

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: P945089

Luminaire Tested: **GALN-SB1A-927-U-SL3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945089
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1A-927-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2200 lumens
Efficiency: N/A
Efficacy: 71.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

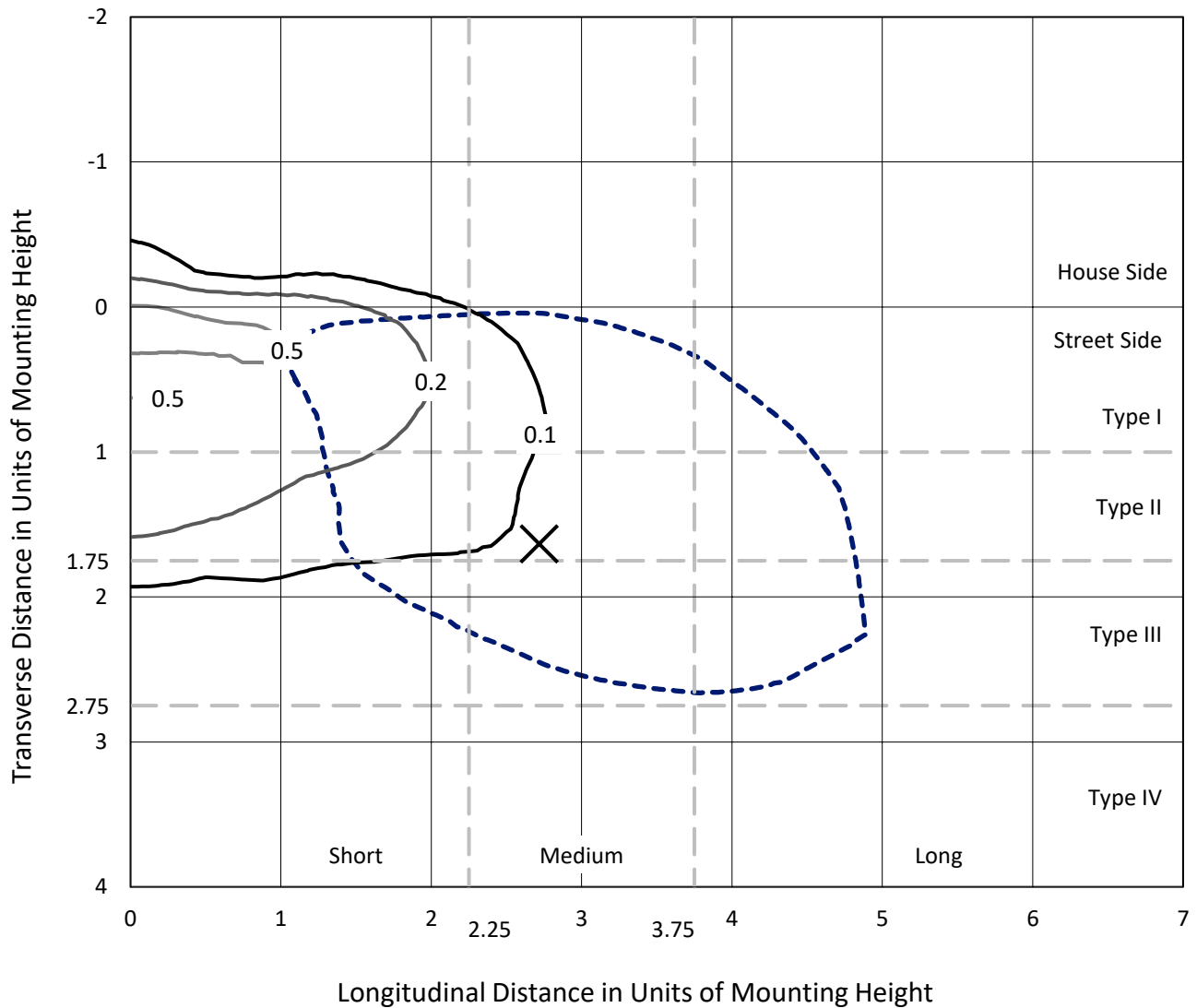
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

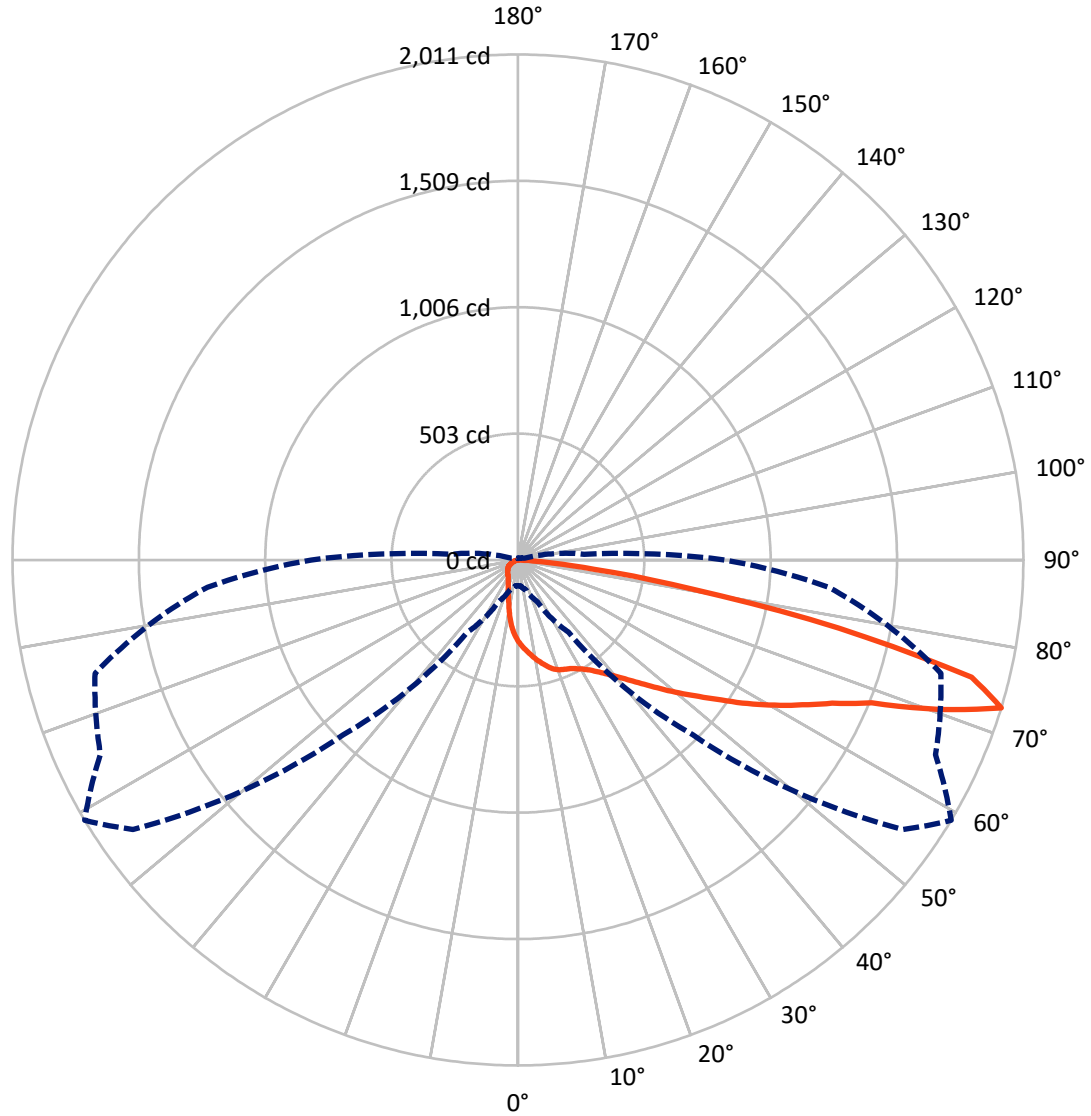
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	232.4	0.0	232.4
	% Fixture	10.6	0.0	10.6
Street Side	Lumens	1967.6	0.0	1967.6
	% Fixture	89.4	0.0	89.4
Total	Lumens	2200.0	0.0	2200.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.4	1.3
10°-20°	78.2	3.6
20°-30°	123.9	5.6
30°-40°	198.8	9.0
40°-50°	317.6	14.4
50°-60°	459.8	20.9
60°-70°	545.7	24.8
70°-80°	405.1	18.4
80°-90°	41.4	1.9
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°	2200.0	100.0
0°-180°	2200.0	100.0

Coefficient of Utilization



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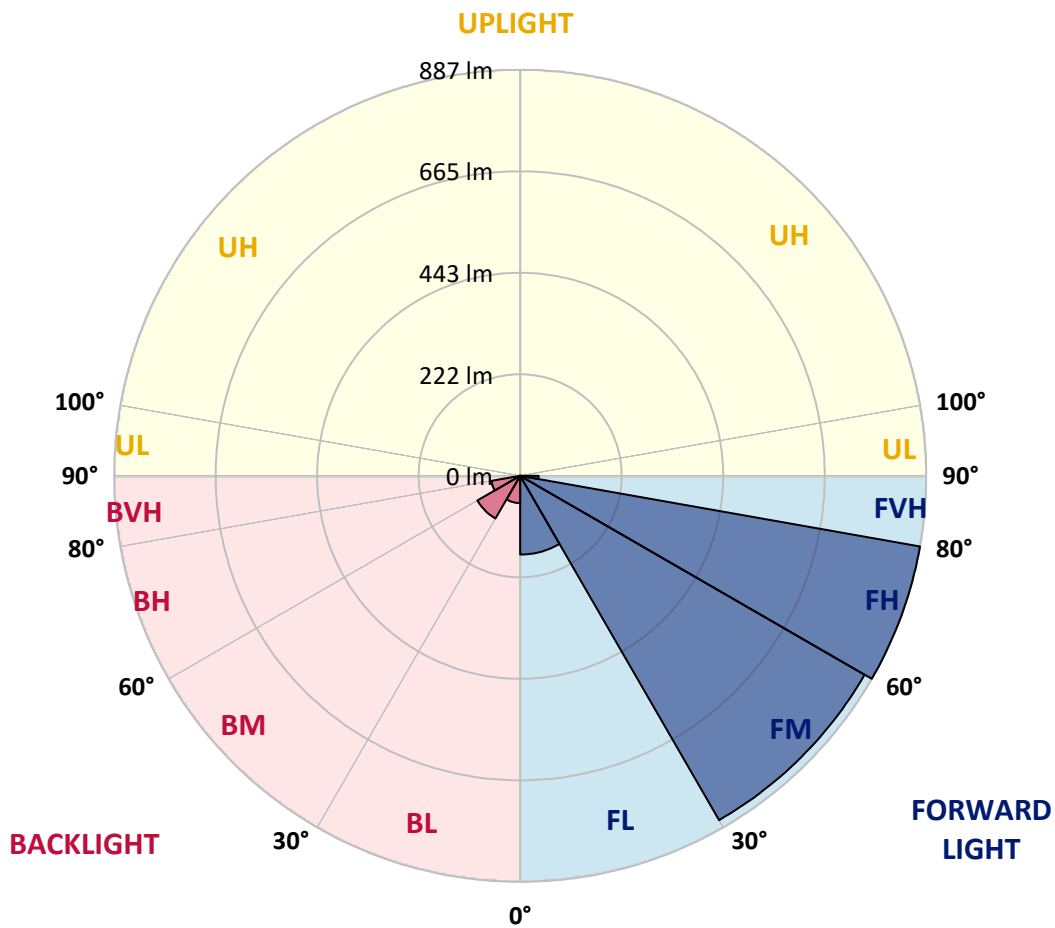
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	172.0	7.8			
FM (30°-60°)	868.5	39.5			
FH (60°-80°)	886.7	40.3			G1/1800
FVH (80°-90°)	40.4	1.8			G1/100
BL (0°-30°)	59.5	2.7	B0/110		
BM (30°-60°)	107.7	4.9	B0/220		
BH (60°-80°)	64.1	2.9	B0/110		G0/110
BVH (80°-90°)	1.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	325.3	325.3	325.3	325.3	325.3	325.3	325.3	325.3	325.3	325.3
2.5°	360.9	358.9	359.2	355.8	353.3	350.8	345.7	345.0	341.4	335.1
5°	392.4	391.1	390.0	386.1	381.1	374.7	366.3	363.2	356.6	345.7
7.5°	415.4	413.8	414.4	410.5	406.5	399.4	387.8	382.2	373.4	356.8
10°	419.8	419.0	422.7	424.1	424.1	419.7	408.3	402.7	390.0	368.7
12.5°	394.8	395.0	404.3	415.5	430.2	434.3	426.7	420.7	408.1	381.3
15°	365.7	365.8	374.9	389.2	413.2	437.2	443.2	439.4	426.3	395.0
17.5°	348.2	347.4	353.5	365.3	390.4	424.1	453.3	455.9	445.3	410.1
20°	345.7	344.4	347.6	353.5	371.4	407.8	454.5	466.7	464.8	427.2
22.5°	360.7	358.7	356.9	357.2	364.8	394.1	451.6	472.7	484.9	447.7
25°	390.2	387.1	381.5	374.3	372.7	391.3	449.6	479.3	503.6	474.0
27.5°	426.4	422.0	411.2	400.4	391.3	399.3	453.7	489.8	524.7	504.6
30°	466.2	460.8	450.0	429.6	415.0	417.3	463.6	503.6	551.7	539.2
32.5°	524.7	512.0	493.2	462.1	442.7	436.6	478.6	521.1	585.2	585.3
35°	574.8	567.8	548.8	510.0	470.3	462.4	498.3	545.8	631.6	646.3
37.5°	607.7	598.1	581.4	552.3	513.1	488.8	524.5	576.1	680.7	715.9
40°	644.5	635.0	612.9	585.4	562.8	534.2	557.7	611.0	734.5	787.2
42.5°	688.9	676.5	650.4	620.8	597.1	593.9	601.1	654.5	789.8	864.8
45°	741.0	729.4	699.3	662.0	641.2	635.6	655.7	705.2	851.5	949.8
47.5°	789.8	776.3	744.0	710.0	686.9	669.2	713.7	765.1	921.3	1038.8
50°	831.3	817.6	788.0	751.6	736.0	712.8	770.7	831.9	990.5	1129.1
52.5°	859.8	847.6	812.8	788.1	777.5	765.8	837.5	902.7	1059.4	1211.8
55°	853.3	842.4	811.8	810.1	809.4	821.6	917.4	983.0	1129.7	1290.1
57.5°	832.8	820.4	782.2	808.5	833.9	871.3	1003.8	1078.0	1206.7	1363.9
60°	772.3	768.0	744.7	805.5	844.3	920.0	1102.7	1173.3	1290.0	1428.9
62.5°	644.3	648.1	647.9	811.8	862.9	975.4	1192.4	1269.9	1371.4	1491.3
65°	482.5	495.4	511.9	754.9	887.9	1074.4	1299.7	1374.6	1454.1	1564.0
67.5°	324.2	334.5	345.7	619.3	813.5	1178.4	1478.0	1518.1	1553.2	1644.6
70°	185.6	188.9	204.5	386.8	627.1	1149.6	1768.3	1782.8	1701.0	1743.8
72.5°	104.0	102.8	123.5	183.6	350.5	984.5	1870.0	2011.4	1833.3	1742.3
75°	69.5	69.7	85.0	115.8	136.6	689.1	1611.4	1865.1	1754.0	1544.9
77.5°	47.4	49.0	62.5	89.5	63.2	336.2	1066.0	1306.5	1420.1	1193.0
80°	20.5	20.7	41.2	64.2	42.7	107.0	552.7	699.9	890.7	669.9
82.5°	10.6	12.1	26.3	41.5	26.9	37.5	261.1	305.8	373.7	196.6
85°	3.7	4.5	16.2	20.4	13.5	13.4	90.9	92.6	79.1	29.6
87.5°	0.0	0.7	6.3	5.0	1.7	1.6	10.8	9.0	7.2	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
325.3	0°	325.3	325.3	325.3	325.3	325.3	325.3	325.3	325.3	325.3	325.3
328.6	2.5°	325.6	321.7	315.4	307.7	298.6	293.7	286.7	282.4	278.5	278.6
333.1	5°	326.0	319.6	303.5	286.4	267.4	253.5	238.0	227.1	218.8	216.7
337.7	7.5°	327.3	316.4	290.1	261.7	230.1	206.7	185.3	171.8	164.2	162.2
342.4	10°	329.1	313.0	275.1	231.5	192.3	164.2	146.4	137.7	134.3	131.7
348.5	12.5°	330.5	309.4	256.1	200.4	158.7	136.7	123.2	116.1	113.0	111.2
355.5	15°	332.9	304.6	235.6	171.4	136.0	118.1	105.3	100.0	99.1	99.4
363.2	17.5°	335.4	300.0	212.6	148.7	119.4	101.7	93.9	93.1	94.2	95.4
372.2	20°	338.1	293.4	189.3	131.6	104.0	90.3	88.3	88.9	89.5	91.5
384.4	22.5°	342.1	285.1	168.9	117.1	91.2	84.9	83.9	84.3	84.7	86.8
400.4	25°	347.9	276.2	152.4	103.7	83.2	80.4	79.4	79.4	80.0	81.9
419.1	27.5°	353.9	263.6	139.0	91.4	78.4	75.6	73.8	73.8	74.5	76.7
442.5	30°	360.7	252.1	128.6	82.2	74.4	70.7	68.4	67.8	68.7	71.4
476.4	32.5°	372.9	244.6	121.1	77.8	70.8	66.2	63.1	61.5	62.3	65.5
523.8	35°	391.4	242.9	115.9	75.7	67.4	62.2	57.7	55.3	56.0	59.3
582.3	37.5°	413.1	246.5	110.9	72.8	64.1	58.3	52.4	49.3	50.4	53.4
649.1	40°	444.3	261.4	107.0	70.7	60.8	53.7	47.1	44.0	45.8	48.4
718.6	42.5°	481.9	288.0	106.0	68.7	56.7	48.8	42.2	39.9	41.4	43.8
788.8	45°	528.6	321.9	110.6	66.1	52.3	44.1	38.3	37.1	37.5	39.9
855.2	47.5°	578.7	356.6	123.2	63.8	48.4	40.2	35.3	34.2	33.9	36.2
915.8	50°	629.4	387.5	138.2	62.0	45.7	37.1	33.0	31.6	30.9	32.3
975.7	52.5°	679.5	412.1	147.9	59.2	42.9	33.9	31.0	28.9	27.6	28.3
1035.3	55°	730.4	433.6	148.5	54.9	40.4	31.9	29.0	26.6	25.0	25.0
1092.8	57.5°	777.9	452.6	140.0	49.1	36.8	30.0	26.3	24.3	22.6	22.0
1143.7	60°	820.0	466.7	126.0	42.7	33.6	27.6	23.6	22.0	19.8	18.7
1189.1	62.5°	857.5	473.6	106.7	36.1	29.7	24.7	21.0	19.2	16.4	14.9
1235.2	65°	889.2	466.5	86.6	29.9	26.4	21.5	18.0	16.2	13.1	11.3
1287.1	67.5°	920.7	434.3	65.5	25.1	23.0	18.1	14.8	13.2	10.9	9.5
1324.9	70°	924.7	366.7	45.8	21.1	19.1	13.9	11.9	10.9	8.9	7.6
1240.6	72.5°	823.2	263.9	27.9	17.2	14.9	9.9	9.5	8.6	6.6	5.7
1013.6	75°	658.0	161.7	16.4	12.9	9.9	7.0	7.0	6.2	4.5	3.7
699.8	77.5°	454.7	84.6	9.6	8.3	5.9	4.2	4.6	3.7	2.2	1.7
277.2	80°	182.1	32.2	5.2	3.9	2.7	1.9	1.6	0.9	0.4	0.3
56.9	82.5°	36.3	8.5	1.7	1.0	1.0	0.4	0.0	0.0	0.0	0.0
15.7	85°	9.3	1.9	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.0
5.2	87.5°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

<u>180°</u>
325.3
281.8
219.8
164.2
133.3
112.2
99.8
95.8
92.1
87.3
82.6
77.6
72.1
66.4
60.3
54.3
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