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: P954785

Luminaire Tested: **GALN-SB7D-940-U-5NQ**

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:	P954785
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SB7D-940-U-5NQ
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(7) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	54952 lumens
Efficiency:	N/A
Efficacy:	107.2 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):	512.8
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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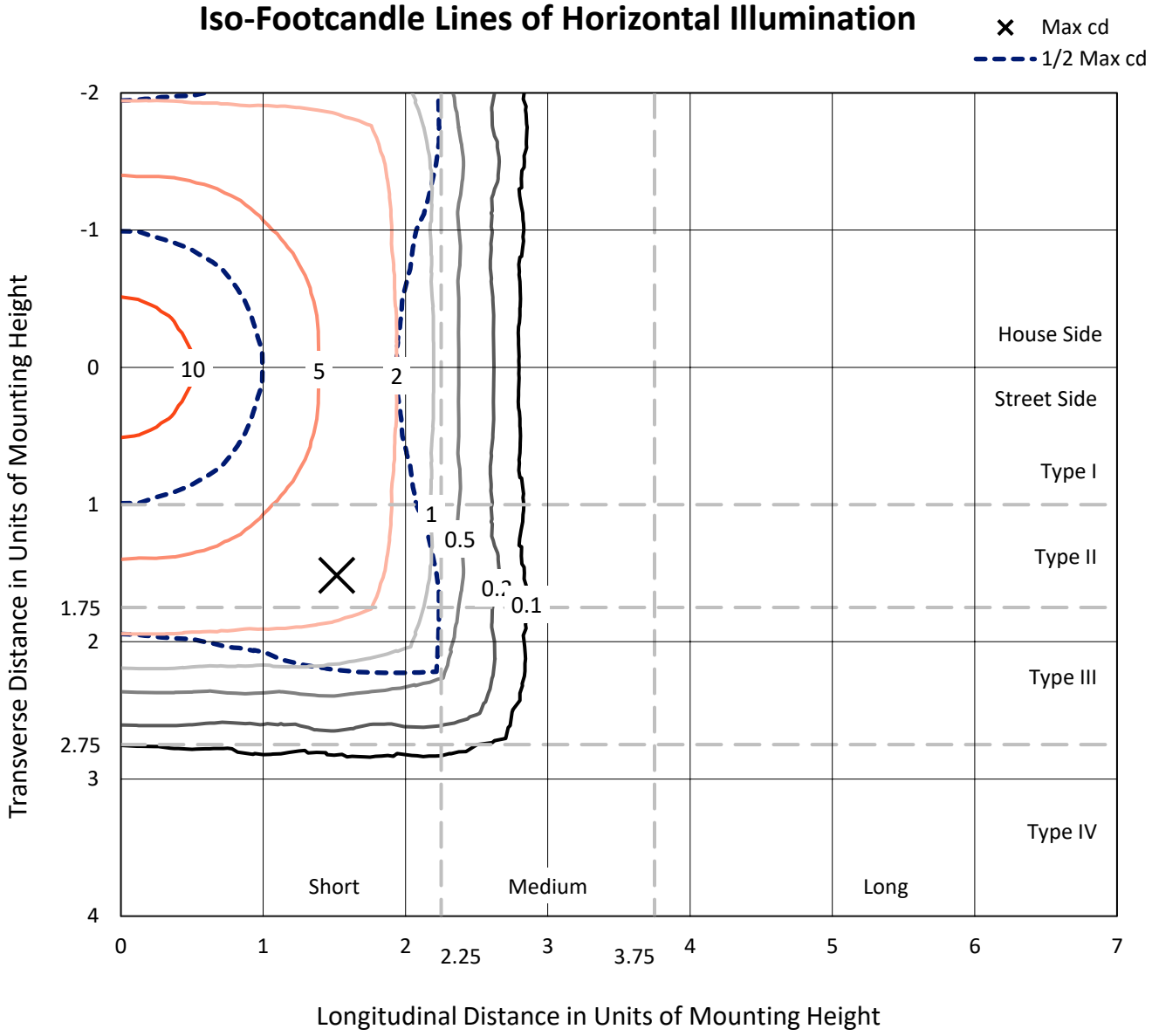
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 10.7 fc
Type V - Short - N/A

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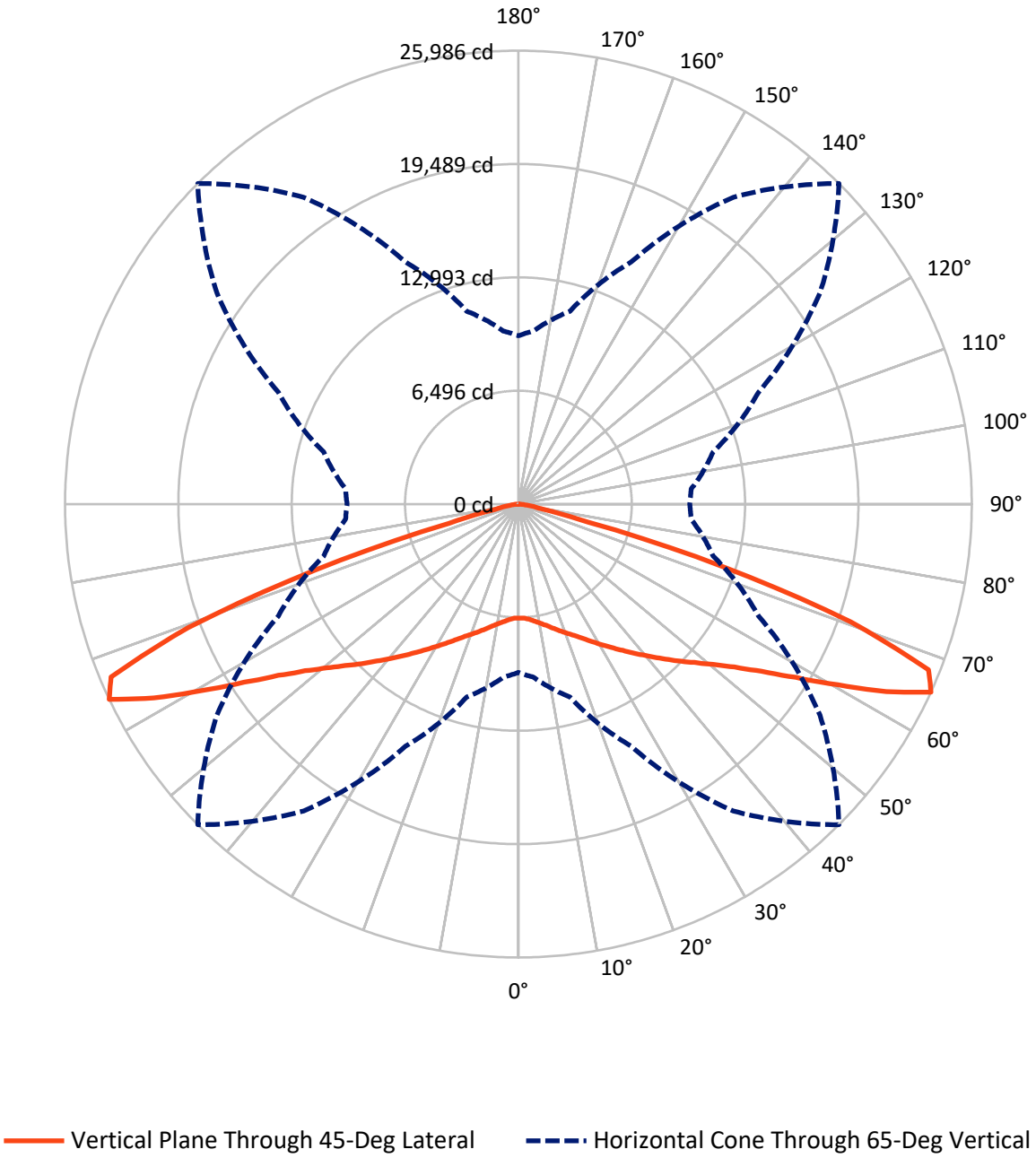
Luminous Intensity Polar Plot



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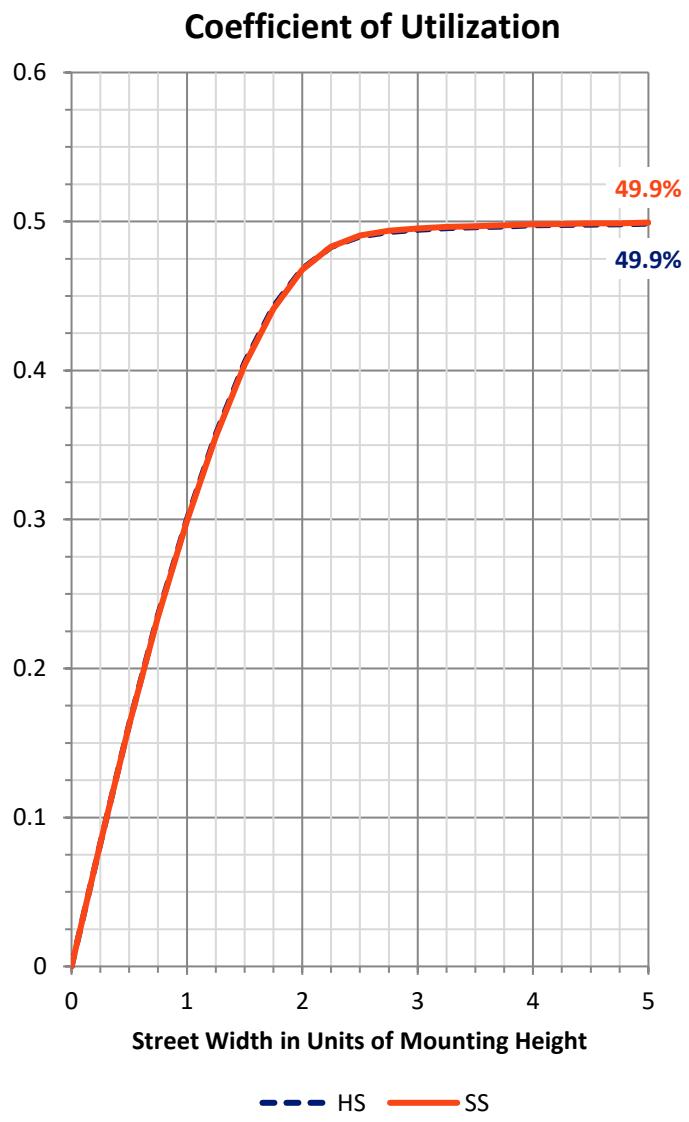
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27476.0	0.0	27476.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27476.0	0.0	27476.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	54952.0	0.0	54952.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	645.4	1.2
10°-20°	2106.1	3.8
20°-30°	3976.5	7.2
30°-40°	6511.3	11.8
40°-50°	10095.9	18.4
50°-60°	14913.7	27.1
60°-70°	14196.5	25.8
70°-80°	2290.8	4.2
80°-90°	215.9	0.4
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°	54952.0	100.0
0°-180°	54952.0	100.0



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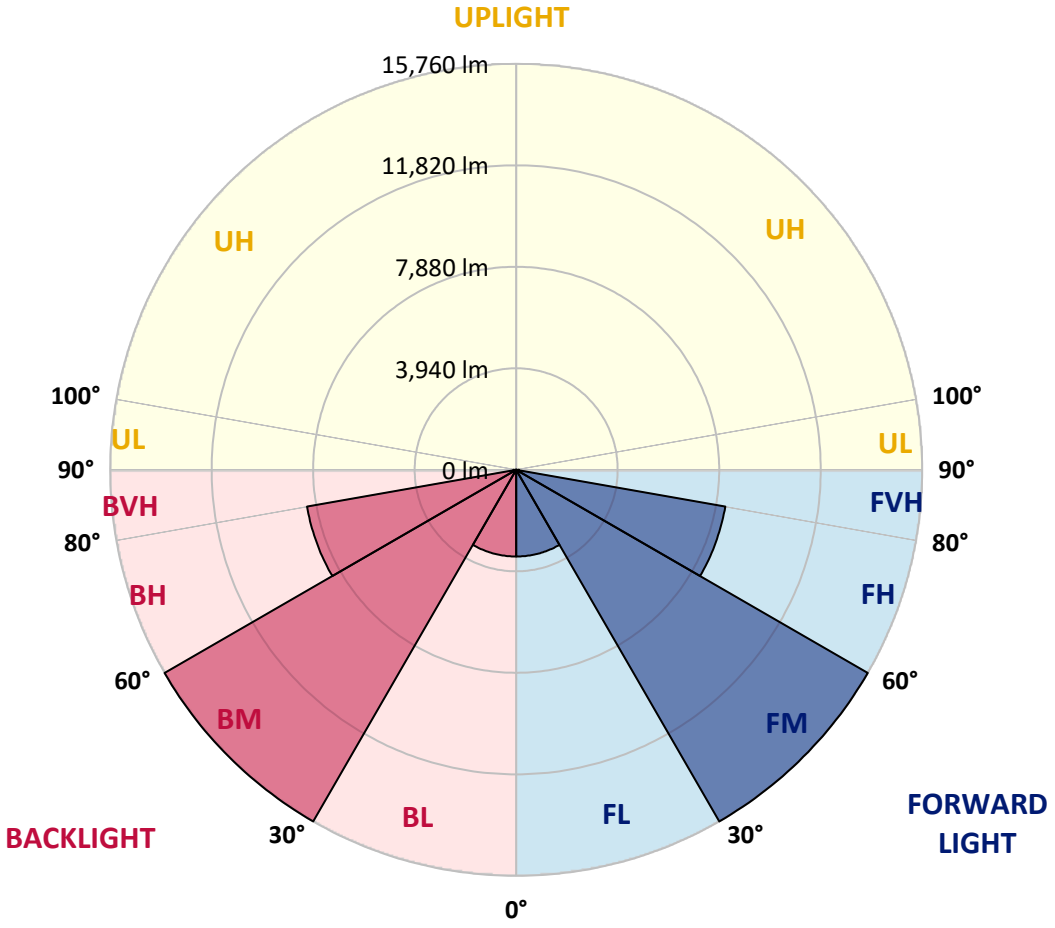
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3364.0	6.1			
FM	(30°-60°)	15760.4	28.7			
FH	(60°-80°)	8243.6	15.0			G4/12000
FVH	(80°-90°)	108.0	0.2			G2/225
BL	(0°-30°)	3364.0	6.1	B4/5000		
BM	(30°-60°)	15760.4	28.7	B5		
BH	(60°-80°)	8243.6	15.0	B5		G4/12000
BVH	(80°-90°)	108.0	0.2			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°	6539.8	6539.8	6539.8	6539.8	6539.8	*6539.8*	6539.8	6539.8	6539.8	6539.8
2.5°	6584.0	6561.9	6578.4	6564.7	6553.6	*6542.6*	6548.1	6567.4	6575.7	6578.4
5°	6672.2	6652.9	6661.1	6661.1	6641.9	*6636.3*	6639.1	6652.9	6669.4	6669.4
7.5°	6815.5	6796.2	6815.5	6804.5	6788.0	*6782.5*	6779.7	6790.7	6815.5	6815.5
10°	6989.2	6967.2	6978.2	6972.7	6953.4	*6945.1*	6942.4	6958.9	6981.0	6978.2
12.5°	7179.5	7154.7	7168.5	7151.9	7146.4	*7138.1*	7138.1	7135.4	7149.2	7138.1
15°	7391.8	7375.2	7380.8	7369.7	7378.0	*7372.5*	7350.4	7339.4	7344.9	7328.4
17.5°	7642.7	7604.1	7623.4	7617.9	7617.9	*7628.9*	7593.0	7579.3	7590.3	7573.7
20°	7932.2	7893.6	7901.8	7890.8	7877.0	*7888.1*	7843.9	7855.0	7863.2	7852.2
22.5°	8249.2	8199.6	8196.9	8202.4	8172.0	*8174.8*	8144.5	8172.0	8188.6	8158.3
25°	8574.6	8522.2	8558.0	8544.2	8505.6	*8513.9*	8491.9	8519.4	8533.2	8494.6
27.5°	8919.2	8883.4	8916.5	8924.7	8877.9	*8910.9*	8877.9	8902.7	8916.5	8858.6
30°	9321.7	9285.9	9316.2	9338.3	9283.2	*9335.5*	9308.0	9324.5	9327.3	9258.3
32.5°	9760.1	9705.0	9782.2	9793.2	9732.6	*9796.0*	9760.1	9782.2	9796.0	9702.2
35°	10295.0	10226.1	10314.3	10300.5	10248.1	*10300.5*	10267.4	10300.5	10333.6	10220.6
37.5°	10871.2	10799.6	10893.3	10868.5	10818.9	*10854.7*	10835.4	10857.5	10909.8	10788.5
40°	11505.4	11417.1	11544.0	11499.9	11453.0	*11447.5*	11458.5	11472.3	11541.2	11406.1
42.5°	12183.6	12089.9	12280.1	12211.2	12145.0	*12100.9*	12136.7	12164.3	12230.5	12078.8
45°	12958.4	12850.8	13099.0	13016.3	12911.5	*12820.5*	12878.4	12919.8	13016.3	12834.3
47.5°	13813.1	13691.8	13956.4	13931.6	13760.7	*13562.2*	13694.5	13813.1	13884.7	13664.2
50°	14648.5	14554.7	14902.1	14932.4	14722.9	*14444.4*	14629.2	14808.4	14827.7	14538.2
52.5°	15431.5	15337.7	15842.3	16032.5	15845.0	*15514.2*	15709.9	15891.9	15745.8	15370.8
55°	16057.3	15980.1	16622.5	17113.3	17176.7	*16903.8*	17019.6	17014.1	16534.3	15958.1
57.5°	16209.0	16198.0	17008.5	18048.0	18709.7	*18742.8*	18513.9	17929.4	16895.5	16120.8
60°	15519.7	15588.6	16702.5	18536.0	20300.5	*21033.9*	20044.1	18376.1	16484.7	15409.4
62.5°	13457.4	13639.4	14982.1	17940.4	21585.3	*23669.7*	21271.0	17697.8	14797.3	13394.0
65°	*9644.3*	*9961.4*	*11444.7*	*15310.2*	*21469.5*	*25985.7*	*21094.6*	*15186.1*	*11555.0*	*9936.6*
67.5°	4375.5	4698.1	5958.1	10482.5	18662.8	*25357.0*	18618.7	10592.8	6255.9	4714.6
70°	1585.3	1640.5	2045.8	4196.3	11927.2	*20204.0*	12437.3	4226.6	2175.4	1748.0
72.5°	959.5	967.7	1053.2	1502.6	4143.9	*12266.3*	4320.4	1552.2	1075.3	954.0
75°	609.3	603.8	749.9	918.1	1469.5	*4138.4*	1541.2	918.1	747.2	681.0
77.5°	438.4	452.2	537.6	686.5	926.4	*1403.4*	909.8	656.2	537.6	441.1
80°	328.1	336.4	391.5	534.9	650.7	*874.0*	579.0	485.2	405.3	275.7
82.5°	237.1	237.1	256.4	388.8	397.0	*471.5*	314.3	341.9	267.4	195.8
85°	140.6	137.9	159.9	231.6	206.8	*173.7*	143.4	209.5	168.2	121.3
87.5°	49.6	52.4	49.6	66.2	55.1	*46.9*	44.1	57.9	46.9	41.4
90°	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0	0.0	0.0

(END C

90°
6539.8
6578.4
6669.4
6807.3
6972.7
7143.6
7331.1
7587.5
7877.0
8188.6
8538.7
8902.7
9299.7
9765.6
10289.5
10863.0
11450.2
12158.8
12928.0
13738.6
14574.0
15381.9
15977.4
16071.1
15282.6
13311.3
9818.0
4645.7
1725.9
970.5
686.5
449.4
284.0
195.8
118.6
38.6
0.0

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