

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: P945174

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

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P945174  
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-SB1A-950-U-SL3  
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  
Light Source: -  
Ballast/Driver: -

**Summary**

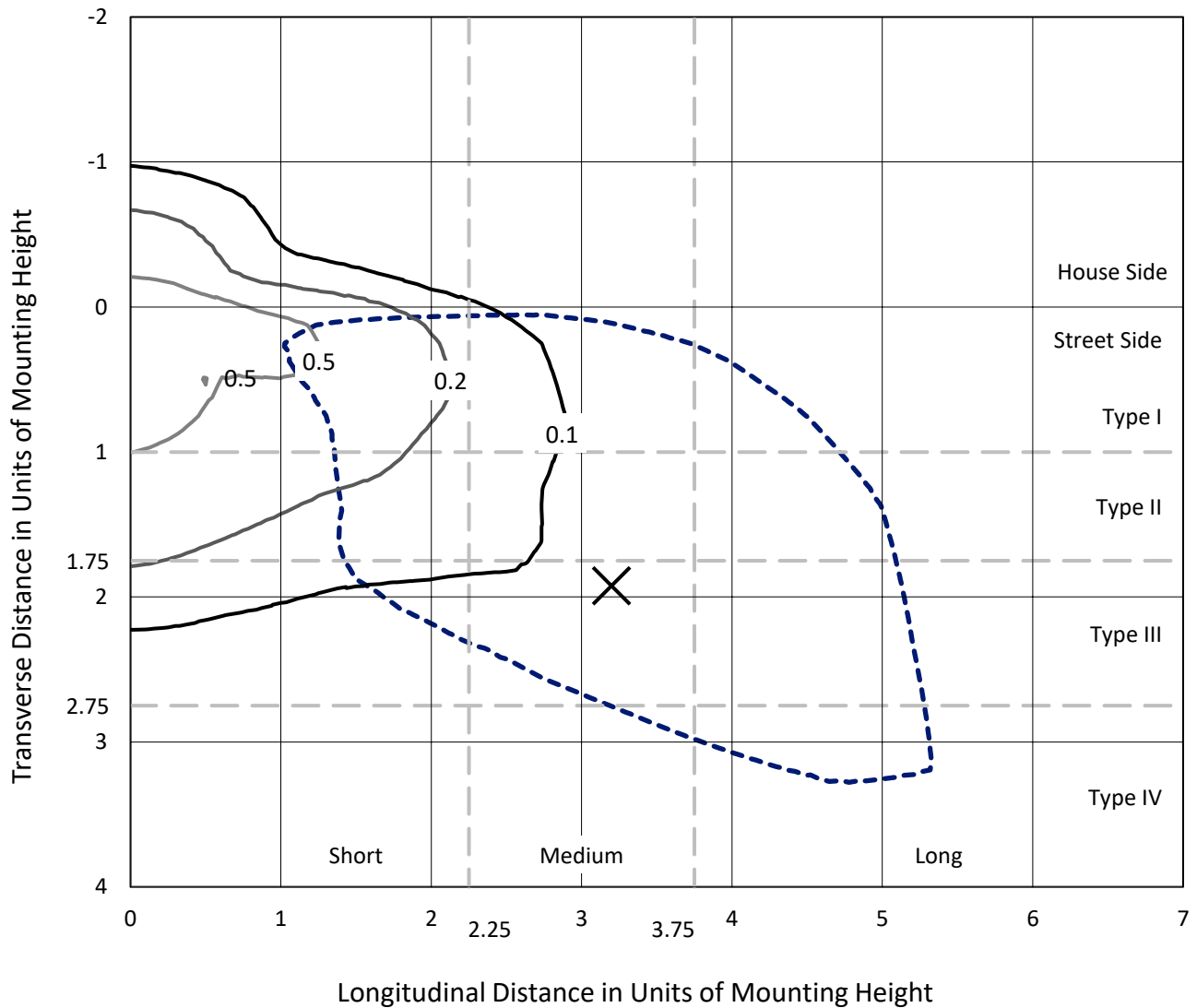
Lumens per Lamp: N/A  
Luminaire Lumens: 3051 lumens  
Efficiency: N/A  
Efficacy: 98.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

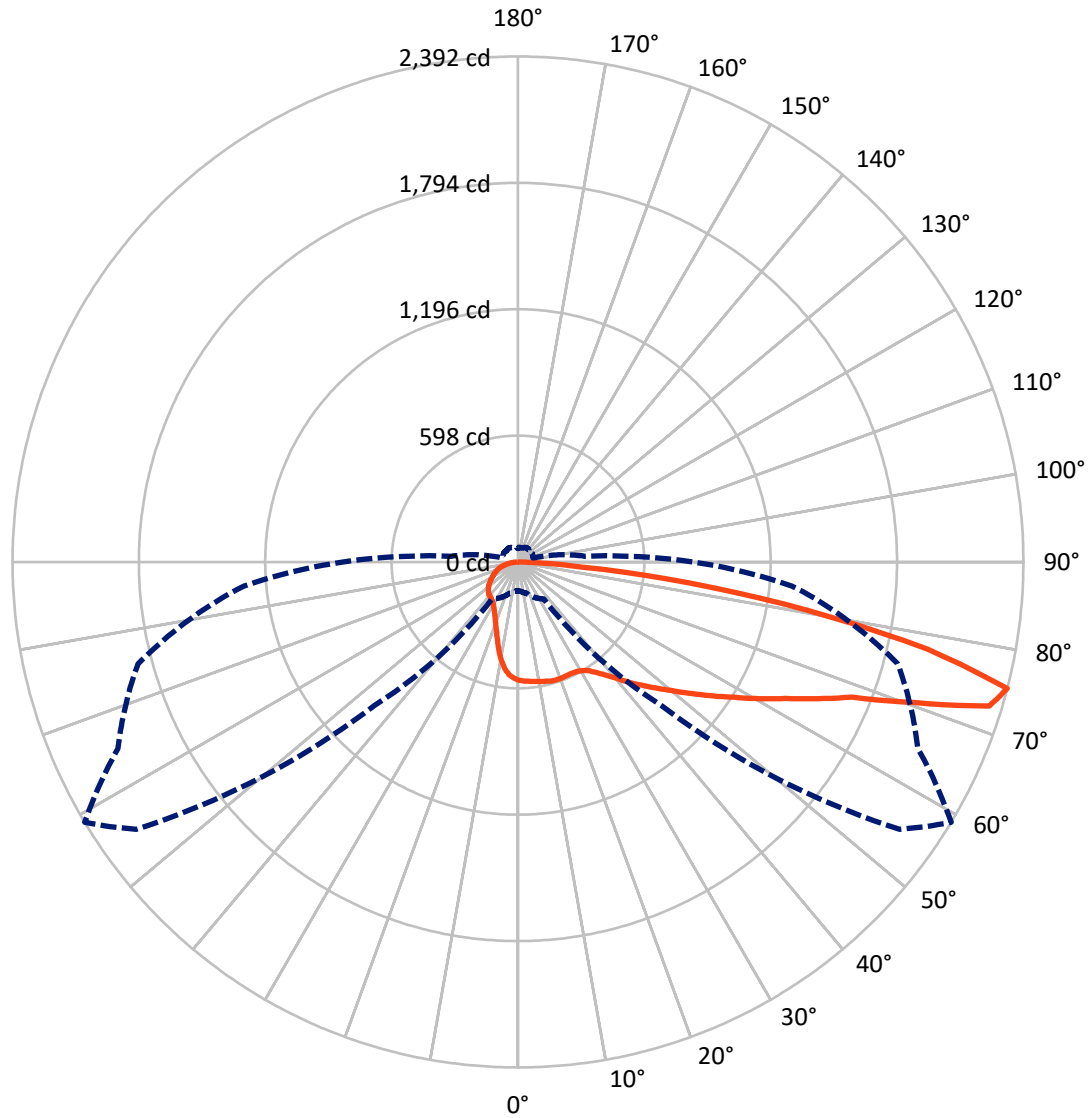
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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
<b>House Side</b>	Lumens	572.2	0.0	572.2
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	2478.8	0.0	2478.8
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	3051.0	0.0	3051.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.2	1.6
10°-20°	128.3	4.2
20°-30°	195.0	6.4
30°-40°	289.8	9.5
40°-50°	431.0	14.1
50°-60°	585.0	19.2
60°-70°	714.2	23.4
70°-80°	560.5	18.4
80°-90°	97.1	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°	3051.0	100.0
0°-180°	3051.0	100.0

**Coefficient of Utilization**



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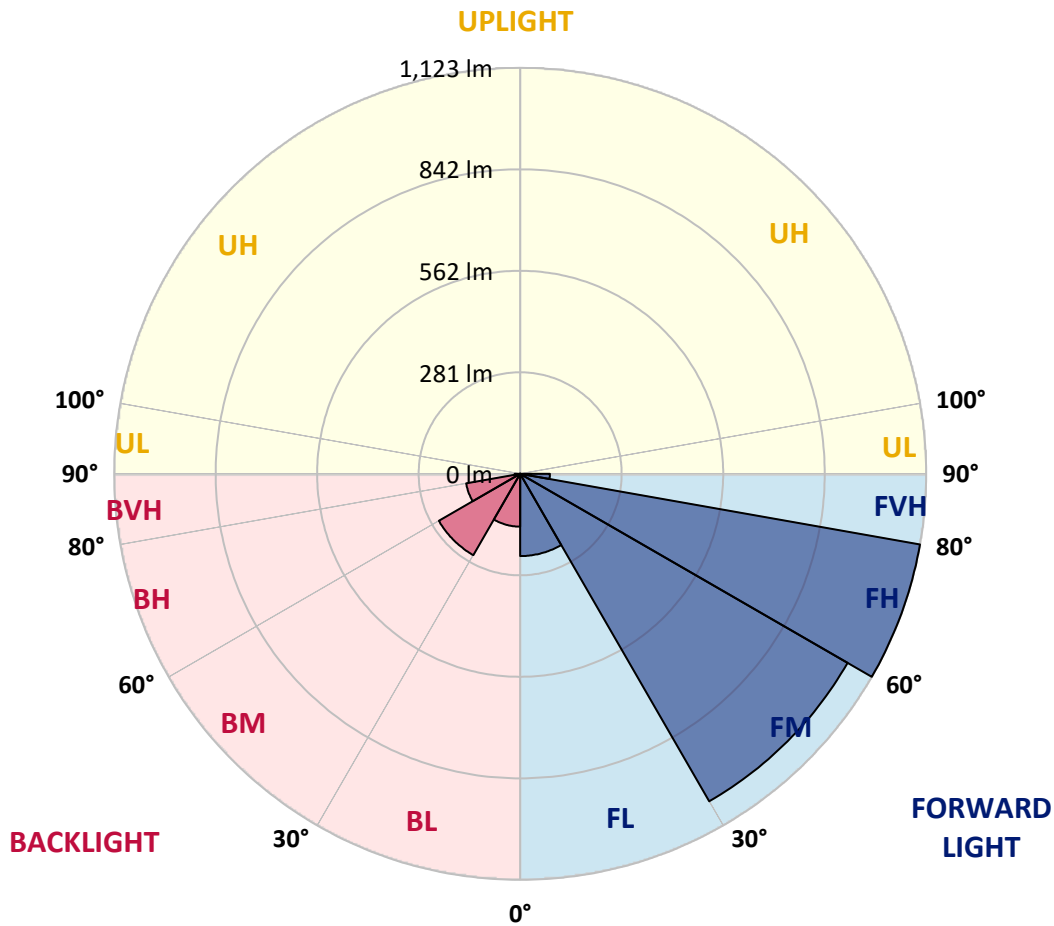
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	227.5	7.5			
FM (30°-60°)	1046.0	34.3			
FH (60°-80°)	1123.0	36.8			G1/1800
FVH (80°-90°)	82.2	2.7			G1/100
BL (0°-30°)	146.0	4.8	B1/500		
BM (30°-60°)	259.7	8.5	B1/1000		
BH (60°-80°)	151.6	5.0	B1/500		G1/500
BVH (80°-90°)	14.9	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-G1**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.0
2.5°	564.8	562.8	564.8	563.9	563.6	563.0	563.1	564.3	563.6	564.4
5°	561.0	559.8	561.8	561.3	563.5	563.8	565.9	567.2	568.0	568.2
7.5°	554.8	553.6	556.4	558.7	563.3	564.6	569.0	571.2	572.3	574.3
10°	531.9	531.4	538.3	547.0	557.9	564.6	571.3	574.9	576.7	582.0
12.5°	491.6	492.2	501.2	518.0	539.7	561.3	574.0	579.2	582.0	588.6
15°	453.0	452.8	462.7	480.6	510.9	546.9	575.3	584.3	589.1	598.7
17.5°	430.7	430.0	436.9	450.5	478.8	524.7	572.0	587.1	597.3	609.4
20°	426.6	425.3	428.9	435.6	455.6	500.4	563.5	587.1	603.8	619.6
22.5°	441.5	439.4	437.9	437.1	445.9	480.4	553.8	585.1	613.5	634.2
25°	471.5	468.3	460.7	453.3	450.7	471.4	545.2	584.6	628.0	653.9
27.5°	520.1	516.0	500.8	483.0	467.1	476.0	541.5	587.6	643.9	674.7
30°	580.4	575.9	556.7	529.5	500.9	493.0	546.2	596.3	664.2	702.5
32.5°	634.4	629.4	613.0	585.3	546.7	522.6	561.3	612.9	696.2	741.0
35°	682.3	676.5	661.8	636.2	602.8	564.1	588.6	642.2	741.7	803.7
37.5°	729.2	722.5	706.4	679.3	656.0	619.4	626.1	680.0	802.1	879.9
40°	781.7	772.1	752.5	725.8	703.1	684.2	675.6	726.3	863.5	964.9
42.5°	832.6	823.4	800.1	777.3	748.9	743.5	732.8	780.4	930.6	1058.3
45°	887.4	876.4	848.2	819.3	801.4	782.9	788.3	834.6	996.4	1153.5
47.5°	938.8	926.5	893.2	861.0	851.2	816.0	839.2	894.2	1064.9	1250.0
50°	966.5	954.4	926.7	897.6	889.9	856.9	894.3	959.7	1136.6	1346.2
52.5°	989.7	976.6	940.3	924.2	921.9	901.4	962.3	1034.5	1208.3	1431.2
55°	1014.3	999.7	953.4	939.0	949.5	951.3	1042.9	1119.4	1284.1	1514.1
57.5°	1042.7	1024.2	966.1	951.4	976.4	1009.7	1135.4	1207.3	1358.7	1590.9
60°	1069.5	1050.7	990.3	971.3	1005.4	1077.5	1241.6	1313.8	1443.0	1659.3
62.5°	1074.7	1059.3	1009.7	1009.6	1044.8	1156.6	1367.3	1421.3	1516.7	1727.0
65°	983.8	974.1	944.7	1008.1	1101.3	1270.5	1507.4	1558.9	1610.4	1786.0
67.5°	748.8	750.1	747.9	870.2	1055.7	1434.1	1710.0	1706.1	1726.1	1852.3
70°	342.4	350.1	400.3	600.7	845.8	1453.0	2045.2	1994.2	1871.4	1938.2
72.5°	185.0	190.9	211.4	291.0	508.5	1291.9	2295.7	2331.9	2064.6	1996.0
75°	135.7	139.0	153.3	185.0	213.5	960.1	2205.9	2392.0	2088.7	1861.2
77.5°	101.6	103.1	114.7	146.6	109.3	506.2	1762.6	1981.0	1788.0	1529.2
80°	73.7	75.3	84.0	110.0	76.6	185.1	1210.3	1390.5	1224.6	974.8
82.5°	50.9	51.5	55.3	74.8	53.5	71.9	686.7	815.4	683.6	342.0
85°	30.7	31.5	33.2	43.7	30.4	34.1	296.4	306.6	204.3	81.7
87.5°	12.6	13.5	14.8	18.4	12.0	9.5	48.9	61.4	38.2	24.0
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°
560.0	0°	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.0	560.0
561.6	2.5°	560.8	559.7	556.6	552.3	548.4	543.4	541.3	539.5	537.8	534.7
566.1	5°	564.3	561.2	552.8	542.0	529.6	516.2	503.1	494.0	486.3	480.6
571.2	7.5°	569.5	563.6	548.4	526.2	498.0	469.1	443.0	424.4	410.5	405.4
578.4	10°	574.9	567.9	541.3	502.2	453.5	409.0	374.4	355.3	344.2	340.6
586.9	12.5°	581.3	571.0	530.3	468.9	403.8	355.0	324.8	313.6	307.9	305.9
597.4	15°	590.7	573.6	513.7	427.2	356.3	315.6	296.1	288.4	285.4	285.3
608.3	17.5°	597.8	574.1	488.0	382.6	319.9	291.8	275.7	272.8	274.8	277.7
618.9	20°	605.6	569.7	454.1	341.9	294.3	271.0	264.2	266.2	271.0	275.2
633.0	22.5°	611.2	561.6	413.3	310.2	272.1	259.0	258.7	262.8	265.4	267.5
649.6	25°	616.1	548.0	369.9	283.6	253.9	251.8	255.4	254.1	252.3	254.1
666.2	27.5°	619.7	526.5	331.2	260.3	241.1	246.8	244.7	241.8	241.6	242.6
685.7	30°	618.6	497.8	299.4	238.1	232.1	237.7	232.6	232.1	231.6	232.1
715.1	32.5°	618.6	465.1	274.9	222.9	226.3	224.2	223.7	222.6	220.6	220.4
755.0	35°	622.0	432.5	253.9	214.7	221.6	216.5	216.8	214.0	209.9	207.9
807.8	37.5°	629.1	406.2	233.1	210.7	213.2	213.0	211.7	207.0	199.7	193.5
873.8	40°	646.2	398.5	218.8	208.9	209.3	211.2	207.8	198.6	182.2	172.0
940.8	42.5°	672.9	411.5	215.7	204.5	206.6	208.6	201.9	180.5	168.9	162.8
1011.0	45°	706.9	434.1	222.4	198.1	200.4	203.8	183.8	173.6	168.4	168.6
1080.6	47.5°	749.9	457.9	234.9	192.5	191.4	193.3	171.8	165.6	158.4	160.2
1147.4	50°	799.6	482.0	246.7	185.0	181.4	175.0	164.1	158.2	149.0	144.8
1211.9	52.5°	853.5	505.3	251.4	175.8	170.5	163.1	158.9	151.7	140.5	133.4
1272.8	55°	904.5	526.5	246.2	164.8	159.7	154.0	153.3	148.9	136.9	127.0
1327.0	57.5°	952.8	544.2	233.1	153.6	148.7	145.3	149.7	147.6	132.5	119.8
1378.2	60°	993.6	556.4	214.0	142.3	138.9	137.0	143.8	143.1	126.2	112.1
1424.1	62.5°	1026.1	561.2	193.0	131.5	130.6	127.4	135.6	135.6	118.3	104.5
1464.5	65°	1051.6	556.6	171.7	120.8	122.4	117.5	125.6	124.6	110.0	97.8
1511.0	67.5°	1074.1	541.5	148.0	110.3	114.1	107.8	115.1	112.8	100.8	91.1
1551.2	70°	1084.1	506.3	121.1	99.8	104.4	98.3	104.5	100.3	90.4	83.9
1507.0	72.5°	1003.6	420.8	95.4	88.8	92.7	87.8	93.2	88.3	79.3	76.3
1301.4	75°	830.3	315.8	73.4	76.8	79.8	76.0	79.6	76.0	67.8	69.9
961.3	77.5°	603.0	213.2	56.1	64.2	65.5	63.5	66.6	62.5	55.1	54.7
479.1	80°	299.9	124.9	44.0	50.7	50.2	48.9	52.5	50.6	44.3	46.9
129.3	82.5°	86.8	53.5	32.0	35.6	34.6	35.0	37.6	38.6	57.8	57.3
40.2	85°	27.2	21.0	19.2	19.9	18.9	19.4	22.2	44.0	40.7	23.8
12.5	87.5°	7.1	7.2	4.8	5.1	5.3	6.2	7.1	26.8	12.8	8.4
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>
560.0
533.3
475.8
396.5
335.0
306.4
285.9
278.9
276.7
268.7
255.2
244.2
233.9
222.6
209.9
195.6
173.3
162.8
169.4
164.8
145.9
133.3
127.0
119.2
111.6
104.1
97.2
90.4
82.6
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46.4
58.6
25.8
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