

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: P945098

Luminaire Tested: **GALN-SB1A-927-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945098
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1A-927-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2768 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

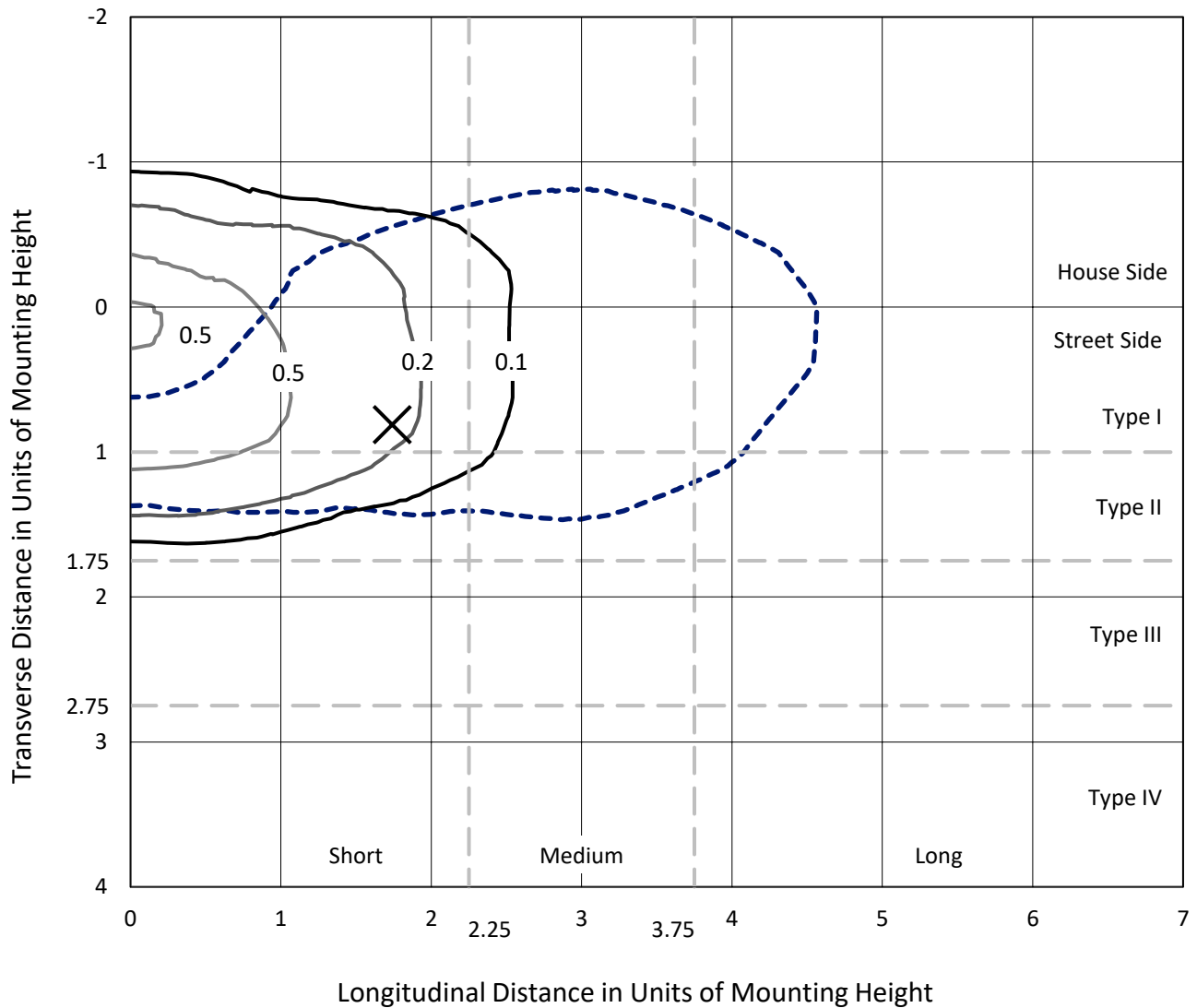
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

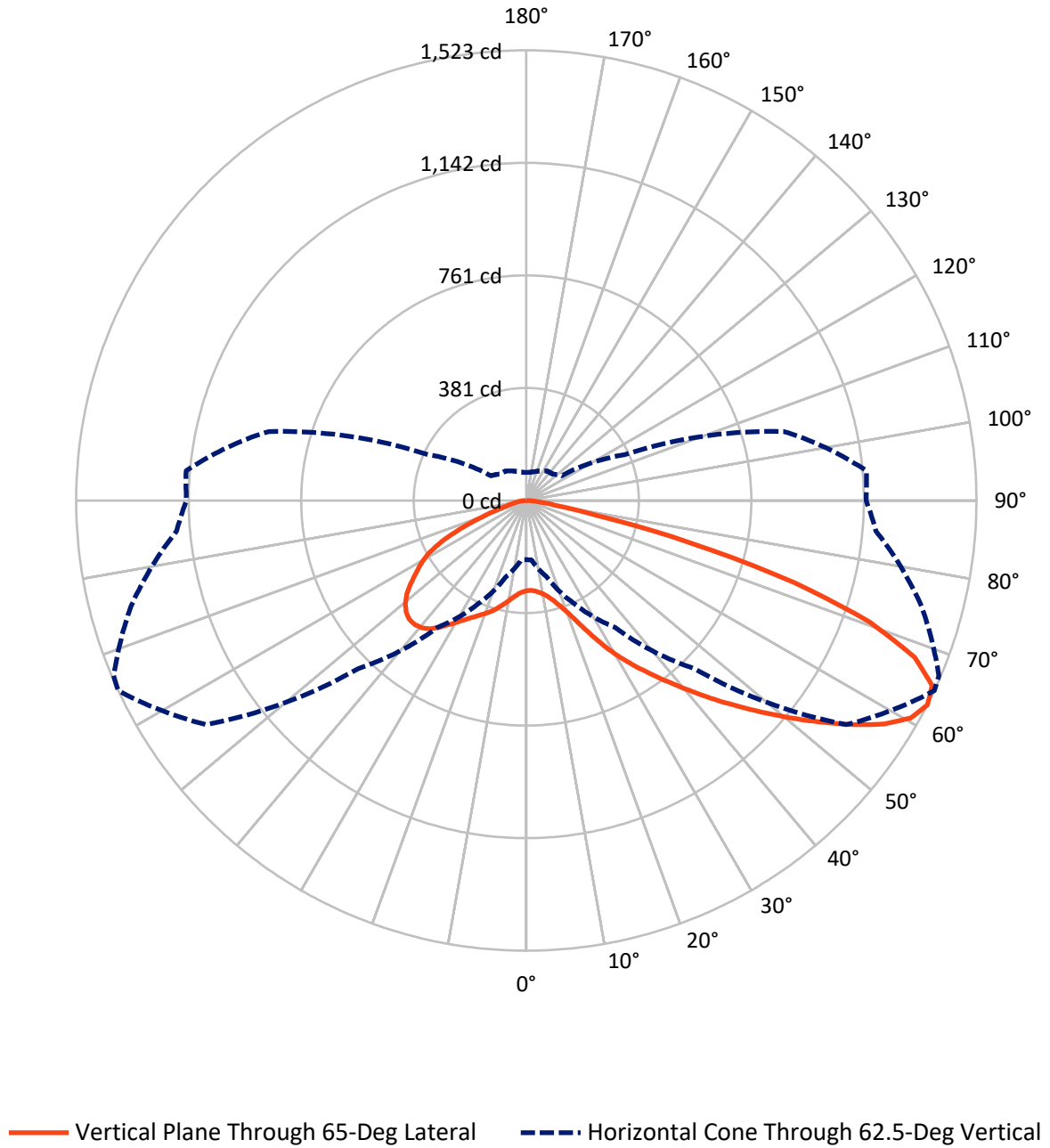
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	873.5	0.0	873.5
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	1894.5	0.0	1894.5
	% Fixture	68.4	0.0	68.4
Total	Lumens	2768.0	0.0	2768.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.4	1.1
10°-20°	103.1	3.7
20°-30°	209.1	7.6
30°-40°	361.8	13.1
40°-50°	547.6	19.8
50°-60°	642.0	23.2
60°-70°	538.2	19.4
70°-80°	297.1	10.7
80°-90°	38.6	1.4
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°	2768.0	100.0
0°-180°	2768.0	100.0

Coefficient of Utilization

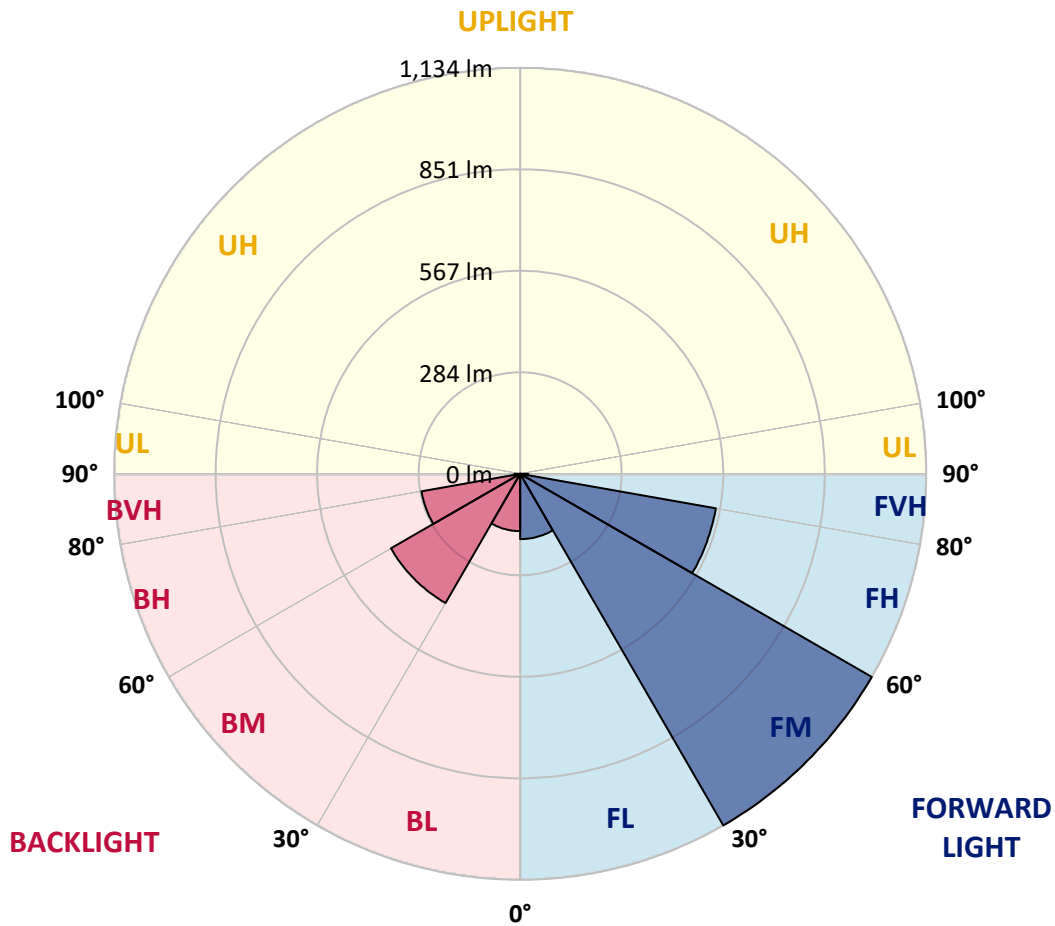


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	182.4	6.6			
FM (30°-60°)	1134.4	41.0			
FH (60°-80°)	555.2	20.1			G0/660
FVH (80°-90°)	22.5	0.8			G1/100
BL (0°-30°)	160.2	5.8	B1/500		
BM (30°-60°)	417.0	15.1	B1/1000		
BH (60°-80°)	280.2	10.1	B1/500		G1/500
BVH (80°-90°)	16.1	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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	305.0	305.0	305.0	305.0	305.0	305.0	305.0	305.0	305.0	305.0
2.5°	303.0	302.1	302.9	302.9	303.2	303.0	304.0	304.3	304.7	305.6
5°	300.0	299.9	301.1	302.3	303.4	304.4	305.7	307.6	307.9	308.9
7.5°	299.0	298.1	300.1	301.6	304.3	306.7	310.2	313.4	314.6	315.1
10°	306.7	305.3	307.2	308.0	310.3	312.8	316.8	321.8	323.3	325.0
12.5°	320.0	318.4	321.1	322.4	324.6	326.7	329.4	334.3	335.0	338.2
15°	338.1	336.2	337.9	339.5	343.1	345.1	347.8	352.6	352.6	355.0
17.5°	362.6	360.2	361.5	362.0	364.3	367.3	371.9	376.1	378.3	377.4
20°	399.2	396.2	396.2	393.3	392.5	394.9	401.0	406.7	409.0	404.5
22.5°	454.2	449.9	447.5	437.7	433.8	434.1	440.2	447.2	449.1	441.2
25°	524.2	517.4	514.1	499.8	491.0	483.4	488.1	497.2	499.8	490.0
27.5°	594.1	594.5	591.4	574.1	559.6	545.7	543.3	552.7	555.5	544.4
30°	692.2	682.0	676.0	655.3	634.6	615.1	605.0	608.9	609.6	596.4
32.5°	776.8	774.2	761.3	743.2	716.6	686.0	669.2	663.0	661.9	643.1
35°	873.1	871.7	858.1	836.5	807.8	765.3	735.0	717.3	715.9	689.5
37.5°	971.1	971.1	957.7	934.2	904.4	851.3	805.2	777.2	772.6	738.1
40°	1049.2	1044.5	1046.9	1037.0	1003.0	946.5	883.2	842.5	836.4	795.0
42.5°	1093.6	1092.0	1106.6	1117.7	1103.8	1058.7	969.1	913.3	904.7	857.6
45°	1103.5	1101.8	1127.9	1168.4	1187.9	1169.4	1062.4	987.9	977.4	923.1
47.5°	1080.6	1077.2	1115.5	1179.4	1242.1	1274.7	1163.5	1068.7	1053.5	986.9
50°	1012.0	1008.7	1066.7	1151.6	1260.3	1346.2	1273.2	1154.5	1131.2	1055.2
52.5°	862.8	864.4	955.3	1071.9	1236.3	1390.7	1367.7	1244.8	1216.8	1125.2
55°	672.1	675.5	787.3	915.6	1140.4	1383.9	1432.2	1337.8	1310.0	1190.9
57.5°	481.2	496.4	601.1	728.2	956.1	1277.0	1446.3	1426.3	1399.3	1262.7
60°	311.9	314.6	422.3	550.4	728.1	1086.8	1417.7	1493.4	1472.3	1336.0
62.5°	199.9	201.8	267.4	385.0	524.0	804.1	1321.5	1522.5	1516.1	1384.4
65°	146.9	145.5	179.7	254.5	353.0	495.9	1134.6	1508.4	1521.2	1414.7
67.5°	122.6	120.6	137.4	176.2	260.1	281.6	839.5	1417.0	1463.8	1411.2
70°	111.7	110.0	120.2	130.8	202.9	188.6	423.2	1231.9	1304.0	1372.0
72.5°	94.6	91.6	105.6	116.2	157.8	144.6	174.9	946.2	1034.1	1246.4
75°	73.4	71.4	83.3	102.2	118.6	112.9	110.6	574.6	670.5	963.9
77.5°	58.2	55.4	66.3	79.7	106.7	85.2	80.6	247.4	342.5	615.4
80°	43.8	41.4	50.4	63.0	82.0	64.2	52.1	101.0	129.1	311.8
82.5°	31.2	29.0	35.2	46.2	55.1	57.6	32.0	56.6	63.6	120.2
85°	20.0	18.7	23.6	29.0	35.0	37.1	19.5	29.6	32.5	49.5
87.5°	10.9	8.9	12.6	13.5	16.2	14.8	9.3	10.8	11.6	18.0
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°
305.0	0°	305.0	305.0	305.0	305.0	305.0	305.0	305.0	305.0	305.0	305.0
305.6	2.5°	306.2	306.6	308.0	308.5	309.5	310.8	311.6	312.5	312.5	313.4
310.2	5°	310.3	311.3	314.4	315.9	318.5	321.1	322.7	324.6	325.7	326.3
317.5	7.5°	318.4	320.0	324.3	327.0	331.4	335.0	337.5	340.1	340.6	342.2
327.7	10°	329.3	331.2	336.0	341.2	346.5	351.0	353.3	355.1	355.9	356.1
340.8	12.5°	341.8	344.5	350.8	357.2	362.8	366.6	367.2	366.8	364.8	363.0
356.9	15°	357.2	359.6	366.6	373.5	379.0	379.7	376.1	373.8	371.4	370.9
374.8	17.5°	375.5	376.8	383.3	390.0	390.5	388.0	382.7	380.6	378.3	376.7
398.2	20°	396.9	396.5	401.1	404.0	401.0	393.5	385.4	381.9	379.6	377.7
426.9	22.5°	422.5	419.2	418.6	417.9	409.9	394.2	383.3	378.7	375.1	372.5
467.0	25°	459.7	447.0	438.3	433.4	415.3	390.3	376.4	366.2	359.4	355.0
516.0	27.5°	506.2	485.0	462.8	450.9	415.3	382.4	359.7	343.2	332.2	327.6
563.4	30°	550.6	528.3	495.7	472.0	414.3	369.5	332.9	309.9	297.0	292.4
603.9	32.5°	588.5	564.2	530.6	495.2	411.9	348.5	299.6	274.1	261.7	256.2
643.9	35°	623.7	597.8	565.7	520.6	405.4	317.8	262.9	243.6	229.6	220.9
684.7	37.5°	659.7	629.0	598.8	543.6	393.8	281.9	234.8	218.3	201.9	190.1
728.1	40°	698.9	662.2	634.3	557.2	374.7	247.7	213.0	197.9	180.5	168.0
778.1	42.5°	744.7	702.0	673.8	564.2	348.5	223.5	198.8	184.0	167.6	157.4
831.6	45°	792.6	745.8	709.9	564.1	319.4	212.1	194.2	179.5	161.4	150.8
886.6	47.5°	842.7	791.6	741.0	554.9	294.1	213.7	191.6	169.9	149.9	139.6
942.2	50°	892.9	841.7	771.2	537.7	283.3	210.2	182.0	156.4	132.8	123.5
994.3	52.5°	942.8	895.0	797.2	513.1	272.4	197.5	169.6	138.9	125.8	119.3
1048.2	55°	992.9	947.7	825.5	477.4	245.1	182.5	148.9	132.3	120.2	114.3
1100.9	57.5°	1043.2	1008.6	852.3	441.6	210.8	164.1	137.6	124.2	114.6	109.6
1145.0	60°	1095.4	1078.2	880.0	408.7	176.9	140.6	129.2	117.8	108.0	102.4
1187.3	62.5°	1149.3	1154.9	901.7	366.3	145.8	126.2	121.8	110.0	100.5	95.2
1222.4	65°	1203.6	1228.8	915.9	307.6	118.2	112.6	113.7	101.5	91.9	87.3
1248.1	67.5°	1244.5	1282.1	911.9	232.8	96.9	99.7	103.7	92.6	83.6	80.0
1243.9	70°	1249.1	1275.8	872.3	159.4	81.1	87.0	92.5	83.9	74.5	71.9
1185.3	72.5°	1187.9	1189.6	761.8	104.1	68.6	76.4	80.7	75.0	65.9	63.3
1037.0	75°	1027.5	983.9	559.3	68.6	57.4	65.6	69.6	65.6	56.9	57.4
775.9	77.5°	778.5	696.8	339.6	48.8	48.0	55.1	60.6	57.7	50.3	56.4
390.2	80°	401.1	377.0	151.5	36.5	37.9	44.1	49.8	46.1	39.8	37.9
87.2	82.5°	91.9	106.8	59.7	26.1	27.4	31.7	38.1	34.6	28.6	24.1
36.3	85°	32.2	35.2	26.4	16.4	16.1	19.8	25.8	23.1	19.4	15.5
15.4	87.5°	10.2	13.4	9.9	6.6	6.9	8.9	11.9	10.9	9.0	5.9
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>
305.0
313.4
326.6
341.6
355.4
363.0
370.9
376.8
377.8
373.4
356.7
329.9
295.1
258.9
223.7
193.3
170.5
159.4
152.5
141.0
124.1
119.3
113.7
108.7
102.0
95.1
87.2
80.1
72.1
63.2
55.4
49.7
34.6
23.8
16.4
6.2
0.0

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