Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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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: P953315

Luminaire Tested: **GALN-SB6D-930-U-5NQ**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P953315
	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-SB6D-930-U-5NQ
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(6) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	44983 lumens
Efficiency:	N/A
Efficacy:	102.2 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B5 - U0 - G3

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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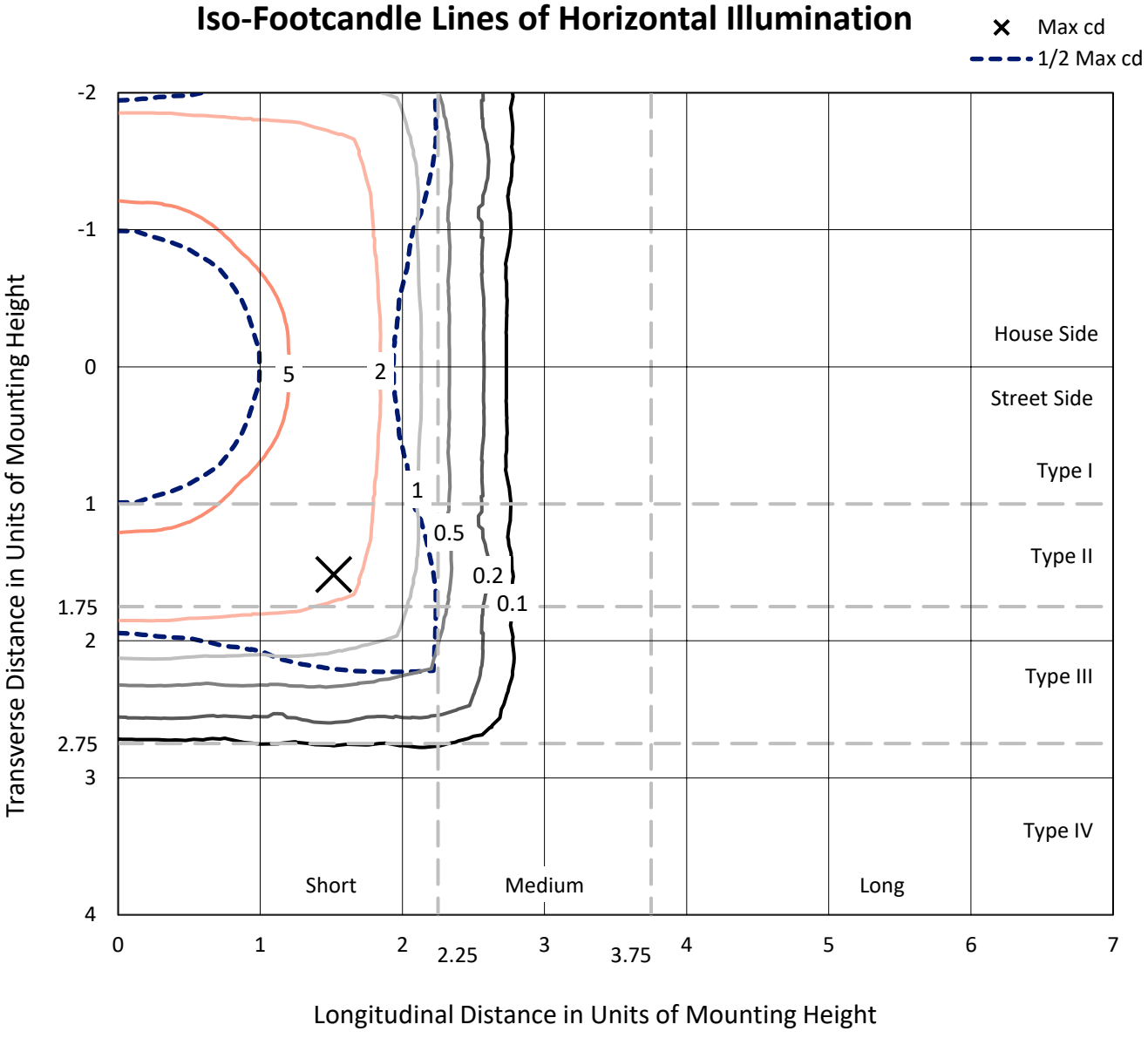
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
Type V - Short - N/A

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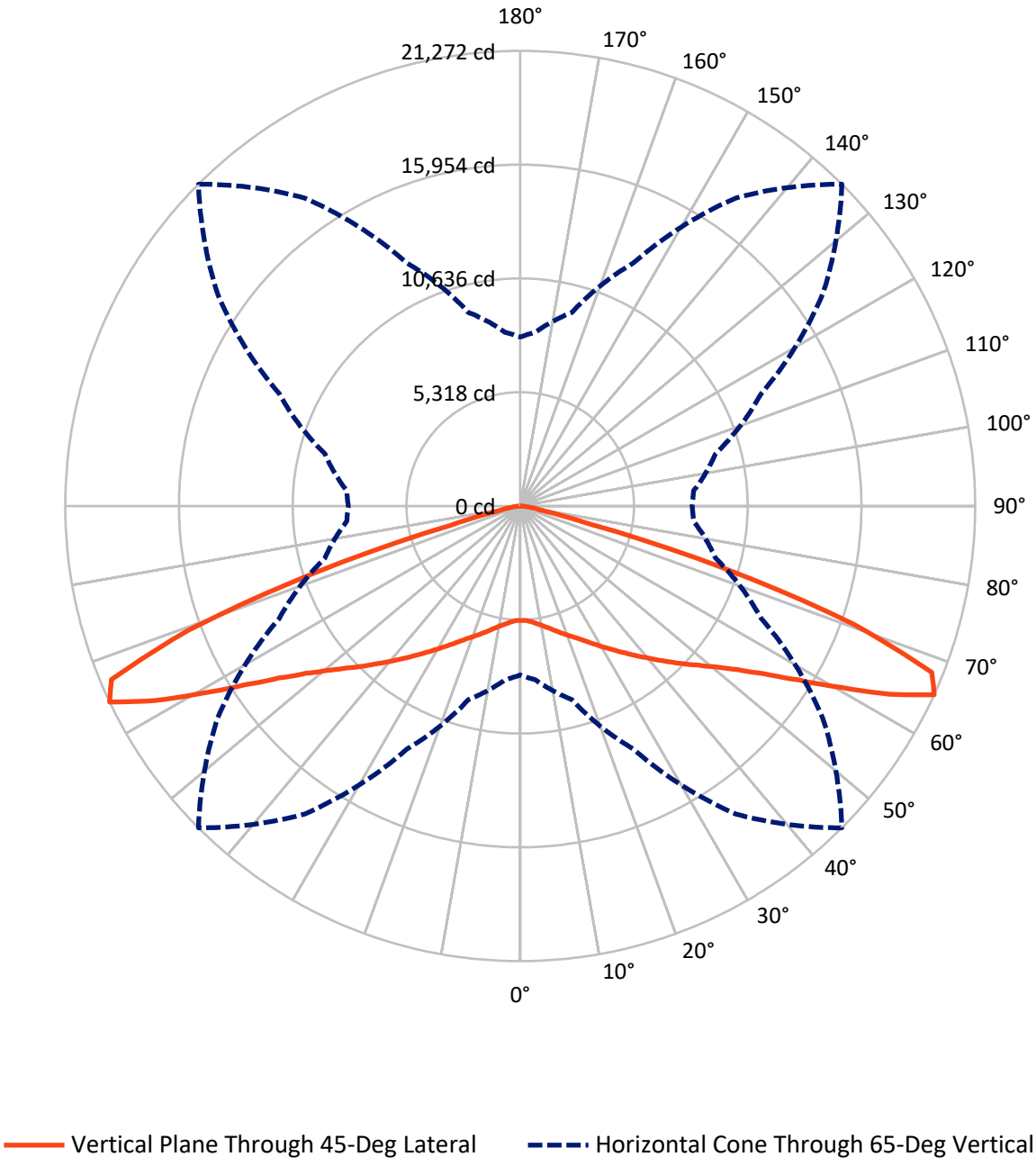
Luminous Intensity Polar Plot



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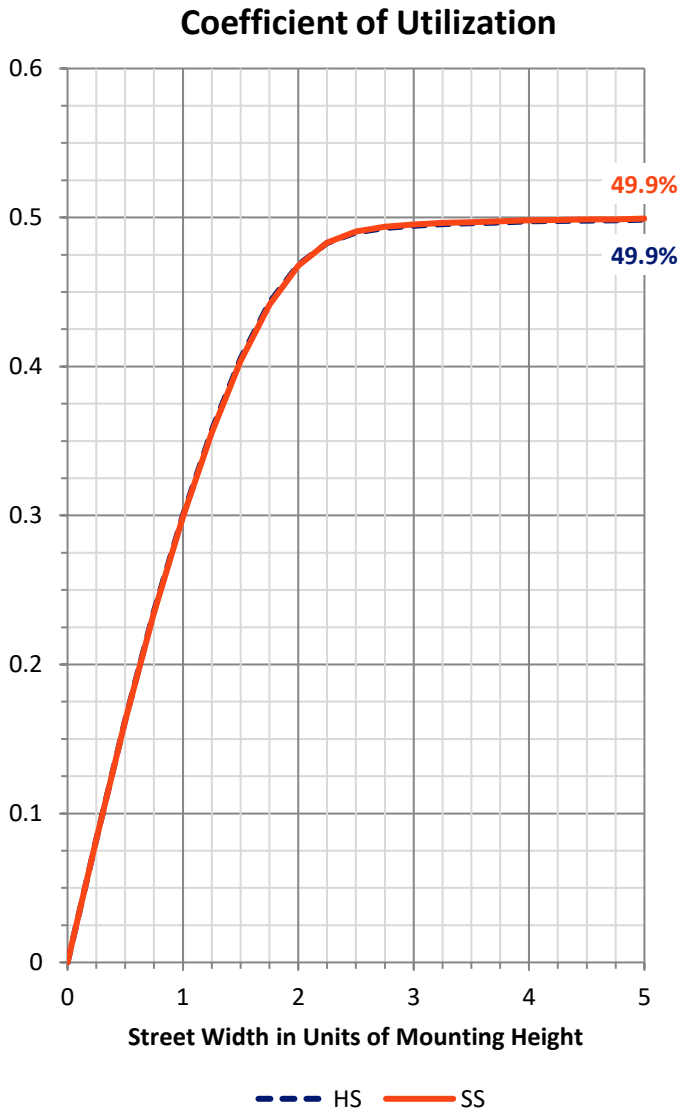
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22491.5	0.0	22491.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22491.5	0.0	22491.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	44983.0	0.0	44983.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	528.3	1.2
10°-20°	1724.0	3.8
20°-30°	3255.1	7.2
30°-40°	5330.1	11.8
40°-50°	8264.3	18.4
50°-60°	12208.2	27.1
60°-70°	11621.0	25.8
70°-80°	1875.2	4.2
80°-90°	176.8	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°	44983.0	100.0
0°-180°	44983.0	100.0



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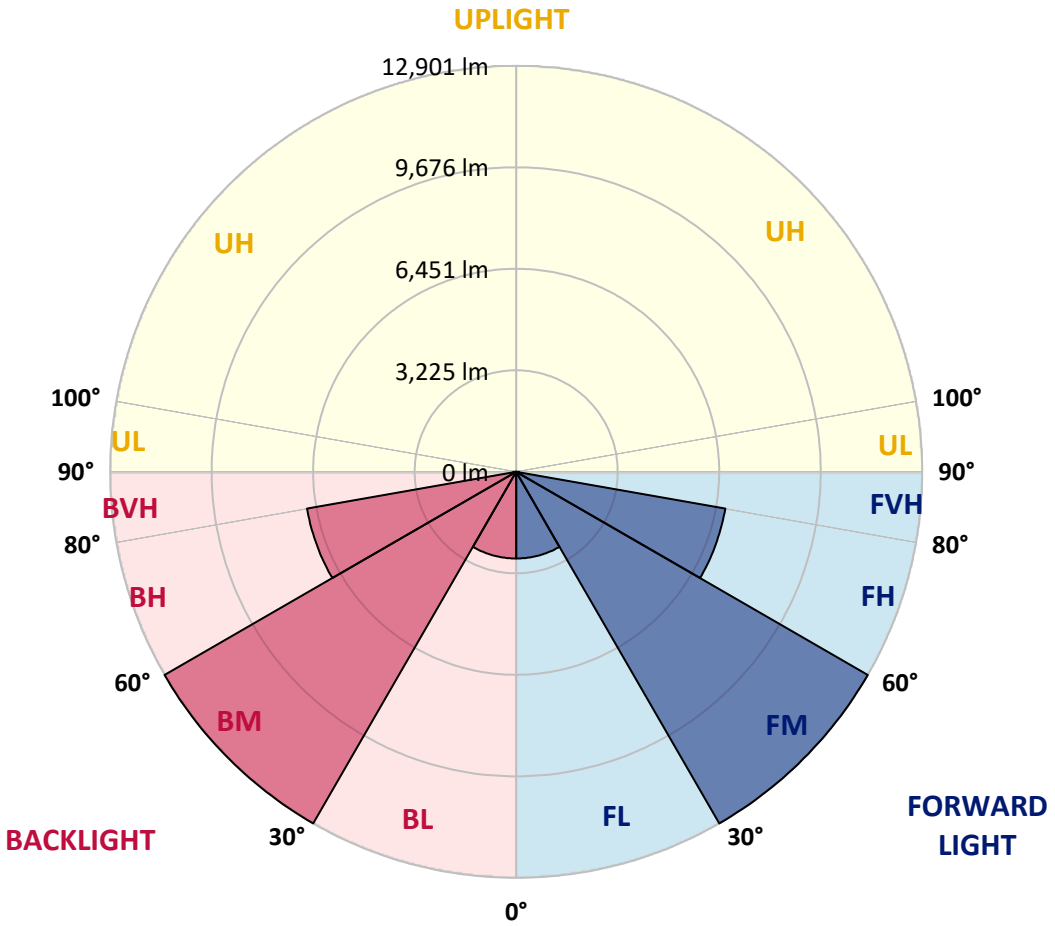
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2753.7	6.1			
FM	(30°-60°)	12901.3	28.7			
FH	(60°-80°)	6748.1	15.0			G3/7500
FVH	(80°-90°)	88.4	0.2			G1/100
BL	(0°-30°)	2753.7	6.1	B4/5000		
BM	(30°-60°)	12901.3	28.7	B5		
BH	(60°-80°)	6748.1	15.0	B5		G3/7500
BVH	(80°-90°)	88.4	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3
Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5353.4	5353.4	5353.4	5353.4	5353.4	5353.4	5353.4	5353.4	5353.4	5353.4
2.5°	5389.5	5371.5	5385.0	5373.7	5364.7	5355.7	5360.2	5376.0	5382.8	5385.0
5°	5461.8	5446.0	5452.7	5452.7	5436.9	5432.4	5434.7	5446.0	5459.5	5459.5
7.5°	5579.1	5563.3	5579.1	5570.1	5556.6	5552.0	5549.8	5558.8	5579.1	5579.1
10°	5721.3	5703.3	5712.3	5707.8	5692.0	5685.2	5682.9	5696.5	5714.5	5712.3
12.5°	5877.0	5856.7	5868.0	5854.5	5850.0	5843.2	5843.2	5840.9	5852.2	5843.2
15°	6050.8	6037.3	6041.8	6032.8	6039.5	6035.0	6017.0	6007.9	6012.4	5998.9
17.5°	6256.2	6224.6	6240.4	6235.9	6235.9	6244.9	6215.6	6204.3	6213.3	6199.8
20°	6493.2	6461.6	6468.3	6459.3	6448.0	6457.1	6421.0	6430.0	6436.8	6427.7
22.5°	6752.7	6712.1	6709.8	6714.4	6689.5	6691.8	6667.0	6689.5	6703.1	6678.2
25°	7019.0	6976.2	7005.5	6994.2	6962.6	6969.4	6951.3	6973.9	6985.2	6953.6
27.5°	7301.2	7271.8	7298.9	7305.7	7267.3	7294.4	7267.3	7287.6	7298.9	7251.5
30°	7630.7	7601.3	7626.2	7644.2	7599.1	7641.9	7619.4	7632.9	7635.2	7578.8
32.5°	7989.5	7944.4	8007.6	8016.6	7966.9	8018.9	7989.5	8007.6	8018.9	7942.1
35°	8427.4	8370.9	8443.2	8431.9	8389.0	8431.9	8404.8	8431.9	8459.0	8366.4
37.5°	8899.1	8840.4	8917.1	8896.8	8856.2	8885.5	8869.7	8887.8	8930.7	8831.3
40°	9418.1	9345.9	9449.7	9413.6	9375.3	9370.8	9379.8	9391.1	9447.5	9336.9
42.5°	9973.4	9896.6	10052.3	9995.9	9941.8	9905.6	9935.0	9957.6	10011.7	9887.6
45°	10607.5	10519.5	10722.7	10654.9	10569.2	10494.7	10542.1	10576.0	10654.9	10506.0
47.5°	11307.2	11207.9	11424.6	11404.2	11264.3	11101.8	11210.1	11307.2	11365.9	11185.3
50°	11991.0	11914.3	12198.7	12223.5	12052.0	11824.0	11975.2	12121.9	12137.7	11900.8
52.5°	12632.0	12555.3	12968.3	13124.0	12970.5	12699.7	12860.0	13008.9	12889.3	12582.4
55°	13144.3	13081.1	13607.0	14008.7	14060.6	13837.2	13932.0	13927.5	13534.8	13063.1
57.5°	13268.5	13259.4	13923.0	14773.8	15315.5	15342.6	15155.3	14676.8	13830.4	13196.2
60°	12704.2	12760.7	13672.5	15173.3	16617.7	17218.1	16407.8	15042.4	13494.2	12614.0
62.5°	11016.1	11165.0	12264.1	14685.8	17669.5	19375.7	17412.2	14487.2	12112.9	10964.1
65°	7894.7	8154.3	9368.5	12532.7	17574.7	21271.5	17267.7	12431.1	9458.8	8134.0
67.5°	3581.7	3845.8	4877.2	8580.8	15277.1	20756.9	15241.0	8671.1	5121.0	3859.3
70°	1297.7	1342.9	1674.6	3435.0	9763.5	16538.7	10181.0	3459.9	1780.7	1430.9
72.5°	785.4	792.2	862.1	1230.0	3392.2	10041.1	3536.6	1270.6	880.2	780.9
75°	498.8	494.3	613.9	751.6	1202.9	3387.6	1261.6	751.6	611.6	557.5
77.5°	358.9	370.1	440.1	562.0	758.3	1148.8	744.8	537.1	440.1	361.1
80°	268.6	275.3	320.5	437.8	532.6	715.4	474.0	397.2	331.8	225.7
82.5°	194.1	194.1	209.9	318.2	325.0	385.9	257.3	279.9	218.9	160.2
85°	115.1	112.8	130.9	189.6	169.3	142.2	117.4	171.5	137.7	99.3
87.5°	40.6	42.9	40.6	54.2	45.1	38.4	36.1	47.4	38.4	33.9
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°
5353.4
5385.0
5459.5
5572.3
5707.8
5847.7
6001.2
6211.1
6448.0
6703.1
6989.7
7287.6
7612.6
7994.0
8422.8
8892.3
9373.0
9953.0
10582.7
11246.3
11930.1
12591.4
13078.9
13155.6
12510.1
10896.4
8036.9
3802.9
1412.8
794.4
562.0
367.9
232.5
160.2
97.0
31.6
0.0

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