

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: P945804

Luminaire Tested: **GALN-SB1C-927-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945804
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-927-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4457 lumens
Efficiency: N/A
Efficacy: 81.9 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

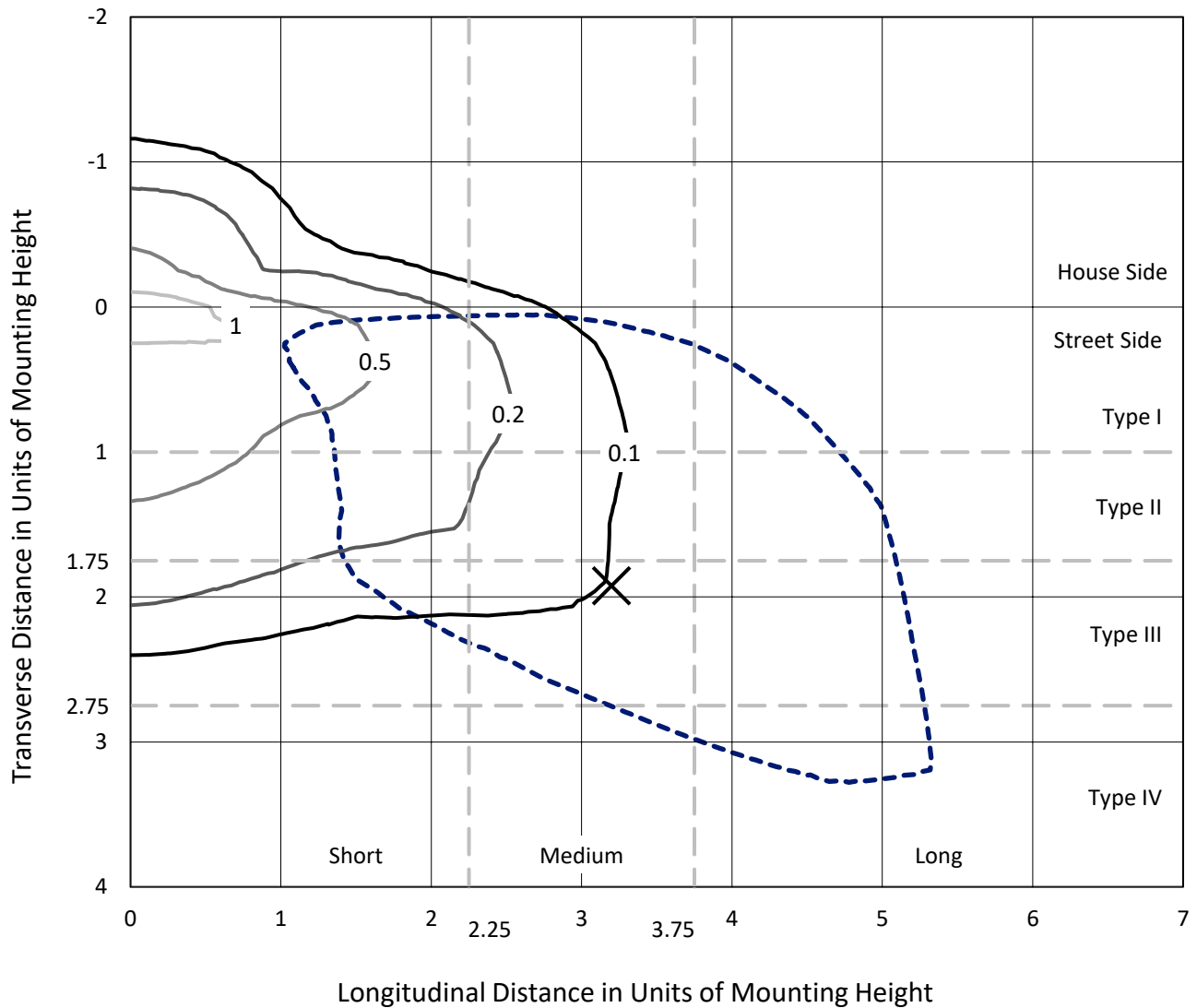
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P945804
 CATALOG NUMBER: GALN-SB1C-927-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

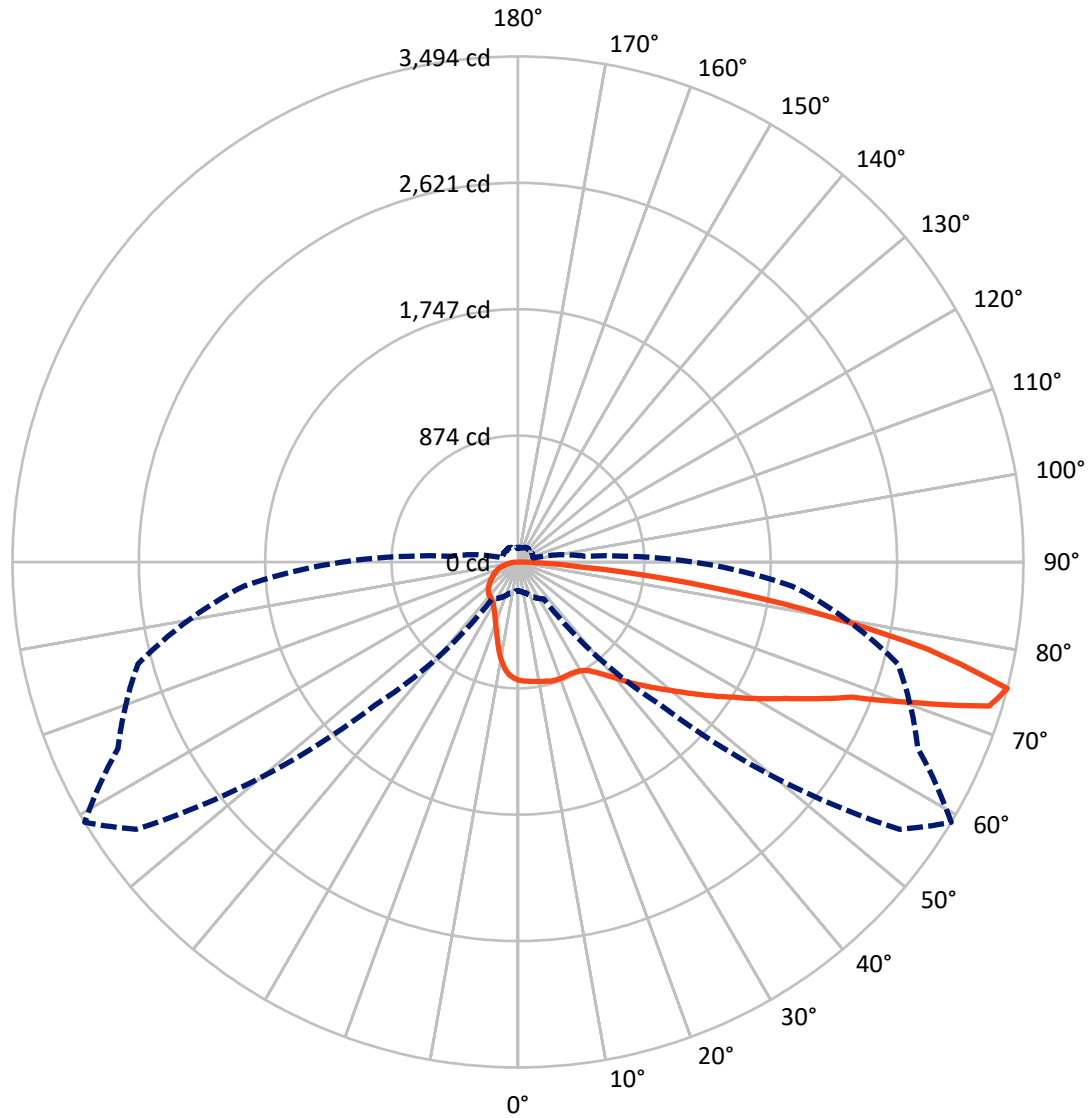
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Medium - N/A

REPORT NUMBER: P945804
CATALOG NUMBER: GALN-SB1C-927-U-SL3

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	835.9	0.0	835.9
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	3621.1	0.0	3621.1
	% Fixture	81.2	0.0	81.2
Total	Lumens	4457.0	0.0	4457.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.4	1.6
10°-20°	187.5	4.2
20°-30°	284.8	6.4
30°-40°	423.3	9.5
40°-50°	629.6	14.1
50°-60°	854.6	19.2
60°-70°	1043.3	23.4
70°-80°	818.8	18.4
80°-90°	141.8	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°	4457.0	100.0
0°-180°	4457.0	100.0

Coefficient of Utilization



REPORT NUMBER: P945804

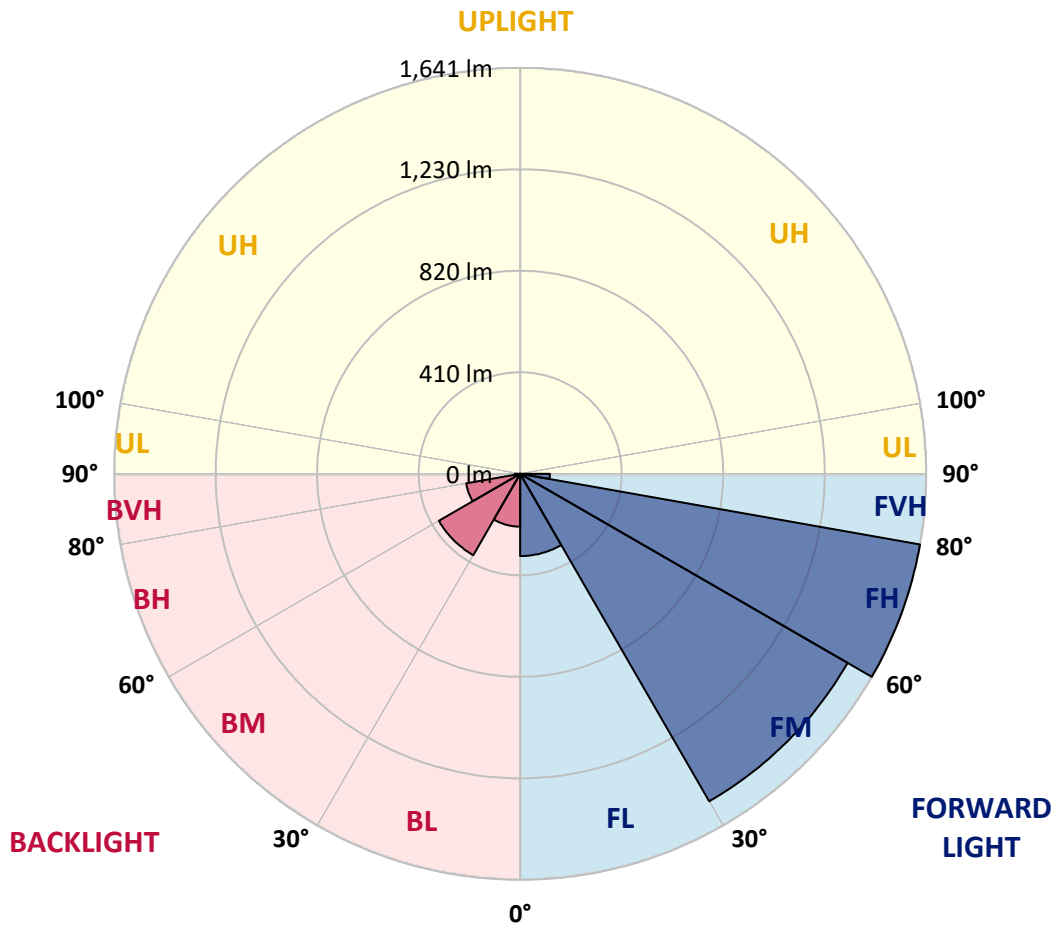
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	332.3	7.5			
FM (30°-60°)	1528.0	34.3			
FH (60°-80°)	1640.6	36.8			G1/1800
FVH (80°-90°)	120.1	2.7			G2/225
BL (0°-30°)	213.3	4.8	B1/500		
BM (30°-60°)	379.4	8.5	B1/1000		
BH (60°-80°)	221.5	5.0	B1/500		G1/500
BVH (80°-90°)	21.7	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-G2

Type IV Medium



REPORT NUMBER: P945804

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1
2.5°	825.0	822.1	825.0	823.8	823.3	822.4	822.6	824.3	823.3	824.5
5°	819.5	817.8	820.7	820.0	823.1	823.6	826.7	828.6	829.8	830.1
7.5°	810.4	808.7	812.8	816.2	822.9	824.8	831.3	834.4	836.1	838.9
10°	777.1	776.4	786.4	799.1	815.0	824.8	834.6	839.9	842.5	850.2
12.5°	718.1	719.1	732.2	756.7	788.3	820.0	838.5	846.1	850.2	859.8
15°	661.7	661.5	675.9	702.0	746.4	798.9	840.4	853.6	860.5	874.7
17.5°	629.1	628.2	638.2	658.2	699.4	766.5	835.6	857.6	872.5	890.2
20°	623.1	621.2	626.5	636.3	665.6	731.0	823.1	857.6	882.1	905.1
22.5°	645.0	641.8	639.7	638.5	651.4	701.8	809.0	854.8	896.2	926.4
25°	688.8	684.0	673.0	662.2	658.4	688.6	796.5	854.0	917.3	955.2
27.5°	759.8	753.8	731.5	705.6	682.4	695.3	791.0	858.4	940.6	985.7
30°	847.8	841.3	813.3	773.5	731.8	720.2	797.9	871.1	970.3	1026.2
32.5°	926.7	919.5	895.5	855.0	798.7	763.4	820.0	895.3	1017.1	1082.5
35°	996.7	988.3	966.7	929.3	880.7	824.1	859.8	938.2	1083.5	1174.1
37.5°	1065.3	1055.4	1031.9	992.4	958.3	904.9	914.7	993.3	1171.7	1285.4
40°	1142.0	1127.8	1099.3	1060.2	1027.1	999.6	986.9	1061.0	1261.4	1409.6
42.5°	1216.3	1202.9	1168.8	1135.5	1094.0	1086.1	1070.5	1140.1	1359.5	1546.0
45°	1296.4	1280.3	1239.1	1196.9	1170.8	1143.7	1151.6	1219.2	1455.6	1685.1
47.5°	1371.4	1353.5	1304.8	1257.8	1243.4	1192.1	1225.9	1306.2	1555.6	1826.0
50°	1412.0	1394.2	1353.7	1311.3	1300.0	1251.8	1306.5	1401.9	1660.4	1966.5
52.5°	1445.8	1426.6	1373.6	1350.1	1346.8	1316.8	1405.7	1511.2	1765.1	2090.7
55°	1481.7	1460.4	1392.8	1371.7	1387.0	1389.7	1523.5	1635.2	1875.9	2211.8
57.5°	1523.2	1496.1	1411.2	1389.9	1426.4	1475.0	1658.7	1763.7	1984.8	2324.0
60°	1562.3	1535.0	1446.7	1418.9	1468.8	1574.0	1813.8	1919.3	2108.0	2424.0
62.5°	1570.0	1547.4	1475.0	1474.8	1526.3	1689.6	1997.5	2076.4	2215.7	2522.8
65°	1437.1	1423.0	1380.1	1472.6	1608.8	1856.0	2202.0	2277.3	2352.6	2609.1
67.5°	1093.8	1095.7	1092.6	1271.2	1542.2	2095.1	2498.1	2492.3	2521.6	2706.0
70°	500.1	511.4	584.8	877.5	1235.5	2122.6	2987.7	2913.1	2733.8	2831.4
72.5°	270.2	278.8	308.8	425.1	742.8	1887.2	3353.6	3406.6	3016.0	2915.8
75°	198.3	203.1	223.9	270.2	311.9	1402.6	3222.4	3494.3	3051.2	2718.9
77.5°	148.4	150.6	167.6	214.1	159.7	739.4	2574.8	2893.9	2612.0	2233.9
80°	107.7	110.1	122.8	160.6	112.0	270.5	1768.0	2031.3	1788.9	1424.0
82.5°	74.3	75.3	80.8	109.3	78.2	105.0	1003.2	1191.1	998.6	499.7
85°	44.8	46.0	48.4	63.8	44.4	49.9	433.0	447.9	298.5	119.4
87.5°	18.5	19.7	21.6	26.9	17.5	13.9	71.4	89.7	55.9	35.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P945804
 CATALOG NUMBER: GALN-SB1C-927-U-SL3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
818.1	0°	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1
820.5	2.5°	819.3	817.6	813.0	806.8	801.0	793.9	790.7	788.1	785.7	781.1
826.9	5°	824.3	819.8	807.5	791.7	773.7	754.1	734.9	721.7	710.4	702.0
834.4	7.5°	832.0	823.3	801.0	768.7	727.4	685.2	647.1	620.0	599.6	592.2
844.9	10°	839.9	829.6	790.7	733.7	662.5	597.5	546.9	519.1	502.8	497.5
857.4	12.5°	849.2	834.1	774.7	685.0	589.8	518.6	474.5	458.2	449.8	446.9
872.7	15°	862.9	838.0	750.5	624.1	520.5	461.1	432.5	421.3	416.9	416.7
888.6	17.5°	873.2	838.7	712.8	558.9	467.3	426.3	402.8	398.5	401.4	405.7
904.1	20°	884.7	832.2	663.4	499.4	429.9	395.8	386.0	388.9	395.8	402.1
924.8	22.5°	892.9	820.5	603.7	453.2	397.5	378.3	377.9	383.9	387.7	390.8
949.0	25°	900.1	800.6	540.4	414.3	370.9	367.8	373.1	371.2	368.5	371.2
973.2	27.5°	905.3	769.2	483.8	380.3	352.2	360.6	357.5	353.2	352.9	354.4
1001.7	30°	903.7	727.2	437.3	347.9	339.0	347.2	339.7	339.0	338.3	339.0
1044.6	32.5°	903.7	679.5	401.6	325.6	330.6	327.5	326.8	325.1	322.2	322.0
1102.9	35°	908.7	631.8	370.9	313.6	323.7	316.2	316.7	312.7	306.7	303.8
1180.1	37.5°	919.0	593.4	340.5	307.9	311.5	311.2	309.3	302.3	291.8	282.7
1276.5	40°	943.9	582.1	319.6	305.2	305.7	308.6	303.5	290.1	266.1	251.3
1374.3	42.5°	983.0	601.1	315.0	298.7	301.9	304.7	294.9	263.7	246.7	237.8
1476.9	45°	1032.7	634.2	324.9	289.4	292.8	297.8	268.5	253.7	246.0	246.2
1578.6	47.5°	1095.5	668.9	343.1	281.2	279.6	282.4	251.0	241.9	231.4	234.0
1676.2	50°	1168.1	704.2	360.4	270.2	264.9	255.6	239.8	231.1	217.7	211.5
1770.4	52.5°	1246.8	738.2	367.3	256.8	249.1	238.3	232.1	221.5	205.2	194.9
1859.4	55°	1321.3	769.2	359.6	240.7	233.3	224.9	223.9	217.5	200.0	185.6
1938.5	57.5°	1391.8	795.1	340.5	224.4	217.2	212.2	218.7	215.5	193.5	175.0
2013.3	60°	1451.5	812.8	312.7	207.9	202.8	200.2	210.0	209.1	184.4	163.8
2080.4	62.5°	1499.0	819.8	282.0	192.1	190.9	186.1	198.0	198.0	172.9	152.7
2139.4	65°	1536.2	813.0	250.8	176.5	178.9	171.7	183.4	182.0	160.6	142.9
2207.3	67.5°	1569.0	791.0	216.3	161.1	166.6	157.5	168.1	164.7	147.2	133.1
2266.0	70°	1583.6	739.7	176.9	145.8	152.5	143.6	152.7	146.5	132.1	122.5
2201.5	72.5°	1466.2	614.8	139.3	129.7	135.5	128.3	136.2	129.0	115.8	111.5
1901.1	75°	1213.0	461.3	107.2	112.2	116.5	111.0	116.3	111.0	99.0	102.1
1404.3	77.5°	880.9	311.5	82.0	93.7	95.7	92.8	97.3	91.3	80.6	79.8
699.9	80°	438.0	182.5	64.3	74.1	73.4	71.4	76.7	73.8	64.7	68.6
188.9	82.5°	126.8	78.2	46.8	52.0	50.6	51.1	54.9	56.3	84.4	83.7
58.7	85°	39.8	30.7	28.1	29.0	27.6	28.3	32.4	64.3	59.5	34.8
18.2	87.5°	10.3	10.5	7.0	7.4	7.7	9.1	10.3	39.1	18.7	12.2
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>
818.1
779.0
695.1
579.3
489.4
447.6
417.7
407.4
404.2
392.5
372.8
356.8
341.7
325.1
306.7
285.8
253.2
237.8
247.4
240.7
213.1
194.7
185.6
174.1
163.0
152.0
141.9
132.1
120.6
107.9
93.3
76.2
67.9
85.6
37.6
12.9
0.0

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