

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: P945540

Luminaire Tested: **GALN-SB1B-950-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945540
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1B-950-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 5000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3262 lumens
Efficiency: N/A
Efficacy: 82.0 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

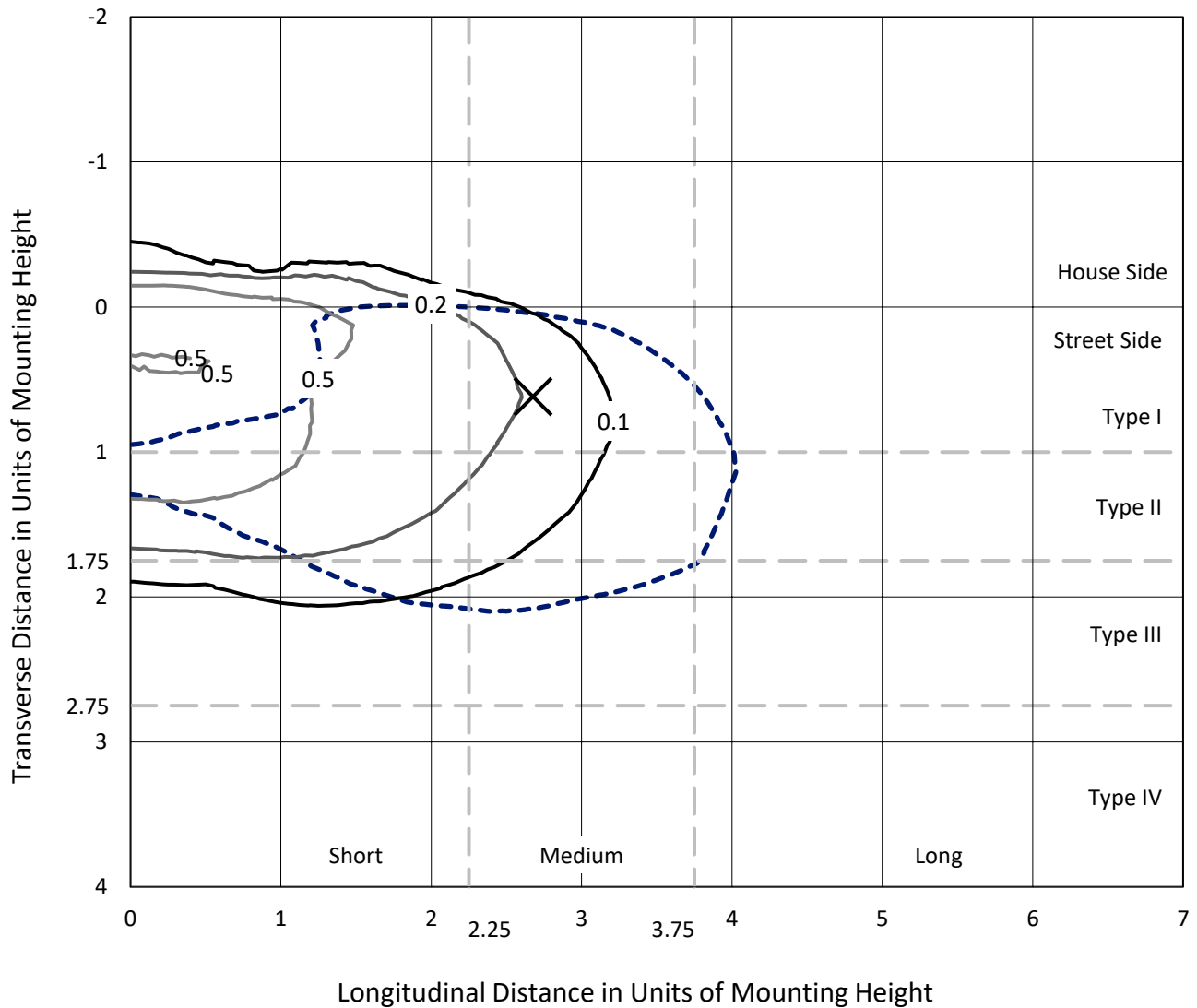
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

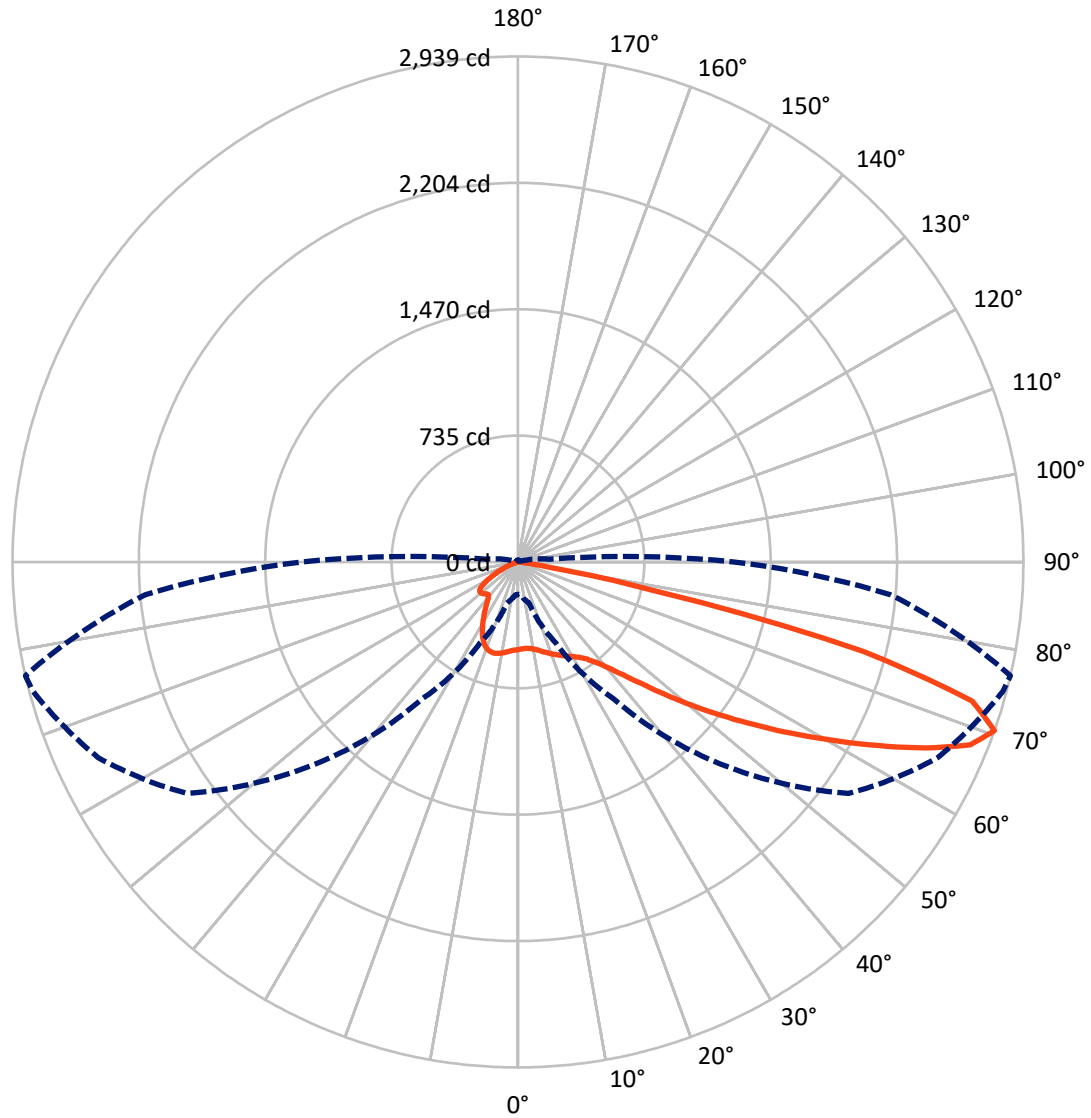
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	343.9	0.0	343.9
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	2918.1	0.0	2918.1
	% Fixture	89.5	0.0	89.5
Total	Lumens	3262.0	0.0	3262.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.9	1.3
10°-20°	104.1	3.2
20°-30°	161.0	4.9
30°-40°	292.2	9.0
40°-50°	551.5	16.9
50°-60°	796.9	24.4
60°-70°	848.2	26.0
70°-80°	449.5	13.8
80°-90°	14.8	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°	3262.0	100.0
0°-180°	3262.0	100.0

Coefficient of Utilization



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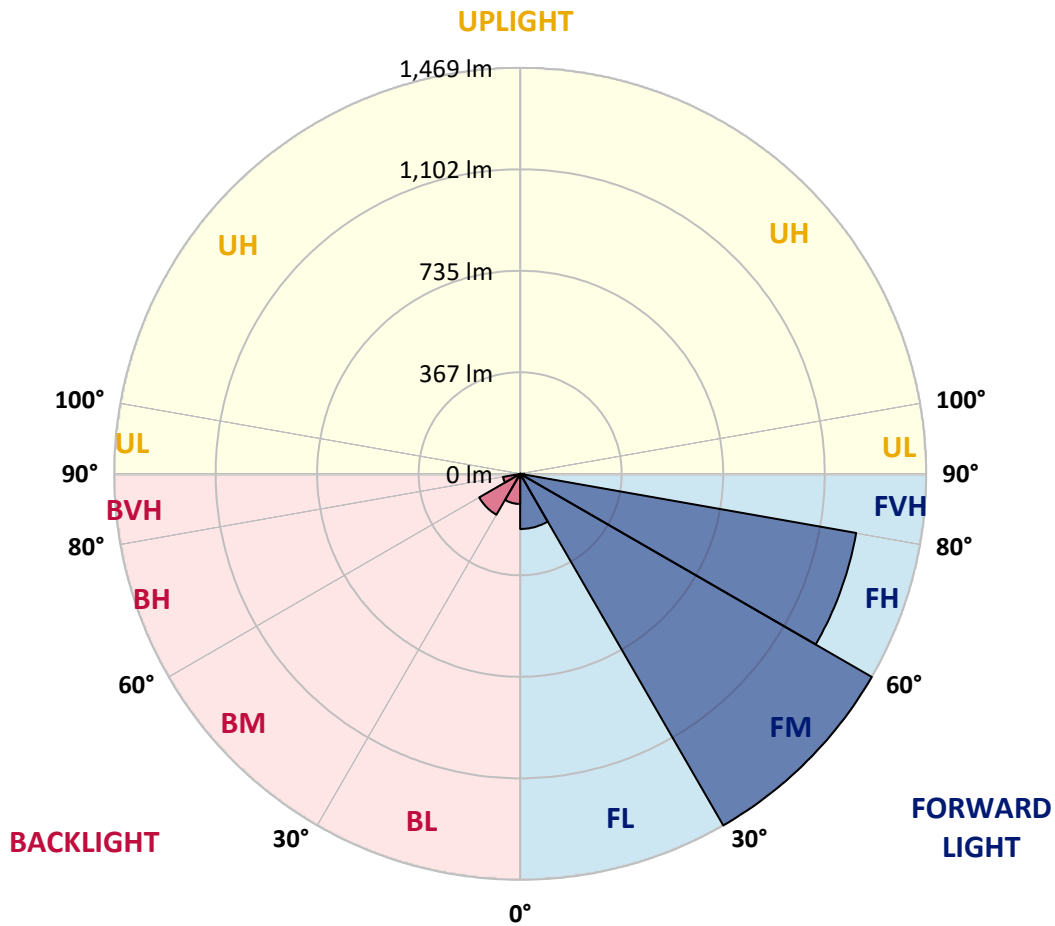
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	199.7	6.1			
FM (30°-60°)	1469.3	45.0			
FH (60°-80°)	1234.7	37.9			G1/1800
FVH (80°-90°)	14.4	0.4			G1/100
BL (0°-30°)	109.2	3.3	B0/110		
BM (30°-60°)	171.2	5.2	B0/220		
BH (60°-80°)	63.0	1.9	B0/110		G0/110
BVH (80°-90°)	0.4	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°	65°	75°	77°
0°	508.8	508.8	508.8	508.8	508.8	508.8	508.8	508.8	508.8	508.8
2.5°	477.7	482.0	481.4	484.3	485.3	489.4	493.6	499.1	505.3	505.1
5°	450.7	455.0	456.1	460.0	464.9	471.3	479.8	490.9	502.4	504.3
7.5°	418.8	423.3	426.0	433.8	442.9	456.1	469.9	486.2	505.3	508.0
10°	386.9	391.0	394.5	405.6	420.0	439.6	462.1	485.5	511.3	515.2
12.5°	367.1	371.0	374.9	384.6	402.5	426.4	456.9	488.4	521.2	526.7
15°	360.1	363.6	366.7	375.3	392.0	419.2	455.9	494.4	533.7	541.2
17.5°	361.1	363.0	365.0	371.6	387.9	415.9	457.7	504.7	548.6	555.2
20°	367.1	368.1	368.3	372.9	387.3	415.5	461.4	514.6	562.6	571.4
22.5°	374.7	375.1	374.7	377.8	391.2	418.6	466.4	526.5	578.2	586.5
25°	410.3	402.5	392.6	386.7	397.8	424.6	473.8	542.6	595.3	603.4
27.5°	521.0	498.5	463.1	423.3	411.4	433.2	484.1	558.9	612.6	619.8
30°	700.6	671.1	611.0	521.4	455.0	451.3	497.5	575.1	631.0	638.8
32.5°	880.6	873.4	804.0	680.0	553.3	491.7	519.7	597.2	655.3	661.5
35°	1062.7	1048.1	991.3	868.7	704.7	573.9	556.8	626.0	687.2	694.2
37.5°	1202.2	1193.3	1158.1	1057.2	884.3	700.8	620.3	670.7	733.6	741.4
40°	1325.4	1321.3	1309.3	1242.8	1085.2	866.8	718.9	739.9	797.8	807.1
42.5°	1422.2	1431.9	1438.7	1420.1	1292.2	1056.4	851.6	837.2	887.4	896.9
45°	1521.3	1524.6	1552.0	1578.8	1497.8	1254.5	1001.1	951.1	998.9	1010.6
47.5°	1584.9	1598.1	1646.3	1693.5	1670.6	1451.0	1161.8	1085.6	1128.0	1150.1
50°	1589.7	1614.6	1680.9	1763.1	1796.5	1638.1	1336.5	1238.9	1284.0	1308.3
52.5°	1510.8	1549.5	1652.3	1772.6	1864.5	1796.5	1517.2	1392.1	1450.0	1481.7
55°	1158.3	1209.0	1544.6	1721.1	1867.2	1916.6	1693.1	1551.8	1635.0	1670.8
57.5°	1009.2	1034.7	1214.4	1631.7	1817.5	1965.0	1852.1	1703.8	1836.3	1880.8
60°	839.6	873.2	1018.5	1485.4	1750.2	1969.7	1992.6	1899.9	2054.4	2104.5
62.5°	570.6	607.1	751.5	1234.1	1658.1	1967.5	2107.8	2101.8	2296.9	2350.6
65°	353.5	376.4	471.5	1007.7	1529.3	1970.0	2228.3	2346.9	2552.7	2607.3
67.5°	279.3	289.8	339.5	773.7	1307.5	1914.3	2348.6	2577.4	2793.5	2836.8
70°	187.7	194.0	247.0	518.7	972.7	1657.7	2346.3	2693.2	2917.5	2939.2
72.5°	98.9	103.8	144.4	240.2	587.5	1178.3	1977.8	2554.8	2794.1	2761.6
75°	49.4	57.7	97.2	122.0	250.9	657.1	1228.2	2014.2	2199.2	2073.2
77.5°	37.5	45.3	80.3	80.3	87.3	221.2	520.1	1098.6	1013.3	843.8
80°	23.9	30.9	70.2	60.8	36.5	56.2	135.5	307.8	215.3	163.8
82.5°	14.0	20.2	58.5	40.2	20.4	20.8	38.3	65.5	55.8	43.5
85°	5.6	13.2	40.2	15.9	8.0	5.1	11.5	14.0	11.5	8.7
87.5°	0.0	3.1	7.0	0.0	0.6	0.4	0.8	1.0	1.0	0.8
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°
508.8	0°	508.8	508.8	508.8	508.8	508.8	508.8	508.8	508.8	508.8	508.8
509.2	2.5°	511.1	511.5	512.7	512.9	510.0	506.3	504.9	504.3	501.8	501.6
512.5	5°	517.3	519.1	517.3	511.9	499.1	481.2	467.6	456.5	446.4	443.3
523.9	7.5°	529.6	531.5	525.9	504.9	472.8	437.1	405.0	382.3	361.9	354.3
537.7	10°	547.3	549.8	532.3	489.9	433.0	375.7	321.4	283.0	253.2	241.0
556.4	12.5°	569.6	570.6	535.8	467.0	381.3	299.5	222.5	181.5	154.9	145.0
579.1	15°	594.1	592.7	536.2	435.9	310.8	211.8	145.2	119.3	108.6	105.3
601.7	17.5°	619.8	613.9	528.0	391.0	233.6	144.8	107.7	101.6	99.7	98.9
624.2	20°	645.2	631.8	512.9	332.3	167.7	108.1	97.8	96.0	95.0	94.6
646.8	22.5°	668.3	645.4	487.2	264.1	121.7	95.6	92.5	90.8	89.0	88.2
668.9	25°	690.7	653.2	450.9	200.4	97.4	89.4	86.9	83.8	81.4	80.3
692.6	27.5°	712.5	658.2	405.6	148.3	86.9	83.6	79.1	74.8	72.9	72.5
717.9	30°	735.8	659.8	354.1	110.6	80.5	76.4	69.8	64.9	63.9	64.1
752.1	32.5°	764.2	662.3	302.2	90.6	75.2	67.8	59.9	54.8	54.0	54.8
801.9	35°	798.2	667.2	252.1	83.4	70.5	58.9	50.5	46.1	45.3	45.9
865.8	37.5°	844.4	675.3	205.4	82.0	66.5	51.5	42.4	38.9	38.9	39.1
944.1	40°	905.8	696.7	163.6	81.0	64.5	45.9	35.8	34.4	35.0	35.4
1043.8	42.5°	980.5	742.2	135.3	79.7	62.2	43.5	32.5	31.9	33.0	33.4
1163.3	45°	1064.4	799.9	125.5	77.7	60.2	45.1	31.1	30.3	31.5	31.7
1297.2	47.5°	1151.1	856.3	124.2	75.4	58.1	47.6	30.7	28.8	30.3	30.5
1440.1	50°	1238.9	893.2	125.5	71.9	54.8	47.6	30.9	27.4	28.6	29.3
1588.4	52.5°	1327.2	910.1	124.6	64.3	49.0	44.7	30.9	26.2	27.4	27.8
1748.7	55°	1412.9	906.8	112.1	52.9	41.6	39.6	30.1	25.1	26.0	26.2
1900.1	57.5°	1480.7	860.9	88.8	41.2	33.8	33.0	27.4	23.9	24.5	24.3
2039.0	60°	1516.1	759.9	63.4	31.7	26.6	26.0	24.1	22.2	22.7	21.6
2156.6	62.5°	1516.6	626.4	42.4	25.1	21.2	20.6	20.6	20.0	19.6	17.5
2247.6	65°	1484.2	478.3	28.2	20.0	17.1	16.1	17.3	17.1	15.7	12.8
2275.4	67.5°	1410.9	313.5	21.4	15.7	13.2	12.6	13.8	14.4	13.4	10.7
2174.1	70°	1260.1	182.5	17.7	12.2	9.9	9.3	11.1	12.4	11.1	8.7
1858.3	72.5°	1046.7	98.5	14.4	9.1	6.8	6.2	8.9	10.1	8.9	6.4
1192.3	75°	679.2	52.7	11.1	6.0	3.5	3.9	6.6	7.4	6.2	4.1
350.0	77.5°	228.0	23.3	7.0	2.9	1.6	1.6	3.9	4.5	2.9	1.4
63.7	80°	50.9	9.7	2.9	1.2	0.6	0.6	0.8	0.8	0.4	0.0
19.6	82.5°	16.7	3.9	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0
4.9	85°	6.4	1.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.6	87.5°	2.5	0.2	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

180°
508.8
502.0
441.5
351.2
235.9
141.9
105.3
98.7
94.1
88.0
79.9
72.1
64.1
54.6
45.7
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