

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: P939006

Luminaire Tested: **GALN-SB1B-927-U-T3-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P939006  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB1B-927-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

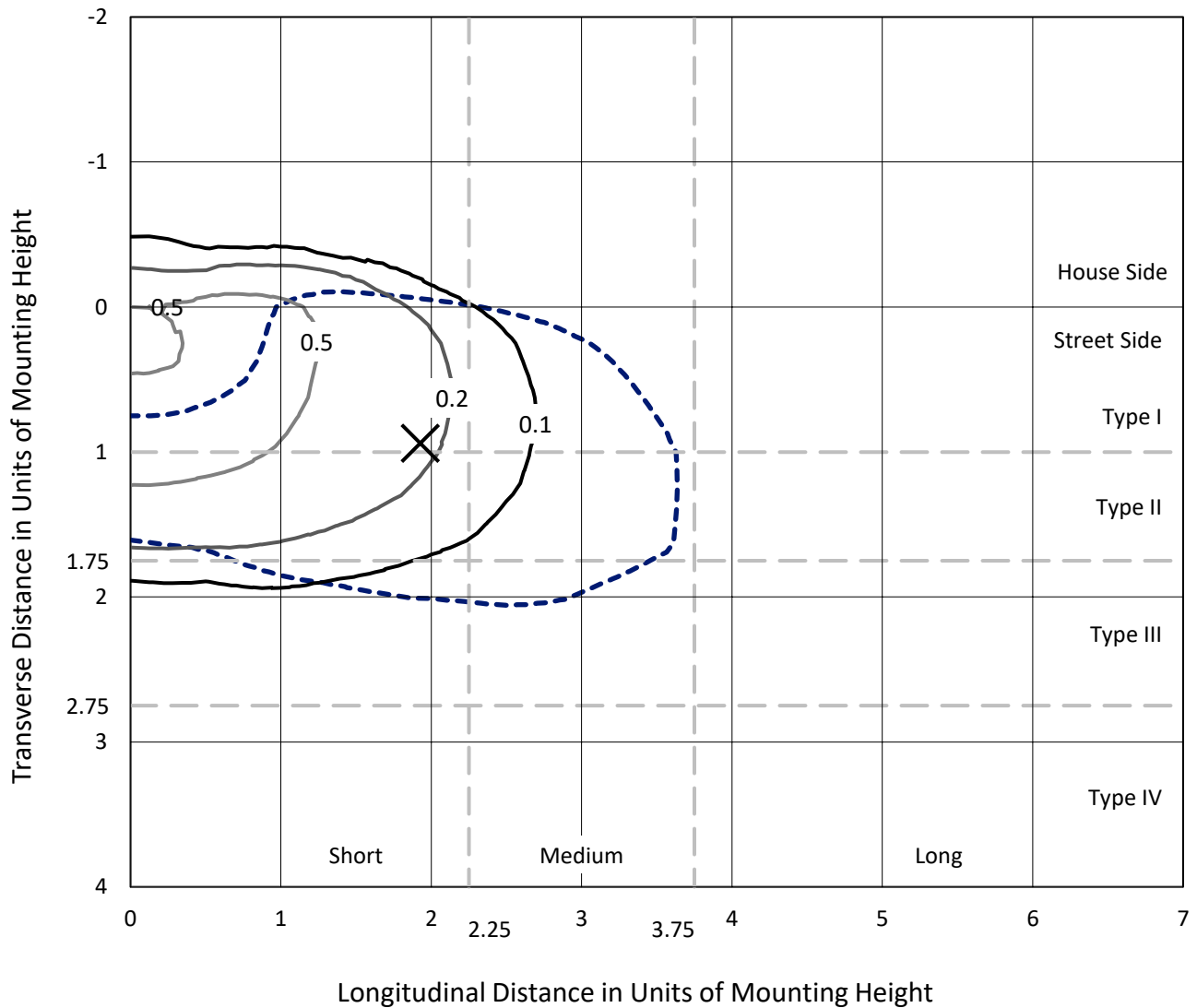
Lumens per Lamp: N/A  
Luminaire Lumens: 2689 lumens  
Efficiency: N/A  
Efficacy: 67.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

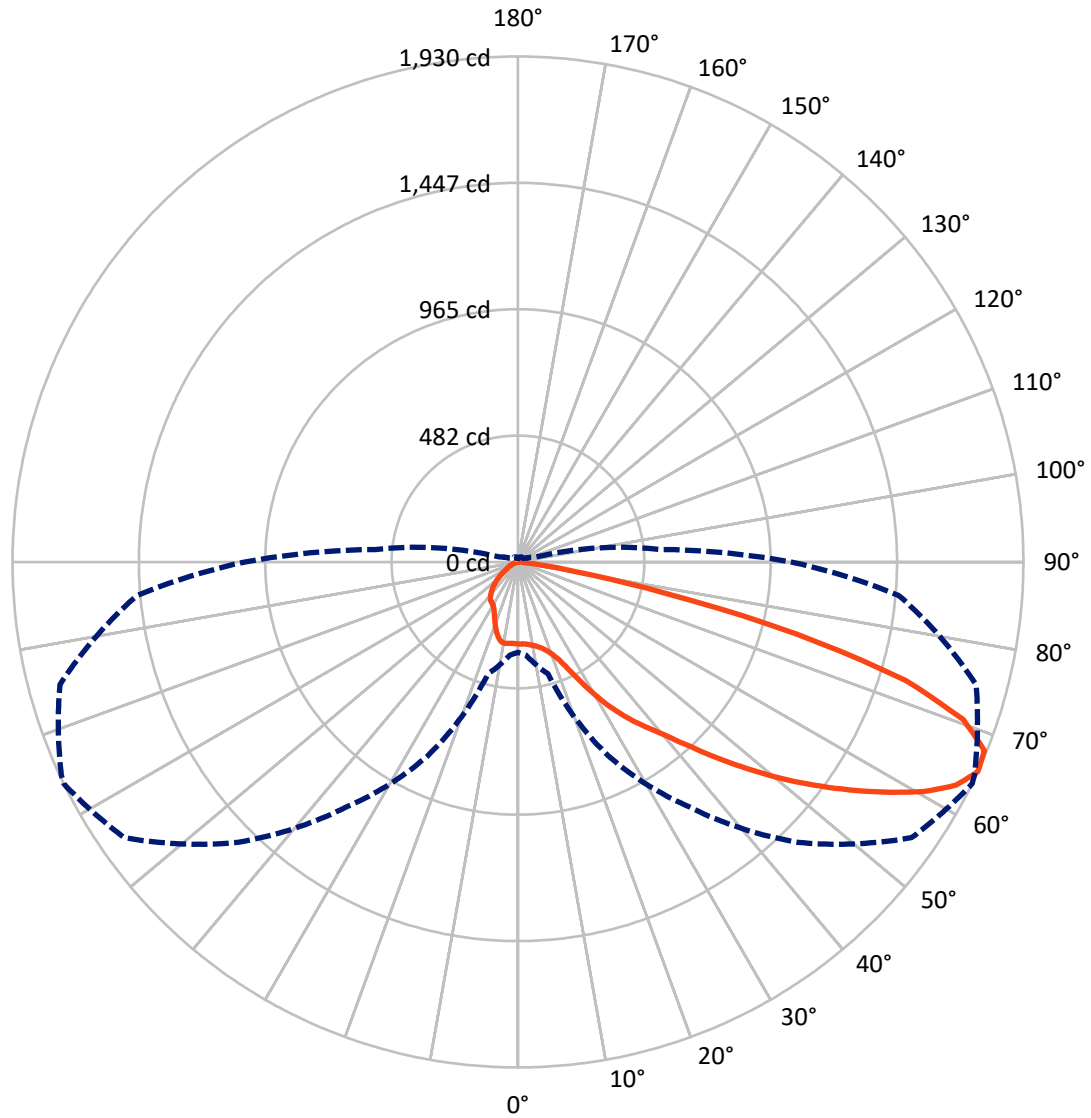
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	359.6	0.0	359.6
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	2329.4	0.0	2329.4
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	2689.0	0.0	2689.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.9	1.1
10°-20°	78.3	2.9
20°-30°	148.3	5.5
30°-40°	300.1	11.2
40°-50°	511.2	19.0
50°-60°	695.2	25.9
60°-70°	652.8	24.3
70°-80°	261.6	9.7
80°-90°	12.7	0.5
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°	2689.0	100.0
0°-180°	2689.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P939006

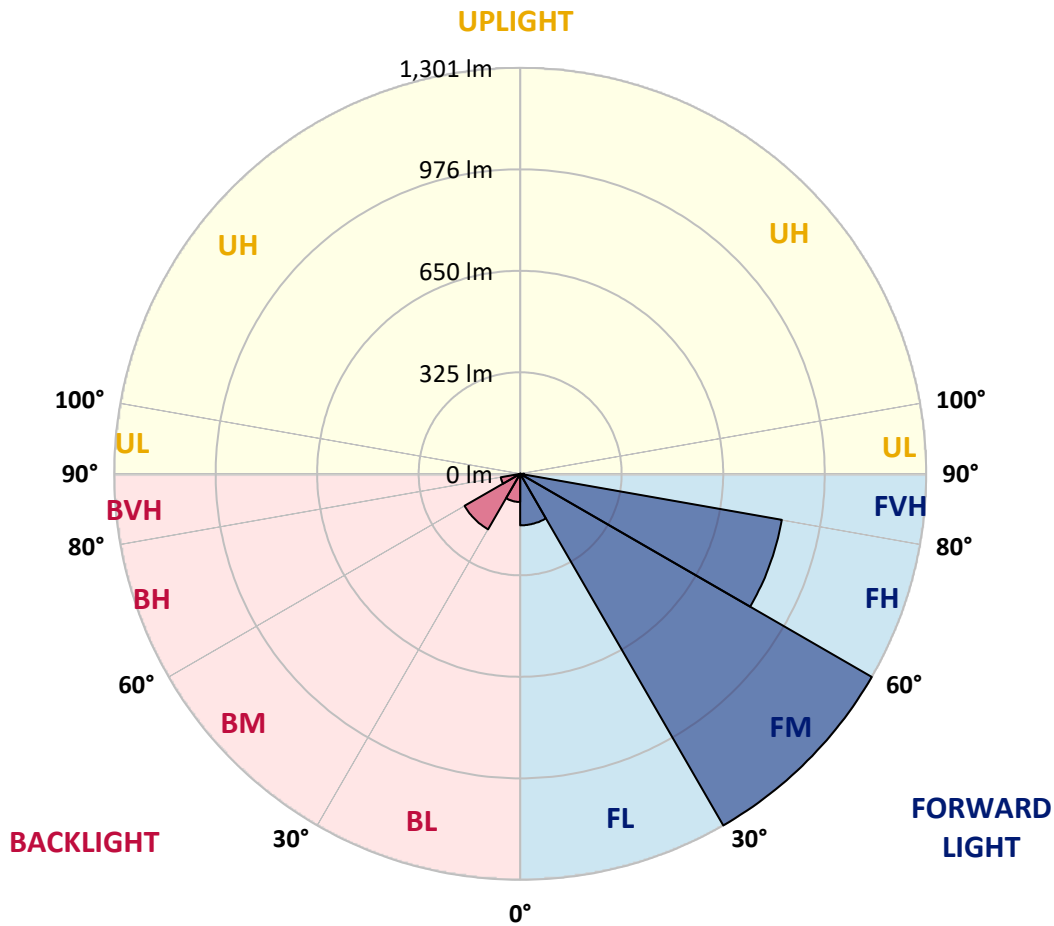
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	165.1	6.1			
FM (30°-60°)	1300.9	48.4			
FH (60°-80°)	851.3	31.7			G1/1800
FVH (80°-90°)	12.1	0.4			G1/100
BL (0°-30°)	90.3	3.4	B0/110		
BM (30°-60°)	205.6	7.6	B0/220		
BH (60°-80°)	63.1	2.3	B0/110		G0/110
BVH (80°-90°)	0.6	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 Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	312.8	312.8	312.8	312.8	312.8	312.8	312.8	312.8	312.8	312.8
2.5°	311.7	313.8	313.3	312.8	312.6	312.9	313.1	312.9	312.9	312.9
5°	305.7	307.5	307.5	308.8	310.6	312.8	314.4	314.7	315.1	315.6
7.5°	294.4	295.8	296.9	301.0	305.5	311.3	316.2	318.7	319.1	321.1
10°	286.6	288.4	290.2	294.6	301.0	309.7	318.0	324.1	325.0	329.7
12.5°	286.3	288.1	290.4	295.1	302.7	311.9	322.0	330.8	332.4	339.3
15°	290.0	292.2	294.4	300.1	308.3	319.4	330.2	341.2	342.9	352.6
17.5°	297.8	300.7	302.3	308.1	316.7	329.2	343.4	356.0	357.5	368.8
20°	313.1	316.5	317.1	321.8	330.2	343.6	360.5	376.2	378.0	391.0
22.5°	344.8	349.7	345.4	347.7	355.3	368.6	387.0	406.9	409.4	424.2
25°	400.7	407.6	396.4	392.4	395.7	409.6	432.6	457.7	460.6	472.5
27.5°	510.5	501.7	484.7	468.1	458.4	466.3	492.3	523.3	526.9	538.4
30°	631.1	623.4	600.5	563.7	540.6	539.4	563.3	597.9	602.1	613.1
32.5°	751.9	744.5	719.6	674.4	634.4	614.5	631.1	669.5	671.7	678.7
35°	870.7	863.1	838.2	791.9	742.7	697.6	694.4	737.6	738.4	745.8
37.5°	990.2	983.9	957.4	912.0	863.5	801.3	771.2	802.2	803.1	810.3
40°	1075.5	1078.2	1060.0	1024.8	983.2	915.2	857.3	870.9	865.4	877.5
42.5°	1148.6	1154.1	1138.2	1120.5	1096.4	1036.5	964.1	961.7	953.1	959.5
45°	1211.9	1216.4	1202.2	1198.0	1197.5	1155.5	1080.7	1066.6	1054.5	1053.3
47.5°	1235.2	1243.8	1250.0	1263.8	1290.9	1273.2	1201.3	1179.5	1165.9	1156.0
50°	1244.0	1253.2	1274.1	1314.5	1378.5	1386.1	1321.3	1296.8	1280.2	1262.2
52.5°	1232.1	1248.5	1276.6	1344.6	1437.4	1476.5	1436.5	1415.1	1396.1	1366.8
55°	1162.0	1178.4	1235.9	1344.2	1466.8	1540.0	1545.4	1535.9	1514.6	1468.3
57.5°	1014.2	1038.5	1129.5	1298.4	1466.3	1594.6	1652.1	1659.0	1635.2	1568.8
60°	809.4	842.4	953.4	1197.0	1421.0	1624.2	1745.7	1779.9	1754.7	1668.0
62.5°	564.8	603.0	708.1	1038.0	1317.6	1602.9	1814.0	1877.3	1858.2	1756.7
65°	344.5	356.7	441.5	816.8	1141.6	1513.9	1835.1	1929.9	1923.6	1810.9
67.5°	229.5	239.8	264.1	560.1	886.2	1335.9	1784.6	1920.7	1922.5	1802.1
70°	138.3	147.1	163.0	325.7	574.3	1057.4	1628.3	1803.5	1814.0	1684.0
72.5°	57.0	62.9	77.3	147.6	297.4	671.1	1296.6	1548.5	1572.8	1416.0
75°	32.3	35.3	45.4	74.1	129.1	312.8	785.4	1099.3	1135.1	976.0
77.5°	21.5	22.9	29.4	48.0	72.6	106.7	335.7	572.7	641.2	533.0
80°	14.4	15.7	20.2	32.1	47.2	45.8	106.9	212.2	261.0	183.1
82.5°	9.7	9.9	14.4	21.1	29.9	22.2	31.5	66.0	82.9	53.0
85°	5.6	5.4	10.6	12.3	13.3	9.2	9.6	19.8	26.0	22.4
87.5°	0.7	1.1	4.1	3.2	1.8	2.0	2.0	3.4	5.0	5.4
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°
312.8	0°	312.8	312.8	312.8	312.8	312.8	312.8	312.8	312.8	312.8	312.8
313.1	2.5°	313.1	312.9	312.4	311.9	310.6	309.9	310.2	309.9	309.7	309.9
315.5	5°	315.5	314.9	313.5	311.7	309.2	306.1	304.1	301.2	298.5	296.9
321.8	7.5°	321.8	321.2	319.2	314.2	306.1	293.3	281.6	271.3	263.5	259.0
331.9	10°	331.9	331.0	327.9	316.7	295.5	267.5	244.3	225.0	212.4	206.4
343.8	12.5°	343.8	342.7	337.3	314.4	275.3	231.6	199.6	178.1	166.4	161.2
357.5	15°	357.8	356.4	345.7	303.2	245.9	192.0	162.6	146.6	139.0	134.3
374.9	17.5°	375.3	372.8	352.1	286.4	214.0	161.7	139.9	127.8	121.1	116.6
397.8	20°	398.0	393.9	357.1	266.4	184.6	142.6	124.6	114.5	109.4	105.5
430.3	22.5°	429.8	423.8	363.2	244.8	163.9	129.4	113.2	105.8	101.7	97.2
475.5	25°	469.0	462.0	370.8	224.8	149.6	118.1	104.9	98.8	93.9	88.7
534.8	27.5°	524.0	511.4	379.8	208.4	137.4	108.3	97.3	90.5	84.9	80.6
602.1	30°	585.3	564.6	387.7	198.5	126.2	99.3	87.4	80.6	75.4	72.3
662.5	32.5°	643.4	615.2	393.0	194.1	116.1	89.1	76.6	69.2	65.3	64.4
721.6	35°	698.2	661.0	392.4	190.0	107.1	78.8	66.0	58.4	55.3	55.9
785.2	37.5°	761.3	709.9	388.6	183.5	99.7	69.4	56.8	50.1	47.4	47.6
862.6	40°	834.6	766.3	386.3	171.3	91.6	60.7	49.2	43.8	41.8	41.1
944.0	42.5°	912.9	820.9	386.7	157.4	81.5	53.0	44.0	39.5	37.7	37.1
1034.7	45°	991.5	873.0	387.2	142.9	70.8	47.0	40.2	36.4	35.3	34.6
1126.7	47.5°	1065.4	917.4	377.1	127.4	60.4	42.5	37.1	34.6	33.7	32.8
1218.9	50°	1134.2	946.9	352.8	109.4	52.1	38.9	34.8	33.0	32.1	31.2
1302.6	52.5°	1187.8	951.6	312.6	90.9	46.3	36.2	33.3	31.7	30.6	29.7
1370.2	55°	1211.6	922.2	255.4	73.5	41.8	33.9	31.9	30.3	29.0	28.1
1423.4	57.5°	1205.4	860.4	199.2	59.1	37.5	31.5	30.1	29.0	27.6	26.1
1466.5	60°	1175.3	777.7	150.2	49.2	33.5	29.0	28.1	27.2	25.2	23.1
1483.0	62.5°	1123.2	673.6	107.1	40.7	29.2	26.1	25.8	25.1	22.2	18.2
1458.5	65°	1043.6	547.3	72.1	33.9	25.1	22.9	23.1	21.8	18.0	13.5
1368.7	67.5°	927.1	400.2	46.1	27.8	20.9	19.1	19.3	18.6	15.3	11.5
1198.6	70°	778.7	265.0	30.1	21.1	16.8	14.8	15.9	16.0	13.0	9.4
919.9	72.5°	570.9	156.5	21.1	15.7	12.3	10.3	13.0	13.3	10.5	7.0
553.4	75°	325.4	74.3	15.9	11.4	7.6	7.2	10.1	10.1	7.2	4.7
239.6	77.5°	136.6	31.0	11.2	7.4	4.3	4.1	6.9	6.3	3.6	2.2
58.4	80°	39.5	13.9	5.9	3.6	1.8	1.6	2.7	2.0	0.9	0.4
22.2	82.5°	15.5	6.1	2.3	1.4	0.7	0.7	0.4	0.0	0.0	0.0
12.6	85°	9.2	2.5	1.1	0.5	0.2	0.0	0.0	0.0	0.0	0.0
2.7	87.5°	2.3	0.5	0.4	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>
312.8
310.6
297.3
259.2
205.9
160.6
134.5
116.3
104.7
96.4
88.1
79.7
71.7
64.9
55.9
48.3
40.9
37.0
34.6
32.8
31.2
29.6
27.9
26.0
22.7
17.8
13.2
11.0
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