

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: P938876

Luminaire Tested: **GALN-SB1A-950-U-T3-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P938876  
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-950-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 5000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

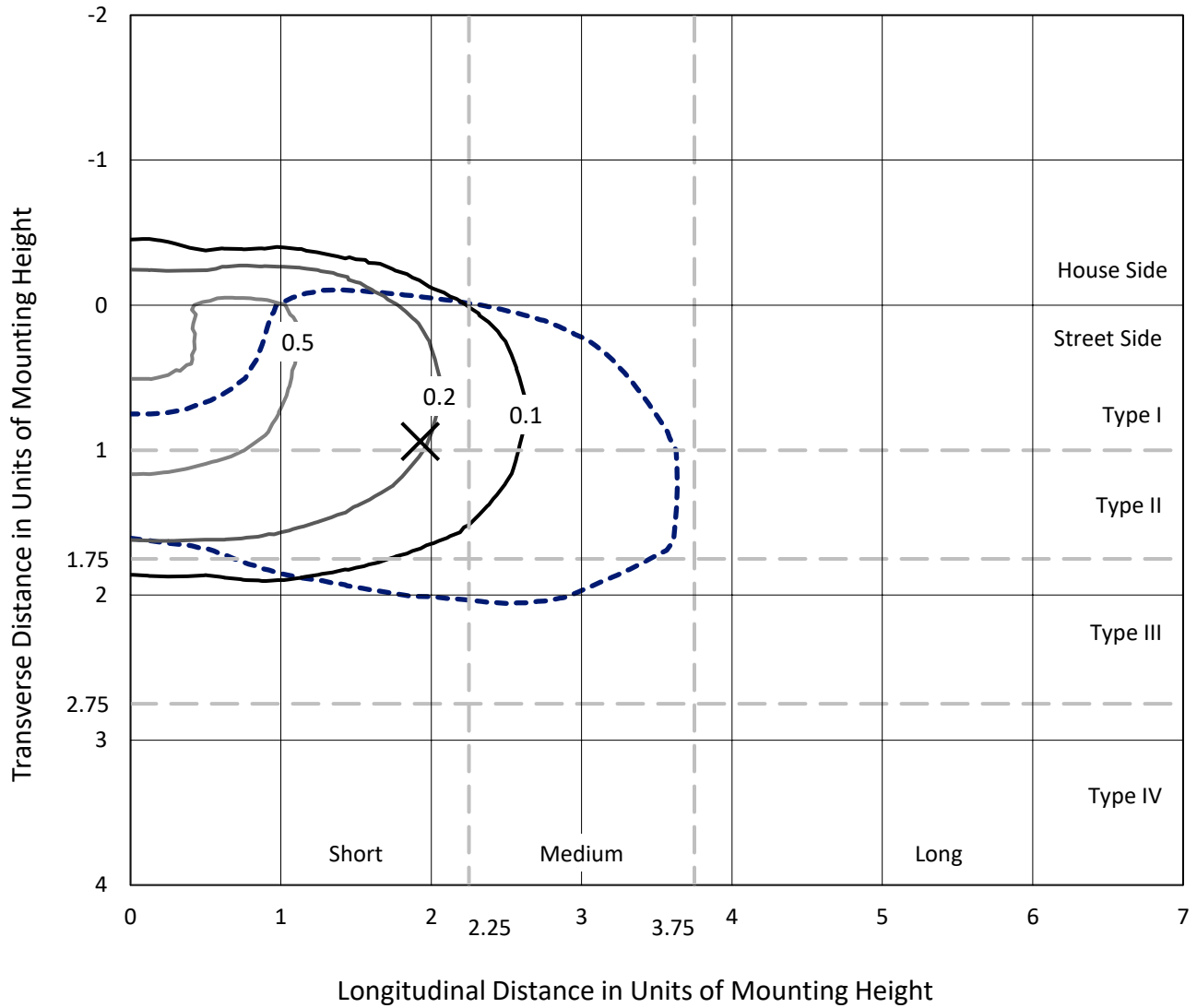
Lumens per Lamp: N/A  
Luminaire Lumens: 2448 lumens  
Efficiency: N/A  
Efficacy: 79.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

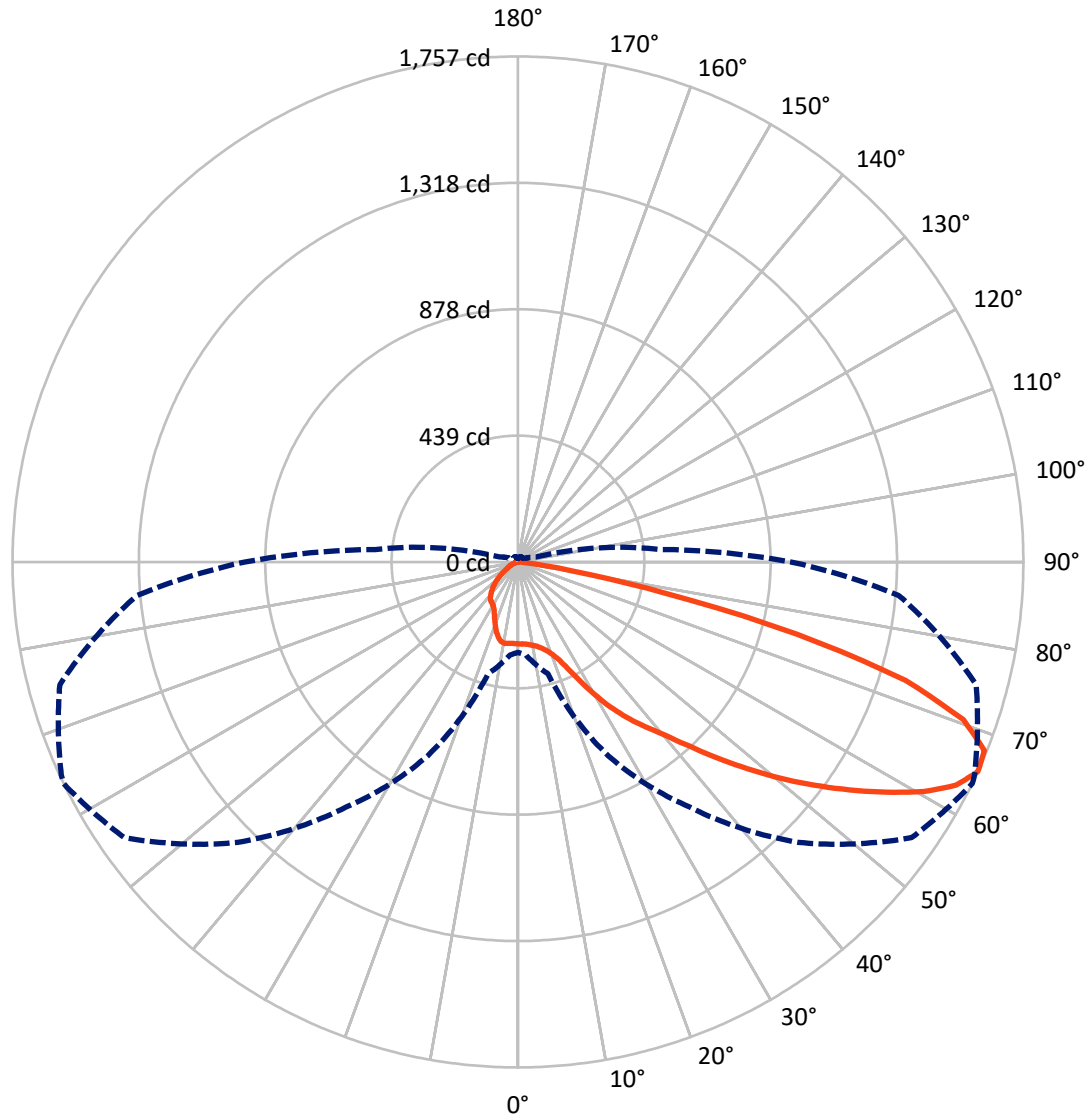
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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	327.4	0.0	327.4
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	2120.6	0.0	2120.6
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	2448.0	0.0	2448.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.3	1.1
10°-20°	71.2	2.9
20°-30°	135.0	5.5
30°-40°	273.2	11.2
40°-50°	465.4	19.0
50°-60°	632.9	25.9
60°-70°	594.3	24.3
70°-80°	238.1	9.7
80°-90°	11.5	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°	2448.0	100.0
0°-180°	2448.0	100.0

**Coefficient of Utilization**



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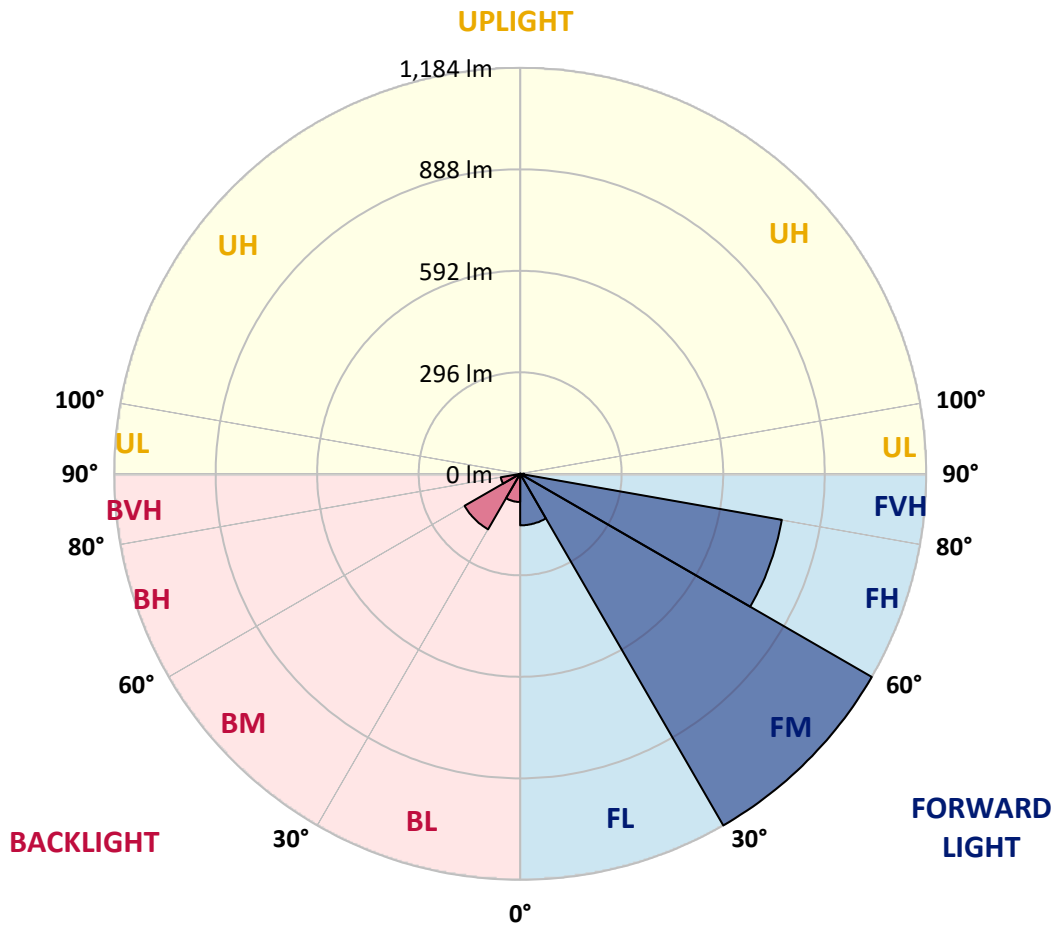
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	150.3	6.1			
FM (30°-60°)	1184.3	48.4			
FH (60°-80°)	775.0	31.7			G1/1800
FVH (80°-90°)	11.0	0.4			G1/100
BL (0°-30°)	82.2	3.4	B0/110		
BM (30°-60°)	187.2	7.6	B0/220		
BH (60°-80°)	57.5	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°	284.7	284.7	284.7	284.7	284.7	284.7	284.7	284.7	284.7	284.7
2.5°	283.7	285.7	285.2	284.7	284.6	284.9	285.1	284.9	284.9	284.9
5°	278.3	280.0	280.0	281.1	282.8	284.7	286.2	286.5	286.9	287.4
7.5°	268.0	269.3	270.3	274.1	278.2	283.4	287.8	290.1	290.5	292.3
10°	260.9	262.6	264.2	268.2	274.1	281.9	289.5	295.1	295.9	300.2
12.5°	260.6	262.2	264.4	268.6	275.5	283.9	293.1	301.1	302.6	308.9
15°	264.1	266.0	268.0	273.2	280.6	290.8	300.6	310.7	312.1	321.0
17.5°	271.1	273.7	275.2	280.5	288.3	299.7	312.6	324.1	325.4	335.8
20°	285.1	288.2	288.7	292.9	300.6	312.8	328.2	342.5	344.1	356.0
22.5°	313.9	318.4	314.4	316.6	323.5	335.6	352.3	370.4	372.7	386.1
25°	364.8	371.0	360.9	357.3	360.2	372.9	393.9	416.7	419.3	430.1
27.5°	464.8	456.7	441.3	426.2	417.3	424.5	448.2	476.4	479.7	490.2
30°	574.5	567.5	546.6	513.2	492.2	491.0	512.8	544.3	548.1	558.1
32.5°	684.5	677.8	655.1	613.9	577.5	559.4	574.5	609.5	611.5	617.9
35°	792.6	785.8	763.1	720.9	676.1	635.1	632.1	671.5	672.2	678.9
37.5°	901.4	895.7	871.6	830.2	786.1	729.5	702.1	730.3	731.1	737.7
40°	979.1	981.5	965.0	933.0	895.0	833.2	780.5	792.8	787.9	798.9
42.5°	1045.7	1050.6	1036.2	1020.1	998.1	943.6	877.7	875.5	867.6	873.5
45°	1103.3	1107.4	1094.4	1090.7	1090.2	1051.9	983.8	971.0	960.0	958.9
47.5°	1124.5	1132.3	1137.9	1150.6	1175.2	1159.1	1093.6	1073.8	1061.5	1052.4
50°	1132.5	1140.9	1159.9	1196.7	1254.9	1261.8	1202.9	1180.6	1165.5	1149.1
52.5°	1121.7	1136.6	1162.2	1224.1	1308.6	1344.2	1307.8	1288.2	1271.0	1244.3
55°	1057.8	1072.8	1125.1	1223.8	1335.3	1402.0	1406.9	1398.2	1378.8	1336.7
57.5°	923.3	945.4	1028.3	1182.1	1334.9	1451.7	1504.1	1510.3	1488.6	1428.2
60°	736.8	766.9	868.0	1089.7	1293.7	1478.6	1589.2	1620.4	1597.4	1518.5
62.5°	514.2	548.9	644.6	944.9	1199.5	1459.3	1651.4	1709.0	1691.6	1599.2
65°	313.6	324.8	401.9	743.6	1039.3	1378.2	1670.6	1756.9	1751.2	1648.6
67.5°	208.9	218.3	240.4	509.9	806.8	1216.2	1624.7	1748.6	1750.2	1640.6
70°	125.9	133.9	148.4	296.5	522.8	962.7	1482.4	1641.9	1651.4	1533.1
72.5°	51.9	57.3	70.4	134.4	270.8	611.0	1180.4	1409.7	1431.8	1289.1
75°	29.4	32.2	41.4	67.4	117.5	284.7	715.0	1000.7	1033.4	888.5
77.5°	19.5	20.8	26.7	43.7	66.1	97.2	305.6	521.4	583.7	485.3
80°	13.1	14.3	18.4	29.2	43.0	41.7	97.3	193.2	237.6	166.7
82.5°	8.9	9.0	13.1	19.2	27.2	20.2	28.7	60.1	75.5	48.2
85°	5.1	4.9	9.7	11.2	12.1	8.4	8.7	18.1	23.6	20.3
87.5°	0.7	1.0	3.8	3.0	1.6	1.8	1.8	3.1	4.6	4.9
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°
284.7	0°	284.7	284.7	284.7	284.7	284.7	284.7	284.7	284.7	284.7	284.7
285.1	2.5°	285.1	284.9	284.4	283.9	282.8	282.1	282.4	282.1	281.9	282.1
287.2	5°	287.2	286.7	285.4	283.7	281.4	278.7	276.9	274.2	271.8	270.3
292.9	7.5°	292.9	292.4	290.6	286.0	278.7	267.0	256.3	247.0	239.9	235.8
302.1	10°	302.1	301.3	298.5	288.3	269.0	243.5	222.4	204.8	193.3	187.9
313.0	12.5°	313.0	312.0	307.0	286.2	250.6	210.9	181.7	162.1	151.5	146.7
325.4	15°	325.8	324.4	314.8	276.0	223.8	174.8	148.0	133.4	126.5	122.3
341.3	17.5°	341.7	339.4	320.5	260.8	194.8	147.2	127.3	116.4	110.3	106.2
362.2	20°	362.4	358.6	325.1	242.6	168.0	129.8	113.4	104.2	99.6	96.0
391.7	22.5°	391.2	385.8	330.7	222.9	149.2	117.8	103.1	96.3	92.6	88.5
432.9	25°	427.0	420.6	337.6	204.6	136.2	107.5	95.5	89.9	85.5	80.7
486.9	27.5°	477.1	465.6	345.8	189.7	125.1	98.6	88.6	82.4	77.3	73.4
548.1	30°	532.9	514.0	353.0	180.7	114.9	90.4	79.6	73.4	68.6	65.8
603.1	32.5°	585.7	560.1	357.8	176.7	105.7	81.1	69.7	63.0	59.4	58.6
656.9	35°	635.6	601.8	357.3	173.0	97.5	71.7	60.1	53.2	50.4	50.9
714.9	37.5°	693.0	646.3	353.8	167.1	90.8	63.2	51.7	45.6	43.2	43.3
785.3	40°	759.8	697.6	351.7	155.9	83.4	55.3	44.8	39.9	38.1	37.4
859.4	42.5°	831.0	747.3	352.0	143.3	74.2	48.2	40.0	35.9	34.3	33.8
942.0	45°	902.6	794.8	352.5	130.1	64.5	42.8	36.6	33.1	32.2	31.5
1025.7	47.5°	969.9	835.1	343.3	116.0	55.0	38.7	33.8	31.5	30.7	29.9
1109.7	50°	1032.6	862.1	321.2	99.6	47.4	35.4	31.7	30.0	29.2	28.4
1185.8	52.5°	1081.3	866.3	284.6	82.7	42.2	33.0	30.4	28.9	27.9	27.1
1247.4	55°	1103.0	839.6	232.5	67.0	38.1	30.9	29.0	27.6	26.4	25.6
1295.8	57.5°	1097.4	783.3	181.3	53.8	34.1	28.7	27.4	26.4	25.1	23.8
1335.0	60°	1070.0	708.0	136.7	44.8	30.5	26.4	25.6	24.8	23.0	21.0
1350.1	62.5°	1022.6	613.3	97.5	37.1	26.6	23.8	23.5	22.8	20.2	16.6
1327.8	65°	950.0	498.2	65.6	30.9	22.8	20.8	21.0	19.9	16.4	12.3
1246.1	67.5°	844.0	364.3	42.0	25.3	19.0	17.4	17.6	16.9	13.9	10.5
1091.2	70°	708.9	241.2	27.4	19.2	15.3	13.5	14.4	14.6	11.8	8.5
837.4	72.5°	519.7	142.4	19.2	14.3	11.2	9.4	11.8	12.1	9.5	6.4
503.8	75°	296.2	67.6	14.4	10.3	6.9	6.6	9.2	9.2	6.6	4.3
218.1	77.5°	124.4	28.2	10.2	6.7	3.9	3.8	6.2	5.7	3.3	2.0
53.2	80°	35.9	12.6	5.4	3.3	1.6	1.5	2.5	1.8	0.8	0.3
20.2	82.5°	14.1	5.6	2.1	1.3	0.7	0.7	0.3	0.0	0.0	0.0
11.5	85°	8.4	2.3	1.0	0.5	0.2	0.0	0.0	0.0	0.0	0.0
2.5	87.5°	2.1	0.5	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°  
284.7  
282.8  
270.6  
236.0  
187.4  
146.2  
122.4  
105.8  
95.3  
87.8  
80.2  
72.5  
65.3  
59.1  
50.9  
44.0  
37.3  
33.6  
31.5  
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28.4  
26.9  
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