

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: P945173

Luminaire Tested: **GALN-SB1A-950-U-SL3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945173
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1A-950-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 5000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2514 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

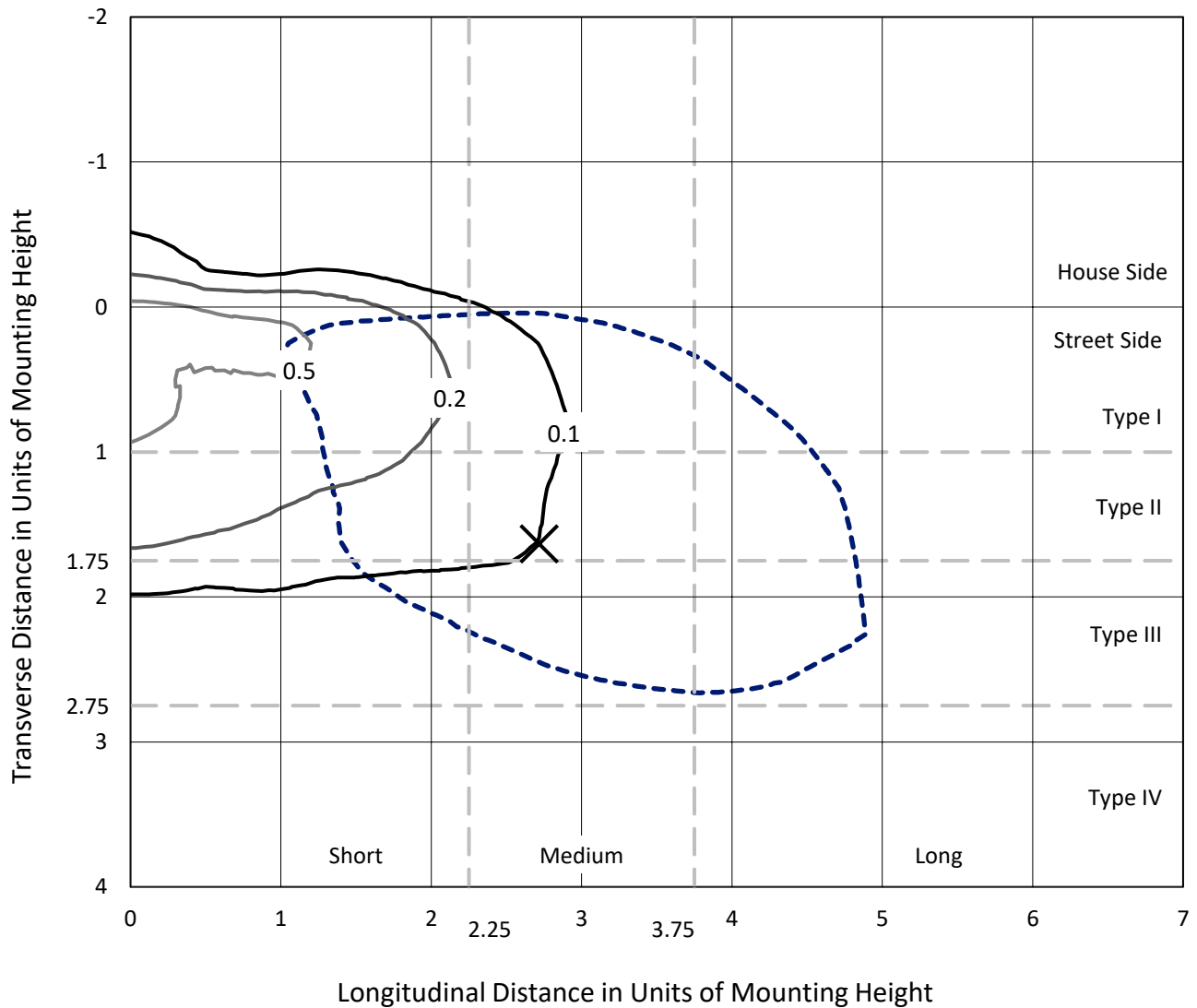
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

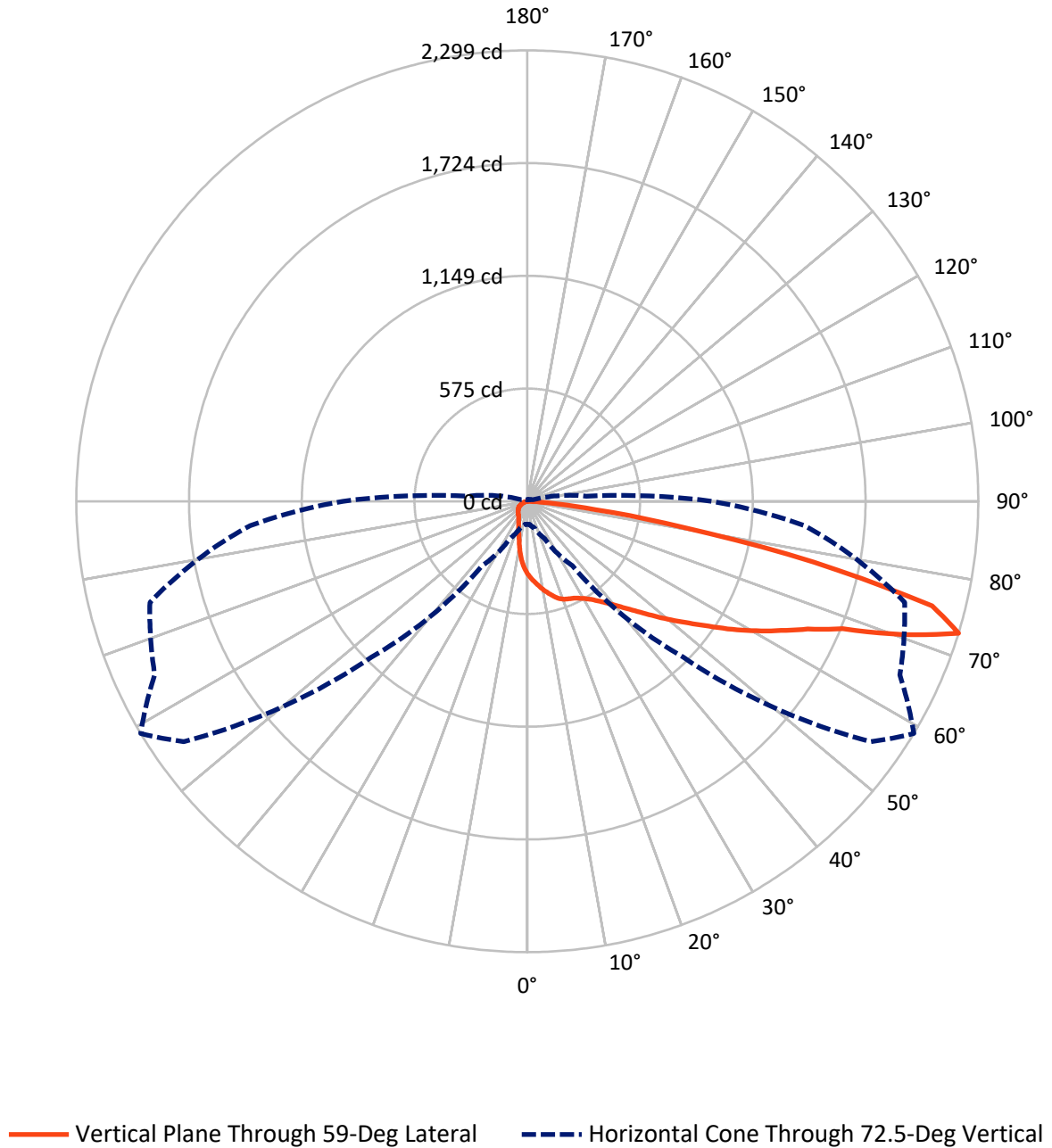
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	265.5	0.0	265.5
	% Fixture	10.6	0.0	10.6
Street Side	Lumens	2248.5	0.0	2248.5
	% Fixture	89.4	0.0	89.4
Total	Lumens	2514.0	0.0	2514.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.6	1.3
10°-20°	89.3	3.6
20°-30°	141.6	5.6
30°-40°	227.2	9.0
40°-50°	362.9	14.4
50°-60°	525.5	20.9
60°-70°	623.6	24.8
70°-80°	462.9	18.4
80°-90°	47.3	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°	2514.0	100.0
0°-180°	2514.0	100.0

Coefficient of Utilization



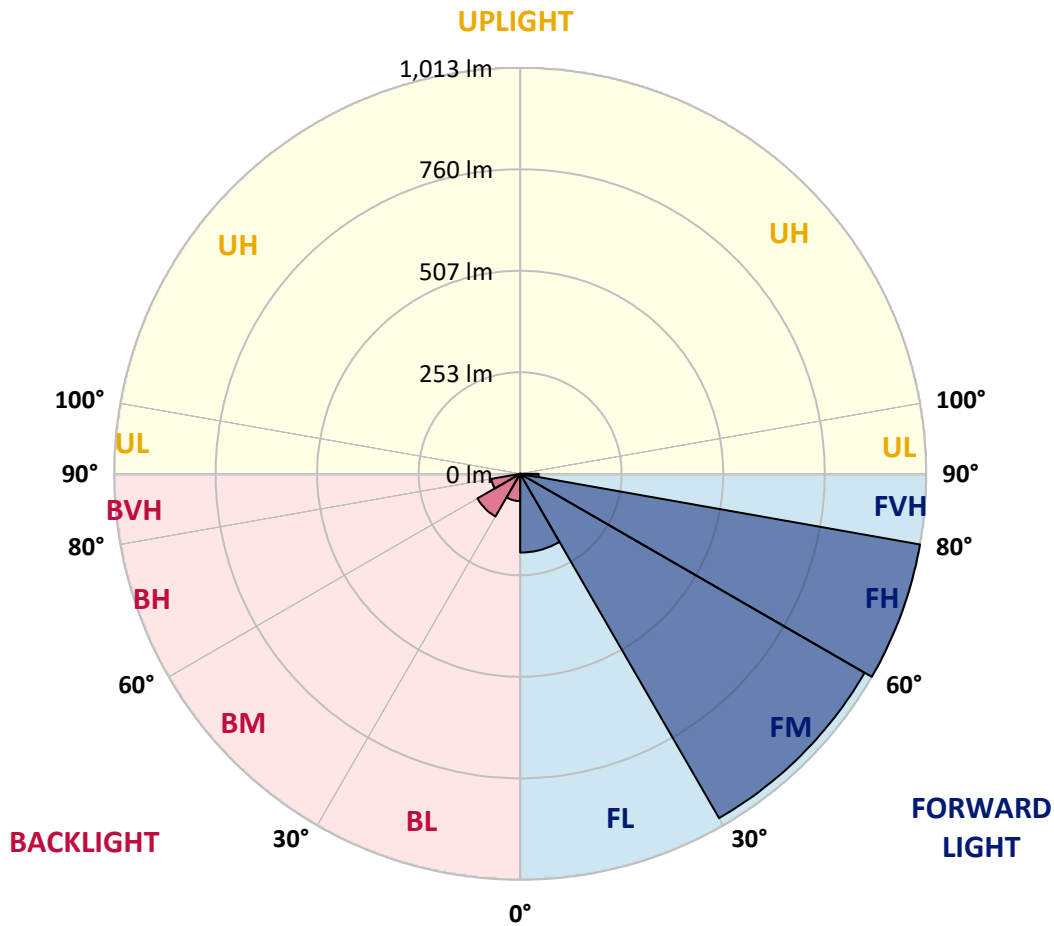
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	196.5	7.8			
FM (30°-60°)	992.5	39.5			
FH (60°-80°)	1013.3	40.3			G1/1800
FVH (80°-90°)	46.1	1.8			G1/100
BL (0°-30°)	68.0	2.7	B0/110		
BM (30°-60°)	123.1	4.9	B0/220		
BH (60°-80°)	73.2	2.9	B0/110		G0/110
BVH (80°-90°)	1.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	371.8	371.8	371.8	371.8	371.8	371.8	371.8	371.8	371.8	371.8
2.5°	412.5	410.2	410.5	406.6	403.8	400.8	395.1	394.2	390.1	382.9
5°	448.4	446.9	445.6	441.2	435.4	428.2	418.5	415.1	407.5	395.1
7.5°	474.7	472.9	473.5	469.1	464.5	456.5	443.2	436.8	426.7	407.7
10°	479.8	478.8	483.0	484.7	484.7	479.6	466.6	460.2	445.6	421.3
12.5°	451.2	451.4	462.0	474.8	491.6	496.3	487.6	480.7	466.3	435.8
15°	417.9	418.0	428.4	444.8	472.2	499.6	506.5	502.1	487.1	451.4
17.5°	397.9	397.0	403.9	417.4	446.1	484.7	518.0	521.0	508.8	468.6
20°	395.1	393.6	397.2	403.9	424.4	466.0	519.3	533.3	531.1	488.1
22.5°	412.1	409.8	407.9	408.2	416.9	450.4	516.0	540.2	554.1	511.6
25°	445.9	442.3	435.9	427.7	425.9	447.1	513.7	547.7	575.4	541.6
27.5°	487.3	482.2	469.9	457.6	447.1	456.3	518.5	559.7	599.6	576.6
30°	532.8	526.5	514.2	490.9	474.2	476.8	529.8	575.4	630.4	616.2
32.5°	599.6	585.1	563.6	528.0	505.9	499.0	546.9	595.5	668.7	668.8
35°	656.9	648.8	627.2	582.8	537.4	528.3	569.4	623.7	721.7	738.6
37.5°	694.4	683.4	664.4	631.1	586.3	558.5	599.4	658.3	777.8	818.0
40°	736.5	725.6	700.4	669.0	643.1	610.4	637.3	698.2	839.4	899.6
42.5°	787.2	773.1	743.2	709.4	682.3	678.7	686.9	748.0	902.6	988.2
45°	846.8	833.5	799.2	756.5	732.7	726.3	749.3	805.9	973.0	1085.4
47.5°	902.6	887.1	850.2	811.3	784.9	764.7	815.6	874.3	1052.7	1187.0
50°	950.0	934.2	900.4	858.9	841.0	814.6	880.7	950.7	1131.9	1290.2
52.5°	982.5	968.5	928.8	900.6	888.5	875.2	957.1	1031.6	1210.6	1384.8
55°	975.1	962.6	927.7	925.7	924.9	938.8	1048.3	1123.3	1290.9	1474.2
57.5°	951.6	937.5	893.9	923.9	953.0	995.6	1147.1	1231.8	1378.9	1558.6
60°	882.5	877.6	851.0	920.5	964.8	1051.3	1260.0	1340.8	1474.1	1632.8
62.5°	736.3	740.6	740.4	927.7	986.1	1114.6	1362.6	1451.1	1567.1	1704.2
65°	551.3	566.1	585.0	862.7	1014.7	1227.7	1485.2	1570.8	1661.7	1787.2
67.5°	370.4	382.3	395.1	707.7	929.6	1346.5	1688.9	1734.7	1774.9	1879.3
70°	212.1	215.8	233.7	442.0	716.6	1313.7	2020.6	2037.2	1943.8	1992.7
72.5°	118.8	117.5	141.2	209.8	400.5	1125.0	2136.8	2298.5	2095.0	1990.9
75°	79.4	79.6	97.2	132.3	156.1	787.5	1841.4	2131.3	2004.4	1765.4
77.5°	54.2	56.0	71.4	102.3	72.2	384.2	1218.2	1493.0	1622.8	1363.3
80°	23.5	23.6	47.1	73.4	48.7	122.3	631.6	799.8	1017.8	765.5
82.5°	12.1	13.8	30.0	47.4	30.7	42.8	298.4	349.4	427.1	224.7
85°	4.3	5.1	18.5	23.3	15.4	15.3	103.9	105.9	90.4	33.8
87.5°	0.0	0.8	7.2	5.7	2.0	1.8	12.3	10.3	8.2	4.8
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°
371.8	0°	371.8	371.8	371.8	371.8	371.8	371.8	371.8	371.8	371.8	371.8
375.5	2.5°	372.1	367.7	360.4	351.6	341.2	335.7	327.6	322.7	318.3	318.4
380.6	5°	372.6	365.2	346.8	327.3	305.6	289.7	272.0	259.5	250.0	247.7
385.9	7.5°	374.1	361.6	331.5	299.0	262.9	236.2	211.7	196.3	187.6	185.3
391.3	10°	376.0	357.6	314.3	264.6	219.8	187.6	167.3	157.4	153.5	150.5
398.2	12.5°	377.7	353.5	292.6	229.0	181.4	156.3	140.8	132.6	129.2	127.0
406.2	15°	380.5	348.1	269.2	195.8	155.4	134.9	120.3	114.2	113.3	113.6
415.1	17.5°	383.3	342.9	242.9	169.9	136.4	116.2	107.3	106.4	107.7	109.0
425.3	20°	386.4	335.3	216.3	150.3	118.8	103.2	100.9	101.6	102.3	104.6
439.2	22.5°	391.0	325.8	193.0	133.8	104.2	97.0	95.9	96.3	96.8	99.1
457.6	25°	397.5	315.6	174.1	118.5	95.0	91.9	90.8	90.8	91.4	93.6
478.9	27.5°	404.4	301.2	158.9	104.4	89.6	86.3	84.4	84.4	85.2	87.6
505.7	30°	412.1	288.1	146.9	93.9	85.0	80.8	78.1	77.5	78.5	81.6
544.4	32.5°	426.1	279.5	138.4	89.0	80.9	75.7	72.1	70.2	71.2	74.8
598.6	35°	447.3	277.5	132.5	86.5	77.0	71.1	66.0	63.2	64.0	67.8
665.4	37.5°	472.0	281.7	126.7	83.2	73.2	66.6	59.9	56.3	57.6	61.1
741.7	40°	507.7	298.7	122.3	80.8	69.4	61.4	53.8	50.2	52.4	55.3
821.2	42.5°	550.7	329.1	121.1	78.5	64.8	55.8	48.3	45.6	47.3	50.1
901.4	45°	604.0	367.8	126.4	75.5	59.7	50.4	43.8	42.3	42.8	45.6
977.2	47.5°	661.3	407.5	140.8	72.9	55.3	46.0	40.4	39.1	38.7	41.4
1046.5	50°	719.2	442.8	157.9	70.9	52.2	42.3	37.8	36.1	35.3	36.9
1115.0	52.5°	776.5	470.9	169.1	67.6	49.1	38.7	35.5	33.0	31.5	32.3
1183.1	55°	834.6	495.5	169.7	62.7	46.1	36.4	33.2	30.4	28.6	28.6
1248.7	57.5°	888.9	517.2	160.0	56.1	42.0	34.3	30.0	27.7	25.8	25.1
1307.0	60°	937.0	533.3	143.9	48.7	38.4	31.5	26.9	25.1	22.7	21.3
1358.9	62.5°	979.9	541.1	122.0	41.2	34.0	28.2	24.0	22.0	18.7	17.1
1411.5	65°	1016.1	533.1	99.0	34.1	30.2	24.6	20.5	18.5	14.9	13.0
1470.8	67.5°	1052.1	496.3	74.8	28.7	26.3	20.7	16.9	15.1	12.5	10.8
1514.0	70°	1056.7	419.0	52.4	24.1	21.8	15.9	13.6	12.5	10.2	8.7
1417.6	72.5°	940.6	301.5	31.8	19.7	17.1	11.3	10.8	9.8	7.6	6.6
1158.3	75°	751.9	184.8	18.7	14.8	11.3	8.0	8.0	7.1	5.1	4.3
799.7	77.5°	519.6	96.7	11.0	9.5	6.7	4.8	5.3	4.3	2.5	2.0
316.8	80°	208.1	36.8	5.9	4.4	3.1	2.1	1.8	1.0	0.5	0.3
65.0	82.5°	41.5	9.7	2.0	1.1	1.1	0.5	0.0	0.0	0.0	0.0
17.9	85°	10.7	2.1	0.5	0.3	0.3	0.0	0.0	0.0	0.0	0.0
5.9	87.5°	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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>
371.8
322.0
251.1
187.6
152.3
128.2
114.1
109.5
105.2
99.8
94.4
88.6
82.4
75.8
68.9
62.0
55.8
50.6
46.9
43.0
37.6
33.0
28.9
25.3
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