

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: P938847

Luminaire Tested: **GALN-SB1A-930-U-T3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P938847  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB1A-930-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3124 lumens  
Efficiency: N/A  
Efficacy: 101.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1

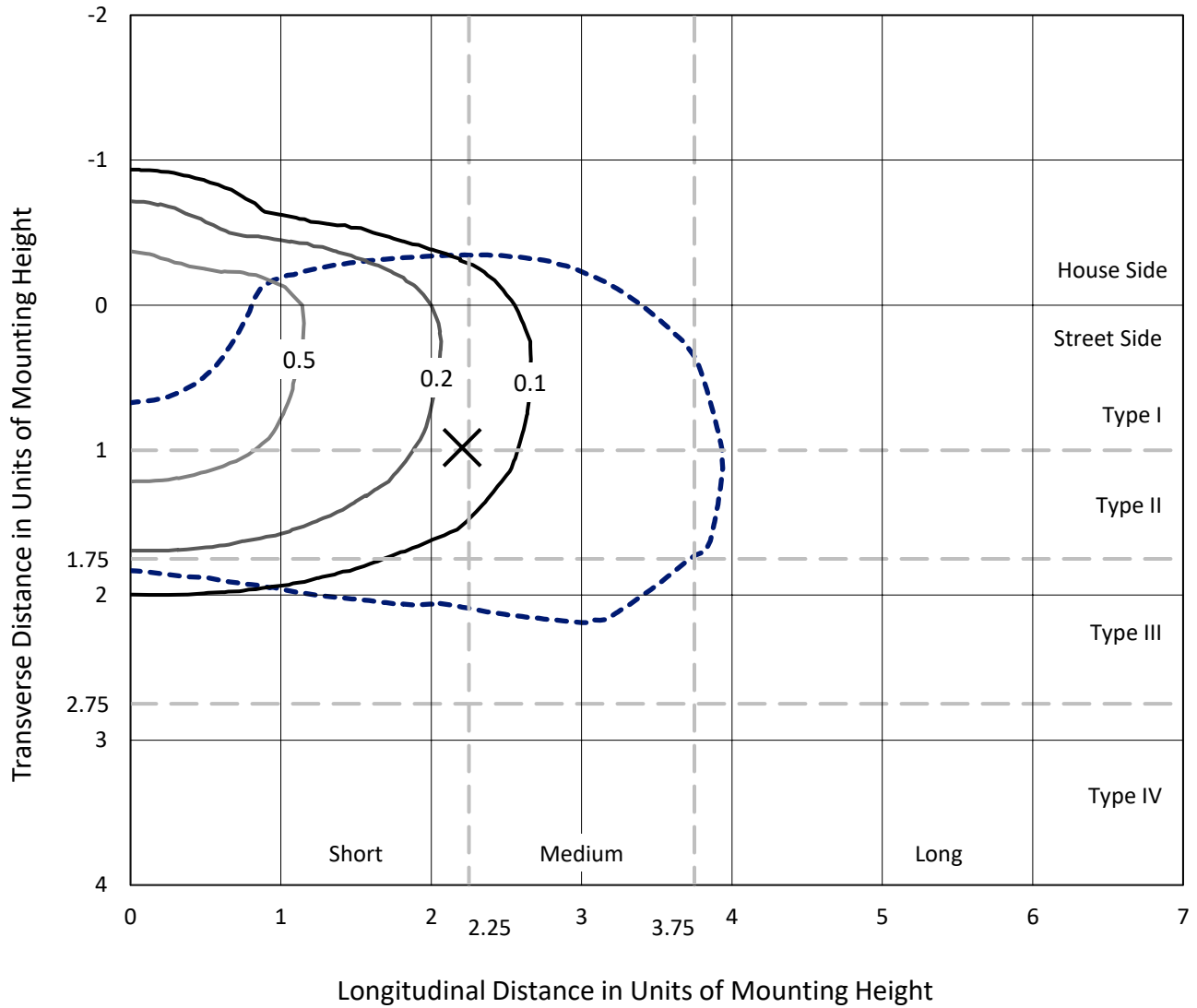
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

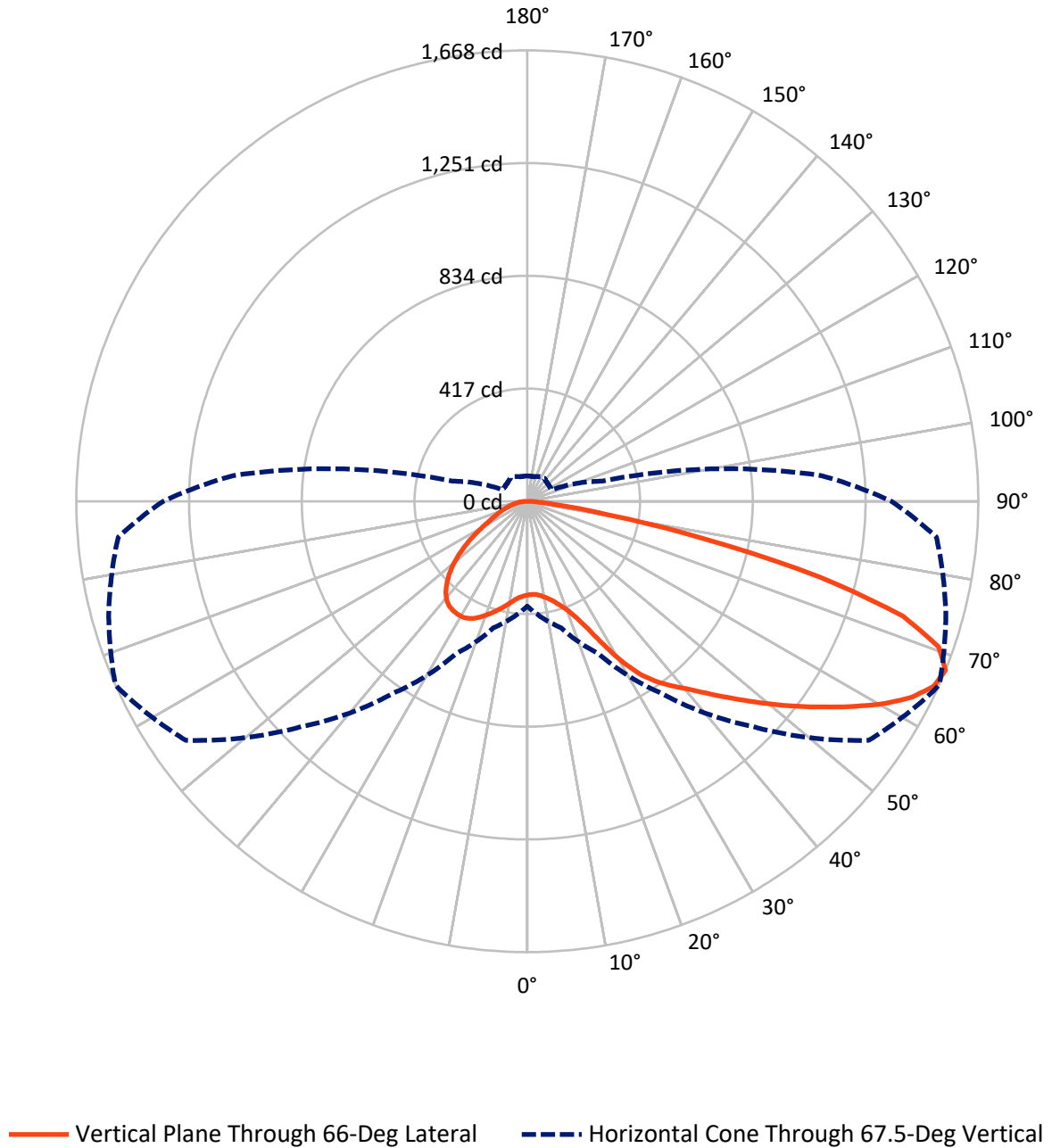
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



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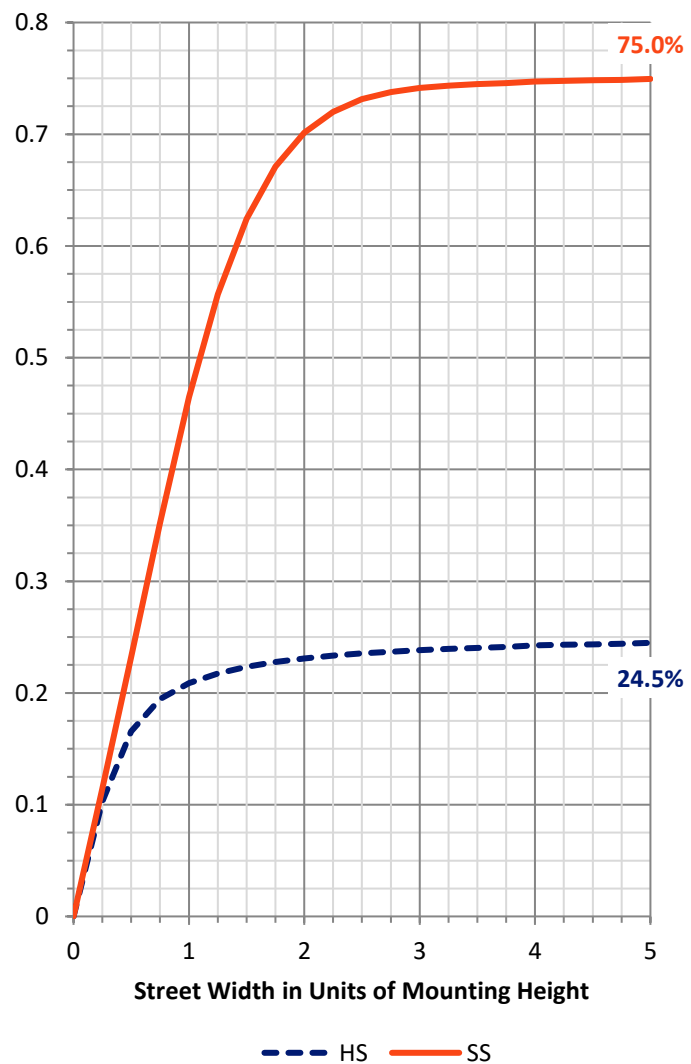
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	776.8	0.0	776.8
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	2347.2	0.0	2347.2
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	3124.0	0.0	3124.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	34.4	1.1
10°-20°	113.5	3.6
20°-30°	218.8	7.0
30°-40°	383.6	12.3
40°-50°	570.2	18.3
50°-60°	722.8	23.1
60°-70°	707.3	22.6
70°-80°	337.4	10.8
80°-90°	36.1	1.2
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°	3124.0	100.0
0°-180°	3124.0	100.0

**Coefficient of Utilization**



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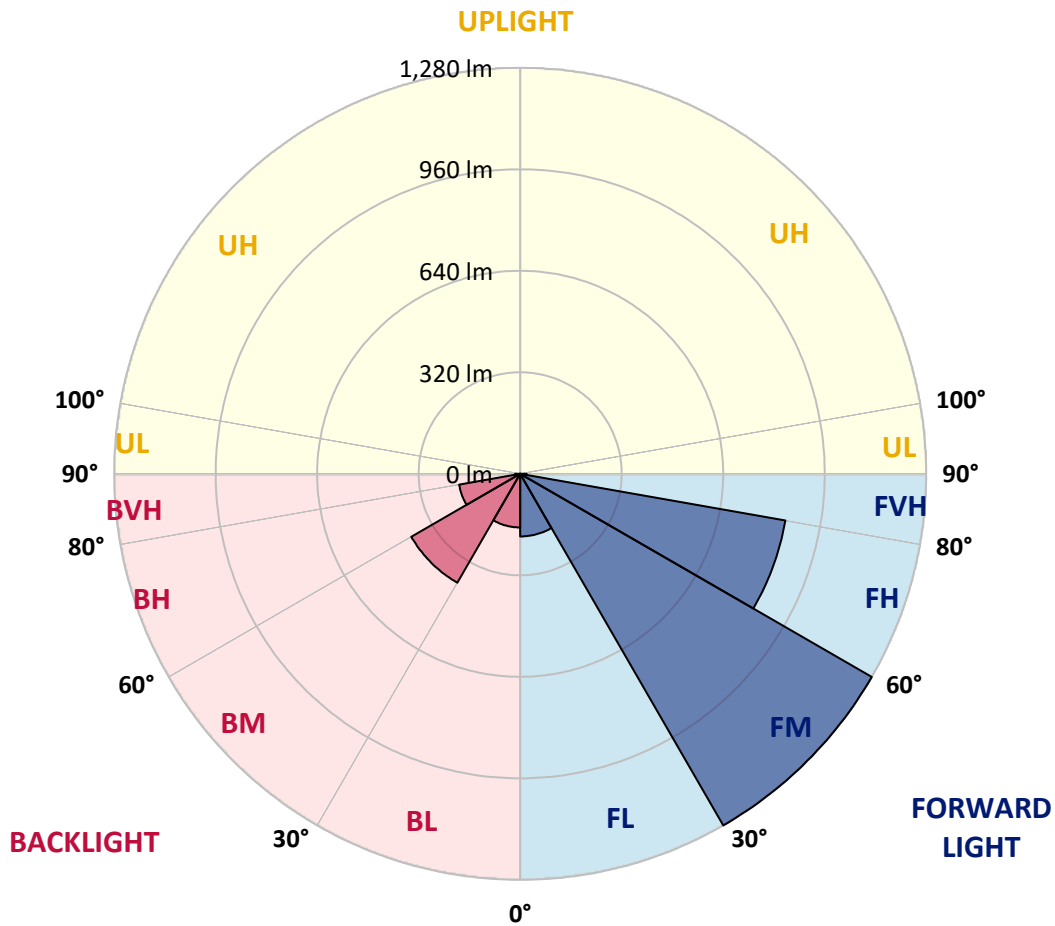
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	197.4	6.3			
FM (30°-60°)	1280.2	41.0			
FH (60°-80°)	849.2	27.2			G1/1800
FVH (80°-90°)	20.4	0.7			G1/100
BL (0°-30°)	169.2	5.4	B1/500		
BM (30°-60°)	396.5	12.7	B1/1000		
BH (60°-80°)	195.5	6.3	B1/500		G1/500
BVH (80°-90°)	15.6	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 III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	346.5	346.5	346.5	346.5	346.5	346.5	346.5	346.5	346.5	346.5
2.5°	342.9	344.9	344.4	343.5	343.4	343.7	344.2	344.7	344.5	345.3
5°	341.9	343.9	343.7	343.7	344.4	345.7	346.5	347.3	346.5	347.5
7.5°	342.6	344.0	344.7	345.3	347.0	349.4	351.4	353.2	352.2	353.4
10°	350.9	352.1	352.7	352.7	353.9	356.7	358.6	361.9	361.1	362.9
12.5°	366.2	367.3	367.3	366.7	367.5	369.3	370.0	373.6	372.1	375.1
15°	384.9	387.2	385.4	384.2	384.6	386.4	386.2	389.0	387.5	390.0
17.5°	405.6	408.5	405.6	405.4	404.8	406.7	406.9	409.4	406.7	408.5
20°	430.0	434.1	431.7	432.5	431.0	431.8	432.7	436.3	432.2	433.5
22.5°	464.5	469.4	466.8	469.9	468.9	468.3	468.1	474.5	468.1	468.6
25°	514.7	520.6	516.0	520.3	520.3	522.4	524.9	533.1	522.4	519.3
27.5°	588.9	594.8	585.8	588.4	587.6	592.9	590.2	610.6	599.1	594.0
30°	678.2	688.7	671.6	671.0	670.2	678.5	682.3	695.8	684.1	679.0
32.5°	774.7	785.7	765.4	759.5	756.3	761.4	758.3	769.1	761.1	753.2
35°	876.8	887.7	868.3	856.8	844.3	833.7	822.5	825.3	817.7	805.7
37.5°	973.3	993.2	972.7	960.4	937.4	916.5	885.4	872.4	865.3	854.3
40°	1071.6	1083.0	1067.4	1056.9	1031.9	999.3	949.4	922.0	912.4	901.8
42.5°	1144.0	1154.9	1146.5	1139.3	1119.7	1081.8	1017.3	983.0	969.2	957.2
45°	1201.5	1209.5	1204.3	1206.9	1198.5	1161.8	1087.7	1048.5	1034.2	1019.6
47.5°	1224.6	1233.2	1241.5	1257.1	1271.4	1244.3	1163.4	1119.4	1104.3	1089.4
50°	1222.0	1230.7	1255.0	1288.1	1332.5	1323.4	1243.2	1194.9	1181.0	1163.9
52.5°	1201.0	1210.8	1242.0	1297.2	1367.8	1382.7	1324.4	1272.9	1259.8	1239.4
55°	1145.8	1151.7	1198.5	1276.7	1376.1	1424.1	1404.0	1355.9	1342.8	1314.4
57.5°	1043.6	1052.1	1120.2	1221.3	1355.1	1452.1	1473.9	1443.3	1430.6	1389.7
60°	910.1	923.8	1001.7	1128.4	1301.6	1452.0	1537.5	1529.1	1518.6	1463.9
62.5°	759.1	774.9	849.9	997.1	1208.0	1410.8	1577.2	1601.0	1595.6	1532.4
65°	583.0	593.8	668.5	827.2	1062.5	1322.3	1581.8	1650.1	1651.1	1584.4
67.5°	388.2	419.4	484.2	620.8	867.5	1177.7	1541.4	1658.1	1667.6	1602.3
70°	189.4	230.4	294.0	403.4	620.8	955.9	1435.9	1592.1	1613.3	1550.1
72.5°	78.6	91.9	126.5	199.1	356.3	645.1	1223.8	1413.2	1452.4	1373.5
75°	53.0	57.4	72.4	102.1	162.3	318.1	882.6	1053.8	1117.0	1037.3
77.5°	40.9	43.7	52.7	71.4	96.5	120.3	472.4	635.0	667.7	618.1
80°	32.2	34.3	39.4	52.0	68.4	64.3	161.0	287.7	306.6	257.2
82.5°	27.9	28.7	28.2	35.3	45.5	37.6	52.9	106.2	117.2	85.0
85°	20.2	22.5	23.5	21.8	24.1	19.0	21.7	37.6	41.4	36.9
87.5°	8.2	12.1	14.9	14.1	8.9	5.4	6.7	11.0	12.6	13.8
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°
346.5	0°	346.5	346.5	346.5	346.5	346.5	346.5	346.5	346.5	346.5	346.5
346.7	2.5°	346.8	348.0	348.8	349.8	350.4	351.4	353.4	354.5	354.7	355.5
349.3	5°	349.9	351.6	353.4	356.0	359.0	361.4	365.2	367.8	368.8	369.6
355.7	7.5°	356.7	359.0	362.3	366.8	371.1	374.4	379.0	382.1	385.2	386.4
365.9	10°	366.7	370.0	374.7	381.0	385.6	389.8	394.6	397.2	400.3	401.6
378.0	12.5°	379.2	382.6	388.8	397.5	401.8	404.8	406.4	405.7	406.4	407.6
392.6	15°	393.4	397.2	404.3	413.6	416.6	414.0	410.3	407.1	406.6	406.9
410.3	17.5°	410.3	413.1	421.3	429.2	427.1	416.3	408.4	403.1	400.5	399.7
433.0	20°	434.0	434.0	440.7	445.6	431.4	413.0	400.7	392.1	386.7	384.4
463.9	22.5°	462.7	460.1	464.3	460.9	430.5	403.8	386.7	371.9	363.7	360.4
507.0	25°	499.1	496.0	494.9	473.5	424.6	389.2	361.4	343.5	336.3	334.5
569.2	27.5°	554.1	546.2	531.3	480.4	413.8	366.2	331.9	315.3	311.2	311.4
649.2	30°	627.3	611.6	575.0	481.6	396.1	333.7	301.7	289.9	287.9	288.7
716.3	32.5°	695.1	680.2	619.6	476.3	368.8	301.8	274.6	266.7	263.8	264.8
767.5	35°	748.3	744.2	661.0	468.9	335.3	272.0	250.3	243.6	237.8	236.5
815.8	37.5°	798.5	796.9	692.0	458.6	302.2	250.8	230.8	221.9	213.5	208.9
869.1	40°	853.7	852.0	712.4	442.7	272.8	232.4	213.2	201.6	191.2	182.8
929.5	42.5°	915.7	906.0	722.0	419.9	247.8	216.8	198.9	183.2	169.6	161.8
997.8	45°	983.5	961.7	721.9	390.8	226.8	202.5	183.7	161.3	148.7	141.5
1067.9	47.5°	1055.4	1014.9	713.0	358.6	206.5	186.8	160.0	143.0	134.6	130.2
1144.0	50°	1129.6	1064.6	697.9	321.7	185.6	168.9	145.3	133.6	127.2	123.1
1219.5	52.5°	1199.3	1109.7	679.7	279.9	164.5	151.5	138.7	129.7	122.9	118.3
1292.7	55°	1264.2	1148.6	653.9	237.0	147.2	139.8	135.6	128.0	120.3	114.9
1367.1	57.5°	1321.8	1173.9	609.4	196.8	134.9	131.8	132.3	125.2	116.4	111.8
1440.3	60°	1369.7	1192.5	543.6	159.5	124.9	123.9	127.2	120.0	109.6	104.4
1502.2	62.5°	1398.4	1192.1	462.9	130.7	116.4	116.7	120.5	113.4	102.9	98.0
1534.5	65°	1396.0	1162.9	374.2	111.8	108.2	108.5	113.4	106.2	97.3	94.4
1518.3	67.5°	1346.6	1091.7	287.1	99.5	99.1	100.6	106.4	101.3	93.9	93.6
1421.4	70°	1212.8	943.8	206.8	89.6	89.8	91.9	99.5	98.2	92.1	92.7
1195.1	72.5°	972.5	719.6	138.9	79.3	79.4	82.9	92.9	95.7	90.3	99.0
847.9	75°	647.7	448.8	89.3	68.3	68.4	72.9	87.2	90.9	85.4	98.6
441.2	77.5°	311.2	201.7	64.7	57.4	57.4	61.6	75.3	81.4	72.7	76.7
141.8	80°	107.5	75.8	50.9	46.3	45.3	48.1	63.5	70.6	62.7	57.8
46.3	82.5°	42.3	39.4	40.9	35.9	32.7	34.5	49.4	58.3	46.1	41.7
26.1	85°	24.3	25.6	28.9	23.8	18.9	21.2	36.3	41.9	34.8	30.7
8.5	87.5°	6.6	9.0	13.3	12.3	8.5	9.0	17.2	23.1	20.0	15.4
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

<u>180°</u>
346.5
355.4
369.5
386.5
402.3
407.9
408.0
400.8
383.9
360.0
334.8
311.9
291.5
266.1
237.5
209.1
183.7
162.3
141.2
129.2
121.6
116.4
112.8
108.8
102.1
96.5
94.2
94.1
92.6
100.3
99.5
70.3
54.2
41.5
31.4
15.9
0.0

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