

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: P945802

Luminaire Tested: **GALN-SB1C-927-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945802
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-SB1C-927-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4532 lumens
Efficiency: N/A
Efficacy: 83.3 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

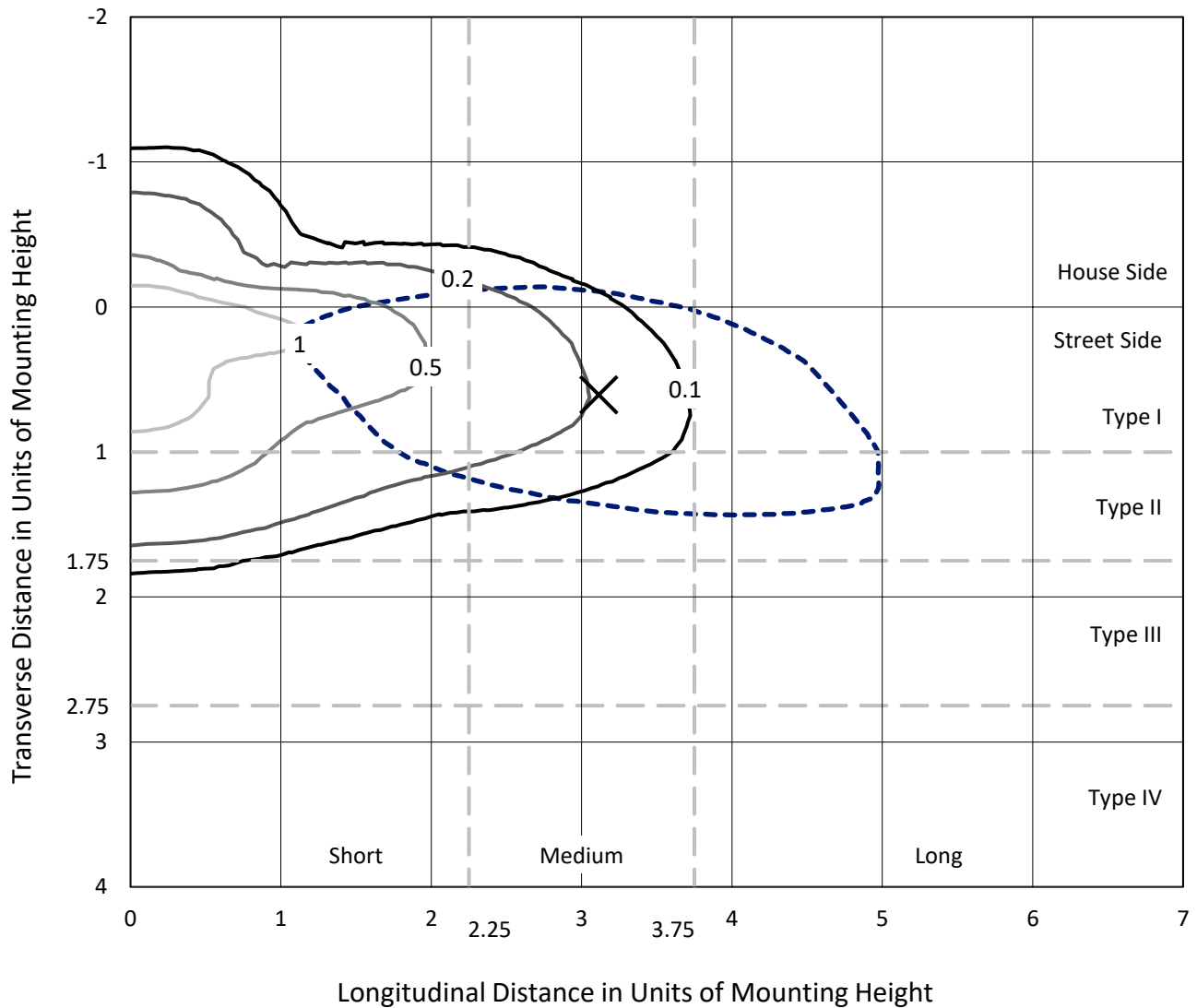
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

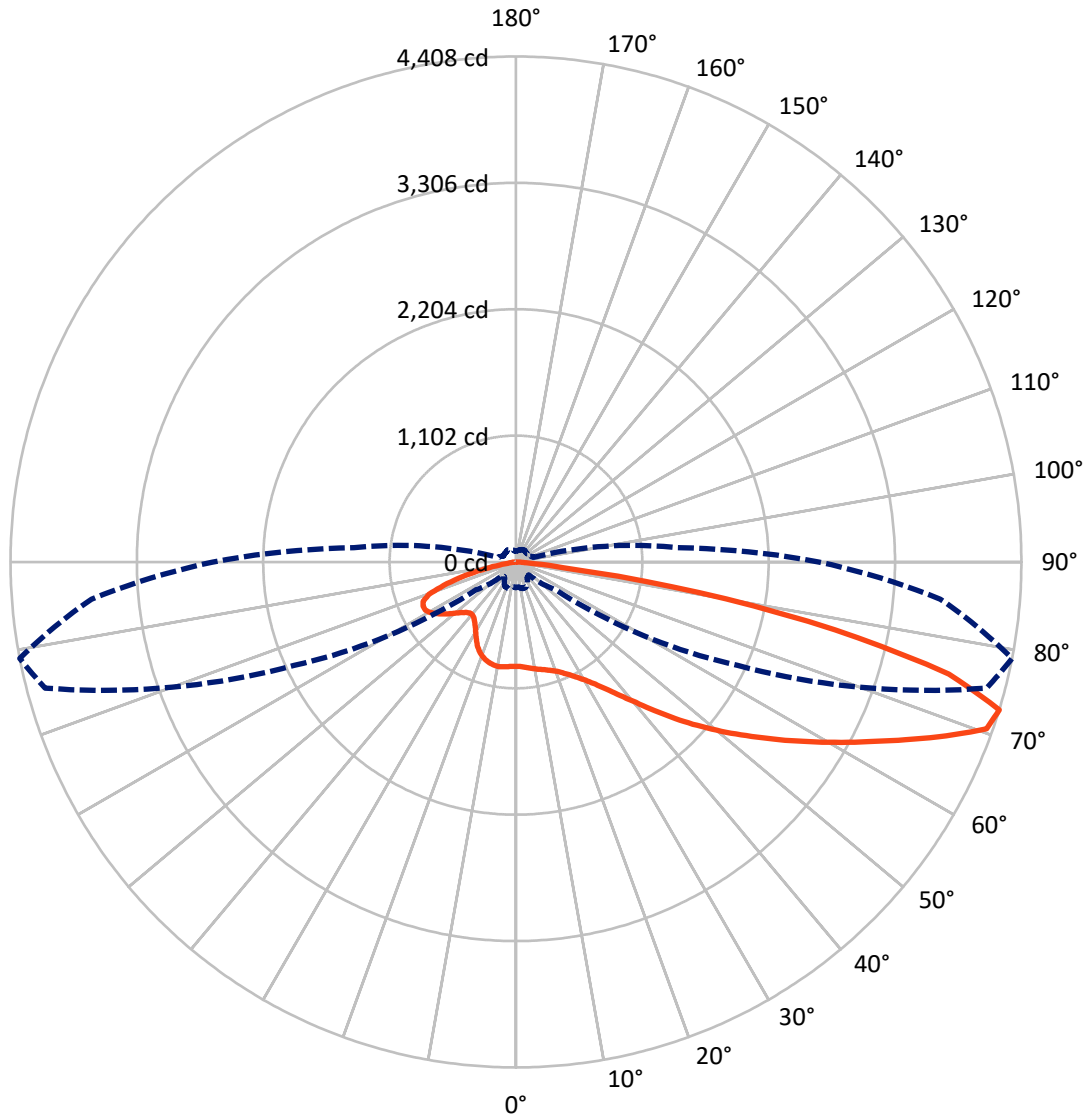
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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	997.3	0.0	997.3
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	3534.7	0.0	3534.7
	% Fixture	78.0	0.0	78.0
Total	Lumens	4532.0	0.0	4532.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.6	1.8
10°-20°	215.9	4.8
20°-30°	348.4	7.7
30°-40°	522.9	11.5
40°-50°	741.7	16.4
50°-60°	936.7	20.7
60°-70°	951.3	21.0
70°-80°	648.4	14.3
80°-90°	84.1	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°	4532.0	100.0
0°-180°	4532.0	100.0

Coefficient of Utilization

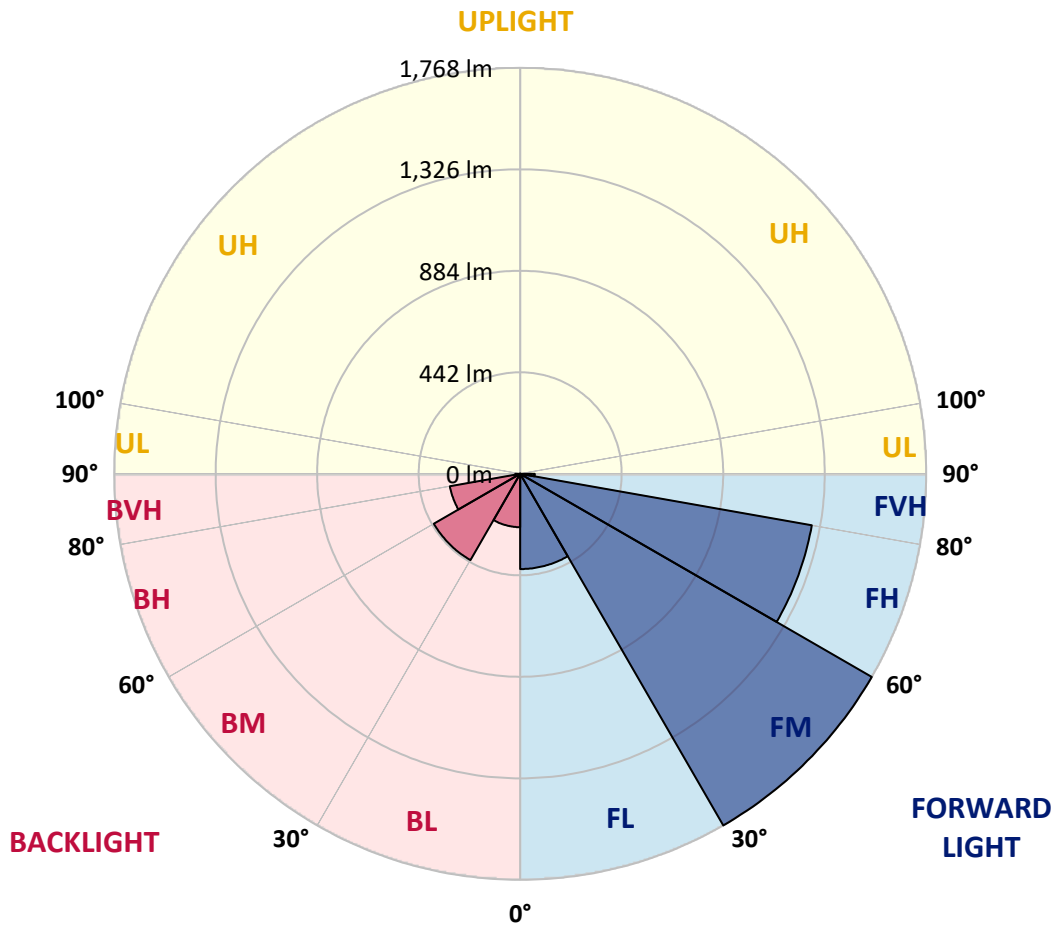


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	414.6	9.1			
FM (30°-60°)	1767.6	39.0			
FH (60°-80°)	1289.2	28.4			G1/1800
FVH (80°-90°)	63.4	1.4			G1/100
BL (0°-30°)	232.3	5.1	B1/500		
BM (30°-60°)	433.7	9.6	B1/1000		
BH (60°-80°)	310.5	6.9	B1/500		G1/500
BVH (80°-90°)	20.8	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°	909.8	909.8	909.8	909.8	909.8	909.8	909.8	909.8	909.8	909.8
2.5°	910.2	905.9	908.6	907.6	908.8	910.2	910.7	911.4	913.8	913.6
5°	908.3	904.0	907.6	906.4	909.5	912.9	915.7	918.4	922.2	923.9
7.5°	904.2	901.4	905.0	908.6	914.3	919.3	923.4	929.4	934.9	935.9
10°	880.5	878.4	886.7	896.1	911.9	925.6	934.4	941.4	947.4	948.4
12.5°	855.8	853.2	862.5	875.2	900.9	925.6	944.3	953.4	958.7	961.8
15°	851.7	849.6	854.9	865.9	887.2	919.1	951.0	967.8	972.3	975.9
17.5°	871.4	867.3	869.5	873.3	885.8	913.1	956.3	984.1	991.0	994.9
20°	916.9	911.2	907.8	900.2	898.0	914.1	955.8	1003.7	1012.8	1017.6
22.5°	977.6	973.8	966.6	947.2	926.1	925.8	964.9	1028.9	1045.9	1050.5
25°	1051.0	1045.2	1036.1	1009.7	969.2	949.1	980.2	1061.0	1089.5	1090.7
27.5°	1135.3	1126.7	1114.2	1079.5	1024.8	985.5	1003.7	1097.9	1139.7	1139.2
30°	1224.3	1215.6	1202.5	1160.3	1091.5	1034.7	1036.3	1137.7	1199.1	1196.5
32.5°	1289.2	1282.8	1280.1	1247.5	1168.2	1092.7	1073.7	1181.8	1272.5	1270.1
35°	1339.1	1330.7	1333.8	1317.3	1251.8	1157.6	1119.5	1234.3	1361.6	1361.4
37.5°	1388.5	1381.1	1383.7	1372.7	1329.3	1240.1	1175.4	1298.6	1472.2	1477.4
40°	1433.6	1425.6	1436.2	1425.9	1389.4	1327.8	1238.9	1371.2	1600.2	1610.2
42.5°	1460.6	1454.4	1471.9	1472.2	1441.7	1401.9	1308.7	1451.3	1748.3	1770.8
45°	1470.0	1467.8	1494.2	1499.7	1488.0	1444.8	1371.5	1538.6	1908.0	1948.2
47.5°	1459.9	1455.8	1492.3	1512.7	1522.0	1465.0	1423.5	1633.0	2071.0	2130.0
50°	1409.1	1401.2	1455.4	1498.3	1531.6	1478.1	1476.0	1742.1	2256.3	2320.8
52.5°	1317.8	1311.8	1373.4	1447.9	1510.5	1484.6	1535.0	1861.2	2432.2	2515.7
55°	1201.0	1193.1	1261.0	1358.3	1458.0	1482.5	1593.9	1994.5	2639.9	2724.5
57.5°	1016.0	1000.1	1086.0	1201.0	1372.4	1479.8	1655.3	2127.1	2850.8	2952.2
60°	746.0	722.5	827.8	964.2	1205.1	1454.2	1731.3	2275.7	3104.0	3195.3
62.5°	434.4	420.7	489.5	616.8	908.3	1303.1	1774.0	2448.5	3352.8	3448.7
65°	337.3	333.5	339.5	349.3	505.6	975.7	1642.4	2617.1	3669.2	3736.4
67.5°	308.5	305.6	308.3	289.8	256.5	543.5	1299.3	2659.7	4008.2	4049.0
70°	274.2	270.9	279.5	263.7	201.8	247.2	839.5	2504.9	4277.9	4354.4
72.5°	223.4	219.6	239.7	232.5	170.0	158.7	421.7	2136.9	4249.6	4408.3
75°	171.6	169.5	193.5	199.5	138.6	124.9	202.3	1588.4	3739.7	3899.6
77.5°	133.3	131.6	143.8	165.6	111.7	96.8	124.4	1007.6	2818.2	2846.3
80°	100.0	95.2	106.4	128.3	87.0	70.7	84.4	587.6	1781.4	1614.8
82.5°	62.6	60.2	69.5	85.6	61.4	48.7	54.9	324.6	713.9	420.5
85°	35.7	34.8	37.9	48.9	33.3	28.0	31.4	143.4	130.4	89.7
87.5°	14.4	13.9	17.3	21.8	12.2	10.3	11.0	34.5	28.8	26.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P945802
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
909.8	0°	909.8	909.8	909.8	909.8	909.8	909.8	909.8	909.8	909.8	909.8
913.4	2.5°	912.4	912.4	909.0	903.8	897.8	893.9	887.7	886.0	879.6	877.6
921.5	5°	923.4	921.5	911.2	896.3	876.0	857.3	836.6	823.7	805.5	799.0
937.6	7.5°	937.3	932.1	914.3	881.7	839.0	797.1	753.5	720.4	688.7	677.5
950.7	10°	950.0	942.6	912.4	855.3	781.5	708.9	639.3	590.7	553.8	538.7
965.4	12.5°	962.7	949.1	899.7	811.5	699.8	601.2	527.2	489.3	466.5	448.3
977.4	15°	974.7	955.5	880.0	752.7	610.1	510.1	455.5	425.3	407.1	395.1
994.9	17.5°	988.6	961.1	850.5	678.2	524.8	447.1	402.5	384.3	380.7	379.2
1018.8	20°	1008.0	966.1	811.7	594.8	461.9	396.7	373.7	372.1	371.8	371.1
1047.6	22.5°	1028.9	972.1	760.4	519.0	408.5	365.3	361.3	357.9	355.8	355.5
1082.4	25°	1053.6	974.0	696.2	456.9	362.9	350.5	345.7	340.6	339.2	339.2
1121.9	27.5°	1077.6	967.5	621.4	403.0	337.3	336.8	330.6	328.9	328.7	329.4
1167.0	30°	1101.5	955.3	547.1	353.1	322.4	322.4	320.3	321.5	322.4	324.8
1228.8	32.5°	1133.9	942.4	485.0	316.2	309.5	307.1	309.2	311.6	312.6	315.7
1310.1	35°	1181.4	933.2	435.6	296.1	296.1	292.9	294.1	293.7	291.5	290.1
1408.4	37.5°	1244.2	932.8	394.8	286.7	284.8	284.3	284.6	281.4	273.0	263.0
1527.3	40°	1319.7	945.7	363.4	280.2	278.8	281.7	280.2	271.8	248.8	231.3
1673.5	42.5°	1421.1	982.6	343.3	272.3	276.6	280.2	274.5	245.5	229.9	218.1
1840.1	45°	1540.5	1042.6	333.0	263.9	272.6	276.9	249.1	236.4	223.9	209.8
2021.8	47.5°	1675.7	1118.1	330.6	256.0	263.5	266.1	238.3	232.5	218.4	203.0
2204.5	50°	1822.9	1207.5	337.1	246.7	250.3	241.2	234.7	229.4	214.8	199.7
2391.7	52.5°	1975.1	1306.0	350.0	234.0	237.1	227.0	233.3	228.7	212.6	192.3
2585.2	55°	2124.7	1405.3	362.5	219.1	223.7	214.3	229.2	225.8	202.8	179.8
2791.6	57.5°	2276.7	1504.0	374.7	205.9	210.7	202.1	222.7	218.1	191.8	168.3
3016.9	60°	2434.6	1599.9	380.4	193.2	196.6	190.8	212.9	205.0	179.3	156.5
3238.4	62.5°	2582.6	1679.8	371.1	180.5	182.7	180.3	199.9	189.4	166.8	143.4
3469.3	65°	2730.9	1727.2	342.3	168.0	168.5	167.3	181.7	172.6	152.2	131.8
3671.4	67.5°	2865.4	1753.8	296.5	154.6	153.4	152.9	164.7	154.4	138.1	120.3
3825.1	70°	2894.0	1686.2	226.5	138.8	138.8	137.6	146.0	135.4	122.5	108.1
3715.0	72.5°	2643.2	1418.5	160.9	120.8	122.7	120.3	127.3	118.4	106.7	97.1
3201.8	75°	2131.4	1040.2	117.0	102.4	105.7	101.6	108.1	101.9	91.8	91.6
2206.4	77.5°	1464.5	643.2	84.9	84.4	86.8	81.5	88.9	85.6	76.5	72.4
960.3	80°	625.0	256.5	61.8	65.2	65.2	60.4	69.0	70.0	62.1	60.2
185.3	82.5°	124.4	72.9	43.4	44.8	42.2	40.8	48.9	54.2	74.8	83.2
55.9	85°	37.4	26.8	26.1	24.5	21.6	21.8	28.8	54.4	67.1	38.4
18.5	87.5°	10.3	6.7	7.0	5.5	4.6	6.0	9.8	41.2	22.5	9.6
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>
909.8
880.7
803.8
678.9
542.0
454.3
397.2
380.2
373.5
358.1
340.6
331.3
326.5
318.4
293.4
263.2
230.9
217.7
208.8
201.8
198.0
190.8
178.6
167.8
155.8
143.1
130.4
118.9
107.6
94.2
82.5
67.8
60.2
83.4
33.1
8.2
0.0

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