

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: P945151

Luminaire Tested: **GALN-SB1A-940-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945151
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1A-940-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 4000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3232 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

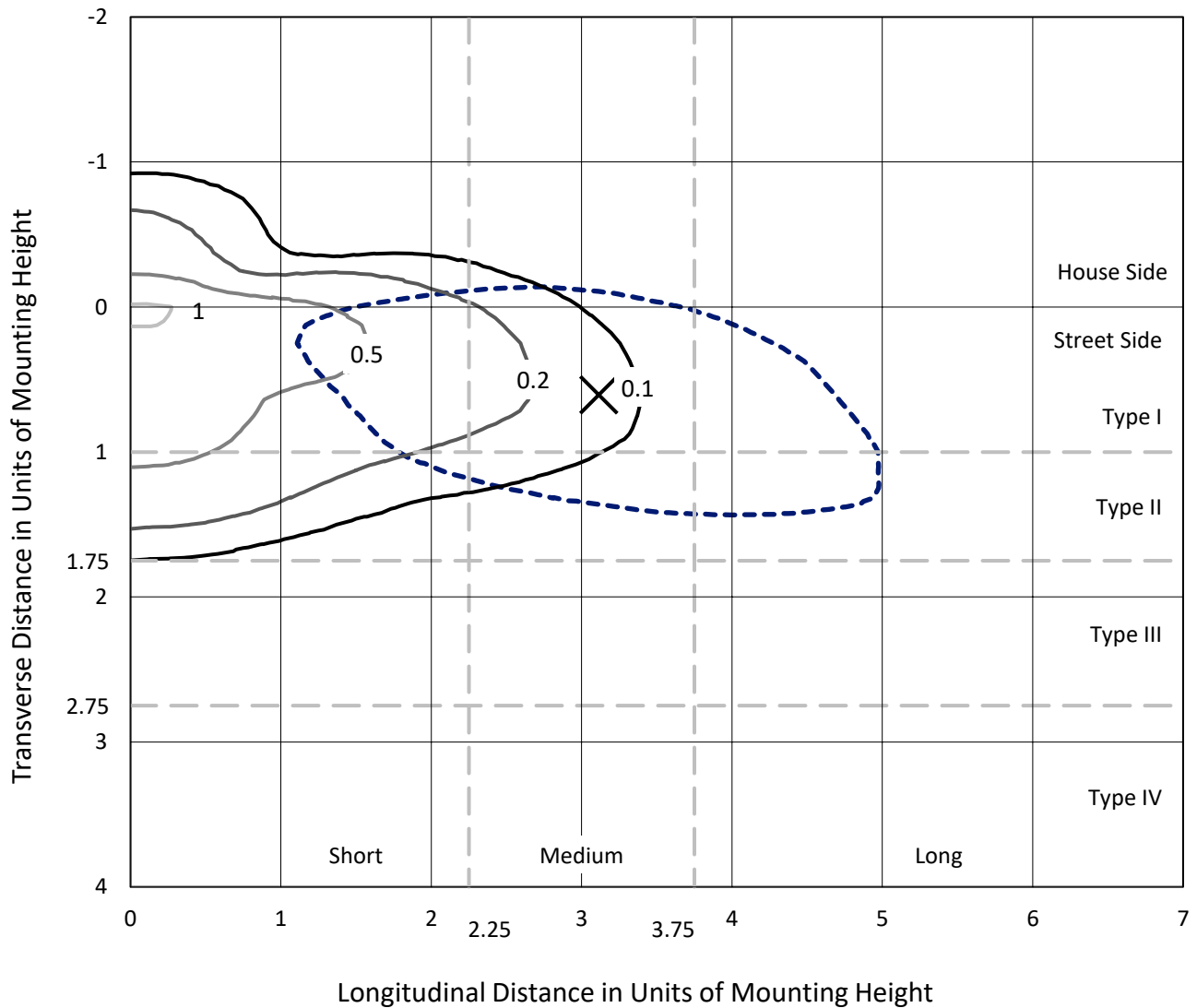
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

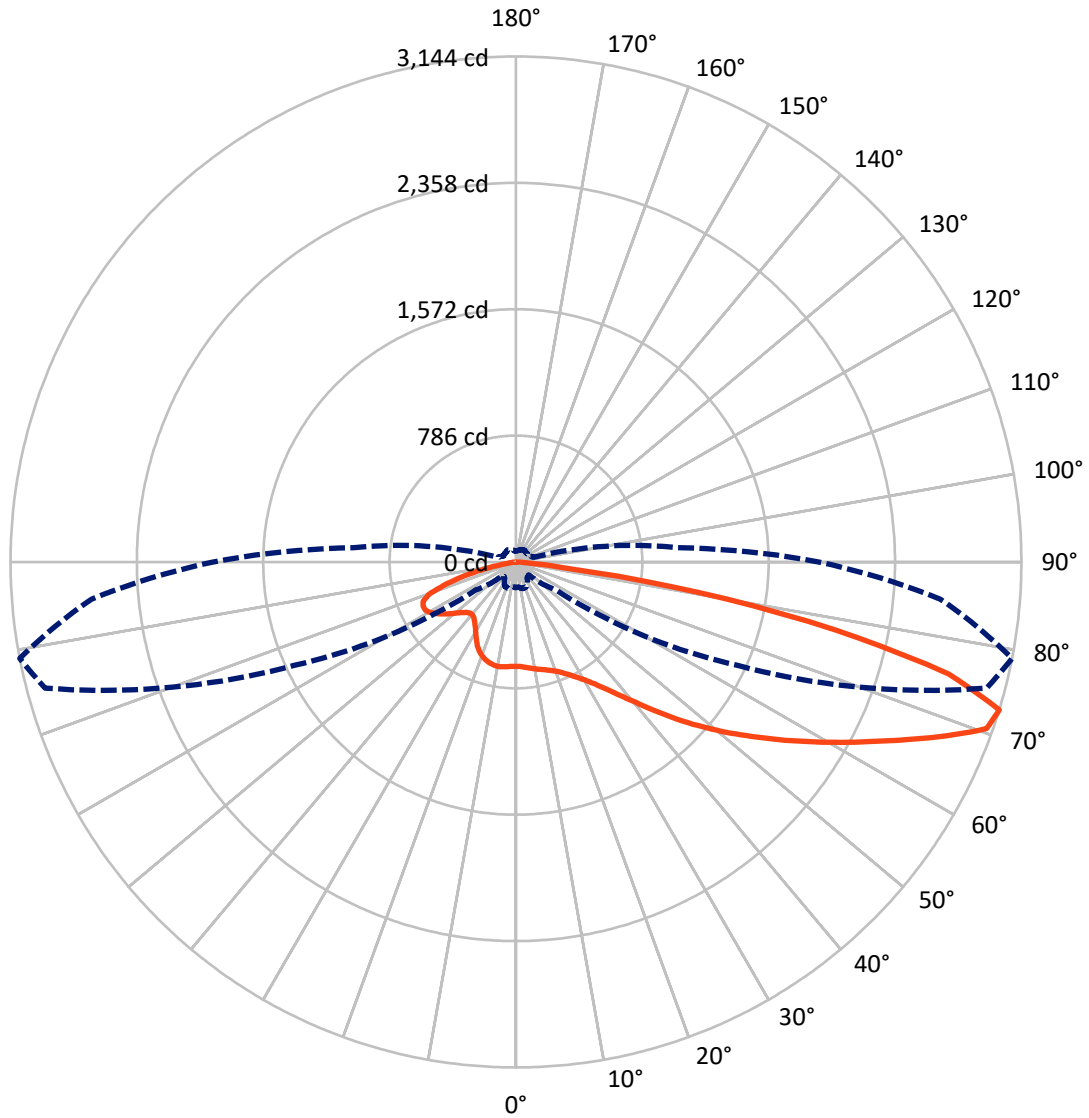
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	711.2	0.0	711.2
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	2520.8	0.0	2520.8
	% Fixture	78.0	0.0	78.0
Total	Lumens	3232.0	0.0	3232.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.9	1.8
10°-20°	154.0	4.8
20°-30°	248.4	7.7
30°-40°	372.9	11.5
40°-50°	529.0	16.4
50°-60°	668.0	20.7
60°-70°	678.5	21.0
70°-80°	462.4	14.3
80°-90°	60.0	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°	3232.0	100.0
0°-180°	3232.0	100.0

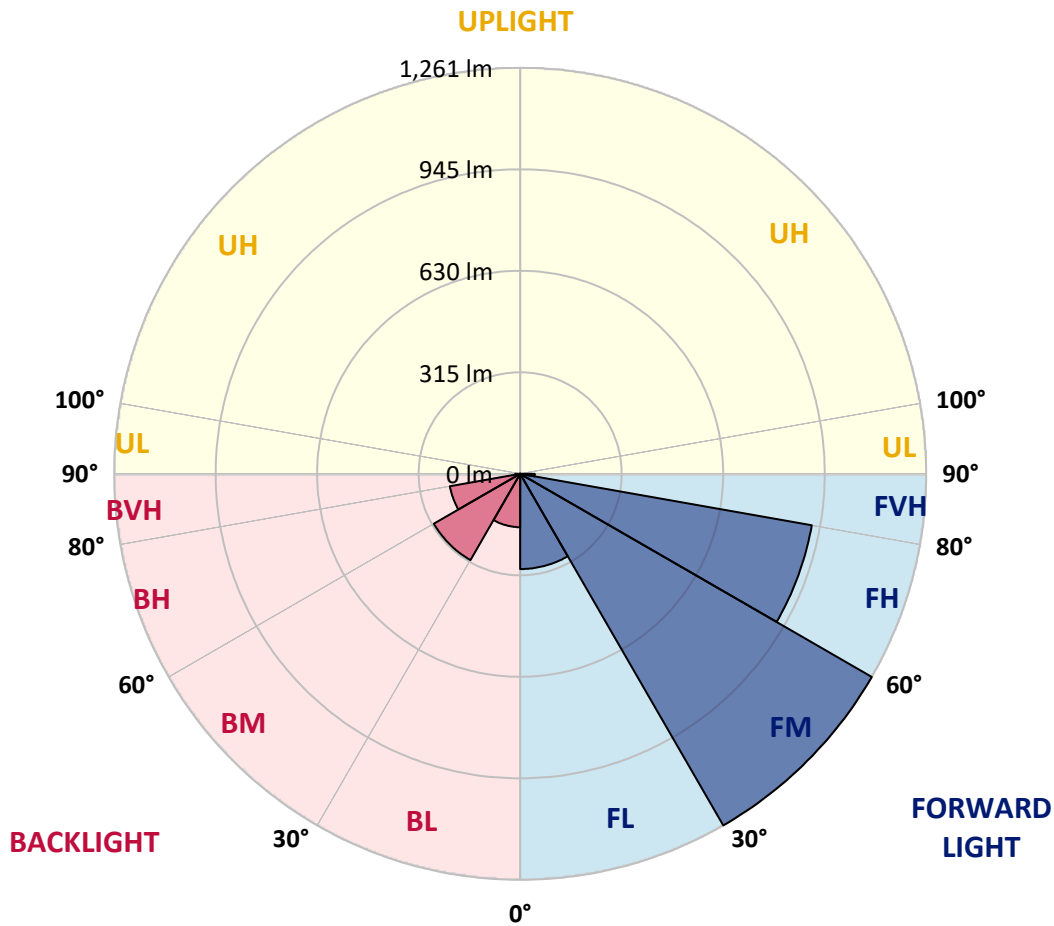


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	295.6	9.1			
FM (30°-60°)	1260.5	39.0			
FH (60°-80°)	919.4	28.4			G1/1800
FVH (80°-90°)	45.2	1.4			G1/100
BL (0°-30°)	165.7	5.1	B1/500		
BM (30°-60°)	309.3	9.6	B1/1000		
BH (60°-80°)	221.5	6.9	B1/500		G1/500
BVH (80°-90°)	14.8	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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	648.8	648.8	648.8	648.8	648.8	648.8	648.8	648.8	648.8	648.8
2.5°	649.1	646.1	647.9	647.3	648.1	649.1	649.5	650.0	651.7	651.5
5°	647.8	644.7	647.3	646.4	648.6	651.0	653.1	654.9	657.7	658.9
7.5°	644.9	642.8	645.4	647.9	652.0	655.6	658.5	662.8	666.7	667.4
10°	627.9	626.4	632.4	639.0	650.3	660.1	666.4	671.4	675.6	676.3
12.5°	610.3	608.4	615.1	624.2	642.5	660.1	673.4	679.9	683.7	685.9
15°	607.4	605.9	609.6	617.5	632.7	655.5	678.2	690.2	693.4	696.0
17.5°	621.4	618.5	620.1	622.8	631.7	651.2	682.0	701.8	706.7	709.5
20°	653.9	649.8	647.4	642.0	640.4	651.9	681.6	715.8	722.3	725.7
22.5°	697.2	694.4	689.3	675.5	660.4	660.2	688.1	733.8	745.9	749.1
25°	749.5	745.4	738.9	720.1	691.2	676.8	699.1	756.7	777.0	777.9
27.5°	809.7	803.5	794.6	769.8	730.9	702.8	715.8	783.0	812.7	812.4
30°	873.1	866.9	857.5	827.4	778.4	737.9	739.1	811.4	855.1	853.3
32.5°	919.4	914.8	912.9	889.7	833.1	779.2	765.7	842.8	907.5	905.7
35°	955.0	949.0	951.2	939.4	892.8	825.6	798.4	880.3	971.1	970.9
37.5°	990.2	984.9	986.8	978.9	948.0	884.4	838.2	926.1	1049.9	1053.6
40°	1022.3	1016.7	1024.2	1016.9	990.9	946.9	883.5	977.9	1141.2	1148.3
42.5°	1041.7	1037.2	1049.7	1049.9	1028.2	999.8	933.3	1035.0	1246.8	1262.9
45°	1048.3	1046.8	1065.6	1069.5	1061.1	1030.4	978.1	1097.2	1360.7	1389.4
47.5°	1041.1	1038.2	1064.2	1078.8	1085.4	1044.7	1015.2	1164.6	1476.9	1519.0
50°	1004.9	999.3	1037.9	1068.5	1092.3	1054.1	1052.6	1242.4	1609.1	1655.1
52.5°	939.8	935.5	979.4	1032.6	1077.2	1058.8	1094.7	1327.3	1734.6	1794.1
55°	856.5	850.9	899.2	968.7	1039.8	1057.2	1136.7	1422.4	1882.6	1943.0
57.5°	724.5	713.2	774.4	856.5	978.7	1055.3	1180.5	1516.9	2033.1	2105.4
60°	532.0	515.3	590.3	687.6	859.4	1037.0	1234.7	1622.9	2213.6	2278.7
62.5°	309.8	300.0	349.1	439.9	647.8	929.3	1265.1	1746.2	2391.0	2459.4
65°	240.5	237.8	242.1	249.1	360.6	695.8	1171.2	1866.4	2616.7	2664.6
67.5°	220.0	218.0	219.9	206.7	182.9	387.6	926.6	1896.8	2858.5	2887.5
70°	195.6	193.2	199.3	188.1	143.9	176.3	598.7	1786.4	3050.8	3105.3
72.5°	159.3	156.6	171.0	165.8	121.2	113.2	300.7	1523.9	3030.6	3143.8
75°	122.4	120.9	138.0	142.2	98.8	89.1	144.3	1132.8	2667.0	2781.0
77.5°	95.1	93.9	102.6	118.1	79.7	69.1	88.7	718.5	2009.8	2029.8
80°	71.3	67.9	75.9	91.5	62.1	50.4	60.2	419.0	1270.4	1151.6
82.5°	44.6	42.9	49.6	61.0	43.8	34.7	39.1	231.5	509.1	299.9
85°	25.5	24.8	27.0	34.9	23.8	20.0	22.4	102.2	93.0	63.9
87.5°	10.3	9.9	12.3	15.6	8.7	7.4	7.9	24.6	20.5	19.0
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°
648.8	0°	648.8	648.8	648.8	648.8	648.8	648.8	648.8	648.8	648.8	648.8
651.4	2.5°	650.7	650.7	648.3	644.5	640.2	637.5	633.1	631.9	627.3	625.9
657.2	5°	658.5	657.2	649.8	639.2	624.7	611.4	596.7	587.4	574.4	569.8
668.6	7.5°	668.5	664.7	652.0	628.8	598.4	568.4	537.3	513.7	491.2	483.1
678.0	10°	677.5	672.2	650.7	610.0	557.3	505.5	456.0	421.2	394.9	384.1
688.5	12.5°	686.6	676.8	641.6	578.7	499.0	428.8	375.9	348.9	332.7	319.7
697.0	15°	695.1	681.4	627.6	536.8	435.1	363.8	324.8	303.3	290.3	281.7
709.5	17.5°	705.0	685.4	606.6	483.6	374.2	318.8	287.0	274.0	271.5	270.5
726.6	20°	718.9	689.0	578.9	424.2	329.4	282.9	266.5	265.3	265.2	264.6
747.1	22.5°	733.8	693.2	542.3	370.1	291.3	260.5	257.6	255.2	253.7	253.5
771.9	25°	751.4	694.6	496.5	325.8	258.8	249.9	246.5	242.9	241.9	241.9
800.1	27.5°	768.5	690.0	443.1	287.4	240.5	240.2	235.8	234.6	234.4	234.9
832.2	30°	785.6	681.3	390.1	251.8	229.9	229.9	228.4	229.3	229.9	231.7
876.3	32.5°	808.6	672.0	345.9	225.5	220.7	219.0	220.5	222.2	222.9	225.2
934.3	35°	842.5	665.5	310.6	211.1	211.1	208.9	209.8	209.4	207.9	206.9
1004.4	37.5°	887.3	665.2	281.6	204.5	203.1	202.8	202.9	200.7	194.7	187.5
1089.2	40°	941.1	674.4	259.2	199.9	198.8	200.9	199.9	193.9	177.5	165.0
1193.5	42.5°	1013.5	700.8	244.8	194.2	197.3	199.9	195.7	175.1	164.0	155.6
1312.3	45°	1098.6	743.5	237.5	188.2	194.4	197.5	177.6	168.6	159.7	149.6
1441.9	47.5°	1195.0	797.4	235.8	182.6	187.9	189.8	169.9	165.8	155.7	144.8
1572.1	50°	1300.0	861.1	240.4	175.9	178.5	172.0	167.4	163.6	153.2	142.4
1705.7	52.5°	1408.5	931.4	249.6	166.9	169.1	161.9	166.3	163.1	151.6	137.1
1843.6	55°	1515.2	1002.2	258.5	156.3	159.5	152.8	163.4	161.0	144.6	128.2
1990.8	57.5°	1623.6	1072.6	267.2	146.9	150.3	144.1	158.8	155.6	136.8	120.0
2151.5	60°	1736.3	1141.0	271.3	137.8	140.2	136.1	151.8	146.2	127.9	111.6
2309.5	62.5°	1841.8	1197.9	264.6	128.7	130.3	128.6	142.6	135.1	119.0	102.2
2474.1	65°	1947.6	1231.8	244.1	119.8	120.2	119.3	129.6	123.1	108.6	94.0
2618.3	67.5°	2043.5	1250.7	211.5	110.3	109.4	109.1	117.4	110.1	98.5	85.8
2727.8	70°	2063.8	1202.5	161.6	99.0	99.0	98.1	104.1	96.6	87.4	77.1
2649.4	72.5°	1885.0	1011.6	114.7	86.2	87.5	85.8	90.8	84.5	76.1	69.2
2283.3	75°	1520.0	741.8	83.4	73.0	75.4	72.5	77.1	72.7	65.5	65.3
1573.5	77.5°	1044.4	458.7	60.5	60.2	61.9	58.1	63.4	61.0	54.5	51.6
684.9	80°	445.7	182.9	44.1	46.5	46.5	43.1	49.2	49.9	44.3	42.9
132.2	82.5°	88.7	52.0	30.9	32.0	30.1	29.1	34.9	38.6	53.3	59.3
39.8	85°	26.7	19.1	18.6	17.4	15.4	15.6	20.5	38.8	47.9	27.4
13.2	87.5°	7.4	4.8	5.0	3.9	3.2	4.3	7.0	29.4	16.1	6.8
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>
648.8
628.1
573.2
484.2
386.5
324.0
283.3
271.1
266.4
255.4
242.9
236.3
232.8
227.0
209.3
187.7
164.6
155.2
148.9
143.9
141.2
136.1
127.4
119.7
111.1
102.1
93.0
84.8
76.8
67.2
58.8
48.4
42.9
59.5
23.6
5.8
0.0

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