

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: P938756

Luminaire Tested: **GALN-SB1A-740-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938756
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-SB1A-740-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 4000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3723 lumens
Efficiency: N/A
Efficacy: 120.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

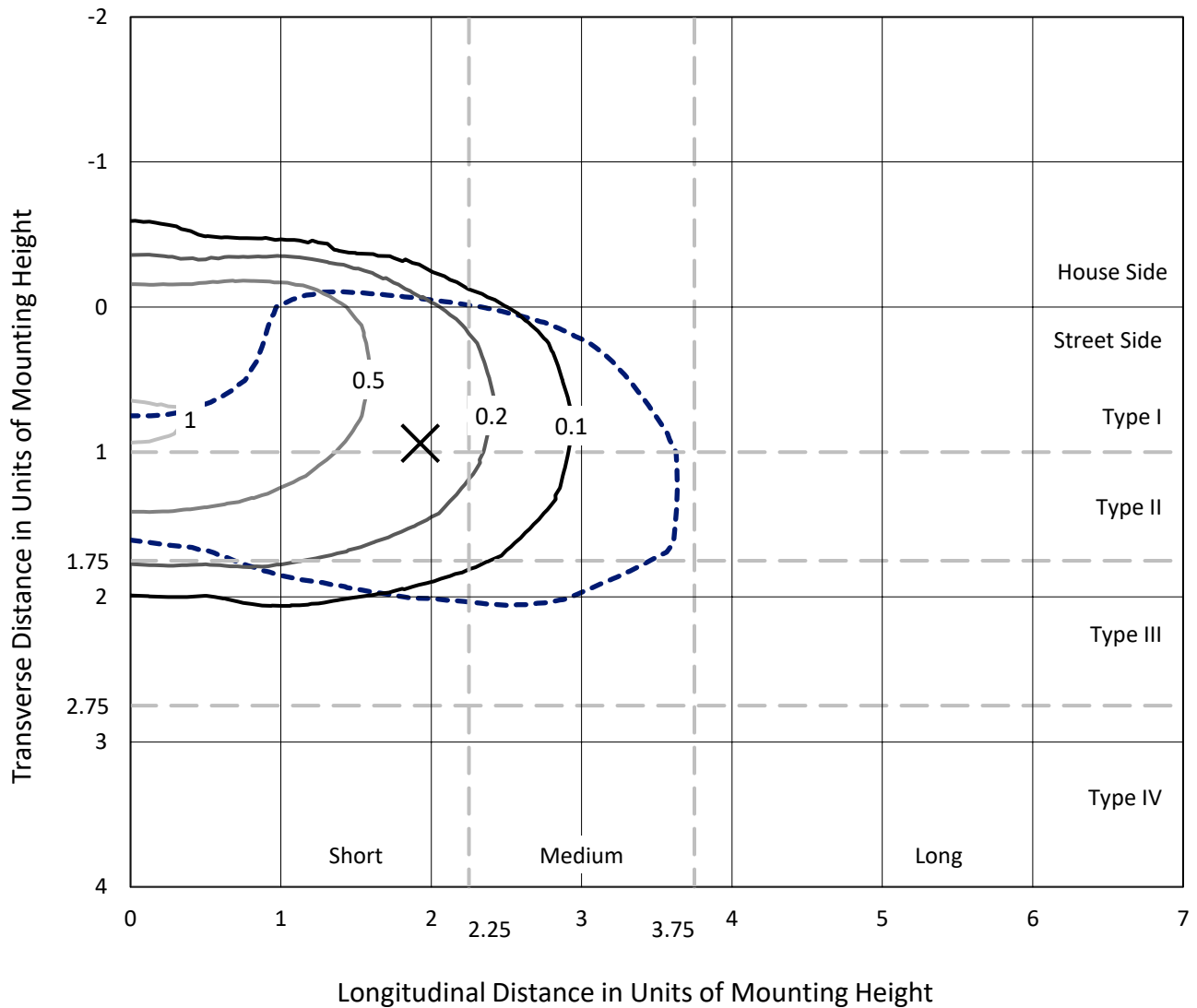
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

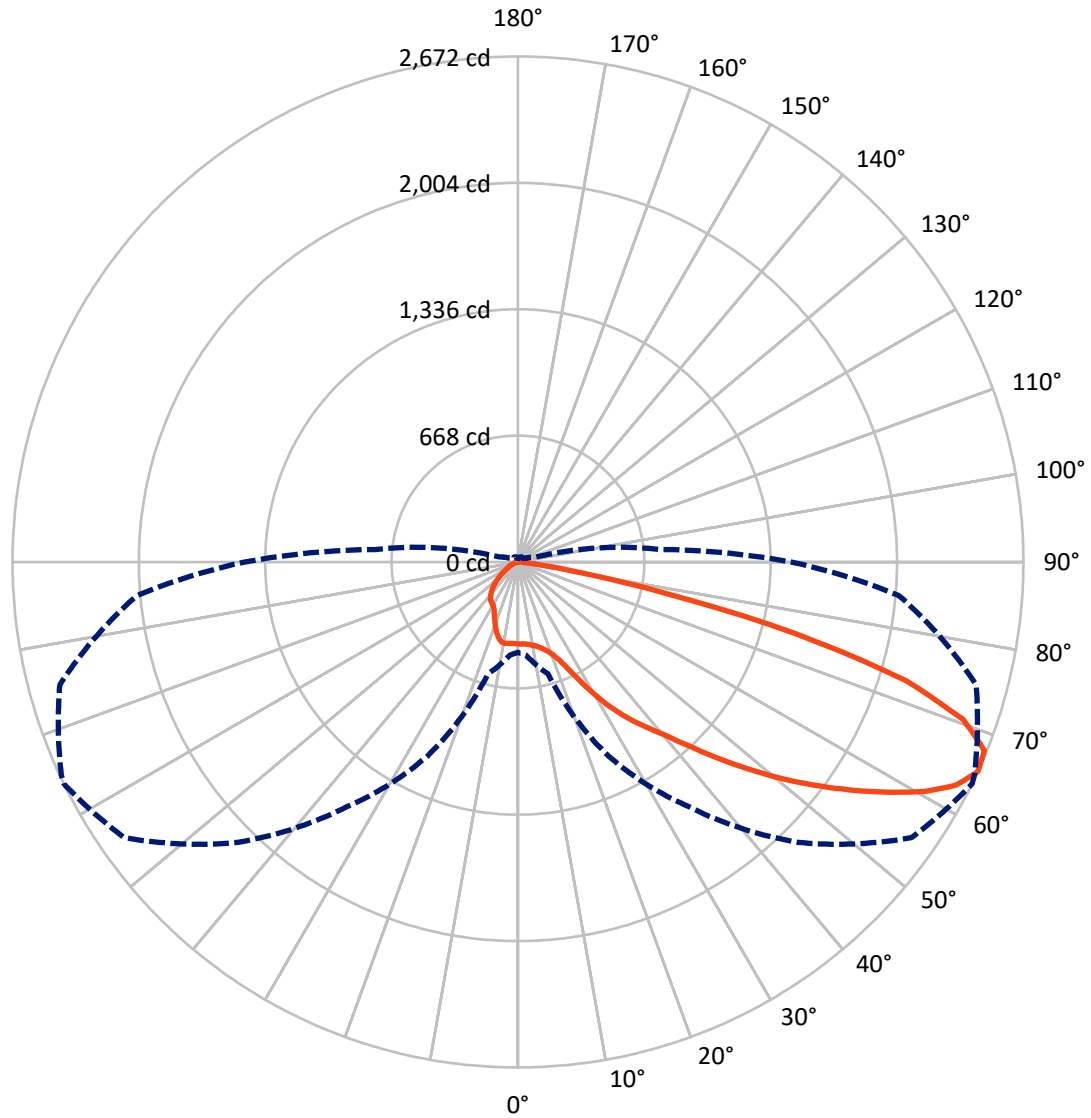
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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
House Side	Lumens	497.9	0.0	497.9
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	3225.1	0.0	3225.1
	% Fixture	86.6	0.0	86.6
Total	Lumens	3723.0	0.0	3723.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.0	1.1
10°-20°	108.4	2.9
20°-30°	205.3	5.5
30°-40°	415.5	11.2
40°-50°	707.8	19.0
50°-60°	962.5	25.9
60°-70°	903.9	24.3
70°-80°	362.1	9.7
80°-90°	17.5	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°	3723.0	100.0
0°-180°	3723.0	100.0

Coefficient of Utilization



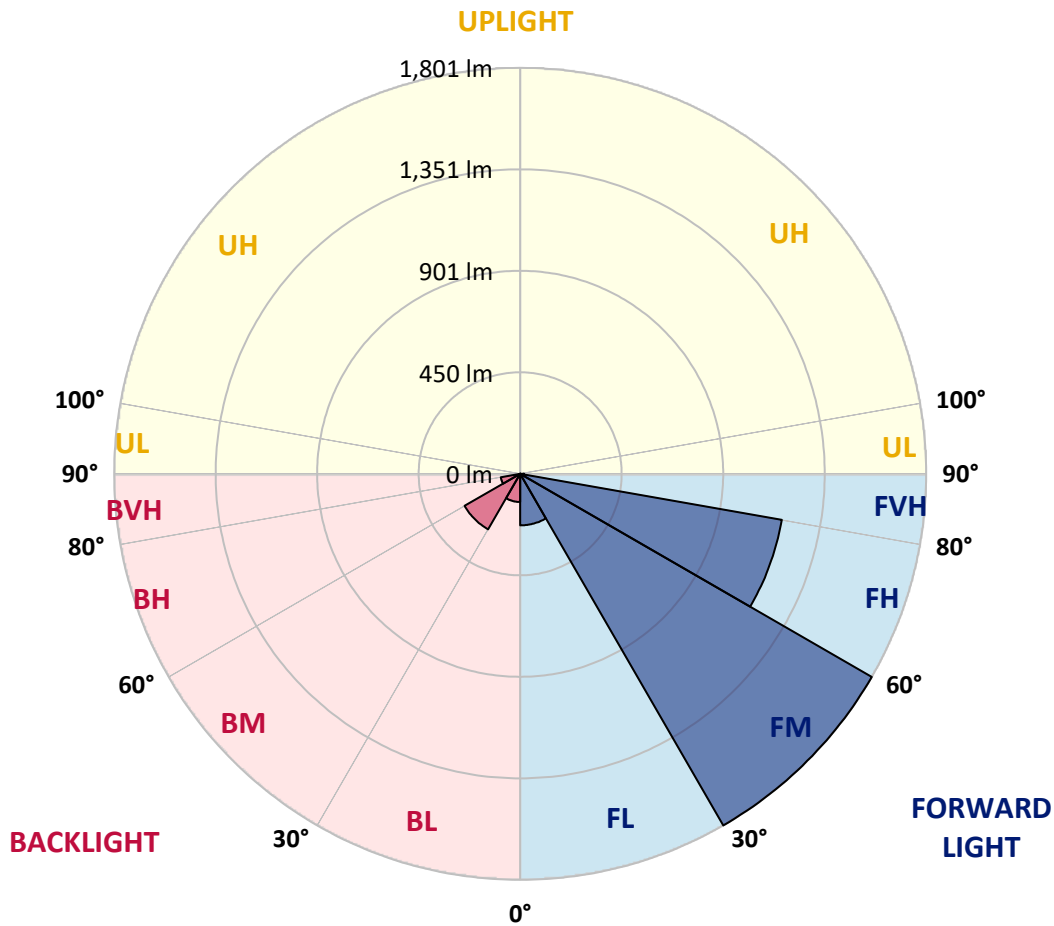
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	228.6	6.1			
FM (30°-60°)	1801.2	48.4			
FH (60°-80°)	1178.6	31.7			G1/1800
FVH (80°-90°)	16.7	0.4			G1/100
BL (0°-30°)	125.0	3.4	B1/500		
BM (30°-60°)	284.6	7.6	B1/1000		
BH (60°-80°)	87.4	2.3	B0/110		G0/110
BVH (80°-90°)	0.9	0.0			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	433.0	433.0	433.0	433.0	433.0	433.0	433.0	433.0	433.0	433.0
2.5°	431.5	434.5	433.8	433.0	432.8	433.3	433.5	433.3	433.3	433.3
5°	423.3	425.8	425.8	427.5	430.0	433.0	435.3	435.8	436.3	437.0
7.5°	407.6	409.6	411.1	416.8	423.0	431.0	437.8	441.3	441.8	444.5
10°	396.8	399.3	401.8	407.8	416.8	428.8	440.3	448.7	450.0	456.5
12.5°	396.3	398.8	402.1	408.6	419.0	431.8	445.8	458.0	460.2	469.7
15°	401.6	404.6	407.6	415.6	426.8	442.3	457.2	472.5	474.7	488.2
17.5°	412.3	416.3	418.5	426.5	438.5	455.7	475.5	492.9	494.9	510.6
20°	433.5	438.3	439.0	445.5	457.2	475.7	499.2	520.9	523.4	541.3
22.5°	477.4	484.2	478.2	481.4	491.9	510.4	535.9	563.3	566.8	587.3
25°	554.8	564.3	548.8	543.3	547.8	567.0	599.0	633.7	637.7	654.2
27.5°	706.8	694.6	671.1	648.2	634.7	645.7	681.6	724.5	729.5	745.5
30°	873.8	863.1	831.4	780.4	748.5	746.7	779.9	827.9	833.6	848.8
32.5°	1041.0	1030.8	996.3	933.7	878.3	850.8	873.8	926.9	929.9	939.7
35°	1205.5	1195.0	1160.6	1096.4	1028.3	965.9	961.4	1021.3	1022.3	1032.5
37.5°	1371.0	1362.2	1325.5	1262.6	1195.5	1109.4	1067.7	1110.6	1111.9	1121.9
40°	1489.0	1492.7	1467.5	1418.9	1361.2	1267.1	1187.0	1205.7	1198.2	1215.0
42.5°	1590.3	1597.8	1575.9	1551.4	1518.0	1435.1	1334.8	1331.5	1319.5	1328.5
45°	1677.9	1684.2	1664.5	1658.7	1658.0	1599.8	1496.2	1476.8	1460.1	1458.3
47.5°	1710.1	1722.1	1730.6	1749.8	1787.3	1762.8	1663.2	1633.0	1614.3	1600.6
50°	1722.4	1735.1	1764.0	1819.9	1908.5	1919.0	1829.4	1795.5	1772.5	1747.6
52.5°	1705.9	1728.6	1767.5	1861.6	1990.2	2044.3	1988.9	1959.2	1933.0	1892.3
55°	1608.8	1631.5	1711.1	1861.1	2030.8	2132.2	2139.7	2126.4	2097.0	2032.8
57.5°	1404.1	1437.8	1563.9	1797.7	2030.1	2207.8	2287.4	2296.9	2264.0	2172.1
60°	1120.6	1166.3	1320.0	1657.2	1967.4	2248.7	2416.9	2464.4	2429.4	2309.4
62.5°	781.9	834.8	980.4	1437.1	1824.2	2219.3	2511.5	2599.1	2572.7	2432.2
65°	476.9	493.9	611.2	1130.9	1580.6	2096.0	2540.7	2672.0	2663.3	2507.3
67.5°	317.7	331.9	365.6	775.4	1226.9	1849.6	2470.9	2659.3	2661.8	2495.1
70°	191.4	203.7	225.6	451.0	795.2	1464.0	2254.5	2497.1	2511.5	2331.6
72.5°	78.9	87.1	107.1	204.4	411.8	929.2	1795.2	2143.9	2177.6	1960.5
75°	44.7	48.9	62.9	102.6	178.7	433.0	1087.4	1521.9	1571.6	1351.2
77.5°	29.7	31.7	40.7	66.4	100.6	147.8	464.7	792.9	887.8	738.0
80°	20.0	21.7	28.0	44.4	65.4	63.4	148.0	293.8	361.4	253.6
82.5°	13.5	13.7	20.0	29.2	41.4	30.7	43.7	91.3	114.8	73.4
85°	7.7	7.5	14.7	17.0	18.5	12.7	13.2	27.5	35.9	30.9
87.5°	1.0	1.5	5.7	4.5	2.5	2.7	2.7	4.7	7.0	7.5
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°
433.0	0°	433.0	433.0	433.0	433.0	433.0	433.0	433.0	433.0	433.0	433.0
433.5	2.5°	433.5	433.3	432.5	431.8	430.0	429.0	429.5	429.0	428.8	429.0
436.8	5°	436.8	436.0	434.0	431.5	428.0	423.8	421.0	417.1	413.3	411.1
445.5	7.5°	445.5	444.8	442.0	435.0	423.8	406.1	389.8	375.6	364.9	358.6
459.5	10°	459.5	458.2	454.0	438.5	409.1	370.4	338.2	311.5	294.0	285.8
476.0	12.5°	476.0	474.5	467.0	435.3	381.1	320.7	276.3	246.6	230.4	223.1
494.9	15°	495.4	493.4	478.7	419.8	340.4	265.8	225.1	202.9	192.4	185.9
519.1	17.5°	519.6	516.1	487.4	396.6	296.3	223.9	193.7	177.0	167.7	161.5
550.8	20°	551.1	545.3	494.4	368.9	255.6	197.4	172.5	158.5	151.5	146.0
595.8	22.5°	595.0	586.8	502.9	338.9	226.9	179.2	156.7	146.5	140.8	134.5
658.4	25°	649.4	639.7	513.4	311.2	207.2	163.5	145.3	136.8	130.0	122.8
740.5	27.5°	725.5	708.1	525.9	288.5	190.2	150.0	134.8	125.3	117.6	111.6
833.6	30°	810.4	781.7	536.8	274.8	174.7	137.5	121.0	111.6	104.3	100.1
917.2	32.5°	890.8	851.8	544.1	268.8	160.7	123.3	106.1	95.8	90.3	89.1
999.1	35°	966.6	915.2	543.3	263.1	148.3	109.1	91.3	80.9	76.6	77.4
1087.2	37.5°	1054.0	982.9	538.1	254.1	138.0	96.1	78.6	69.4	65.6	65.9
1194.2	40°	1155.6	1061.0	534.9	237.1	126.8	84.1	68.1	60.6	57.9	56.9
1307.1	42.5°	1263.9	1136.6	535.4	217.9	112.8	73.4	60.9	54.7	52.2	51.4
1432.6	45°	1372.7	1208.7	536.1	197.9	98.1	65.1	55.7	50.4	48.9	47.9
1559.9	47.5°	1475.0	1270.1	522.1	176.5	83.6	58.9	51.4	47.9	46.7	45.4
1687.7	50°	1570.4	1311.1	488.4	151.5	72.1	53.9	48.2	45.7	44.4	43.2
1803.5	52.5°	1644.5	1317.5	432.8	125.8	64.1	50.2	46.2	43.9	42.4	41.2
1897.1	55°	1677.4	1276.9	353.7	101.8	57.9	46.9	44.2	41.9	40.2	38.9
1970.7	57.5°	1669.0	1191.3	275.8	81.9	51.9	43.7	41.7	40.2	38.2	36.2
2030.3	60°	1627.3	1076.7	207.9	68.1	46.4	40.2	38.9	37.7	34.9	31.9
2053.3	62.5°	1555.1	932.7	148.3	56.4	40.4	36.2	35.7	34.7	30.7	25.2
2019.4	65°	1444.8	757.7	99.8	46.9	34.7	31.7	31.9	30.2	25.0	18.7
1895.1	67.5°	1283.6	554.1	63.9	38.4	29.0	26.5	26.7	25.7	21.2	16.0
1659.5	70°	1078.2	366.9	41.7	29.2	23.2	20.5	22.0	22.2	18.0	13.0
1273.6	72.5°	790.4	216.6	29.2	21.7	17.0	14.2	18.0	18.5	14.5	9.7
766.2	75°	450.5	102.8	22.0	15.7	10.5	10.0	14.0	14.0	10.0	6.5
331.7	77.5°	189.2	42.9	15.5	10.2	6.0	5.7	9.5	8.7	5.0	3.0
80.9	80°	54.7	19.2	8.2	5.0	2.5	2.2	3.7	2.7	1.2	0.5
30.7	82.5°	21.5	8.5	3.2	2.0	1.0	1.0	0.5	0.0	0.0	0.0
17.5	85°	12.7	3.5	1.5	0.7	0.2	0.0	0.0	0.0	0.0	0.0
3.7	87.5°	3.2	0.7	0.5	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>
433.0
430.0
411.6
358.9
285.0
222.4
186.2
161.0
145.0
133.5
122.0
110.3
99.3
89.8
77.4
66.9
56.7
51.2
47.9
45.4
43.2
40.9
38.7
35.9
31.4
24.7
18.2
15.2
12.5
9.2
6.0
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