

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: P945466

Luminaire Tested: **GALN-SB1B-930-U-SL2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P945466  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB1B-930-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 3000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II SPILL LIGHT  
ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

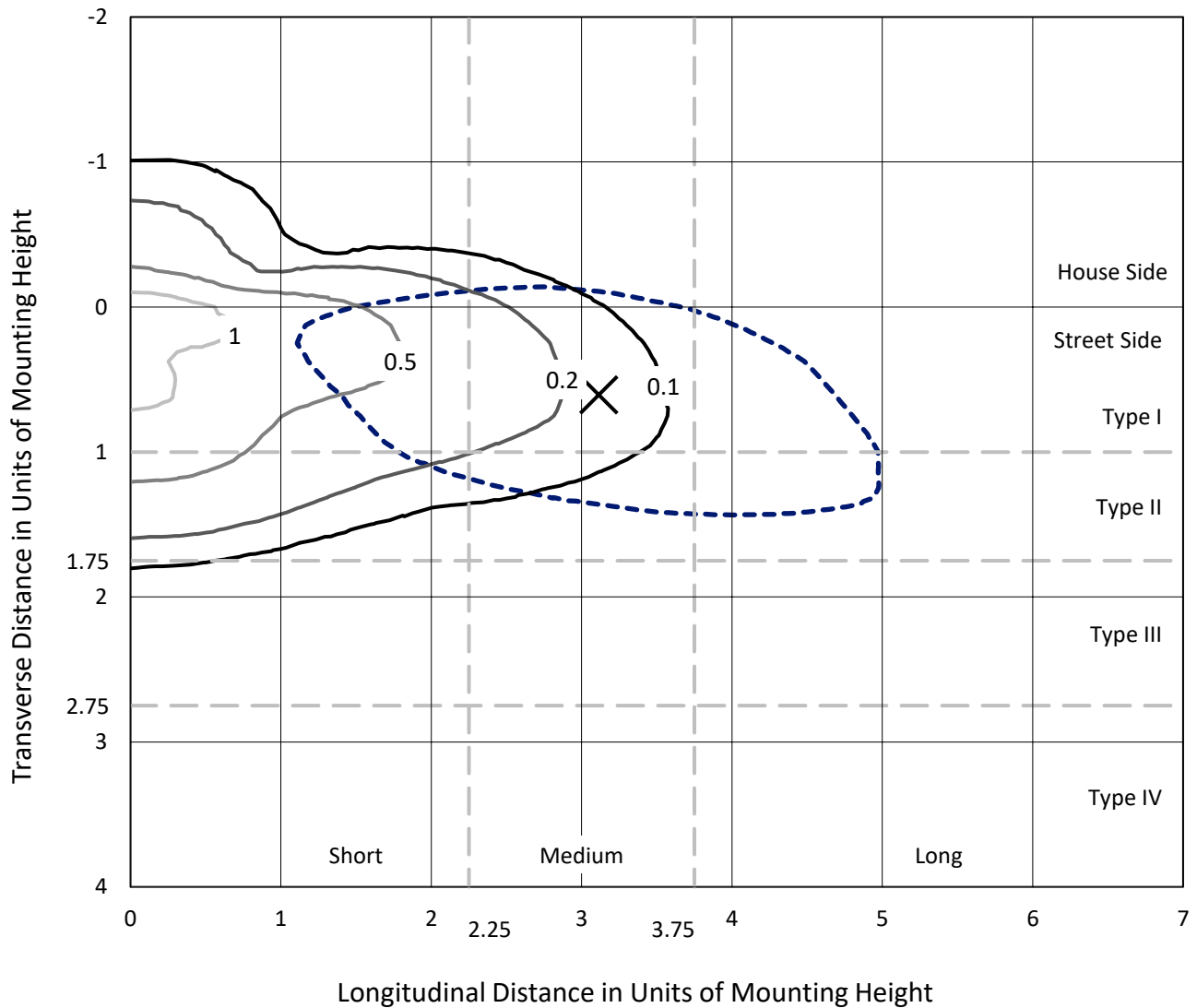
Lumens per Lamp: N/A  
Luminaire Lumens: 3895 lumens  
Efficiency: N/A  
Efficacy: 97.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

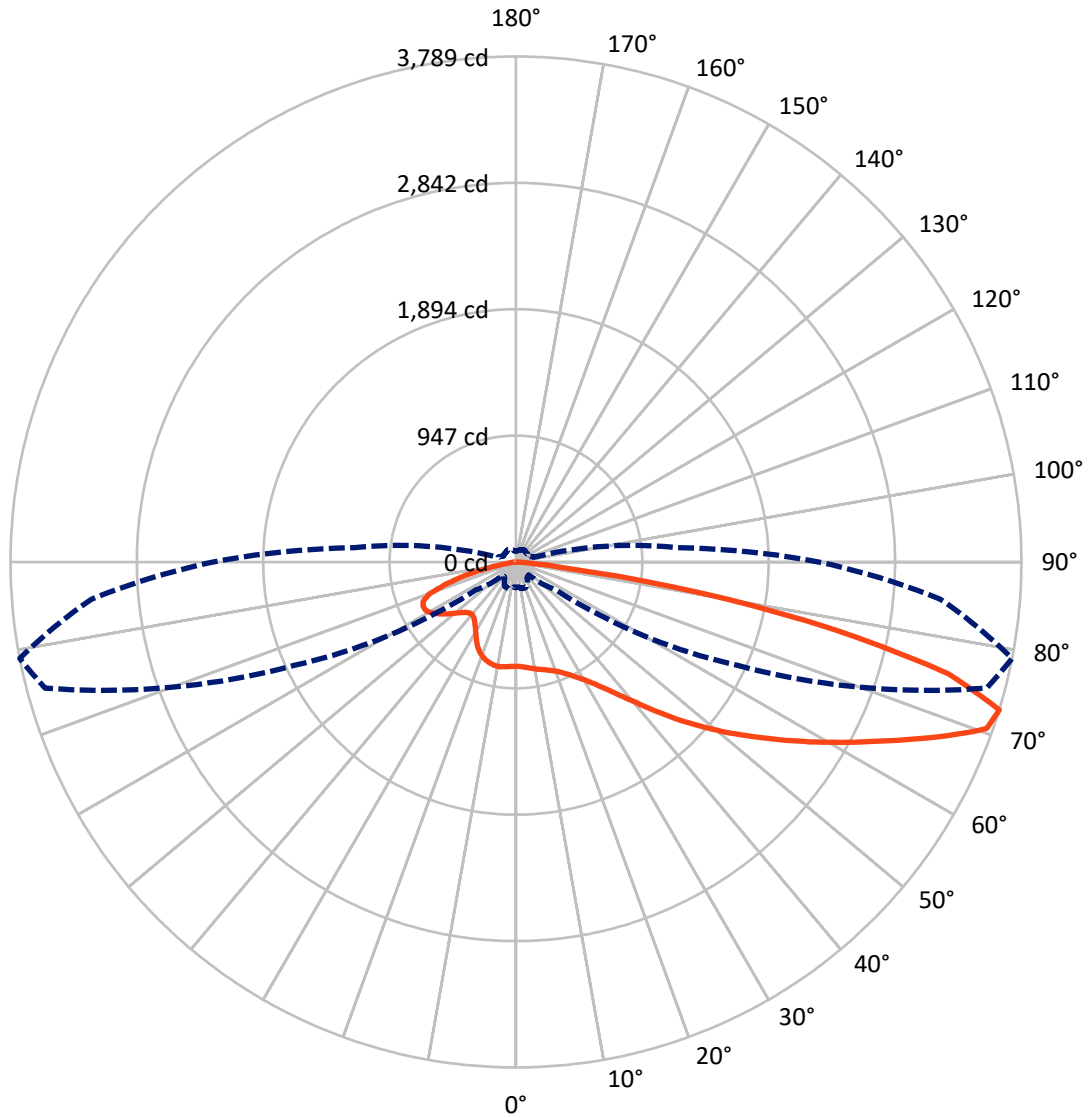
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	857.1	0.0	857.1
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	3037.9	0.0	3037.9
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	3895.0	0.0	3895.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.0	1.8
10°-20°	185.6	4.8
20°-30°	299.4	7.7
30°-40°	449.4	11.5
40°-50°	637.5	16.4
50°-60°	805.0	20.7
60°-70°	817.6	21.0
70°-80°	557.2	14.3
80°-90°	72.3	1.9
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°	3895.0	100.0
0°-180°	3895.0	100.0



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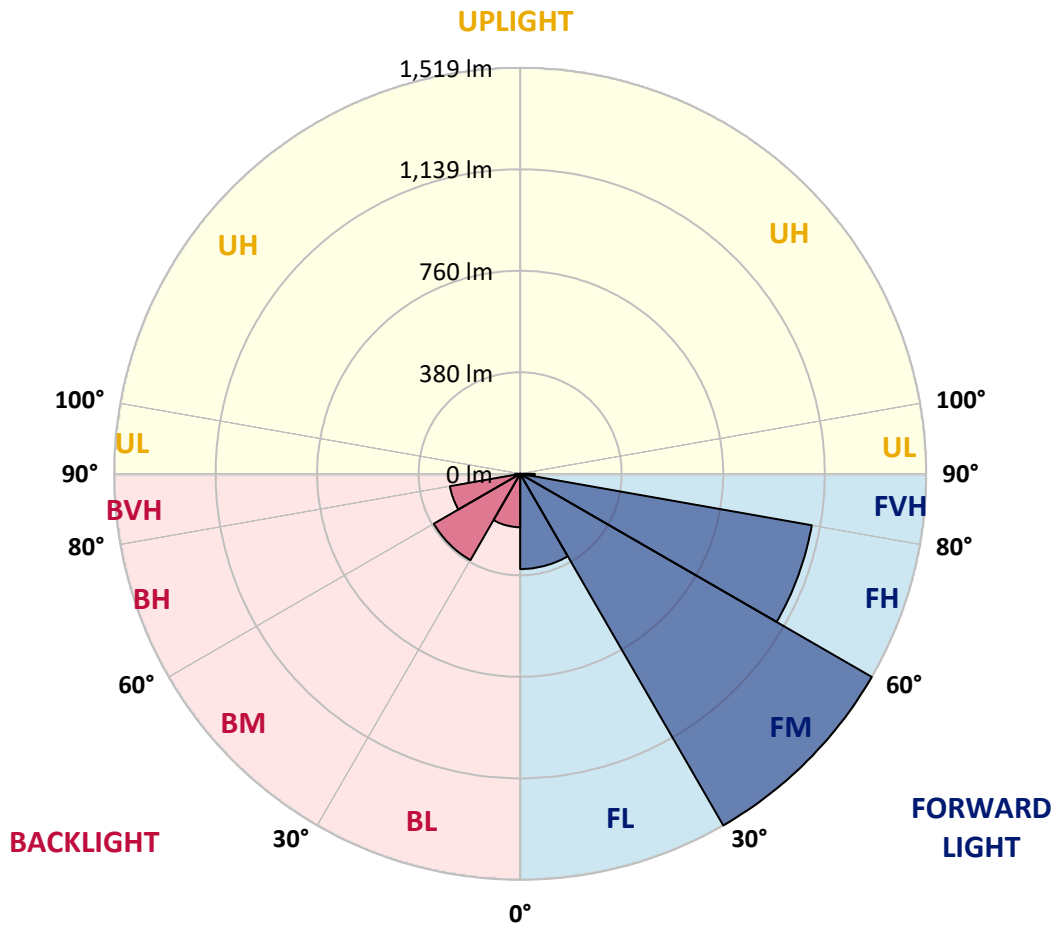
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	356.3	9.1			
FM (30°-60°)	1519.1	39.0			
FH (60°-80°)	1108.0	28.4			G1/1800
FVH (80°-90°)	54.5	1.4			G1/100
BL (0°-30°)	199.6	5.1	B1/500		
BM (30°-60°)	372.8	9.6	B1/1000		
BH (60°-80°)	266.9	6.9	B1/500		G1/500
BVH (80°-90°)	17.8	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	781.9	781.9	781.9	781.9	781.9	781.9	781.9	781.9	781.9	781.9
2.5°	782.3	778.6	780.9	780.0	781.1	782.3	782.7	783.3	785.4	785.2
5°	780.6	776.9	780.0	779.0	781.7	784.6	787.0	789.3	792.6	794.0
7.5°	777.1	774.7	777.8	780.9	785.8	790.1	793.6	798.8	803.5	804.3
10°	756.7	754.9	762.1	770.1	783.7	795.5	803.1	809.1	814.2	815.1
12.5°	735.5	733.3	741.3	752.2	774.3	795.5	811.6	819.4	823.9	826.6
15°	732.0	730.2	734.7	744.2	762.5	789.9	817.3	831.7	835.7	838.7
17.5°	748.9	745.4	747.3	750.6	761.3	784.8	821.9	845.8	851.7	855.0
20°	788.1	783.1	780.2	773.6	771.8	785.6	821.4	862.6	870.5	874.6
22.5°	840.2	836.9	830.7	814.0	795.9	795.7	829.3	884.3	898.9	902.8
25°	903.2	898.3	890.5	867.8	833.0	815.7	842.5	911.9	936.4	937.4
27.5°	975.8	968.3	957.6	927.8	880.8	847.0	862.6	943.6	979.5	979.1
30°	1052.2	1044.8	1033.4	997.2	938.1	889.2	890.7	977.8	1030.6	1028.3
32.5°	1108.0	1102.5	1100.2	1072.2	1004.0	939.1	922.8	1015.7	1093.6	1091.5
35°	1150.9	1143.7	1146.4	1132.1	1075.9	994.9	962.2	1060.8	1170.3	1170.0
37.5°	1193.3	1186.9	1189.2	1179.7	1142.4	1065.8	1010.2	1116.1	1265.2	1269.8
40°	1232.1	1225.3	1234.3	1225.5	1194.2	1141.2	1064.8	1178.5	1375.3	1383.9
42.5°	1255.3	1250.0	1265.0	1265.2	1239.1	1204.9	1124.7	1247.3	1502.6	1521.9
45°	1263.4	1261.5	1284.2	1288.9	1278.8	1241.7	1178.7	1322.3	1639.8	1674.4
47.5°	1254.7	1251.2	1282.5	1300.0	1308.1	1259.0	1223.4	1403.5	1779.9	1830.6
50°	1211.0	1204.2	1250.8	1287.7	1316.3	1270.4	1268.5	1497.2	1939.2	1994.6
52.5°	1132.5	1127.4	1180.3	1244.4	1298.2	1275.9	1319.2	1599.6	2090.4	2162.1
55°	1032.2	1025.4	1083.7	1167.4	1253.1	1274.1	1369.9	1714.2	2268.8	2341.5
57.5°	873.2	859.6	933.3	1032.2	1179.5	1271.8	1422.6	1828.1	2450.1	2537.3
60°	641.2	621.0	711.4	828.7	1035.7	1249.8	1487.9	1955.8	2667.7	2746.2
62.5°	373.3	361.6	420.7	530.1	780.6	1120.0	1524.6	2104.4	2881.5	2963.9
65°	289.9	286.6	291.7	300.2	434.5	838.5	1411.5	2249.2	3153.5	3211.2
67.5°	265.2	262.7	265.0	249.1	220.5	467.1	1116.7	2285.9	3444.8	3479.8
70°	235.7	232.8	240.2	226.6	173.5	212.4	721.5	2152.8	3676.6	3742.3
72.5°	192.0	188.7	206.0	199.8	146.1	136.4	362.4	1836.6	3652.3	3788.7
75°	147.5	145.7	166.3	171.4	119.1	107.3	173.9	1365.2	3214.1	3351.5
77.5°	114.6	113.1	123.6	142.4	96.0	83.2	106.9	865.9	2422.1	2446.2
80°	85.9	81.8	91.5	110.2	74.8	60.8	72.5	505.0	1531.0	1387.8
82.5°	53.8	51.7	59.7	73.6	52.7	41.8	47.2	279.0	613.6	361.4
85°	30.7	29.9	32.6	42.0	28.6	24.1	27.0	123.2	112.1	77.1
87.5°	12.4	11.9	14.8	18.7	10.5	8.9	9.5	29.7	24.7	22.9
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°
781.9	0°	781.9	781.9	781.9	781.9	781.9	781.9	781.9	781.9	781.9	781.9
785.0	2.5°	784.2	784.2	781.3	776.7	771.6	768.3	762.9	761.5	755.9	754.3
792.0	5°	793.6	792.0	783.1	770.3	752.8	736.8	719.0	707.9	692.3	686.7
805.8	7.5°	805.6	801.0	785.8	757.8	721.1	685.1	647.6	619.1	591.9	582.2
817.1	10°	816.5	810.1	784.2	735.1	671.7	609.2	549.5	507.7	475.9	462.9
829.7	12.5°	827.4	815.7	773.2	697.4	601.4	516.7	453.1	420.5	400.9	385.3
840.0	15°	837.7	821.2	756.3	646.9	524.3	438.4	391.5	365.5	349.8	339.5
855.0	17.5°	849.7	826.0	731.0	582.9	451.0	384.2	345.9	330.3	327.2	325.9
875.6	20°	866.4	830.3	697.6	511.2	397.0	341.0	321.2	319.8	319.6	318.9
900.4	22.5°	884.3	835.5	653.5	446.1	351.1	314.0	310.5	307.6	305.7	305.5
930.2	25°	905.5	837.1	598.3	392.7	311.9	301.2	297.1	292.8	291.5	291.5
964.2	27.5°	926.1	831.5	534.0	346.3	289.9	289.5	284.1	282.7	282.5	283.1
1003.0	30°	946.7	821.0	470.2	303.5	277.1	277.1	275.3	276.3	277.1	279.2
1056.1	32.5°	974.5	809.9	416.8	271.8	266.0	263.9	265.8	267.8	268.7	271.3
1126.0	35°	1015.3	802.1	374.4	254.4	254.4	251.8	252.8	252.4	250.5	249.3
1210.4	37.5°	1069.3	801.7	339.3	246.4	244.8	244.4	244.6	241.9	234.7	226.0
1312.6	40°	1134.2	812.8	312.3	240.8	239.6	242.1	240.8	233.6	213.9	198.8
1438.3	42.5°	1221.3	844.5	295.0	234.1	237.8	240.8	235.9	211.0	197.6	187.5
1581.5	45°	1323.9	896.0	286.2	226.8	234.3	238.0	214.1	203.1	192.4	180.3
1737.7	47.5°	1440.2	960.9	284.1	220.0	226.4	228.7	204.8	199.8	187.7	174.5
1894.7	50°	1566.7	1037.8	289.7	212.0	215.1	207.3	201.7	197.2	184.6	171.6
2055.6	52.5°	1697.5	1122.5	300.8	201.1	203.8	195.1	200.5	196.6	182.7	165.2
2221.8	55°	1826.0	1207.7	311.5	188.3	192.2	184.2	197.0	194.1	174.3	154.5
2399.2	57.5°	1956.7	1292.6	322.0	177.0	181.1	173.7	191.4	187.5	164.8	144.6
2592.9	60°	2092.4	1375.0	327.0	166.1	168.9	164.0	183.0	176.2	154.1	134.5
2783.3	62.5°	2219.6	1443.7	318.9	155.1	157.0	154.9	171.8	162.8	143.4	123.2
2981.7	65°	2347.1	1484.4	294.2	144.4	144.8	143.8	156.2	148.3	130.8	113.3
3155.4	67.5°	2462.7	1507.3	254.9	132.9	131.9	131.4	141.5	132.7	118.7	103.4
3287.4	70°	2487.2	1449.2	194.7	119.3	119.3	118.3	125.5	116.4	105.3	92.9
3192.8	72.5°	2271.7	1219.1	138.2	103.8	105.5	103.4	109.4	101.8	91.7	83.4
2751.7	75°	1831.8	894.0	100.5	88.0	90.9	87.4	92.9	87.6	78.9	78.7
1896.3	77.5°	1258.6	552.8	72.9	72.5	74.6	70.1	76.4	73.6	65.7	62.2
825.4	80°	537.1	220.5	53.2	56.0	56.0	51.9	59.3	60.2	53.4	51.7
159.3	82.5°	106.9	62.6	37.3	38.5	36.3	35.0	42.0	46.6	64.3	71.5
48.0	85°	32.1	23.1	22.5	21.0	18.5	18.7	24.7	46.8	57.7	33.0
15.9	87.5°	8.9	5.8	6.0	4.7	3.9	5.2	8.4	35.4	19.4	8.2
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>
781.9
757.0
690.8
583.5
465.8
390.4
341.4
326.8
321.0
307.8
292.8
284.7
280.6
273.6
252.2
226.2
198.4
187.1
179.5
173.5
170.2
164.0
153.5
144.2
133.9
123.0
112.1
102.2
92.5
<i>81.0</i>
70.9
58.3
51.7
71.7
28.4
7.0
0.0

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