

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: P938836

Luminaire Tested: **GALN-SB1A-927-U-T3-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P938836  
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-927-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

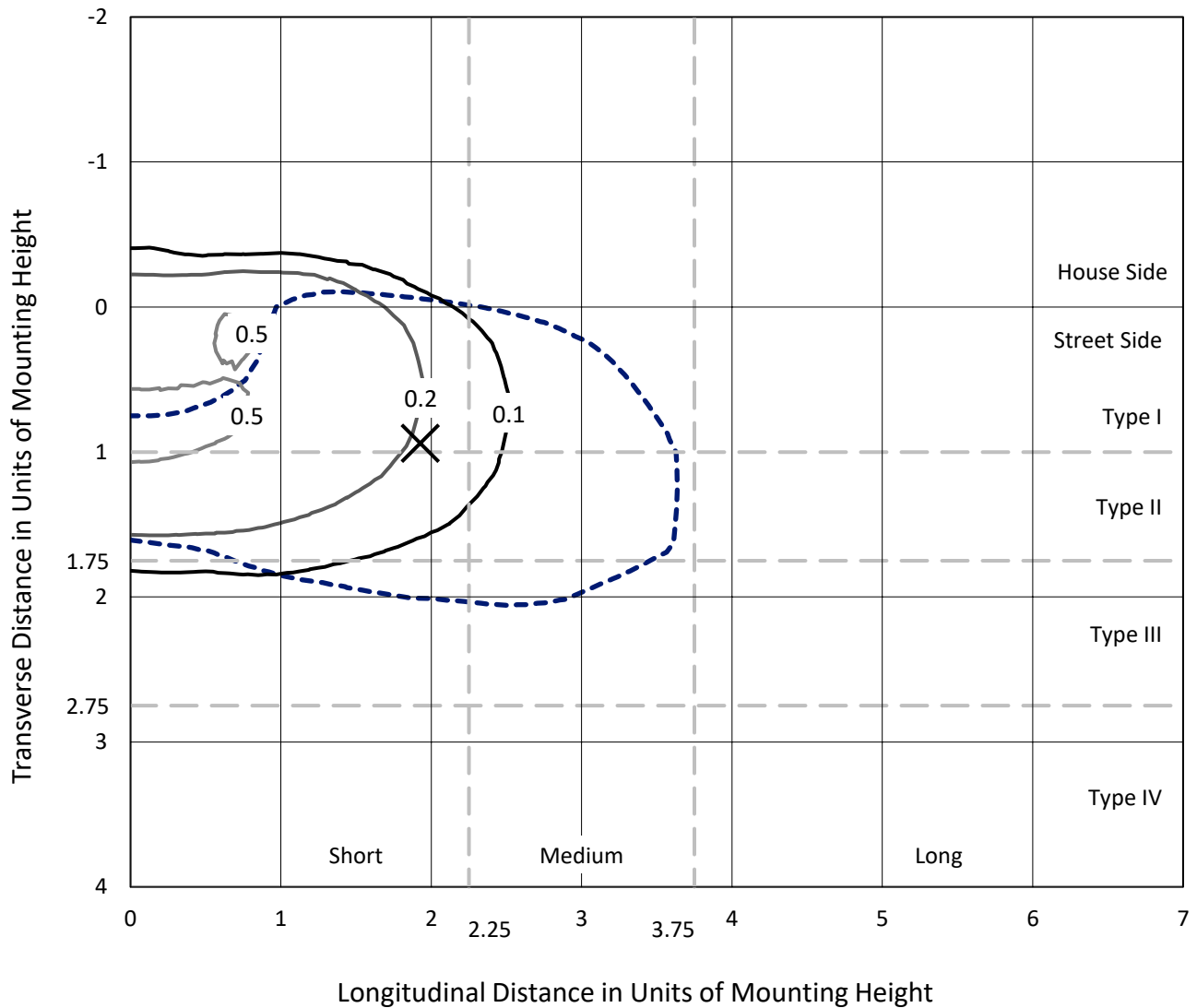
Lumens per Lamp: N/A  
Luminaire Lumens: 2142 lumens  
Efficiency: N/A  
Efficacy: 69.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

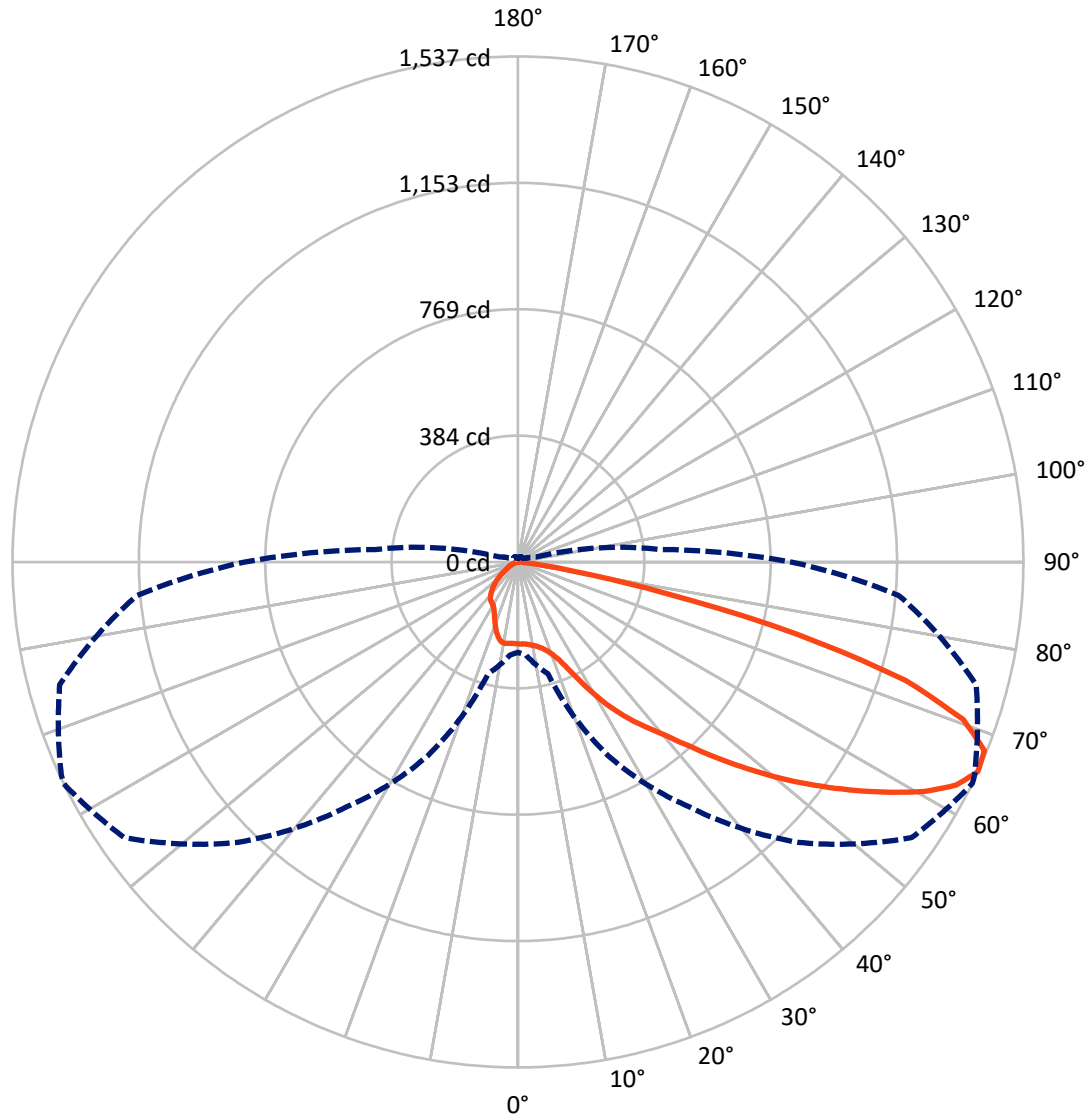
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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	286.5	0.0	286.5
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	1855.5	0.0	1855.5
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	2142.0	0.0	2142.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.0	1.1
10°-20°	62.3	2.9
20°-30°	118.1	5.5
30°-40°	239.0	11.2
40°-50°	407.2	19.0
50°-60°	553.8	25.9
60°-70°	520.0	24.3
70°-80°	208.3	9.7
80°-90°	10.1	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°	2142.0	100.0
0°-180°	2142.0	100.0

**Coefficient of Utilization**



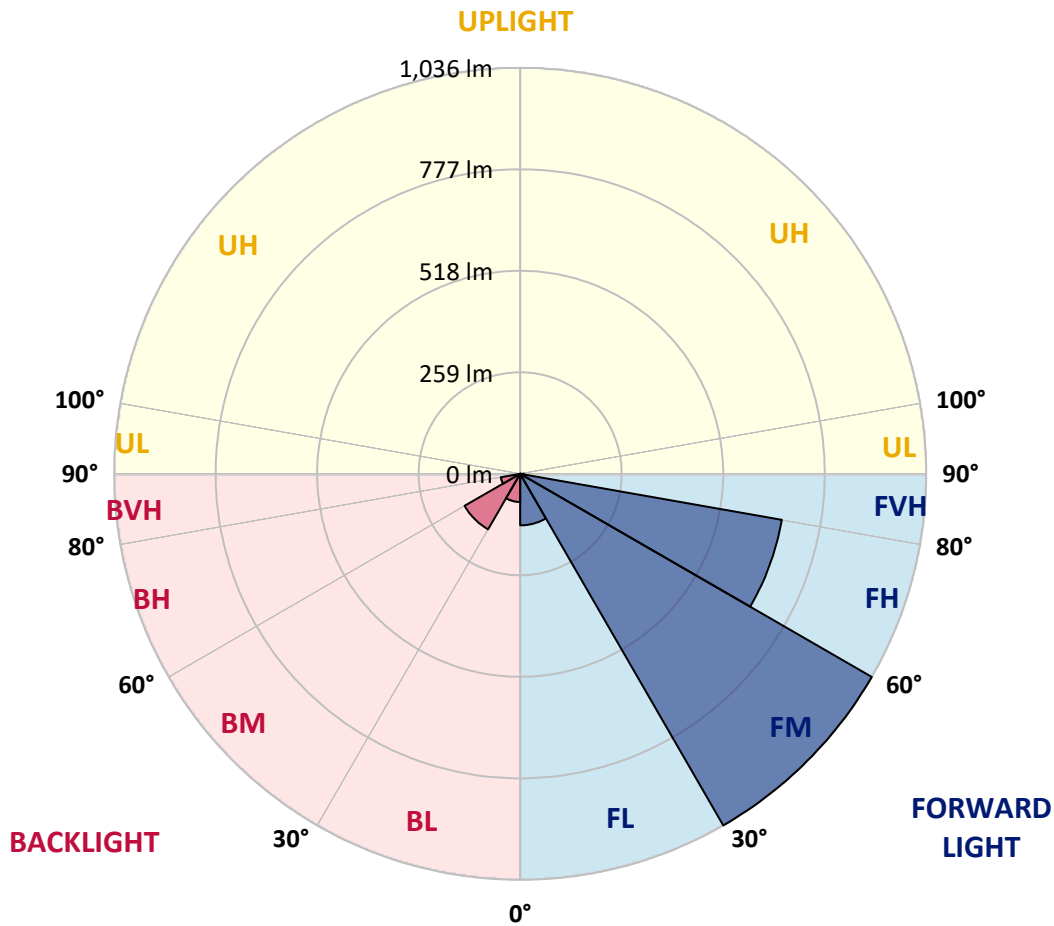
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	131.5	6.1			
FM	(30°-60°)	1036.3	48.4			
FH	(60°-80°)	678.1	31.7			G1/1800
FVH	(80°-90°)	9.6	0.4			G0/10
BL	(0°-30°)	71.9	3.4	B0/110		
BM	(30°-60°)	163.8	7.6	B0/220		
BH	(60°-80°)	50.3	2.3	B0/110		G0/110
BVH	(80°-90°)	0.5	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°	249.1	249.1	249.1	249.1	249.1	249.1	249.1	249.1	249.1	249.1
2.5°	248.3	250.0	249.6	249.1	249.0	249.3	249.4	249.3	249.3	249.3
5°	243.5	245.0	245.0	246.0	247.4	249.1	250.4	250.7	251.0	251.4
7.5°	234.5	235.6	236.5	239.8	243.4	248.0	251.9	253.9	254.2	255.7
10°	228.3	229.8	231.2	234.6	239.8	246.7	253.3	258.2	258.9	262.6
12.5°	228.0	229.5	231.3	235.1	241.1	248.4	256.5	263.5	264.8	270.2
15°	231.0	232.8	234.5	239.1	245.5	254.4	263.1	271.8	273.1	280.9
17.5°	237.2	239.5	240.8	245.4	252.3	262.2	273.5	283.6	284.7	293.8
20°	249.4	252.2	252.6	256.3	263.1	273.7	287.2	299.7	301.1	311.5
22.5°	274.7	278.6	275.1	277.0	283.0	293.7	308.3	324.1	326.1	337.9
25°	319.2	324.7	315.8	312.6	315.2	326.2	344.6	364.6	366.9	376.4
27.5°	406.7	399.6	386.1	372.9	365.2	371.5	392.2	416.9	419.7	428.9
30°	502.7	496.6	478.3	449.0	430.6	429.6	448.7	476.3	479.6	488.4
32.5°	598.9	593.0	573.2	537.2	505.3	489.5	502.7	533.3	535.0	540.6
35°	693.6	687.5	667.7	630.8	591.6	555.7	553.1	587.6	588.2	594.1
37.5°	788.8	783.7	762.6	726.4	687.8	638.3	614.3	639.0	639.7	645.5
40°	856.7	858.8	844.3	816.3	783.2	729.0	682.9	693.7	689.4	699.0
42.5°	915.0	919.3	906.7	892.6	873.3	825.7	767.9	766.1	759.2	764.4
45°	965.4	969.0	957.6	954.3	953.9	920.4	860.9	849.6	840.0	839.0
47.5°	983.9	990.8	995.7	1006.7	1028.3	1014.2	956.9	939.5	928.8	920.9
50°	990.9	998.3	1014.9	1047.1	1098.1	1104.1	1052.5	1033.0	1019.8	1005.5
52.5°	981.5	994.5	1016.9	1071.1	1145.0	1176.2	1144.3	1127.2	1112.1	1088.7
55°	925.6	938.7	984.5	1070.8	1168.4	1226.7	1231.0	1223.4	1206.5	1169.6
57.5°	807.9	827.2	899.8	1034.3	1168.0	1270.2	1316.0	1321.5	1302.5	1249.7
60°	644.7	671.0	759.5	953.5	1132.0	1293.8	1390.6	1417.9	1397.8	1328.7
62.5°	449.9	480.3	564.0	826.8	1049.5	1276.8	1445.0	1495.4	1480.2	1399.3
65°	274.4	284.2	351.7	650.6	909.4	1205.9	1461.8	1537.3	1532.3	1442.6
67.5°	182.8	191.0	210.4	446.1	705.9	1064.2	1421.6	1530.0	1531.4	1435.5
70°	110.1	117.2	129.8	259.5	457.5	842.3	1297.1	1436.7	1445.0	1341.5
72.5°	45.4	50.1	61.6	117.6	236.9	534.6	1032.9	1233.5	1252.9	1127.9
75°	25.7	28.1	36.2	59.0	102.8	249.1	625.6	875.6	904.2	777.4
77.5°	17.1	18.2	23.4	38.2	57.9	85.0	267.4	456.2	510.8	424.6
80°	11.5	12.5	16.1	25.6	37.6	36.5	85.2	169.0	207.9	145.9
82.5°	7.8	7.9	11.5	16.8	23.8	17.7	25.1	52.6	66.1	42.2
85°	4.5	4.3	8.5	9.8	10.6	7.3	7.6	15.8	20.7	17.8
87.5°	0.6	0.9	3.3	2.6	1.4	1.6	1.6	2.7	4.0	4.3
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°
249.1	0°	249.1	249.1	249.1	249.1	249.1	249.1	249.1	249.1	249.1	249.1
249.4	2.5°	249.4	249.3	248.8	248.4	247.4	246.8	247.1	246.8	246.7	246.8
251.3	5°	251.3	250.9	249.7	248.3	246.3	243.8	242.2	239.9	237.8	236.5
256.3	7.5°	256.3	255.9	254.3	250.3	243.8	233.6	224.3	216.1	209.9	206.3
264.4	10°	264.4	263.6	261.2	252.3	235.4	213.1	194.6	179.2	169.2	164.4
273.8	12.5°	273.8	273.0	268.7	250.4	219.3	184.5	159.0	141.9	132.5	128.4
284.7	15°	285.0	283.9	275.4	241.5	195.9	152.9	129.5	116.7	110.7	107.0
298.7	17.5°	299.0	297.0	280.4	228.2	170.4	128.8	111.4	101.8	96.5	92.9
316.9	20°	317.1	313.8	284.5	212.2	147.0	113.6	99.2	91.2	87.2	84.0
342.8	22.5°	342.3	337.6	289.3	195.0	130.5	103.1	90.2	84.3	81.0	77.4
378.8	25°	373.6	368.0	295.4	179.1	119.2	94.1	83.6	78.7	74.8	70.6
426.0	27.5°	417.4	407.4	302.6	166.0	109.4	86.3	77.5	72.1	67.6	64.2
479.6	30°	466.3	449.7	308.9	158.1	100.5	79.1	69.6	64.2	60.0	57.6
527.7	32.5°	512.5	490.1	313.0	154.7	92.5	70.9	61.0	55.1	52.0	51.3
574.8	35°	556.1	526.6	312.6	151.3	85.3	62.8	52.6	46.5	44.1	44.5
625.5	37.5°	606.4	565.5	309.6	146.2	79.4	55.3	45.2	39.9	37.8	37.9
687.1	40°	664.8	610.4	307.7	136.4	72.9	48.4	39.2	34.9	33.3	32.7
752.0	42.5°	727.2	653.9	308.0	125.4	64.9	42.2	35.0	31.4	30.0	29.6
824.2	45°	789.8	695.4	308.4	113.9	56.4	37.5	32.0	29.0	28.1	27.6
897.5	47.5°	848.6	730.8	300.4	101.5	48.1	33.9	29.6	27.6	26.9	26.1
971.0	50°	903.5	754.3	281.0	87.2	41.5	31.0	27.7	26.3	25.6	24.8
1037.6	52.5°	946.1	758.0	249.0	72.4	36.9	28.9	26.6	25.3	24.4	23.7
1091.5	55°	965.1	734.6	203.5	58.6	33.3	27.0	25.4	24.1	23.1	22.4
1133.8	57.5°	960.2	685.4	158.7	47.1	29.9	25.1	24.0	23.1	22.0	20.8
1168.1	60°	936.2	619.5	119.6	39.2	26.7	23.1	22.4	21.7	20.1	18.4
1181.4	62.5°	894.7	536.6	85.3	32.5	23.3	20.8	20.5	20.0	17.7	14.5
1161.8	65°	831.3	436.0	57.4	27.0	20.0	18.2	18.4	17.4	14.4	10.8
1090.3	67.5°	738.5	318.8	36.8	22.1	16.7	15.2	15.4	14.8	12.2	9.2
954.8	70°	620.3	211.1	24.0	16.8	13.4	11.8	12.6	12.8	10.3	7.5
732.8	72.5°	454.8	124.6	16.8	12.5	9.8	8.2	10.3	10.6	8.3	5.6
440.8	75°	259.2	59.2	12.6	9.0	6.0	5.7	8.0	8.0	5.7	3.7
190.8	77.5°	108.8	24.7	8.9	5.9	3.4	3.3	5.5	5.0	2.9	1.7
46.5	80°	31.4	11.1	4.7	2.9	1.4	1.3	2.2	1.6	0.7	0.3
17.7	82.5°	12.3	4.9	1.9	1.1	0.6	0.6	0.3	0.0	0.0	0.0
10.1	85°	7.3	2.0	0.9	0.4	0.1	0.0	0.0	0.0	0.0	0.0
2.2	87.5°	1.9	0.4	0.3	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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180°  
249.1  
247.4  
236.8  
206.5  
164.0  
127.9  
107.1  
92.6  
83.4  
76.8  
70.2  
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57.2  
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44.5  
38.5  
32.6  
29.4  
27.6  
26.1  
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23.5  
22.3  
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