

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: P945444

Luminaire Tested: **GALN-SB1B-927-U-SL2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945444
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-11)
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-SL2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2779 lumens
Efficiency: N/A
Efficacy: 69.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

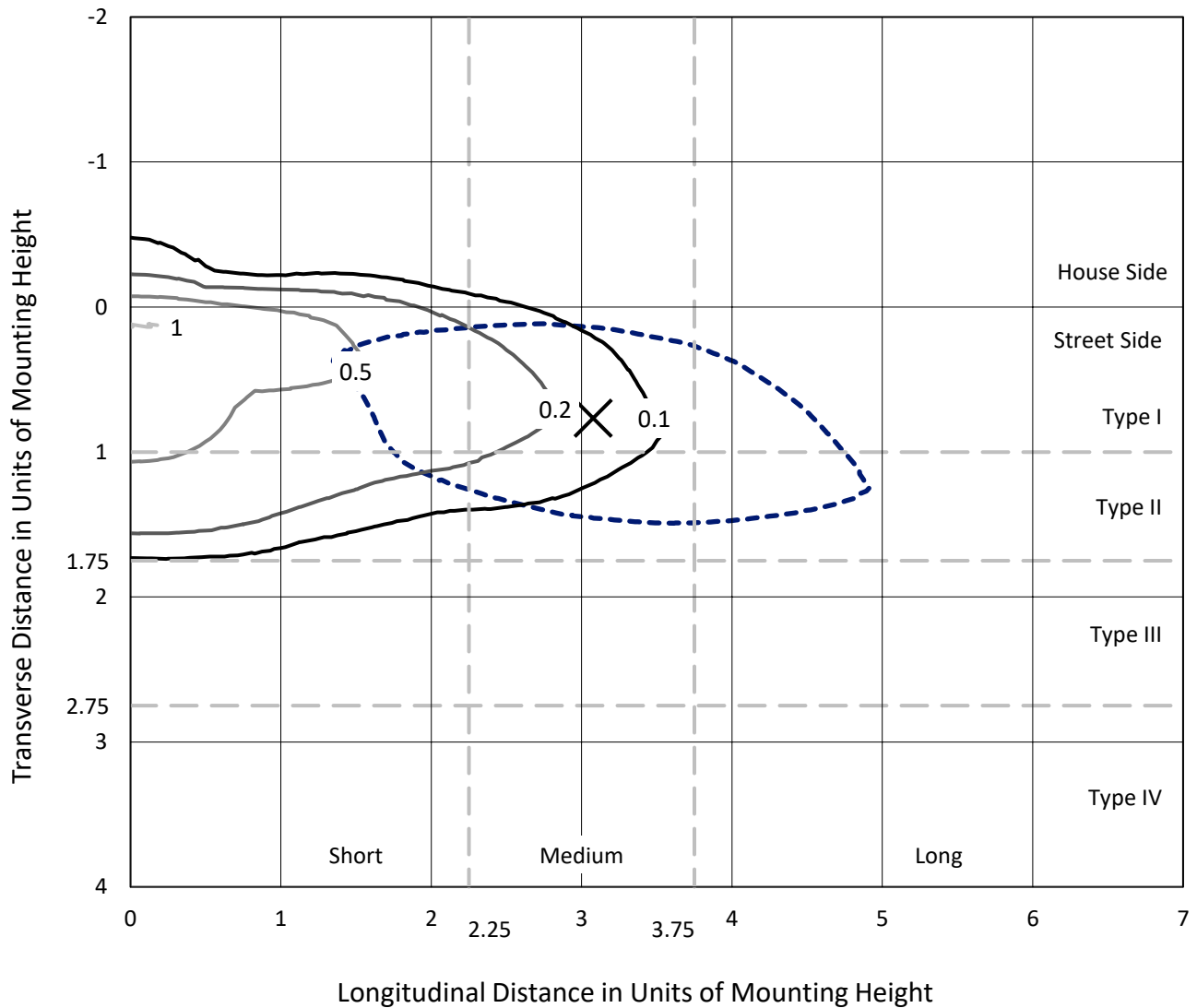
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

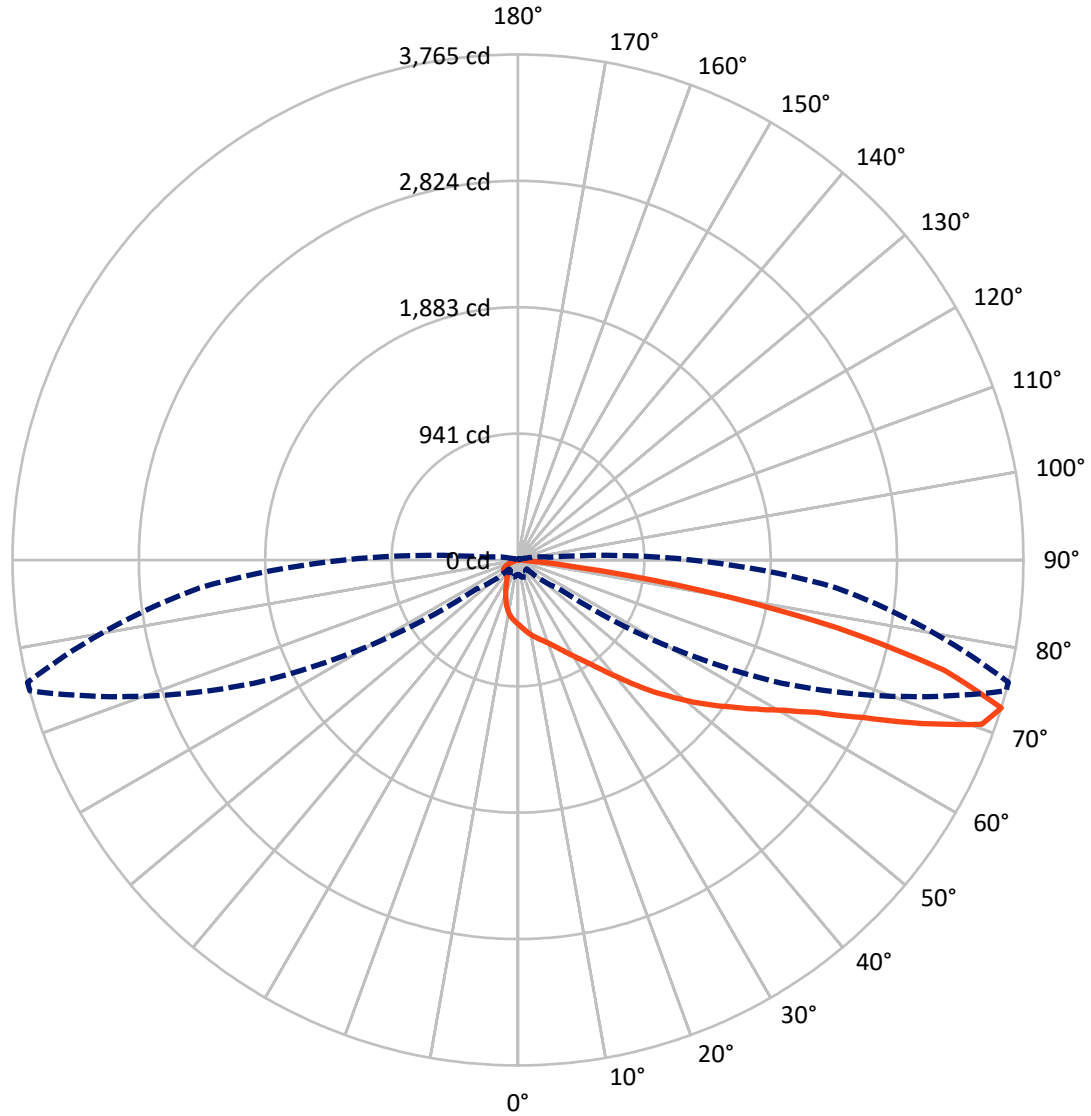
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	284.4	0.0	284.4
	% Fixture	10.2	0.0	10.2
Street Side	Lumens	2494.6	0.0	2494.6
	% Fixture	89.8	0.0	89.8
Total	Lumens	2779.0	0.0	2779.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.7	1.6
10°-20°	117.1	4.2
20°-30°	185.4	6.7
30°-40°	286.8	10.3
40°-50°	435.6	15.7
50°-60°	600.5	21.6
60°-70°	634.4	22.8
70°-80°	435.2	15.7
80°-90°	40.5	1.5
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°	2779.0	100.0
0°-180°	2779.0	100.0

Coefficient of Utilization



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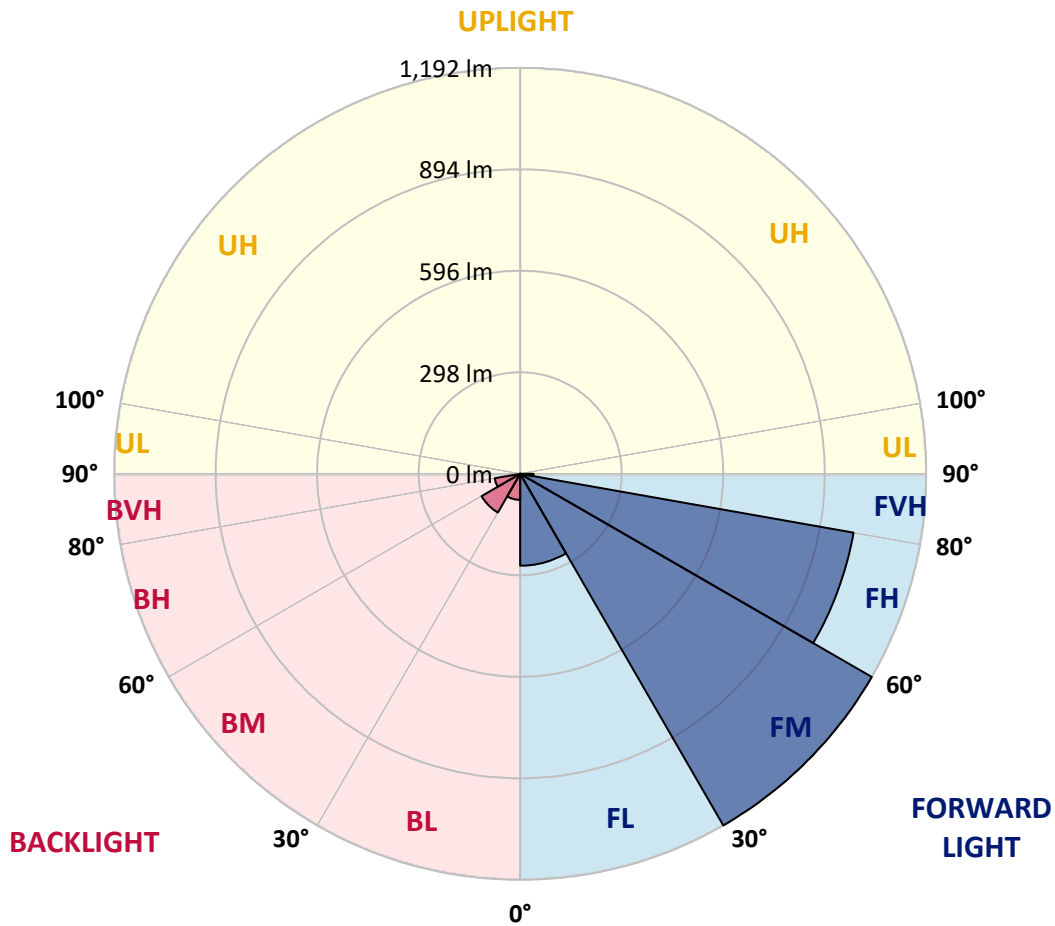
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	269.7	9.7			
FM (30°-60°)	1191.9	42.9			
FH (60°-80°)	993.6	35.8			G1/1800
FVH (80°-90°)	39.4	1.4			G1/100
BL (0°-30°)	76.5	2.8	B0/110		
BM (30°-60°)	130.9	4.7	B0/220		
BH (60°-80°)	75.9	2.7	B0/110		G0/110
BVH (80°-90°)	1.1	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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°
0°	480.2	480.2	480.2	480.2	480.2	480.2	480.2	480.2	480.2	480.2
2.5°	558.3	550.9	552.3	545.0	541.5	533.2	524.6	513.2	500.6	500.6
5°	617.1	612.4	612.4	603.7	597.0	584.1	568.6	548.6	524.8	522.4
7.5°	653.1	650.2	652.0	647.0	641.6	628.1	609.7	583.5	549.8	546.9
10°	660.1	660.0	665.0	666.5	670.1	663.2	646.8	616.7	574.5	570.4
12.5°	632.9	629.5	641.9	656.5	677.1	686.3	677.8	647.0	597.0	591.3
15°	588.2	588.9	600.8	623.4	657.6	690.4	701.4	676.5	619.9	613.1
17.5°	562.6	559.9	570.2	590.4	628.2	674.6	712.4	704.1	644.3	636.5
20°	559.6	559.4	561.7	570.9	599.8	651.9	711.2	731.0	672.9	663.9
22.5°	580.8	580.5	578.5	576.7	584.6	629.7	705.8	756.6	707.2	697.5
25°	613.5	612.9	609.8	598.9	591.1	617.8	700.7	780.4	747.8	736.9
27.5°	653.3	652.9	647.3	630.8	610.7	618.9	698.2	804.9	794.6	784.0
30°	702.1	701.4	689.9	666.5	640.3	636.0	701.6	832.5	843.5	835.4
32.5°	763.4	761.5	746.3	711.0	674.4	658.9	708.1	860.8	901.3	893.8
35°	810.8	807.8	799.0	767.8	713.9	687.0	723.2	894.3	970.9	964.3
37.5°	851.6	848.5	841.3	815.7	770.5	722.9	747.6	939.0	1053.1	1049.9
40°	895.6	890.5	887.1	859.7	818.8	774.6	782.4	991.3	1147.8	1148.1
42.5°	929.5	927.5	927.8	906.8	865.5	835.9	828.5	1050.2	1261.2	1264.6
45°	958.5	956.9	963.5	948.8	912.5	876.1	882.6	1116.9	1385.2	1392.2
47.5°	980.8	982.6	992.2	982.6	961.4	904.4	930.5	1188.9	1515.5	1516.4
50°	1003.2	1003.9	1019.8	1015.1	1006.4	940.3	974.7	1269.3	1652.9	1654.5
52.5°	1010.2	1009.1	1034.4	1045.9	1046.3	984.6	1031.9	1356.9	1787.5	1792.8
55°	974.2	977.2	1018.0	1064.8	1083.4	1045.9	1109.0	1467.7	1931.0	1933.2
57.5°	797.9	814.8	904.9	1013.6	1107.4	1133.7	1219.9	1597.4	2096.7	2094.7
60°	484.2	504.4	612.2	850.1	1029.2	1221.9	1383.2	1798.2	2277.7	2272.1
62.5°	270.8	276.9	311.3	508.9	782.7	1165.8	1542.7	2056.1	2520.7	2501.8
65°	199.6	201.5	209.7	249.3	384.7	896.7	1507.8	2364.6	2862.1	2828.4
67.5°	173.4	175.4	183.3	188.7	171.8	471.0	1242.2	2535.7	3295.7	3251.5
70°	146.0	147.1	159.9	163.5	122.9	179.2	798.0	2482.8	3696.9	3665.4
72.5°	108.9	113.2	131.8	140.4	98.6	95.2	375.7	2170.8	3764.9	3765.3
75°	73.9	77.9	99.1	115.6	76.1	66.7	151.6	1621.0	3278.4	3278.4
77.5°	50.5	53.7	69.0	90.7	57.7	45.8	78.6	1028.8	2352.0	2434.7
80°	22.4	24.3	44.5	65.8	43.8	29.6	44.5	563.3	1422.3	1404.8
82.5°	11.0	12.6	28.5	41.1	28.3	18.2	23.4	267.9	460.9	438.1
85°	2.2	2.9	15.3	17.5	13.2	8.1	8.8	82.4	55.5	63.5
87.5°	0.0	0.0	4.7	3.2	1.4	1.8	1.8	7.4	4.3	5.0
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°
480.2	0°	480.2	480.2	480.2	480.2	480.2	480.2	480.2	480.2	480.2	480.2
488.3	2.5°	481.9	475.2	460.6	446.2	431.4	417.9	408.5	399.1	393.3	390.8
499.2	5°	485.6	472.1	441.5	409.4	377.7	346.7	323.4	301.6	294.7	283.4
512.0	7.5°	491.6	469.6	421.3	367.2	315.7	270.2	237.4	211.3	200.8	190.7
523.0	10°	495.6	464.9	394.6	322.3	252.6	201.5	170.2	151.2	144.4	138.3
533.2	12.5°	497.2	456.3	364.0	272.0	196.5	153.6	134.8	126.0	123.7	121.5
543.0	15°	498.6	447.8	329.7	223.5	155.2	128.5	121.1	118.3	116.6	115.2
552.9	17.5°	499.9	437.0	290.6	181.7	131.1	118.4	114.8	111.8	110.5	108.9
567.1	20°	504.2	426.5	255.6	150.0	117.9	111.2	107.3	104.0	102.9	101.9
587.3	22.5°	512.3	418.0	221.7	128.5	110.0	103.8	98.8	95.2	94.5	93.7
611.8	25°	522.1	407.6	189.8	114.7	102.2	95.4	89.8	86.7	86.0	86.2
640.1	27.5°	534.5	396.0	162.4	105.8	95.4	87.4	81.1	78.8	79.1	79.9
672.8	30°	548.2	385.4	141.0	99.7	89.2	80.4	74.1	72.5	73.7	74.8
716.4	32.5°	568.6	376.0	126.0	94.8	83.8	74.6	69.6	67.6	69.0	70.5
772.1	35°	596.3	371.4	117.5	90.7	79.1	70.1	65.1	63.6	65.1	65.4
840.1	37.5°	630.4	371.0	113.9	87.2	74.8	66.3	60.8	60.2	61.3	61.5
921.7	40°	674.4	373.3	111.2	84.7	70.3	62.0	56.8	56.2	56.6	57.9
1020.0	42.5°	730.1	383.1	107.4	81.5	65.4	57.7	53.5	52.3	52.1	53.5
1129.9	45°	800.0	404.5	102.4	76.3	61.1	54.1	49.9	48.5	48.0	48.3
1243.5	47.5°	876.3	430.8	97.3	71.4	58.0	51.2	47.1	45.2	44.3	44.3
1349.7	50°	950.2	460.6	93.9	66.3	55.9	48.5	44.0	42.2	40.7	40.4
1458.9	52.5°	1023.4	489.8	91.2	61.3	53.4	45.1	41.1	39.1	37.5	36.8
1567.1	55°	1090.1	517.6	86.5	56.4	50.1	41.5	38.2	36.2	34.3	33.0
1676.7	57.5°	1154.1	540.6	77.9	51.4	45.1	38.0	35.2	33.0	30.6	29.0
1787.5	60°	1212.3	552.5	67.1	46.0	40.0	34.4	31.7	29.7	26.7	24.0
1896.6	62.5°	1256.7	547.8	55.3	39.8	34.8	31.2	27.8	25.8	22.2	18.9
2027.3	65°	1302.1	522.2	44.2	33.3	30.5	26.9	23.3	21.3	17.1	13.7
2204.1	67.5°	1361.0	467.6	34.8	27.8	26.3	21.3	18.2	16.9	14.1	10.8
2394.0	70°	1398.9	363.2	27.0	22.5	21.6	15.5	14.1	13.9	11.2	8.3
2381.2	72.5°	1295.0	238.1	20.7	17.1	15.5	10.1	10.8	10.8	8.1	5.6
2087.3	75°	1081.1	139.3	15.0	12.3	8.8	6.5	7.4	7.4	5.0	2.7
1487.8	77.5°	772.1	74.3	9.9	7.6	4.5	2.9	4.0	3.8	1.6	0.2
583.2	80°	295.3	25.6	4.7	3.1	1.3	0.5	0.4	0.2	0.2	0.0
91.0	82.5°	45.1	6.7	0.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0
19.3	85°	8.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.0	87.5°	1.8	0.0	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

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<u>180°</u>
480.2
391.2
284.1
190.5
138.1
121.5
115.2
108.9
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93.2
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