

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: P938837

Luminaire Tested: **GALN-SB1A-927-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938837
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
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-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2733 lumens
Efficiency: N/A
Efficacy: 88.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

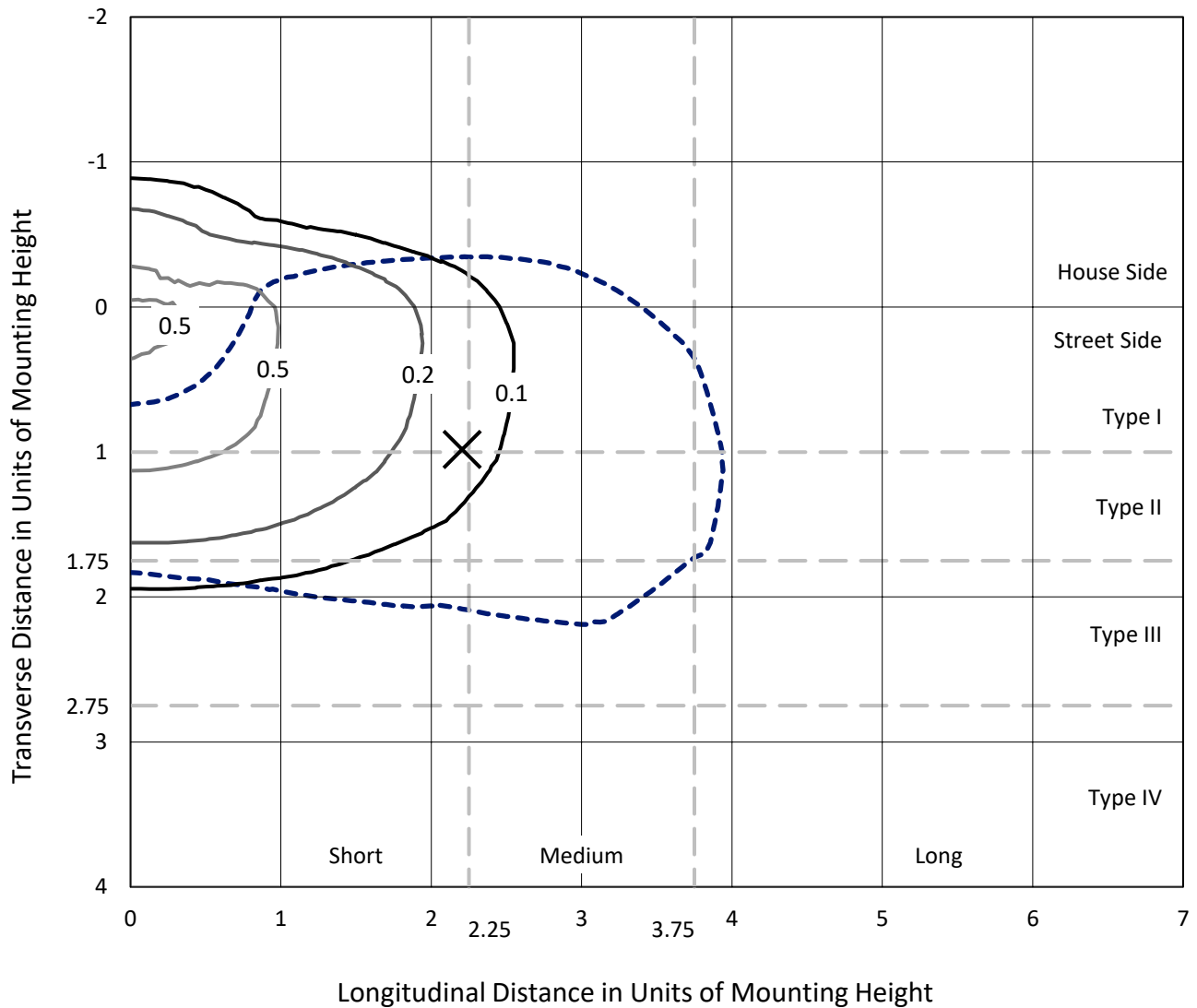
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

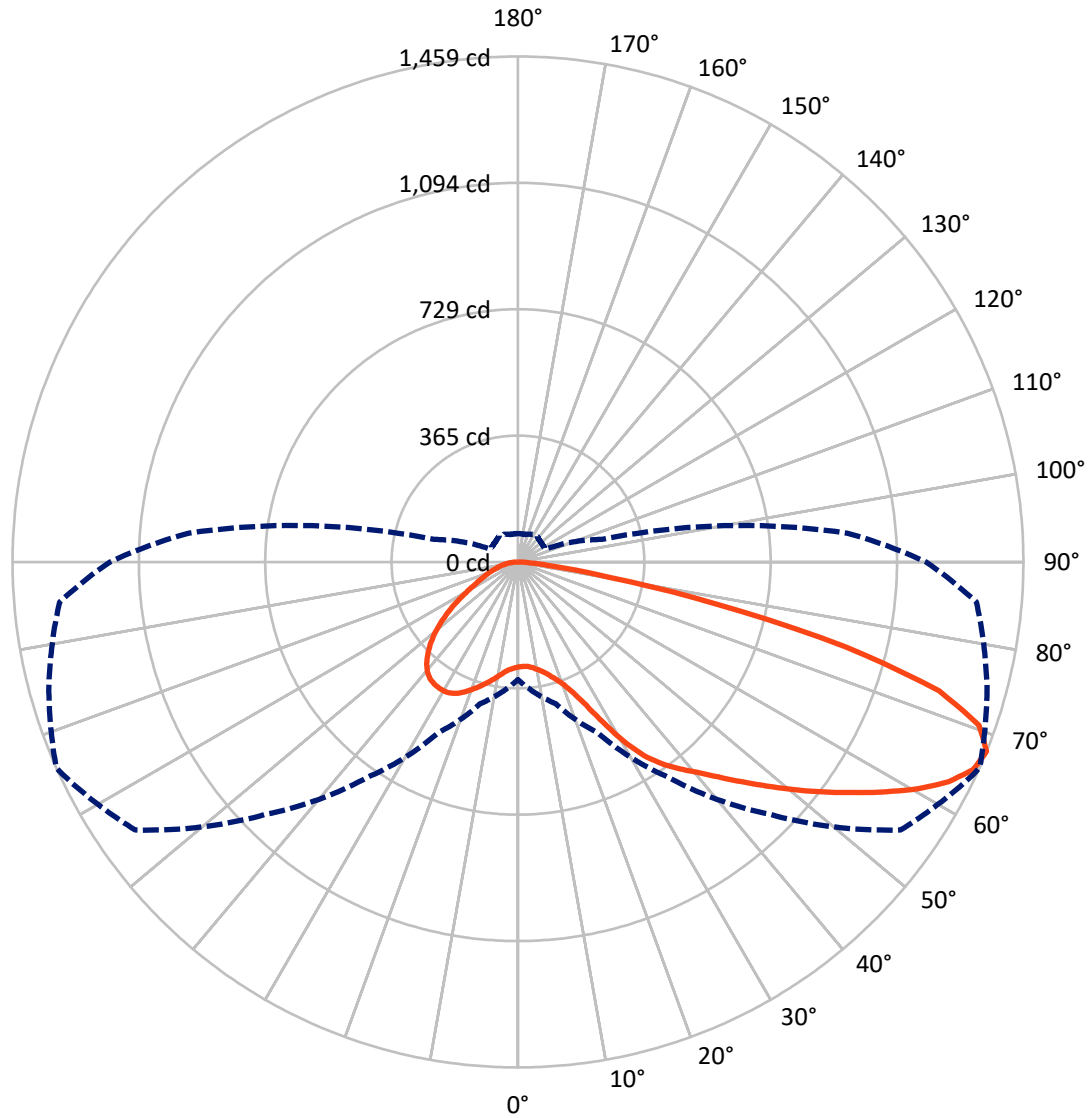
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	679.6	0.0	679.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	2053.5	0.0	2053.5
	% Fixture	75.1	0.0	75.1
Total	Lumens	2733.0	0.0	2733.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.1	1.1
10°-20°	99.3	3.6
20°-30°	191.4	7.0
30°-40°	335.6	12.3
40°-50°	498.9	18.3
50°-60°	632.4	23.1
60°-70°	618.8	22.6
70°-80°	295.2	10.8
80°-90°	31.5	1.2
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°	2733.0	100.0
0°-180°	2733.0	100.0

Coefficient of Utilization



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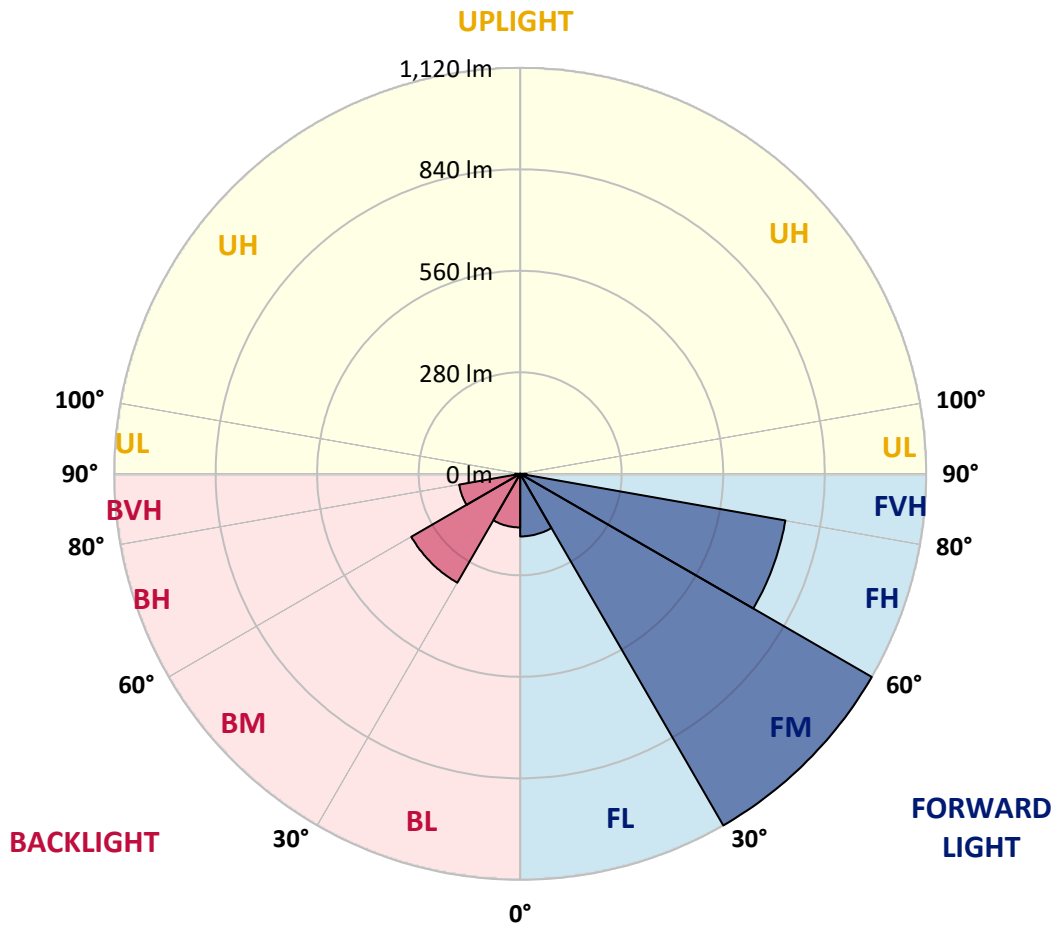
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	172.7	6.3			
FM (30°-60°)	1120.0	41.0			
FH (60°-80°)	742.9	27.2			G1/1800
FVH (80°-90°)	17.9	0.7			G1/100
BL (0°-30°)	148.0	5.4	B1/500		
BM (30°-60°)	346.9	12.7	B1/1000		
BH (60°-80°)	171.0	6.3	B1/500		G1/500
BVH (80°-90°)	13.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	303.1	303.1	303.1	303.1	303.1	303.1	303.1	303.1	303.1	303.1
2.5°	300.0	301.7	301.3	300.5	300.4	300.7	301.1	301.5	301.4	302.1
5°	299.1	300.8	300.7	300.7	301.3	302.4	303.1	303.8	303.1	304.0
7.5°	299.7	301.0	301.5	302.1	303.6	305.7	307.4	309.0	308.2	309.2
10°	307.0	308.0	308.6	308.6	309.6	312.0	313.8	316.6	315.9	317.5
12.5°	320.4	321.4	321.4	320.8	321.5	323.1	323.7	326.8	325.5	328.1
15°	336.7	338.7	337.2	336.2	336.4	338.0	337.9	340.3	339.0	341.2
17.5°	354.8	357.4	354.8	354.7	354.1	355.8	356.0	358.1	355.8	357.4
20°	376.2	379.8	377.7	378.4	377.1	377.8	378.5	381.7	378.1	379.2
22.5°	406.4	410.7	408.4	411.1	410.2	409.7	409.5	415.1	409.5	410.0
25°	450.3	455.5	451.5	455.2	455.2	457.1	459.2	466.4	457.1	454.3
27.5°	515.2	520.4	512.5	514.8	514.1	518.7	516.4	534.2	524.1	519.7
30°	593.3	602.5	587.6	587.0	586.3	593.6	596.9	608.7	598.5	594.0
32.5°	677.8	687.4	669.6	664.4	661.7	666.1	663.4	672.9	665.8	659.0
35°	767.1	776.6	759.6	749.6	738.6	729.3	719.5	722.0	715.4	704.9
37.5°	851.5	868.9	850.9	840.2	820.1	801.8	774.5	763.2	757.0	747.4
40°	937.5	947.4	933.8	924.6	902.8	874.2	830.5	806.6	798.2	788.9
42.5°	1000.8	1010.3	1003.0	996.7	979.6	946.4	890.0	860.0	847.9	837.4
45°	1051.1	1058.1	1053.5	1055.8	1048.5	1016.4	951.6	917.3	904.8	892.0
47.5°	1071.4	1078.8	1086.1	1099.8	1112.3	1088.6	1017.8	979.3	966.1	953.0
50°	1069.1	1076.7	1097.9	1126.9	1165.7	1157.8	1087.6	1045.4	1033.2	1018.2
52.5°	1050.7	1059.3	1086.6	1134.8	1196.6	1209.6	1158.7	1113.6	1102.1	1084.3
55°	1002.4	1007.6	1048.5	1116.9	1203.9	1245.8	1228.3	1186.2	1174.7	1149.9
57.5°	913.0	920.4	980.0	1068.5	1185.5	1270.4	1289.5	1262.6	1251.6	1215.8
60°	796.2	808.1	876.4	987.2	1138.7	1270.2	1345.0	1337.7	1328.5	1280.7
62.5°	664.1	677.9	743.5	872.3	1056.8	1234.2	1379.8	1400.6	1395.9	1340.6
65°	510.0	519.5	584.9	723.7	929.5	1156.8	1383.8	1443.5	1444.4	1386.1
67.5°	339.6	366.9	423.6	543.1	758.9	1030.3	1348.5	1450.6	1458.9	1401.8
70°	165.7	201.6	257.2	353.0	543.1	836.3	1256.2	1392.9	1411.4	1356.1
72.5°	68.8	80.4	110.7	174.2	311.7	564.3	1070.6	1236.3	1270.7	1201.6
75°	46.4	50.3	63.3	89.3	142.0	278.3	772.1	921.9	977.2	907.5
77.5°	35.8	38.2	46.1	62.5	84.4	105.3	413.3	555.6	584.1	540.8
80°	28.1	30.0	34.5	45.5	59.9	56.3	140.9	251.7	268.2	225.0
82.5°	24.4	25.1	24.7	30.9	39.8	32.9	46.2	92.9	102.5	74.4
85°	17.7	19.7	20.5	19.1	21.1	16.7	19.0	32.9	36.2	32.3
87.5°	7.2	10.6	13.1	12.3	7.8	4.7	5.9	9.6	11.1	12.1
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°
303.1	0°	303.1	303.1	303.1	303.1	303.1	303.1	303.1	303.1	303.1	303.1
303.3	2.5°	303.4	304.4	305.1	306.0	306.6	307.4	309.2	310.2	310.3	311.0
305.6	5°	306.1	307.6	309.2	311.5	314.0	316.2	319.5	321.8	322.7	323.4
311.2	7.5°	312.0	314.0	316.9	320.9	324.7	327.5	331.6	334.3	337.0	338.0
320.1	10°	320.8	323.7	327.8	333.3	337.3	341.0	345.2	347.5	350.2	351.4
330.7	12.5°	331.7	334.7	340.2	347.8	351.5	354.1	355.5	355.0	355.5	356.5
343.5	15°	344.2	347.5	353.7	361.9	364.4	362.1	359.0	356.1	355.7	356.0
359.0	17.5°	359.0	361.4	368.6	375.5	373.6	364.2	357.3	352.7	350.4	349.7
378.8	20°	379.7	379.7	385.5	389.9	377.4	361.3	350.5	343.0	338.3	336.3
405.8	22.5°	404.8	402.5	406.2	403.2	376.6	353.2	338.3	325.4	318.2	315.3
443.6	25°	436.7	433.9	432.9	414.3	371.5	340.5	316.2	300.5	294.2	292.6
498.0	27.5°	484.8	477.9	464.8	420.3	362.0	320.4	290.3	275.8	272.3	272.4
567.9	30°	548.8	535.0	503.0	421.3	346.5	291.9	263.9	253.6	251.9	252.6
626.6	32.5°	608.1	595.1	542.1	416.7	322.7	264.1	240.2	233.3	230.8	231.6
671.4	35°	654.6	651.1	578.3	410.2	293.4	237.9	219.0	213.1	208.1	206.9
713.7	37.5°	698.6	697.1	605.4	401.2	264.4	219.4	201.9	194.1	186.8	182.8
760.3	40°	746.8	745.4	623.2	387.3	238.7	203.3	186.5	176.3	167.3	160.0
813.2	42.5°	801.1	792.6	631.7	367.3	216.8	189.7	174.0	160.3	148.3	141.6
872.9	45°	860.4	841.3	631.5	341.9	198.4	177.2	160.7	141.2	130.1	123.8
934.2	47.5°	923.3	887.8	623.8	313.8	180.6	163.4	140.0	125.1	117.7	113.9
1000.8	50°	988.2	931.3	610.6	281.4	162.4	147.8	127.1	116.9	111.3	107.7
1066.9	52.5°	1049.2	970.8	594.6	244.8	143.9	132.5	121.3	113.4	107.6	103.5
1130.9	55°	1106.0	1004.9	572.1	207.3	128.8	122.3	118.6	112.0	105.3	100.5
1196.0	57.5°	1156.4	1027.0	533.2	172.2	118.0	115.3	115.7	109.6	101.8	97.8
1260.0	60°	1198.3	1043.2	475.6	139.6	109.3	108.4	111.3	105.0	95.9	91.3
1314.2	62.5°	1223.4	1042.9	404.9	114.3	101.8	102.1	105.4	99.2	90.0	85.7
1342.5	65°	1221.3	1017.4	327.4	97.8	94.6	94.9	99.2	92.9	85.2	82.6
1328.2	67.5°	1178.0	955.0	251.1	87.0	86.7	88.0	93.0	88.6	82.1	81.8
1243.5	70°	1061.0	825.7	180.9	78.4	78.5	80.4	87.0	85.9	80.6	81.1
1045.5	72.5°	850.8	629.5	121.5	69.4	69.5	72.5	81.3	83.7	79.0	86.6
741.8	75°	566.6	392.6	78.1	59.7	59.9	63.8	76.2	79.6	74.7	86.3
386.0	77.5°	272.3	176.5	56.6	50.3	50.3	53.8	65.9	71.2	63.6	67.1
124.1	80°	94.1	66.3	44.5	40.5	39.6	42.1	55.6	61.7	54.9	50.5
40.5	82.5°	37.0	34.5	35.8	31.4	28.6	30.2	43.2	51.0	40.3	36.5
22.8	85°	21.3	22.4	25.3	20.8	16.5	18.5	31.7	36.6	30.4	26.9
7.5	87.5°	5.7	7.9	11.6	10.8	7.5	7.9	15.1	20.2	17.5	13.5
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>
303.1
310.9
323.2
338.2
351.9
356.8
357.0
350.7
335.9
314.9
292.9
272.8
255.0
232.8
207.8
182.9
160.7
142.0
123.5
113.0
106.4
101.8
98.6
95.2
89.3
84.4
82.4
82.3
81.0
87.7
87.0
61.5
47.4
36.3
27.4
13.9
0.0

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