

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: P939214

Luminaire Tested: **GALN-SB1C-950-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939214
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
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-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 5000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3806 lumens
Efficiency: N/A
Efficacy: 70.0 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

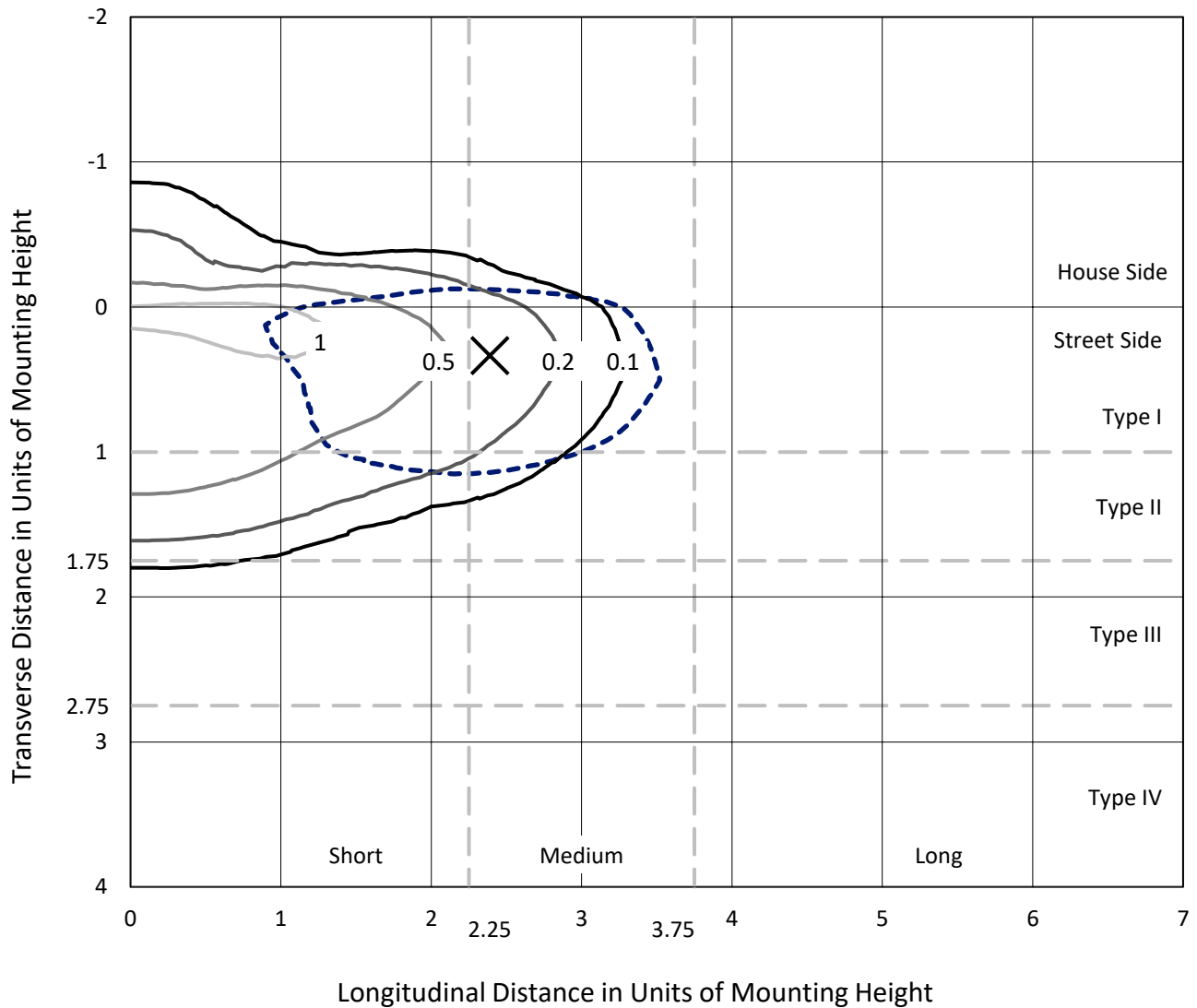
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

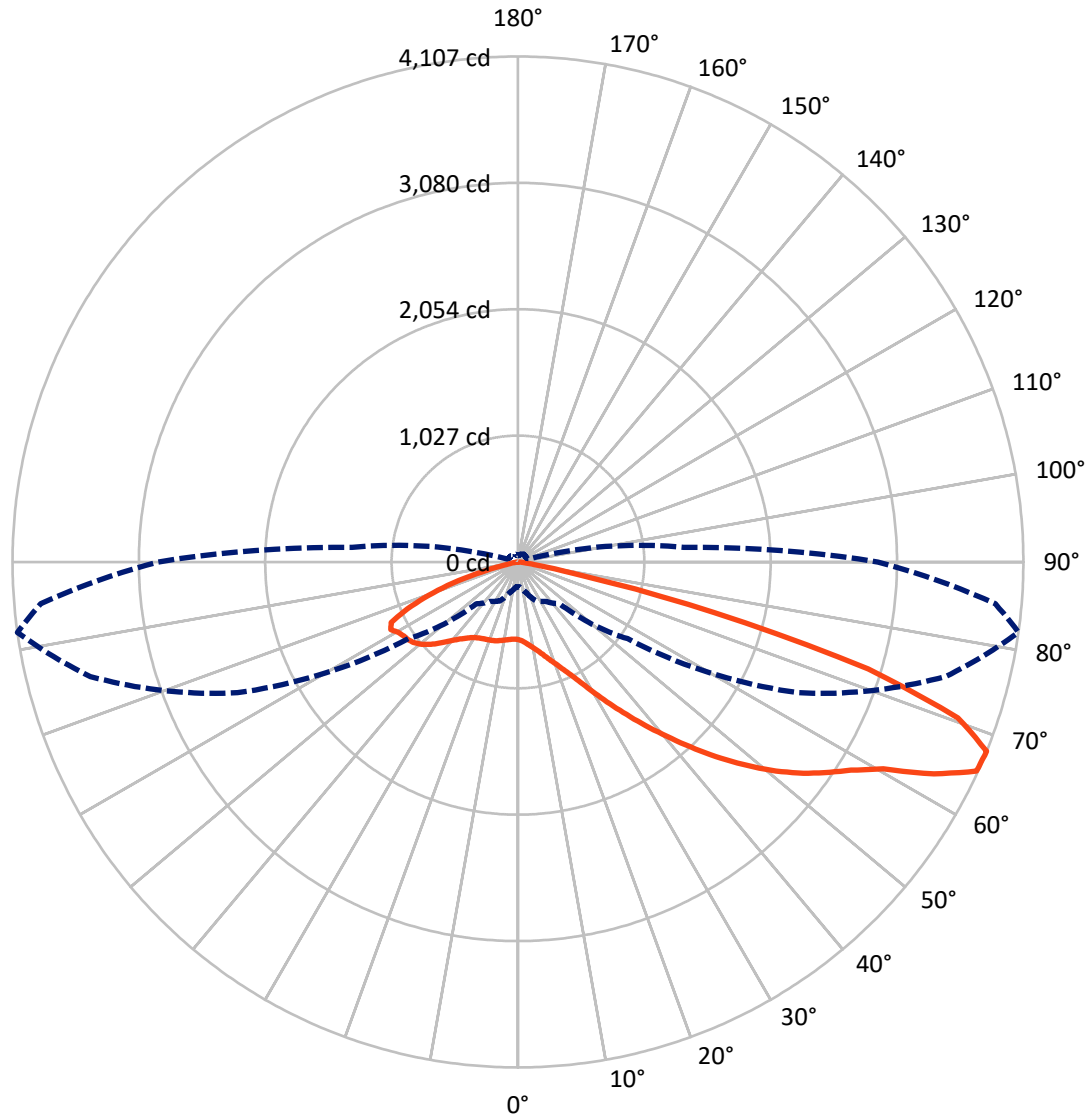
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	689.4	0.0	689.4
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	3116.6	0.0	3116.6
	% Fixture	81.9	0.0	81.9
Total	Lumens	3806.0	0.0	3806.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.2	1.5
10°-20°	146.0	3.8
20°-30°	233.8	6.1
30°-40°	413.4	10.9
40°-50°	724.4	19.0
50°-60°	966.1	25.4
60°-70°	899.4	23.6
70°-80°	345.2	9.1
80°-90°	21.4	0.6
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°	3806.0	100.0
0°-180°	3806.0	100.0



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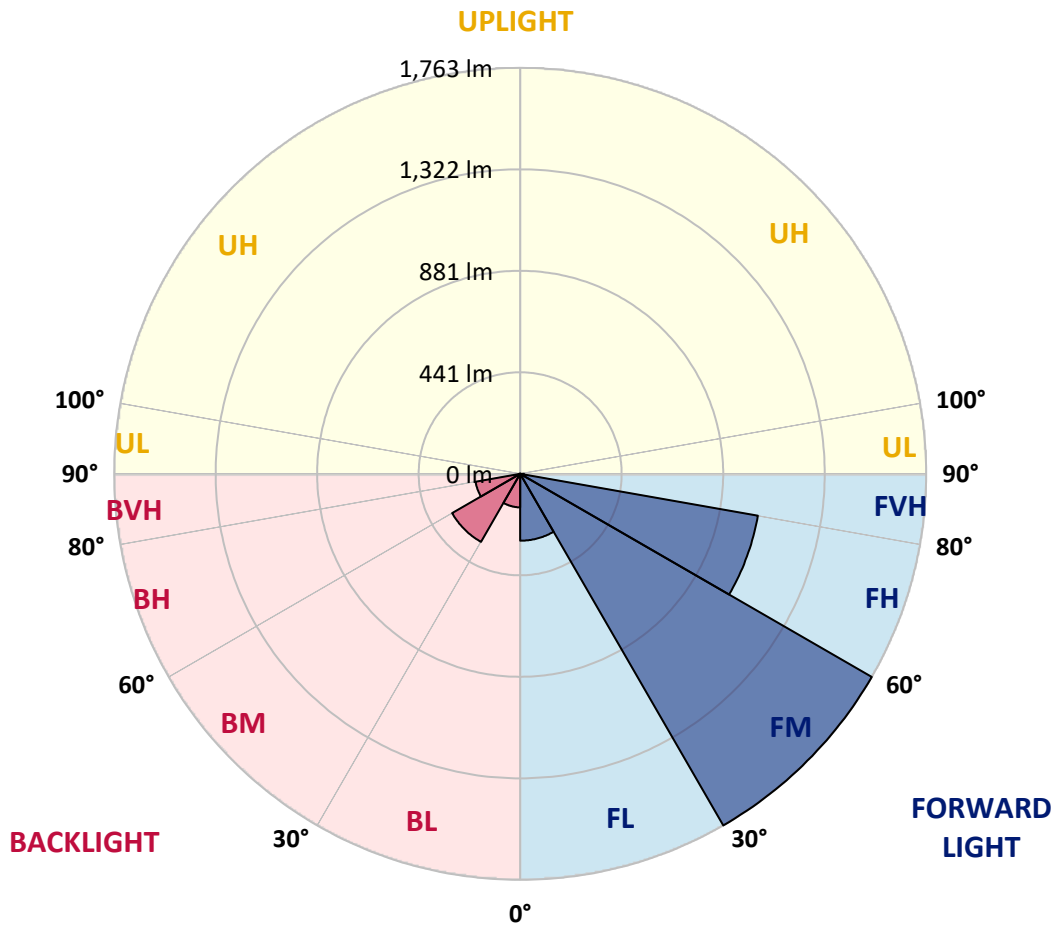
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	290.4	7.6			
FM (30°-60°)	1762.8	46.3			
FH (60°-80°)	1047.9	27.5			G1/1800
FVH (80°-90°)	15.6	0.4			G1/100
BL (0°-30°)	145.6	3.8	B1/500		
BM (30°-60°)	341.2	9.0	B1/1000		
BH (60°-80°)	196.8	5.2	B1/500		G1/500
BVH (80°-90°)	5.9	0.2			G0/10
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°	82°
0°	630.5	630.5	630.5	630.5	630.5	630.5	630.5	630.5	630.5	630.5
2.5°	666.4	670.3	668.1	667.0	665.1	662.3	660.1	653.3	646.1	641.5
5°	679.8	683.7	683.4	684.5	685.9	686.7	686.2	678.5	668.3	660.4
7.5°	668.3	672.7	676.3	681.8	691.4	701.5	706.4	704.8	694.4	683.4
10°	635.7	640.4	648.9	661.8	682.0	704.0	722.3	730.8	724.2	712.2
12.5°	576.0	580.7	597.4	625.3	659.3	697.4	732.5	755.2	756.8	744.8
15°	508.9	513.5	531.3	566.4	618.2	679.3	737.9	781.0	795.5	785.1
17.5°	467.2	471.3	484.7	513.0	567.0	643.1	736.0	808.4	841.5	833.3
20°	454.6	458.2	464.5	484.2	529.1	605.6	723.4	834.1	891.1	886.5
22.5°	468.0	471.3	473.2	482.0	510.2	580.9	707.5	860.4	948.7	949.2
25°	499.0	502.3	500.1	505.6	517.9	573.3	701.5	891.4	1021.0	1027.0
27.5°	550.0	550.2	545.0	544.8	546.7	584.8	707.8	924.6	1112.3	1123.5
30°	652.2	648.1	628.1	606.4	596.5	619.3	725.3	963.7	1219.9	1240.0
32.5°	809.7	803.7	767.0	715.2	663.1	674.9	756.8	1008.4	1337.2	1373.4
35°	980.7	979.1	940.7	863.7	772.7	754.1	808.1	1067.0	1465.2	1522.7
37.5°	1139.7	1138.8	1116.9	1026.2	915.5	864.5	890.3	1143.8	1602.2	1685.5
40°	1284.9	1287.4	1265.4	1184.3	1072.8	1006.2	1002.1	1238.6	1754.6	1862.8
42.5°	1410.4	1413.1	1390.9	1330.9	1228.2	1163.0	1139.4	1354.8	1903.4	2053.2
45°	1495.6	1512.6	1509.3	1461.4	1387.6	1320.0	1304.3	1500.5	2073.0	2255.2
47.5°	1519.7	1535.3	1560.0	1566.6	1521.6	1455.1	1473.7	1676.2	2244.5	2457.4
50°	1460.3	1474.8	1526.0	1594.3	1625.5	1604.9	1638.4	1864.4	2420.2	2659.1
52.5°	1343.0	1357.8	1422.4	1530.4	1657.8	1722.5	1803.6	2050.0	2590.3	2850.1
55°	1173.4	1189.0	1272.0	1394.2	1596.2	1771.0	1941.4	2235.2	2746.3	3021.9
57.5°	942.6	954.1	1040.5	1211.5	1441.1	1722.8	2043.1	2437.4	2893.1	3190.7
60°	614.4	624.5	724.8	915.5	1184.1	1561.7	2063.4	2662.9	3088.2	3410.2
62.5°	408.6	415.4	474.9	614.9	833.8	1252.3	1944.7	2843.0	3374.3	3792.2
65°	280.3	287.2	346.6	444.2	538.7	828.4	1603.6	2819.1	3633.5	4095.5
67.5°	200.0	205.8	256.2	348.3	389.9	481.2	1087.0	2514.4	3596.3	4107.0
70°	143.3	146.6	188.3	271.3	309.9	289.1	604.5	1923.1	3148.8	3792.5
72.5°	100.3	101.4	130.7	206.6	249.6	211.0	287.7	1282.2	2381.5	2976.7
75°	68.0	69.3	88.0	151.5	200.3	161.1	152.4	687.5	1398.1	1647.7
77.5°	41.7	42.2	56.7	103.6	149.9	122.8	98.1	291.3	540.9	531.1
80°	23.6	23.6	36.2	64.4	102.2	79.2	68.8	123.9	171.3	150.4
82.5°	13.2	13.4	26.3	40.0	67.7	46.9	37.8	57.3	74.0	65.5
85°	5.5	6.0	16.2	18.9	32.3	23.3	15.3	24.1	27.4	24.4
87.5°	0.5	0.8	4.9	3.6	3.8	4.7	2.2	4.7	3.8	3.8
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°
630.5	0°	630.5	630.5	630.5	630.5	630.5	630.5	630.5	630.5	630.5	630.5
639.8	2.5°	634.6	630.5	620.1	608.1	592.2	584.5	574.1	567.0	560.9	561.5
655.7	5°	647.0	636.6	613.3	584.2	548.0	522.3	494.9	476.0	460.6	457.3
677.7	7.5°	664.0	647.5	606.7	554.3	493.2	446.9	405.6	379.0	360.1	354.0
704.2	10°	685.9	662.0	598.2	516.8	428.8	369.9	325.5	304.7	291.8	287.4
735.5	12.5°	711.4	678.8	587.0	471.0	362.5	305.8	277.6	267.2	263.1	261.7
773.8	15°	743.4	699.6	570.0	416.8	306.4	266.6	254.6	253.2	253.7	253.2
819.9	17.5°	781.5	722.3	542.3	360.9	268.5	246.6	242.2	243.3	244.7	244.4
871.4	20°	823.2	744.8	506.9	311.3	242.8	232.4	229.9	231.0	232.1	231.5
930.9	22.5°	870.6	768.9	467.8	272.7	225.5	219.2	216.5	216.8	216.8	215.7
1006.2	25°	927.3	795.5	426.7	245.2	212.4	207.4	204.1	203.1	201.4	198.1
1097.7	27.5°	995.0	823.7	387.2	226.1	202.0	197.3	193.5	190.7	186.6	181.1
1207.6	30°	1071.2	858.0	353.8	214.0	193.7	189.1	184.7	180.6	174.6	167.7
1333.9	32.5°	1160.8	894.7	329.4	206.1	186.3	181.4	176.2	171.3	164.7	157.8
1475.9	35°	1267.6	939.1	315.1	200.6	180.6	174.0	168.2	162.8	157.8	151.8
1630.2	37.5°	1383.5	986.2	310.7	197.8	176.7	166.6	160.0	156.2	155.6	152.1
1797.0	40°	1510.4	1042.1	314.0	196.2	172.6	159.5	152.4	151.5	152.9	146.6
1975.4	42.5°	1644.7	1108.4	319.5	194.3	166.9	152.4	145.5	145.5	144.4	135.6
2164.0	45°	1789.9	1184.9	325.0	189.6	160.0	145.2	140.0	138.1	133.4	125.0
2353.6	47.5°	1936.2	1262.7	329.1	181.1	151.8	139.2	134.5	130.2	123.3	115.6
2539.6	50°	2075.2	1332.6	324.7	168.5	142.5	133.4	128.5	122.5	115.1	109.9
2715.8	52.5°	2199.3	1393.1	306.1	153.7	132.6	127.4	123.0	116.7	110.7	105.2
2874.8	55°	2307.3	1442.2	273.2	139.8	123.9	122.2	117.8	109.9	101.7	97.0
3032.3	57.5°	2410.8	1479.4	232.1	128.2	115.9	116.5	109.9	102.8	95.1	90.2
3244.7	60°	2548.7	1529.3	190.4	117.6	107.4	109.1	101.9	96.7	87.1	80.8
3608.9	62.5°	2769.0	1606.9	151.3	104.4	97.6	98.1	95.1	88.8	77.3	69.9
3878.8	65°	2943.8	1578.4	119.2	90.2	86.3	87.1	87.1	80.3	68.0	59.5
3893.3	67.5°	2924.1	1351.5	95.1	76.2	75.6	76.2	78.1	72.3	60.3	53.4
3596.8	70°	2693.6	1075.0	76.2	63.3	65.8	64.4	69.9	66.0	54.3	47.4
2788.5	72.5°	2197.9	774.4	58.1	52.3	50.4	52.6	63.0	59.5	45.2	37.5
1477.0	75°	1284.3	413.2	43.3	41.4	36.4	43.8	55.9	50.7	34.5	27.7
452.7	77.5°	418.2	144.1	31.8	30.4	27.1	35.3	47.7	42.7	28.2	21.9
132.6	80°	112.1	43.6	21.6	20.0	17.5	26.3	37.8	34.0	20.3	14.2
57.0	82.5°	44.9	18.4	12.6	11.2	9.6	18.1	29.9	27.4	15.1	9.0
17.8	85°	14.5	6.0	4.7	3.6	4.4	11.2	17.8	18.6	10.7	4.7
2.7	87.5°	1.9	0.8	0.8	1.1	0.8	1.9	5.5	5.2	3.0	0.5
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>
630.5
556.0
449.9
348.0
284.2
260.9
252.9
243.9
231.3
215.1
197.6
180.6
167.2
158.1
151.3
151.8
146.9
135.6
124.7
115.4
109.1
104.7
96.5
89.6
80.0
69.3
58.6
52.3
46.6
36.7
26.9
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14.0
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