

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: P945888

Luminaire Tested: **GALN-SB1C-950-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945888
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1C-950-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 5000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5093 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

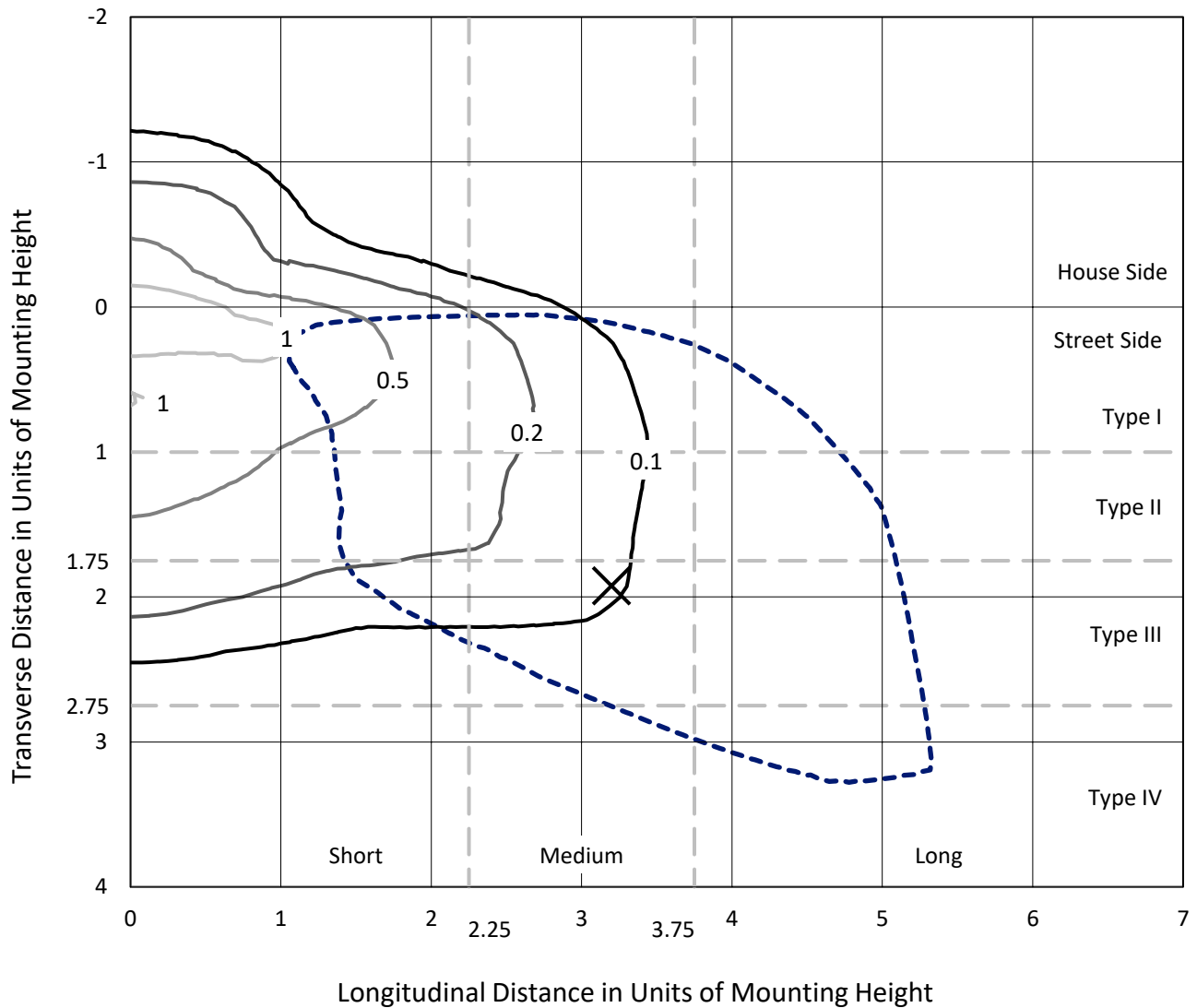
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

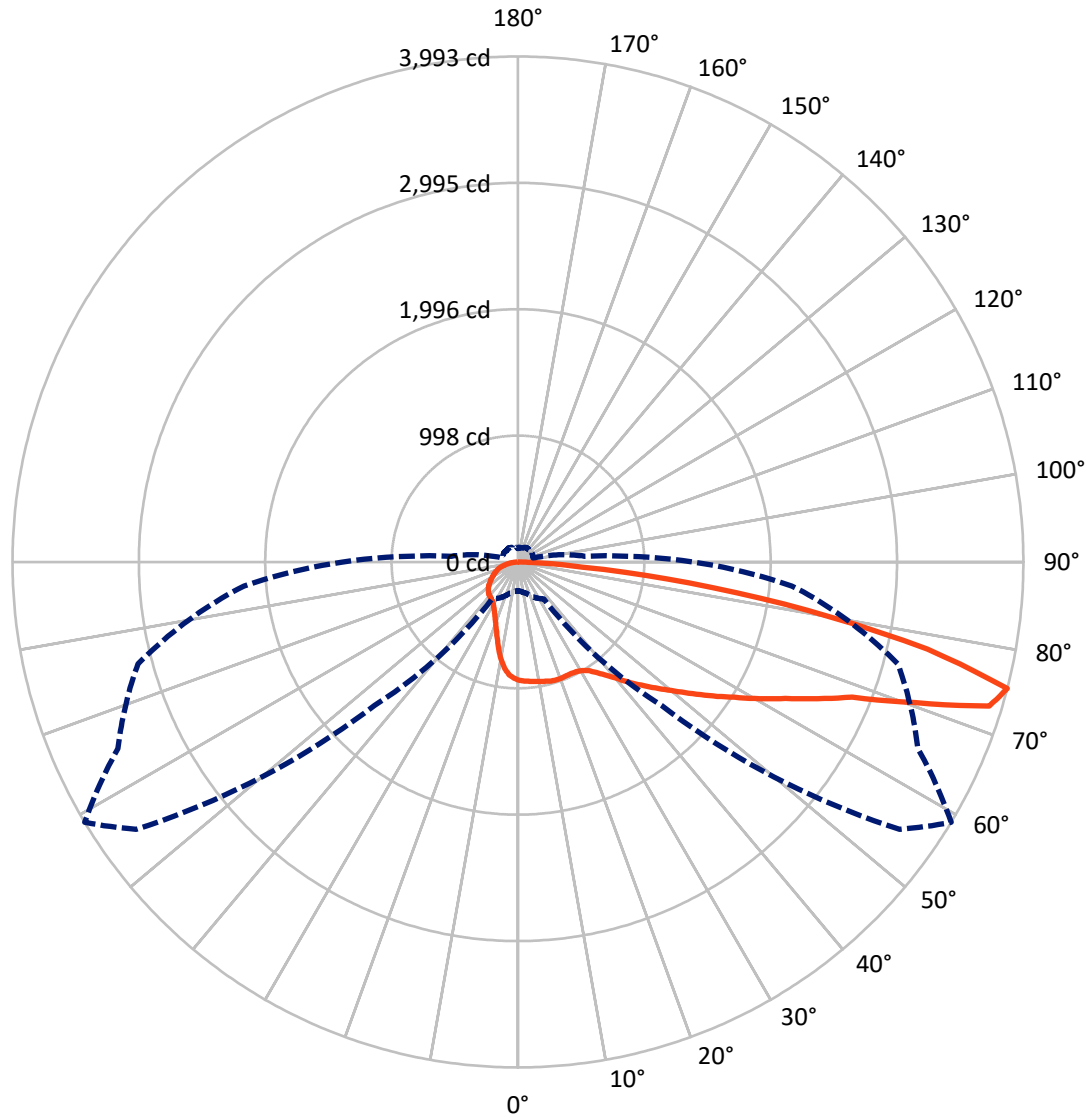
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	955.2	0.0	955.2
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	4137.8	0.0	4137.8
	% Fixture	81.2	0.0	81.2
Total	Lumens	5093.0	0.0	5093.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.8	1.6
10°-20°	214.3	4.2
20°-30°	325.4	6.4
30°-40°	483.7	9.5
40°-50°	719.4	14.1
50°-60°	976.5	19.2
60°-70°	1192.2	23.4
70°-80°	935.6	18.4
80°-90°	162.1	3.2
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°	5093.0	100.0
0°-180°	5093.0	100.0

Coefficient of Utilization



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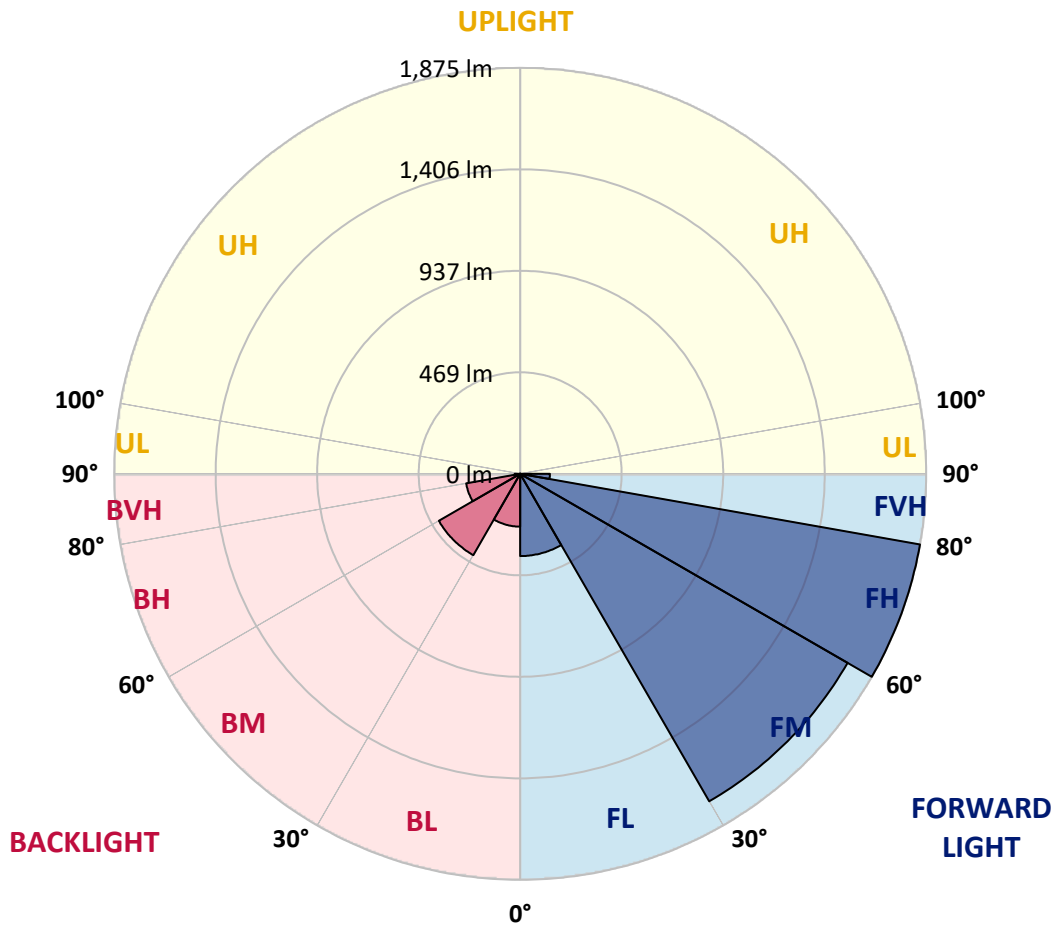
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	379.7	7.5			
FM (30°-60°)	1746.1	34.3			
FH (60°-80°)	1874.7	36.8			G2/5000
FVH (80°-90°)	137.3	2.7			G2/225
BL (0°-30°)	243.8	4.8	B1/500		
BM (30°-60°)	433.6	8.5	B1/1000		
BH (60°-80°)	253.1	5.0	B1/500		G1/500
BVH (80°-90°)	24.8	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-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	934.8	934.8	934.8	934.8	934.8	934.8	934.8	934.8	934.8	934.8
2.5°	942.8	939.5	942.8	941.4	940.8	939.7	940.0	941.9	940.8	942.2
5°	936.5	934.5	937.8	937.0	940.6	941.1	944.7	946.9	948.2	948.5
7.5°	926.0	924.1	928.8	932.6	940.3	942.5	949.9	953.4	955.4	958.6
10°	888.0	887.1	898.6	913.2	931.2	942.5	953.7	959.7	962.8	971.5
12.5°	820.6	821.7	836.7	864.7	900.8	937.0	958.1	966.9	971.5	982.5
15°	756.2	755.9	772.3	802.2	852.9	912.9	960.3	975.4	983.3	999.5
17.5°	718.9	717.8	729.3	752.1	799.2	875.9	954.8	980.0	997.0	1017.3
20°	712.1	709.9	715.9	727.1	760.6	835.4	940.6	980.0	1008.0	1034.3
22.5°	737.0	733.4	731.0	729.6	744.4	801.9	924.4	976.7	1024.1	1058.6
25°	787.1	781.7	769.1	756.7	752.3	786.9	910.2	975.9	1048.2	1091.5
27.5°	868.2	861.4	835.9	806.3	779.7	794.5	903.8	980.8	1074.8	1126.3
30°	968.8	961.4	929.3	883.8	836.2	823.0	911.8	995.4	1108.8	1172.6
32.5°	1058.9	1050.7	1023.3	977.0	912.6	872.3	937.0	1023.0	1162.2	1237.0
35°	1138.9	1129.3	1104.7	1061.9	1006.3	941.7	982.5	1072.1	1238.1	1341.7
37.5°	1217.3	1206.0	1179.2	1134.0	1095.1	1034.0	1045.2	1135.1	1338.9	1468.8
40°	1305.0	1288.8	1256.2	1211.5	1173.7	1142.2	1127.7	1212.3	1441.4	1610.7
42.5°	1389.9	1374.5	1335.6	1297.6	1250.2	1241.1	1223.3	1302.8	1553.4	1766.6
45°	1481.4	1463.0	1415.9	1367.7	1337.8	1306.9	1315.9	1393.2	1663.3	1925.5
47.5°	1567.1	1546.6	1491.0	1437.3	1420.8	1362.2	1400.8	1492.6	1777.6	2086.6
50°	1613.4	1593.2	1546.9	1498.4	1485.5	1430.4	1492.9	1601.9	1897.3	2247.2
52.5°	1652.1	1630.2	1569.6	1542.8	1538.9	1504.7	1606.3	1726.9	2017.0	2389.1
55°	1693.2	1668.8	1591.5	1567.4	1585.0	1588.0	1740.8	1868.5	2143.6	2527.4
57.5°	1740.6	1709.6	1612.6	1588.2	1629.9	1685.5	1895.4	2015.4	2268.0	2655.7
60°	1785.2	1754.0	1653.2	1621.4	1678.4	1798.7	2072.6	2193.2	2408.8	2769.9
62.5°	1794.0	1768.2	1685.5	1685.2	1744.1	1930.7	2282.5	2372.6	2531.8	2882.8
65°	1642.2	1626.1	1577.0	1682.8	1838.4	2120.9	2516.2	2602.2	2688.3	2981.4
67.5°	1249.9	1252.1	1248.5	1452.6	1762.2	2394.0	2854.6	2848.0	2881.4	3092.1
70°	571.5	584.4	668.2	1002.8	1411.8	2425.5	3414.0	3328.8	3123.9	3235.4
72.5°	308.8	318.6	352.9	485.8	848.8	2156.5	3832.1	3892.7	3446.4	3331.8
75°	226.6	232.1	255.9	308.8	356.4	1602.8	3682.2	3992.9	3486.6	3106.9
77.5°	169.6	172.1	191.5	244.7	182.5	844.9	2942.2	3306.9	2984.7	2552.6
80°	123.0	125.8	140.3	183.6	127.9	309.0	2020.3	2321.1	2044.1	1627.1
82.5°	84.9	86.0	92.3	124.9	89.3	120.0	1146.3	1361.1	1141.1	571.0
85°	51.2	52.6	55.3	72.9	50.7	57.0	494.8	511.8	341.1	136.4
87.5°	21.1	22.5	24.7	30.7	20.0	15.9	81.6	102.5	63.8	40.0
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°
934.8	0°	934.8	934.8	934.8	934.8	934.8	934.8	934.8	934.8	934.8	934.8
937.5	2.5°	936.2	934.3	929.1	921.9	915.4	907.1	903.6	900.6	897.8	892.6
944.9	5°	941.9	936.7	922.8	904.7	884.1	861.7	839.7	824.7	811.8	802.2
953.4	7.5°	950.7	940.8	915.4	878.4	831.2	783.0	739.5	708.5	685.2	676.7
965.5	10°	959.7	948.0	903.6	838.4	757.0	682.8	624.9	593.2	574.5	568.5
979.7	12.5°	970.4	953.2	885.2	782.8	674.0	592.6	542.2	523.6	514.0	510.7
997.3	15°	986.0	957.5	857.5	713.2	594.8	526.9	494.3	481.4	476.4	476.2
1015.4	17.5°	997.8	958.4	814.5	638.6	534.0	487.1	460.3	455.3	458.6	463.6
1033.2	20°	1011.0	951.0	758.1	570.7	491.2	452.3	441.1	444.4	452.3	459.5
1056.7	22.5°	1020.3	937.5	689.9	517.8	454.3	432.3	431.8	438.6	443.0	446.6
1084.4	25°	1028.5	914.8	617.5	473.4	423.8	420.3	426.3	424.1	421.1	424.1
1112.1	27.5°	1034.5	878.9	552.9	434.5	402.5	412.1	408.5	403.6	403.3	404.9
1144.7	30°	1032.6	831.0	499.7	397.5	387.4	396.7	388.2	387.4	386.6	387.4
1193.7	32.5°	1032.6	776.5	458.9	372.1	377.8	374.3	373.4	371.5	368.2	368.0
1260.3	35°	1038.4	721.9	423.8	358.4	369.9	361.4	361.9	357.3	350.4	347.1
1348.5	37.5°	1050.2	678.1	389.0	351.8	355.9	355.6	353.4	345.5	333.4	323.0
1458.7	40°	1078.6	665.2	365.2	348.8	349.3	352.6	346.9	331.5	304.1	287.1
1570.4	42.5°	1123.3	686.9	360.0	341.4	344.9	348.2	337.0	301.4	281.9	271.8
1687.7	45°	1180.0	724.7	371.2	330.7	334.5	340.3	306.9	289.9	281.1	281.4
1803.9	47.5°	1251.8	764.4	392.1	321.4	319.5	322.7	286.9	276.4	264.4	267.4
1915.4	50°	1334.8	804.7	411.8	308.8	302.7	292.1	274.0	264.1	248.8	241.6
2023.0	52.5°	1424.7	843.6	419.7	293.4	284.7	272.3	265.2	253.2	234.5	222.7
2124.7	55°	1509.9	878.9	411.0	275.1	266.6	257.0	255.9	248.5	228.5	212.1
2215.1	57.5°	1590.4	908.5	389.0	256.4	248.2	242.5	249.9	246.3	221.1	200.0
2300.6	60°	1658.7	928.8	357.3	237.5	231.8	228.8	240.0	238.9	210.7	187.1
2377.3	62.5°	1712.9	936.7	322.2	219.5	218.1	212.6	226.3	226.3	197.5	174.5
2444.7	65°	1755.4	929.1	286.6	201.6	204.4	196.2	209.6	207.9	183.6	163.3
2522.2	67.5°	1792.9	903.8	247.1	184.1	190.4	180.0	192.1	188.2	168.2	152.1
2589.4	70°	1809.6	845.2	202.2	166.6	174.2	164.1	174.5	167.4	151.0	140.0
2515.7	72.5°	1675.4	702.5	159.2	148.2	154.8	146.6	155.6	147.4	132.3	127.4
2172.4	75°	1386.0	527.1	122.5	128.2	133.2	126.9	132.9	126.9	113.2	116.7
1604.7	77.5°	1006.6	355.9	93.7	107.1	109.3	106.0	111.2	104.4	92.1	91.2
799.7	80°	500.6	208.5	73.4	84.7	83.8	81.6	87.7	84.4	74.0	78.4
215.9	82.5°	144.9	89.3	53.4	59.5	57.8	58.4	62.7	64.4	96.4	95.6
67.1	85°	45.5	35.1	32.1	33.2	31.5	32.3	37.0	73.4	67.9	39.7
20.8	87.5°	11.8	12.1	7.9	8.5	8.8	10.4	11.8	44.7	21.4	14.0
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>
934.8
890.2
794.3
661.9
559.2
511.5
477.3
465.5
461.9
448.5
426.0
407.7
390.4
371.5
350.4
326.6
289.3
271.8
282.7
275.1
243.6
222.5
212.1
198.9
186.3
173.7
162.2
151.0
137.8
123.3
106.6
87.1
77.5
97.8
43.0
14.8
0.0

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