

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: P938855

Luminaire Tested: **GALN-SB1A-935-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938855
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1A-935-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 3500K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3093 lumens
Efficiency: N/A
Efficacy: 100.1 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

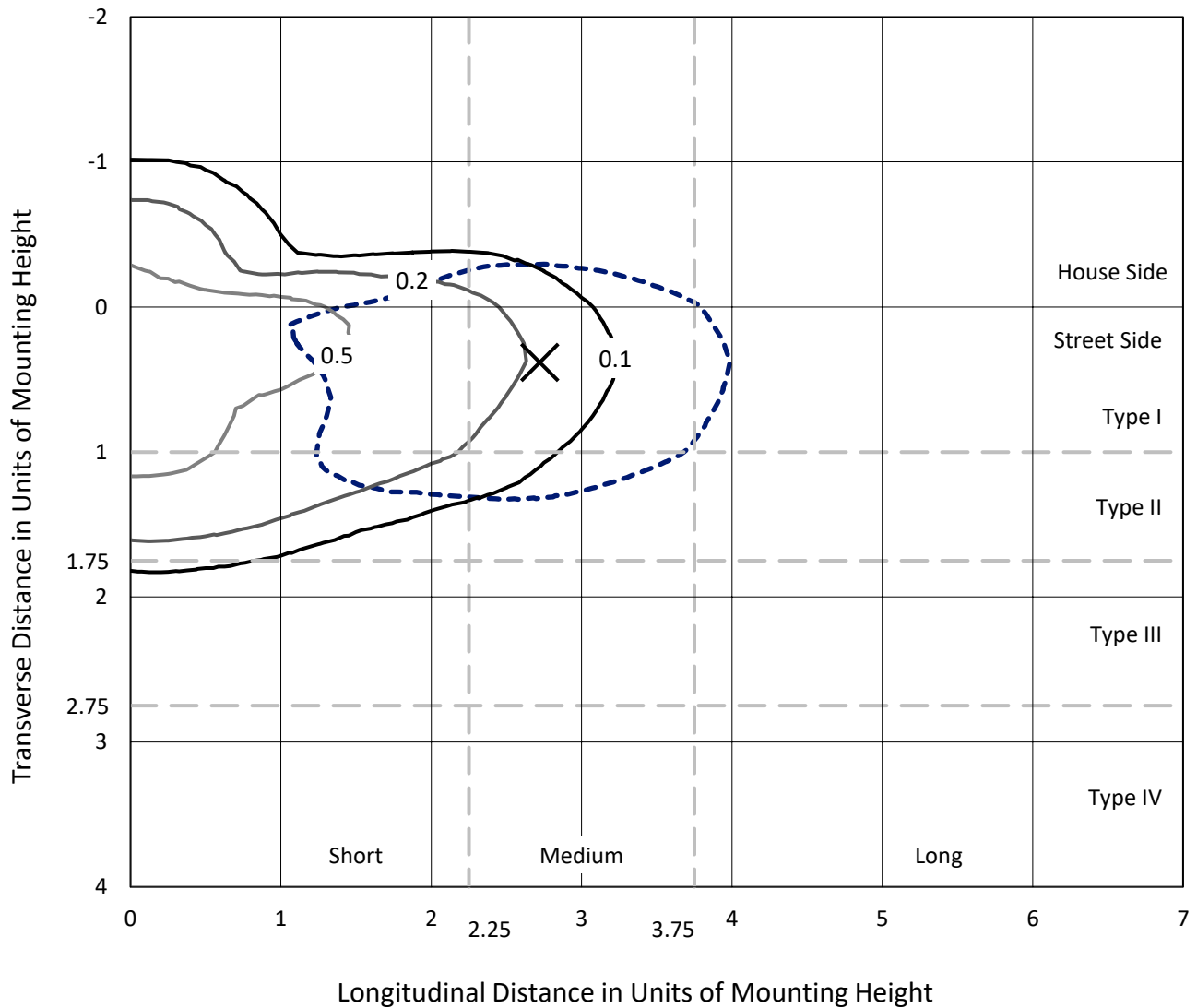
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

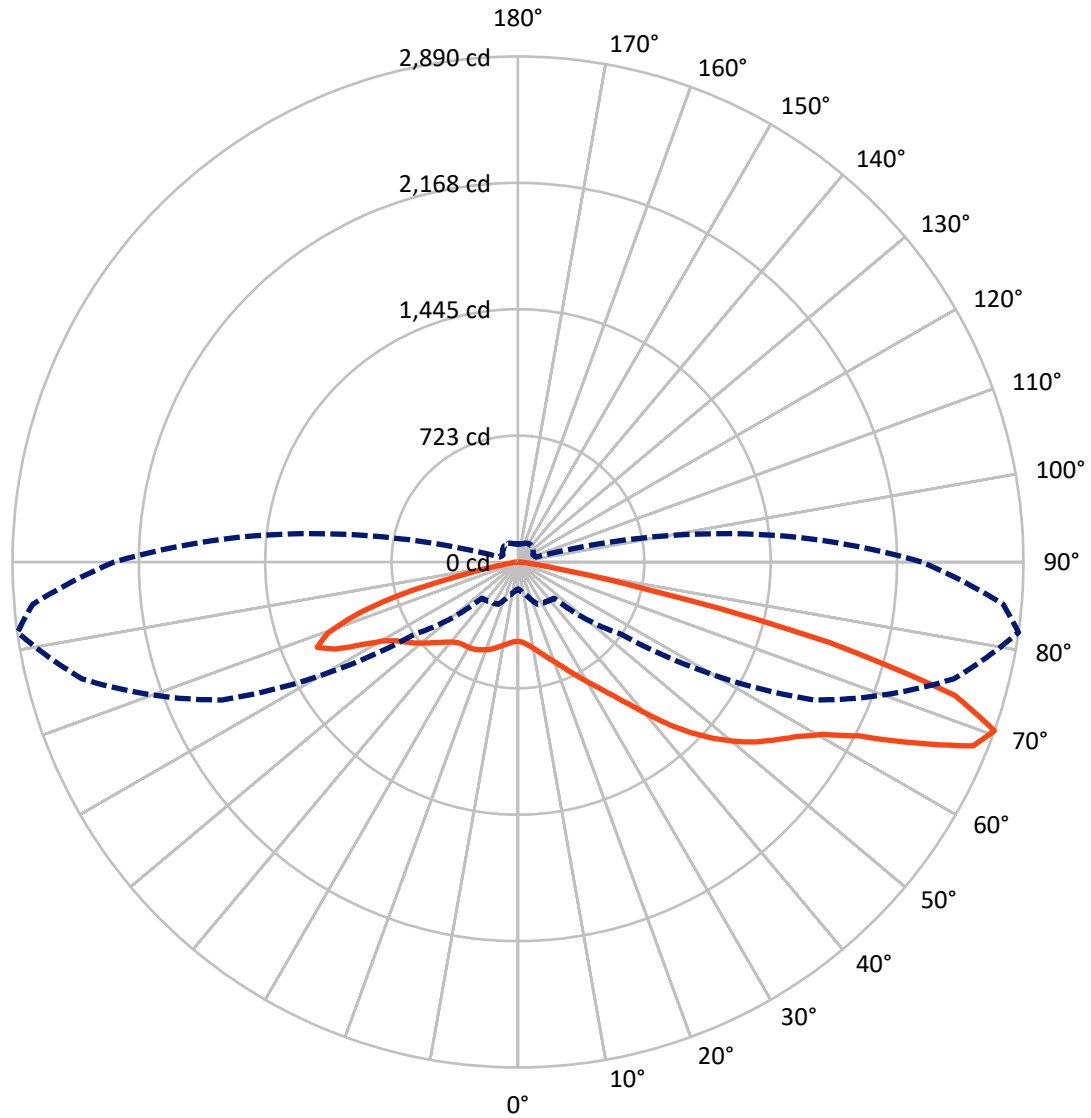
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	762.5	0.0	762.5
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	2330.5	0.0	2330.5
	% Fixture	75.3	0.0	75.3
Total	Lumens	3093.0	0.0	3093.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.8	1.4
10°-20°	123.0	4.0
20°-30°	205.8	6.7
30°-40°	321.5	10.4
40°-50°	512.0	16.6
50°-60°	712.5	23.0
60°-70°	745.3	24.1
70°-80°	389.6	12.6
80°-90°	40.4	1.3
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°	3093.0	100.0
0°-180°	3093.0	100.0

Coefficient of Utilization



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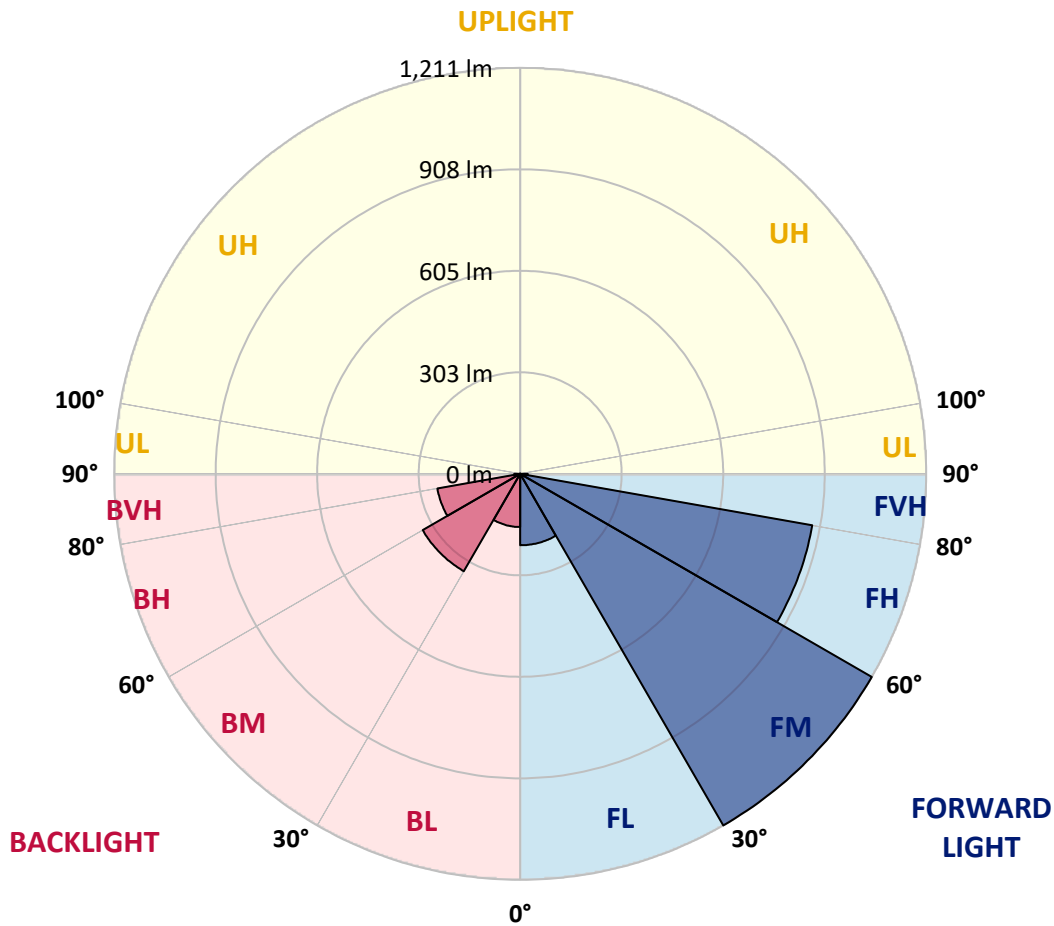
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	213.0	6.9			
FM (30°-60°)	1210.6	39.1			
FH (60°-80°)	884.3	28.6			G1/1800
FVH (80°-90°)	22.6	0.7			G1/100
BL (0°-30°)	158.6	5.1	B1/500		
BM (30°-60°)	335.5	10.8	B1/1000		
BH (60°-80°)	250.6	8.1	B1/500		G1/500
BVH (80°-90°)	17.8	0.6			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°	82°
0°	453.5	453.5	453.5	453.5	453.5	453.5	453.5	453.5	453.5	453.5
2.5°	464.3	466.9	466.1	465.3	465.3	464.1	464.0	462.3	461.0	458.9
5°	470.2	473.0	472.7	473.3	475.5	476.0	476.4	475.5	472.8	470.2
7.5°	465.0	468.1	469.1	473.0	479.6	485.5	489.9	491.7	489.3	485.5
10°	447.2	450.7	454.1	463.5	475.1	489.1	500.9	508.0	507.5	503.9
12.5°	411.3	414.9	422.3	440.5	461.8	486.5	508.5	523.2	528.3	525.7
15°	382.6	385.7	391.3	410.0	437.7	475.1	511.2	540.0	552.9	551.5
17.5°	381.8	383.1	386.5	395.4	416.7	457.4	508.3	556.4	581.2	581.0
20°	396.2	396.7	398.7	400.5	412.6	444.0	500.7	570.0	612.8	612.8
22.5°	416.2	415.9	417.9	416.2	422.1	442.8	496.0	582.0	648.1	650.7
25°	446.3	444.6	444.1	440.3	441.5	453.5	501.2	595.6	690.0	695.4
27.5°	486.3	483.7	481.9	473.2	470.2	475.5	517.3	612.0	736.6	745.9
30°	538.5	533.7	531.1	516.0	505.3	506.2	541.6	633.8	785.3	800.4
32.5°	609.7	602.3	595.3	570.5	551.0	544.6	573.0	664.0	838.2	862.3
35°	689.5	683.6	676.0	637.8	607.7	593.0	615.3	706.2	900.1	938.3
37.5°	766.3	761.2	764.8	713.3	674.5	653.0	670.8	762.8	976.4	1032.8
40°	845.7	841.8	842.3	793.0	747.9	723.8	738.1	833.9	1063.8	1145.3
42.5°	932.1	929.1	919.3	875.6	824.9	802.4	815.5	916.0	1157.7	1273.3
45°	1028.7	1026.9	1017.7	967.7	909.6	884.3	902.0	1006.6	1252.1	1393.7
47.5°	1112.3	1113.7	1112.6	1070.4	1010.2	973.1	994.3	1101.1	1339.9	1507.0
50°	1152.5	1160.2	1171.5	1158.4	1121.0	1083.2	1087.3	1192.4	1423.6	1613.2
52.5°	1131.5	1146.1	1176.9	1197.9	1212.4	1204.5	1193.5	1283.0	1502.4	1709.0
55°	1053.2	1073.7	1124.9	1175.6	1249.3	1306.6	1321.0	1383.4	1579.2	1793.4
57.5°	910.6	943.9	989.8	1092.4	1216.5	1356.0	1469.7	1522.7	1660.6	1883.5
60°	666.0	710.7	767.8	920.4	1101.6	1329.6	1596.3	1736.8	1776.3	2000.2
62.5°	426.2	453.8	506.3	650.1	858.4	1194.2	1635.0	2004.3	1972.4	2191.5
65°	291.8	309.5	357.6	438.4	554.9	888.9	1531.3	2204.8	2283.9	2494.8
67.5°	212.0	225.5	266.5	337.3	361.6	526.0	1188.3	2195.6	2586.7	2807.3
70°	154.6	164.1	198.6	266.5	278.2	292.6	719.8	1866.4	2580.2	2890.4
72.5°	114.6	121.1	144.3	206.8	225.2	197.6	356.3	1356.5	2217.1	2614.3
75°	82.9	87.8	104.9	158.2	180.2	150.5	177.7	792.7	1546.5	1839.0
77.5°	63.4	67.1	78.3	115.9	144.3	112.9	110.3	364.7	733.3	736.9
80°	50.9	53.3	59.4	81.6	110.6	84.5	71.9	147.2	231.7	196.1
82.5°	37.4	41.5	50.2	57.3	79.1	58.3	43.8	74.3	88.1	75.8
85°	21.3	24.1	30.4	41.0	50.5	35.6	25.1	33.0	41.0	33.6
87.5°	7.5	9.8	10.7	16.1	22.0	14.8	9.7	9.5	13.5	10.0
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°
453.5	0°	453.5	453.5	453.5	453.5	453.5	453.5	453.5	453.5	453.5	453.5
458.4	2.5°	456.8	455.9	452.7	448.2	443.6	439.2	437.7	434.6	432.5	431.3
469.1	5°	465.9	463.3	455.6	445.8	435.4	424.3	416.4	409.2	403.9	399.0
483.7	7.5°	479.1	474.5	461.2	444.0	425.6	407.0	393.2	382.7	375.7	371.1
500.7	10°	494.3	487.3	466.9	441.2	412.8	386.2	369.9	360.9	356.5	354.0
520.3	12.5°	511.9	501.9	472.8	434.8	393.2	362.9	351.7	349.1	349.3	349.4
544.9	15°	533.6	519.6	477.6	420.8	367.8	345.0	343.0	347.3	351.7	353.8
572.8	17.5°	558.0	538.3	478.4	397.8	342.9	333.5	339.7	348.9	355.7	358.6
604.0	20°	584.3	557.4	472.5	365.3	322.3	324.1	335.3	347.1	354.5	358.3
639.6	22.5°	614.3	577.7	458.4	331.2	305.6	314.0	327.1	338.6	346.3	350.1
681.4	25°	648.6	600.5	436.2	302.5	291.2	302.5	315.6	325.1	331.4	334.8
728.2	27.5°	686.7	624.3	406.7	279.7	278.5	290.7	301.5	308.9	312.2	314.8
777.9	30°	724.9	646.0	370.9	262.4	267.5	279.0	286.7	290.0	291.0	291.5
833.4	32.5°	766.3	664.7	333.3	248.2	257.0	267.7	272.3	273.8	269.2	266.0
900.7	35°	816.3	684.7	296.6	236.8	246.7	255.9	257.3	256.0	250.6	244.2
985.1	37.5°	878.2	709.7	267.2	228.8	237.0	243.1	241.3	240.9	241.4	233.9
1086.5	40°	954.0	742.2	245.7	222.6	229.1	230.4	225.3	228.1	230.6	219.1
1197.8	42.5°	1038.2	781.4	232.1	218.3	222.6	219.4	211.6	214.7	214.3	199.2
1309.5	45°	1124.1	824.1	227.3	215.2	216.5	210.2	201.5	202.4	195.5	181.8
1416.7	47.5°	1209.4	869.9	230.3	212.5	208.9	201.9	195.1	191.5	181.4	171.2
1519.5	50°	1293.1	917.9	241.1	207.3	198.6	194.5	189.6	183.2	172.3	163.6
1616.6	52.5°	1370.8	966.4	253.2	198.6	185.6	188.1	185.0	177.6	166.9	158.1
1708.5	55°	1444.3	1014.8	258.0	186.6	173.5	182.5	180.7	167.1	154.3	147.1
1804.7	57.5°	1524.4	1073.0	252.7	171.3	163.6	176.1	169.2	154.1	146.7	141.3
1929.9	60°	1635.3	1164.5	241.4	152.5	154.3	166.6	154.8	148.5	140.5	134.4
2117.7	62.5°	1819.6	1335.0	223.2	133.8	143.3	152.5	147.9	141.6	133.4	127.5
2438.7	65°	2092.1	1572.0	188.9	119.2	131.0	138.7	140.5	134.3	125.7	119.5
2720.0	67.5°	2321.9	1720.7	143.0	107.0	118.3	127.5	132.6	126.5	117.5	111.4
2785.8	70°	2309.2	1612.7	109.1	95.0	107.2	116.5	123.1	118.3	108.6	102.9
2530.5	72.5°	2051.0	1349.1	88.3	82.9	95.8	105.0	112.9	109.3	99.5	93.9
1853.8	75°	1506.8	957.7	70.6	70.6	81.7	93.1	101.8	99.5	90.4	86.5
778.3	77.5°	635.2	401.8	55.3	58.6	67.9	79.9	90.8	91.6	83.7	88.6
205.8	80°	168.9	110.8	42.2	46.1	53.3	66.0	78.9	78.6	70.1	65.5
76.5	82.5°	64.3	43.7	30.0	32.5	38.6	50.5	62.5	64.5	56.0	48.4
30.0	85°	24.8	18.7	18.5	19.5	22.5	33.5	47.3	48.9	42.2	35.8
8.4	87.5°	6.4	5.6	6.9	6.6	10.3	17.9	27.1	28.1	25.8	14.9
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>
453.5
432.6
401.0
372.1
354.7
349.7
353.7
359.3
359.3
351.1
335.8
315.8
292.6
267.0
244.5
234.4
219.4
199.1
182.3
171.2
163.0
158.2
146.4
140.8
134.1
127.5
119.8
111.6
103.4
93.9
85.3
80.4
60.9
48.4
36.9
21.3
0.0

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