21.4	B4/8500		
BH	(60°-80°)	8143.7	23.9	B5		G4/12000
BVH	(80°-90°)	97.8	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°	3269.6	3269.6	3269.6	3269.6	3269.6	*3269.6*	3269.6	3269.6	3269.6	3269.6
2.5°	3285.0	3288.4	3281.6	3278.2	3274.7	*3269.6*	3271.3	3279.9	3286.7	3285.0
5°	3312.4	3315.9	3310.7	3309.0	3302.1	*3300.4*	3300.4	3309.0	3314.1	3310.7
7.5°	3343.3	3348.4	3339.8	3338.1	3334.7	*3331.3*	3329.6	3338.1	3343.3	3343.3
10°	3372.4	3377.5	3370.7	3365.6	3362.1	*3362.1*	3358.7	3365.6	3374.1	3372.4
12.5°	3403.3	3406.7	3399.8	3396.4	3396.4	*3401.5*	3396.4	3399.8	3406.7	3403.3
15°	3441.0	3442.7	3441.0	3446.1	3454.7	*3471.8*	3456.4	3452.9	3456.4	3447.8
17.5°	3492.4	3495.8	3502.6	3514.6	3526.6	*3557.5*	3530.1	3521.5	3521.5	3504.4
20°	3555.8	3560.9	3571.2	3591.7	3607.2	*3636.3*	3608.9	3596.9	3591.7	3569.5
22.5°	3622.6	3631.2	3646.6	3674.0	3701.4	*3728.8*	3701.4	3680.9	3665.4	3636.3
25°	3699.7	3710.0	3734.0	3778.5	3816.2	*3855.6*	3823.1	3782.0	3751.1	3710.0
27.5°	3809.4	3821.4	3850.5	3905.3	3953.3	*3987.6*	3956.7	3903.6	3860.8	3811.1
30°	3963.6	3975.6	4009.9	4068.1	4100.7	*4123.0*	4102.4	4061.3	4009.9	3953.3
32.5°	4162.4	4177.8	4215.5	4270.3	4277.2	*4280.6*	4273.8	4253.2	4215.5	4147.0
35°	4414.3	4431.4	4474.3	4518.8	4512.0	*4518.8*	4508.5	4501.7	4474.3	4395.4
37.5°	4722.7	4743.3	4787.9	4822.1	4805.0	*4796.4*	4798.1	4799.9	4784.4	4697.0
40°	5080.9	5108.3	5140.9	5176.8	5147.7	*5122.0*	5139.1	5152.9	5139.1	5050.0
42.5°	5449.3	5488.7	5523.0	5574.4	5550.4	*5517.9*	5541.8	5557.3	5528.1	5432.2
45°	5858.9	5896.6	5941.1	6018.2	6001.1	*5966.8*	6001.1	6004.5	5954.8	5841.7
47.5°	6282.1	6321.5	6388.4	6491.2	6484.3	*6446.6*	6491.2	6467.2	6403.8	6268.4
50°	6683.1	6738.0	6840.8	6984.7	6998.4	*6952.2*	7012.1	6965.9	6859.6	6690.0
52.5°	7060.1	7118.4	7281.2	7476.5	7526.2	*7466.2*	7546.8	7466.2	7306.9	7089.2
55°	7456.0	7521.1	7714.7	7970.0	8069.4	*8024.9*	8100.3	7978.6	7752.4	7488.5
57.5°	7922.1	7961.5	8192.8	8496.1	8664.1	*8674.3*	8708.6	8503.0	8228.8	7928.9
60°	8427.6	8482.4	8734.3	9097.6	9363.2	*9448.9*	9412.9	9107.9	8789.2	8444.7
62.5°	9075.3	9135.3	9436.9	9872.2	10292.0	*10504.5*	10364.0	9921.9	9527.7	9114.7
65°	9611.7	9678.5	10223.5	10999.7	11764.0	*12190.7*	11837.7	11023.7	10314.3	9731.7
67.5°	9222.7	9305.0	10160.1	11585.8	13486.2	*14759.4*	13551.3	11760.6	10370.8	9580.9
70°	*8060.9*	*8138.0*	*9135.3*	*10878.1*	*13971.1*	*16760.9*	*14262.5*	*11198.5*	*9167.9*	*8283.6*
72.5°	5351.6	5600.1	6609.4	8700.1	12475.2	*15510.0*	12598.5	8523.5	6131.3	5339.6
75°	1775.3	1974.1	2663.0	4510.2	8355.6	*11599.5*	7954.6	3991.0	2109.5	1518.3
77.5°	447.3	515.8	711.2	1290.4	3333.0	*6604.3*	3000.5	1053.9	574.1	401.0
80°	217.6	239.9	342.7	430.1	834.5	*2099.2*	783.1	404.4	270.8	209.1
82.5°	120.0	121.7	193.6	243.3	310.2	*543.2*	322.2	236.5	155.9	126.8
85°	73.7	72.0	102.8	130.2	130.2	*193.6*	154.2	130.2	89.1	78.8
87.5°	29.1	29.1	37.7	41.1	36.0	*49.7*	39.4	42.8	34.3	32.6
90°	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0	0.0	0.0

(END C

90°
3269.6
3286.7
3312.4
3343.3
3372.4
3401.5
3447.8
3504.4
3569.5
3634.6
3708.3
3809.4
3953.3
4148.7
4395.4
4697.0
5050.0
5439.0
5853.7
6259.9
6686.5
7068.7
7452.5
7887.8
8389.9
9042.8
9635.7
9462.6
8165.4
5166.6
1436.0
358.1
191.9
126.8
82.3
34.3
0.0

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