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: P944773

Luminaire Tested: **GALN-SB9D-850-U-T1**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P944773
	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-SB9D-850-U-T1
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(9) 80 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	87706 lumens
Efficiency:	N/A
Efficacy:	133.3 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification:	Type I - Short
BUG Rating:	B5 - U0 - G5

Input Watts (W):	658
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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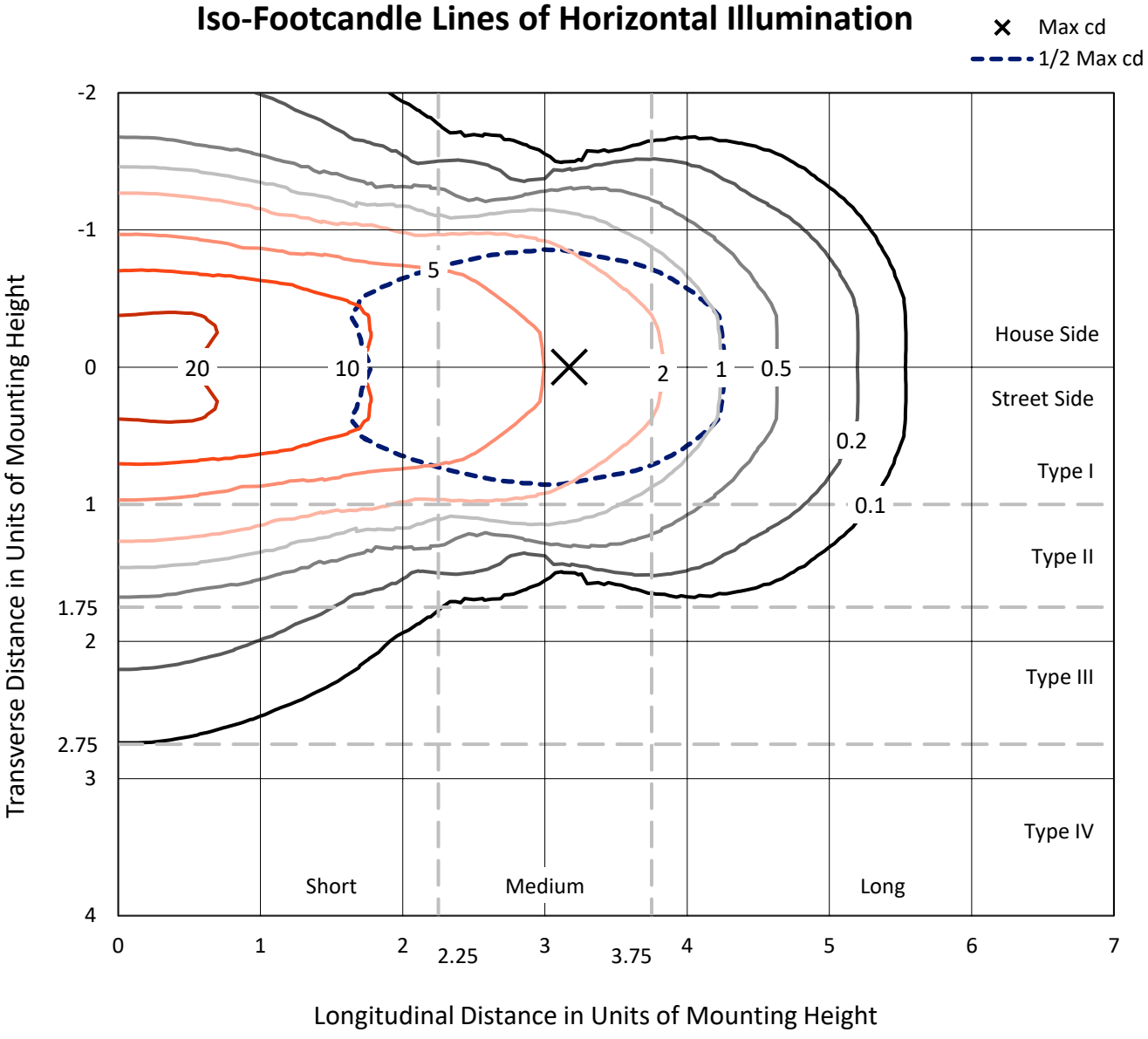
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 26.2 fc
Type I - Short - N/A

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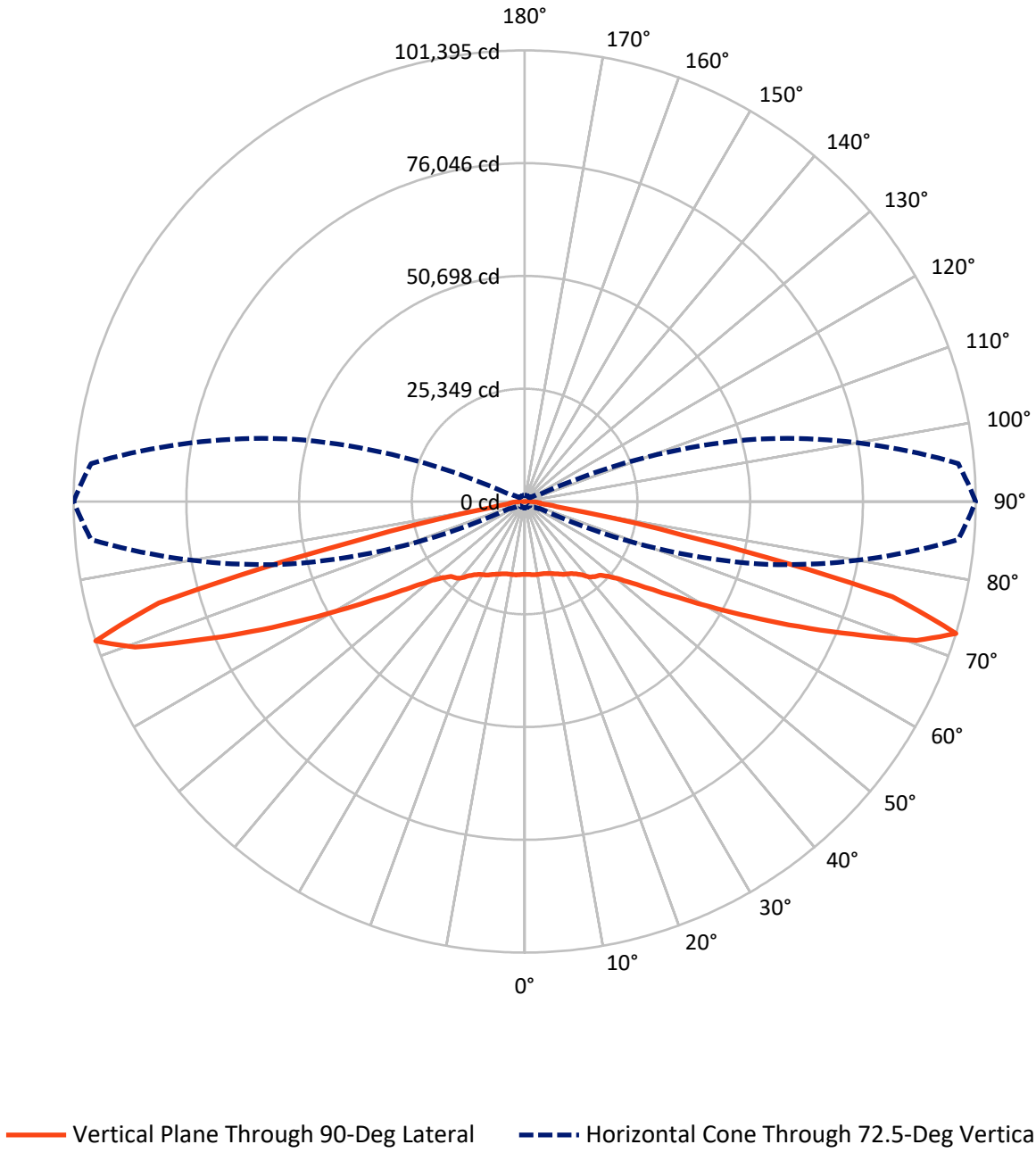
Luminous Intensity Polar Plot



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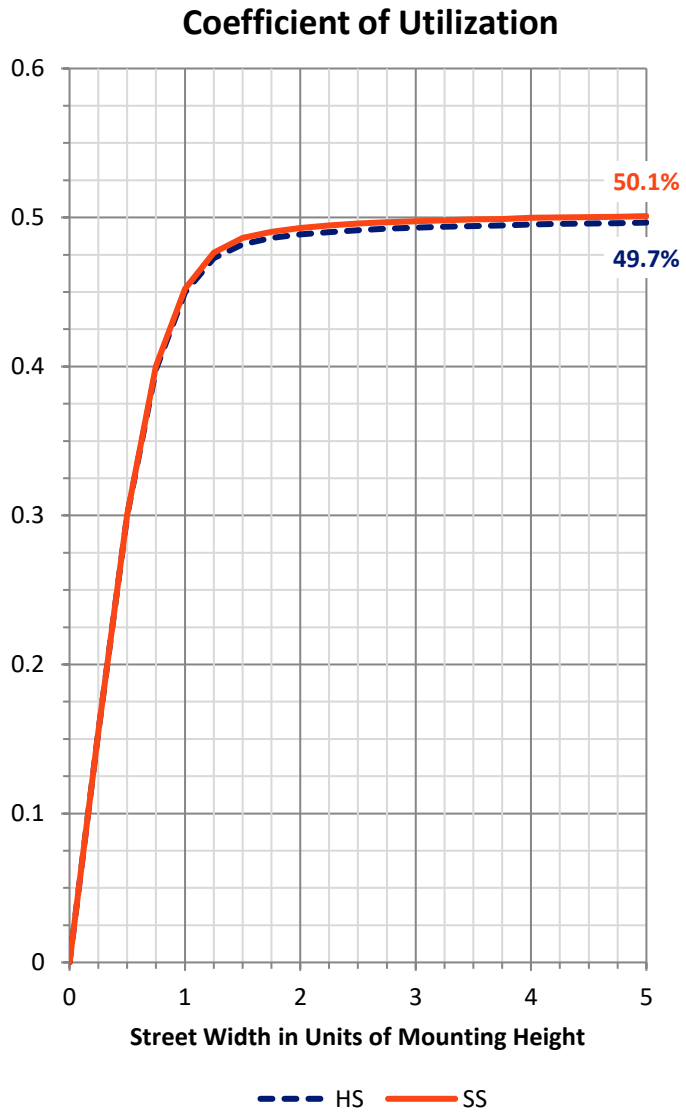
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	43853.0	0.0	43853.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	43853.0	0.0	43853.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	87706.0	0.0	87706.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1589.1	1.8
10°-20°	4858.8	5.5
20°-30°	8101.6	9.2
30°-40°	11142.3	12.7
40°-50°	13607.7	15.5
50°-60°	15738.8	17.9
60°-70°	18765.9	21.4
70°-80°	13097.4	14.9
80°-90°	804.5	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°	87706.0	100.0
0°-180°	87706.0	100.0



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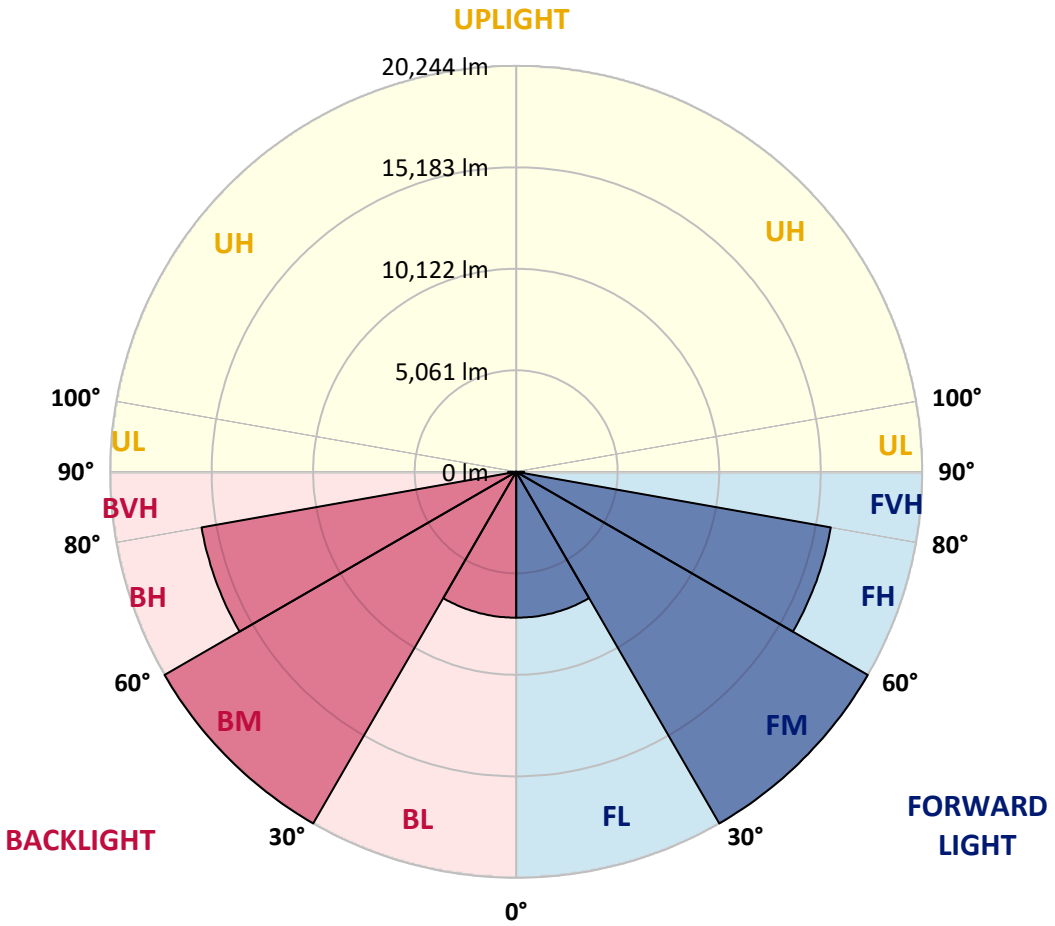
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	7274.8	8.3			
FM	(30°-60°)	20244.4	23.1			
FH	(60°-80°)	15931.6	18.2			G5
FVH	(80°-90°)	402.2	0.5			G3/500
BL	(0°-30°)	7274.8	8.3	B5		
BM	(30°-60°)	20244.4	23.1	B5		
BH	(60°-80°)	15931.6	18.2	B5		G5
BVH	(80°-90°)	402.2	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°	16388.8	16388.8	16388.8	16388.8	16388.8	16388.8	16388.8	16388.8	16388.8	16388.8
2.5°	16402.8	16421.4	16421.4	16407.4	16440.1	16412.1	16412.1	16398.1	16412.1	16398.1
5°	16486.7	16510.0	16519.3	16514.6	16556.6	16533.3	16533.3	16514.6	16519.3	16505.3
7.5°	16645.2	16677.8	16696.4	16719.7	16780.3	16752.4	16733.7	16677.8	16654.5	16617.2
10°	16696.4	16733.7	16794.3	16915.5	17055.3	17060.0	17004.1	16864.2	16757.0	16673.1
12.5°	16538.0	16589.2	16715.1	16962.1	17274.4	17400.3	17311.7	17078.7	16868.9	16719.7
15°	16337.5	16393.5	16584.6	16957.5	17418.9	17712.6	17703.3	17395.6	17060.0	16826.9
17.5°	16025.2	16081.2	16356.2	16878.2	17530.8	18015.6	18146.1	17829.1	17358.3	17046.0
20°	15461.2	15512.5	15894.7	16626.5	17568.1	18337.2	18677.4	18397.8	17810.5	17386.3
22.5°	14729.4	14808.6	15256.1	16193.0	17479.5	18672.8	19283.4	19092.3	18337.2	17749.9
25°	13946.3	14030.2	14552.3	15661.6	17251.1	18915.2	20001.2	19880.0	18933.8	18202.0
27.5°	13270.4	13359.0	13927.7	15134.9	16896.9	19008.4	20709.7	20770.3	19656.3	18700.7
30°	12739.1	12823.0	13428.9	14710.8	16440.1	18915.2	21329.7	21749.2	20392.8	19134.2
32.5°	12156.4	12263.6	12902.2	14193.4	15899.4	18691.4	21870.4	22807.3	21245.8	19600.4
35°	11419.9	11517.8	12189.0	13484.9	15190.9	18332.5	22322.5	23981.9	22467.0	20308.9
37.5°	10525.0	10618.2	11284.8	12599.2	14487.0	17829.1	22667.4	25305.7	23921.3	21329.7
40°	9625.4	9713.9	10338.5	11611.1	13643.3	17185.9	22788.6	26601.5	25590.0	22732.7
42.5°	8800.4	8879.6	9452.9	10636.9	12697.1	16365.5	22630.1	27729.5	27086.3	23711.5
45°	8040.6	8110.5	8618.6	9723.3	11713.6	15368.0	22154.7	28941.4	28866.8	24410.7
47.5°	7173.6	7243.5	7770.2	8837.6	10730.1	14198.0	21348.3	30134.7	31341.9	25995.5
50°	6115.5	6176.1	6716.8	7816.8	9709.3	12953.5	20229.6	31071.6	34464.9	28396.1
52.5°	4861.6	4926.9	5453.6	6553.7	8497.4	11615.7	18756.7	31682.2	38072.7	31901.3
55°	3617.1	3663.7	4120.5	5108.7	6996.5	10091.5	16910.8	31854.7	42165.2	36693.0
57.5°	2624.3	2652.2	2945.9	3682.4	5304.4	8185.1	14668.8	31407.2	47036.2	42836.5
60°	2125.5	2134.8	2223.4	2549.7	3687.0	6031.6	11960.6	29869.0	52322.0	50755.8
62.5°	1929.7	1929.7	1953.0	2041.6	2493.7	3980.7	8683.8	26680.7	57990.0	60763.5
65°	1794.6	1794.6	1803.9	1845.8	1967.0	2535.7	5481.6	21488.1	62767.8	72486.4
67.5°	1673.4	1678.0	1673.4	1687.4	1757.3	1873.8	3178.9	14841.3	65340.8	84633.5
70°	1547.5	1556.8	1533.5	1533.5	1589.5	1594.1	1990.3	8138.5	63205.9	94813.5
72.5°	*1398.4*	*1412.3*	*1375.1*	*1365.7*	*1407.7*	*1389.0*	*1496.2*	*3906.1*	*54265.7*	*97852.6*
75°	1267.8	1286.5	1202.6	1179.3	1179.3	1165.3	1216.6	2004.3	35220.1	79823.1
77.5°	1151.3	1188.6	1053.4	978.9	960.2	918.3	992.8	1225.9	15405.3	37476.1
80°	950.9	1002.2	867.0	778.4	745.8	699.2	783.1	857.7	4582.0	8702.5
82.5°	708.5	731.8	615.3	554.7	526.7	494.1	587.3	596.6	1491.6	3081.1
85°	452.1	461.5	377.6	326.3	312.3	298.3	372.9	326.3	568.7	2265.3
87.5°	158.5	181.8	144.5	130.5	139.8	116.5	172.5	97.9	158.5	1598.8
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°
16388.8
16398.1
16505.3
16617.2
16659.1
16696.4
16789.7
16994.7
17307.0
17642.7
18052.8
18542.3
18905.8
19311.4
19987.2
20900.8
22275.9
23124.2
23618.3
25081.9
27249.4
30488.9
34926.4
40613.1
47954.5
57011.2
67741.3
79510.8
93466.5
101395.2
85379.3
36697.7
8334.2
3481.9
3290.8
1981.0
0.0

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