

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: STREETWORKS

Report Number: P845828

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

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845828
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-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: 3029 lumens
Efficiency: N/A
Efficacy: 98.0 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

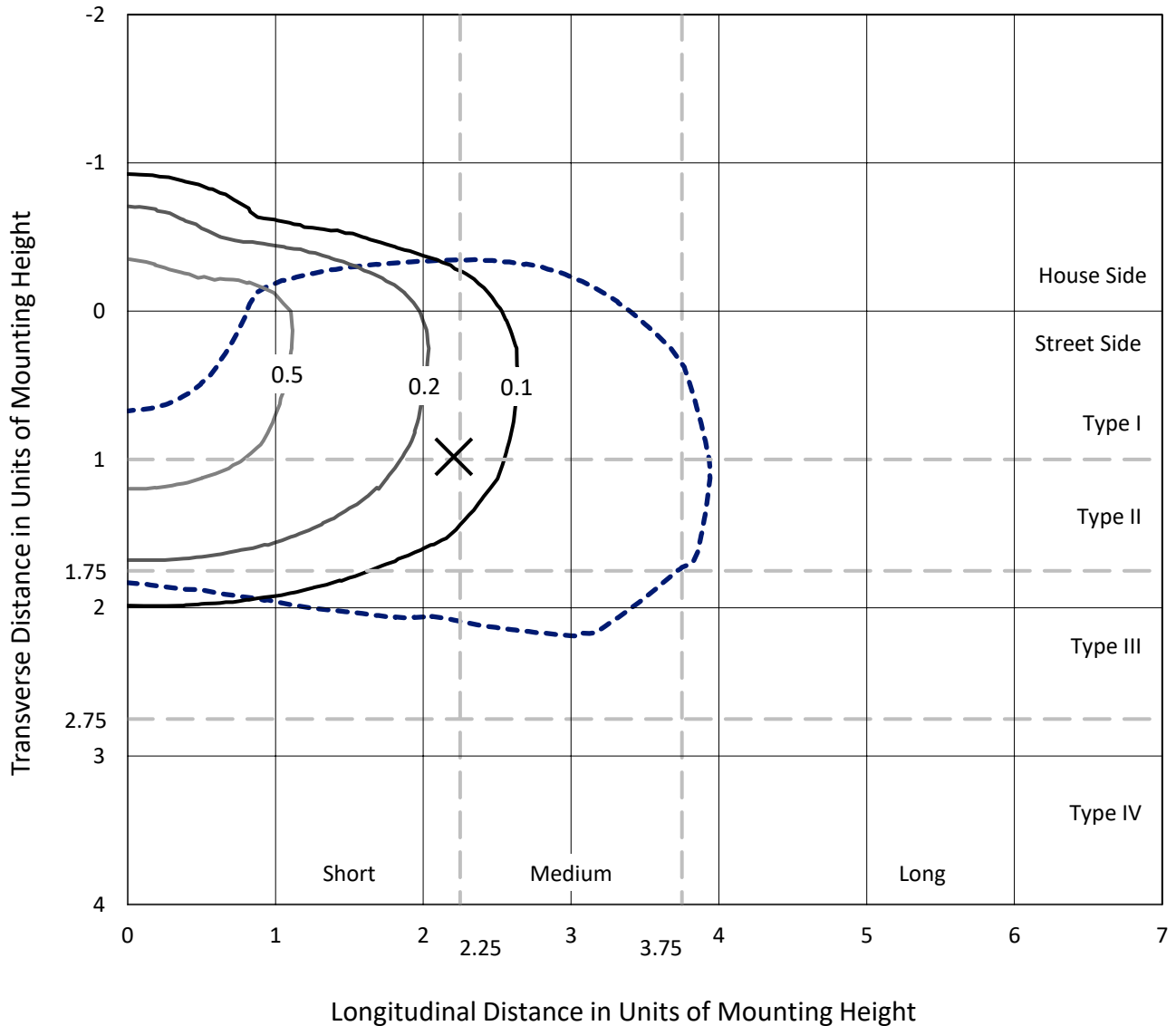
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P845828
 CATALOG NUMBER: GLAN-SB1A-930-U-T3

Iso-Footcandle Lines of Horizontal Illumination

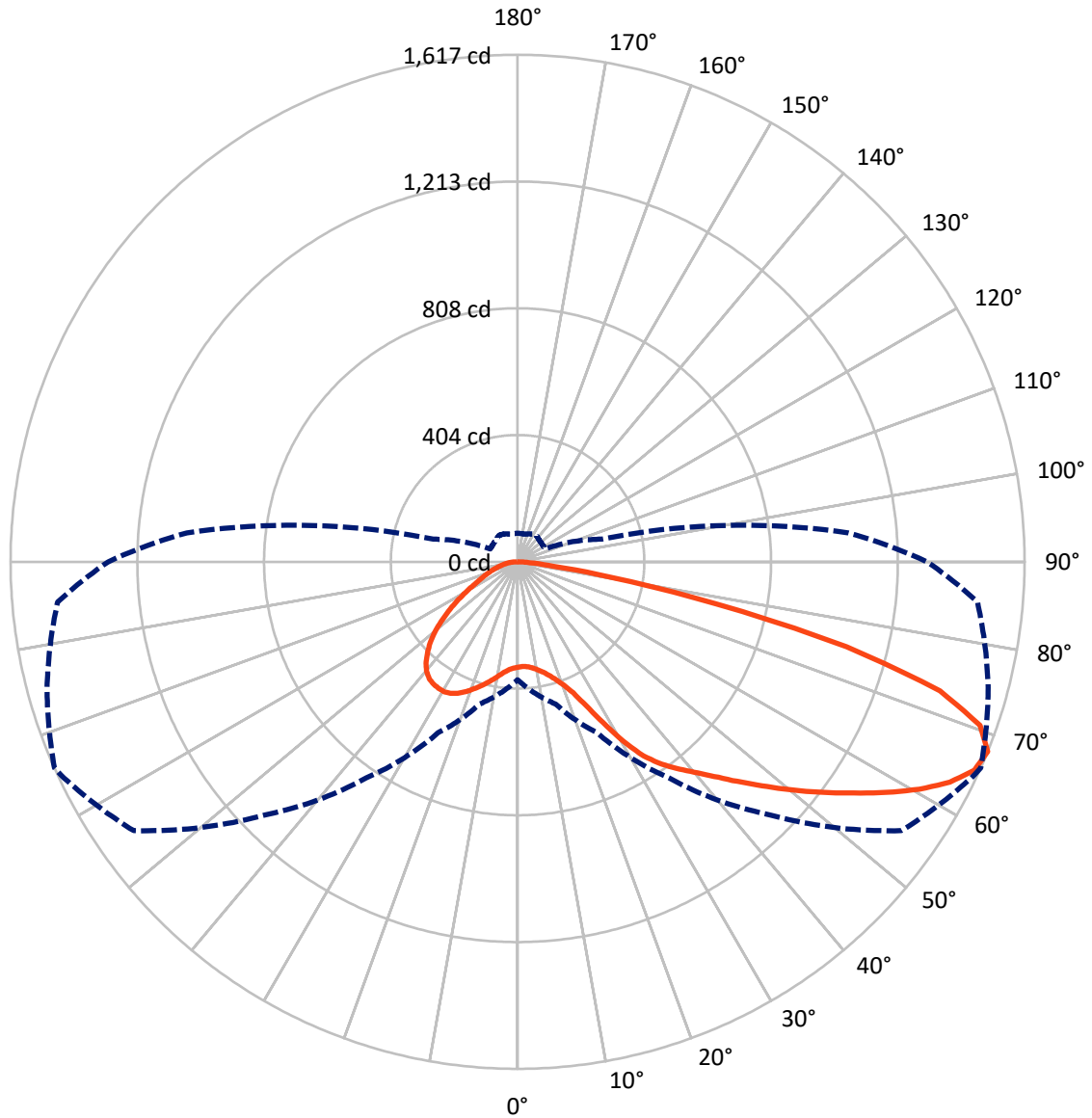
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P845828
CATALOG NUMBER: GLAN-SB1A-930-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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 CATALOG NUMBER: GLAN-SB1A-930-U-T3

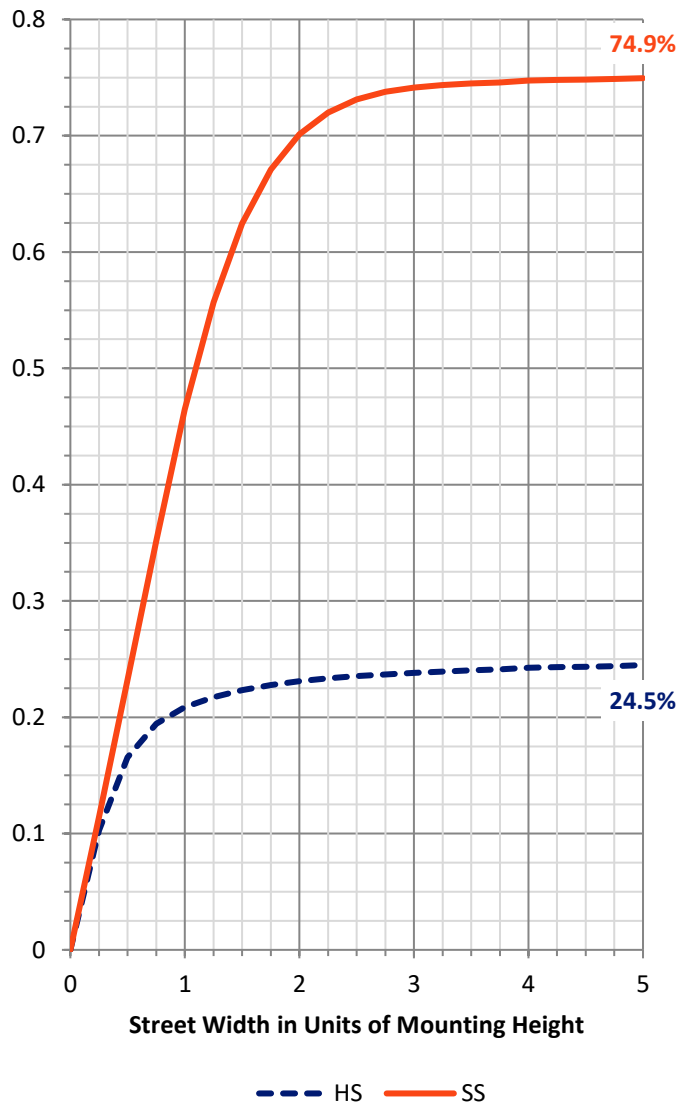
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	753.2	0.0	753.2
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	2275.8	0.0	2275.8
	% Fixture	75.1	0.0	75.1
Total	Lumens	3029.0	0.0	3029.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.3	1.1
10°-20°	110.0	3.6
20°-30°	212.1	7.0
30°-40°	371.9	12.3
40°-50°	552.9	18.3
50°-60°	700.9	23.1
60°-70°	685.8	22.6
70°-80°	327.1	10.8
80°-90°	35.0	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°	3029.0	100.0
0°-180°	3029.0	100.0

Coefficient of Utilization



REPORT NUMBER: P845828

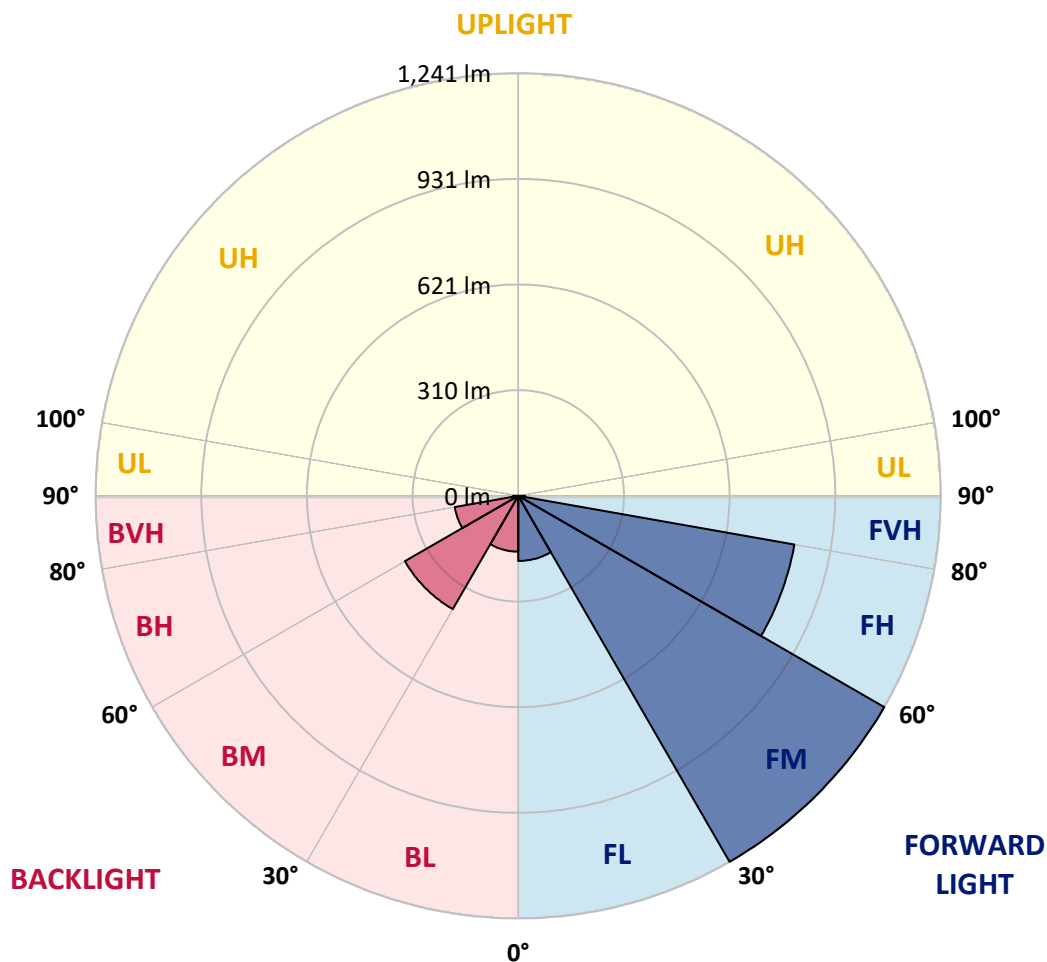
CATALOG NUMBER: GLAN-SB1A-930-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	191.4	6.3			
FM (30°-60°)	1241.3	41.0			
FH (60°-80°)	823.4	27.2			G1/1800
FVH (80°-90°)	19.8	0.7			G1/100
BL (0°-30°)	164.1	5.4	B1/500		
BM (30°-60°)	384.4	12.7	B1/1000		
BH (60°-80°)	189.5	6.3	B1/500		G1/500
BVH (80°-90°)	15.1	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



REPORT NUMBER: P845828
 CATALOG NUMBER: GLAN-SB1A-930-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	336.0	336.0	336.0	336.0	336.0	336.0	336.0	336.0	336.0	336.0
2.5°	332.5	334.4	333.9	333.1	332.9	333.3	333.7	334.2	334.0	334.8
5°	331.5	333.4	333.3	333.3	333.9	335.2	336.0	336.8	336.0	336.9
7.5°	332.1	333.6	334.2	334.8	336.4	338.8	340.7	342.5	341.5	342.6
10°	340.3	341.4	342.0	342.0	343.1	345.8	347.7	350.9	350.1	351.9
12.5°	355.1	356.2	356.2	355.5	356.3	358.1	358.7	362.2	360.8	363.6
15°	373.2	375.4	373.7	372.6	372.9	374.6	374.5	377.2	375.7	378.1
17.5°	393.2	396.1	393.2	393.1	392.5	394.4	394.5	396.9	394.4	396.1
20°	417.0	420.9	418.6	419.3	417.9	418.7	419.5	423.0	419.0	420.3
22.5°	450.4	455.2	452.6	455.6	454.7	454.0	453.9	460.1	453.9	454.4
25°	499.1	504.8	500.4	504.5	504.5	506.6	508.9	516.9	506.6	503.5
27.5°	571.0	576.7	568.0	570.5	569.7	574.8	572.3	592.0	580.9	575.9
30°	657.6	667.8	651.2	650.6	649.8	657.9	661.6	674.6	663.3	658.4
32.5°	751.2	761.8	742.1	736.4	733.3	738.3	735.3	745.8	738.0	730.3
35°	850.2	860.7	841.9	830.7	818.6	808.3	797.5	800.2	792.9	781.2
37.5°	943.7	963.0	943.1	931.2	908.9	888.7	858.4	845.9	839.0	828.4
40°	1039.1	1050.0	1034.9	1024.7	1000.5	968.9	920.5	893.9	884.7	874.3
42.5°	1109.2	1119.7	1111.6	1104.6	1085.7	1048.9	986.4	953.1	939.8	928.1
45°	1164.9	1172.7	1167.7	1170.2	1162.1	1126.4	1054.7	1016.6	1002.8	988.6
47.5°	1187.4	1195.7	1203.8	1218.9	1232.7	1206.5	1128.0	1085.4	1070.7	1056.2
50°	1184.8	1193.3	1216.8	1249.0	1291.9	1283.2	1205.4	1158.6	1145.1	1128.5
52.5°	1164.5	1174.0	1204.3	1257.7	1326.2	1340.6	1284.1	1234.2	1221.4	1201.7
55°	1111.0	1116.7	1162.1	1237.8	1334.3	1380.7	1361.3	1314.7	1302.0	1274.4
57.5°	1011.8	1020.1	1086.2	1184.2	1313.9	1408.0	1429.1	1399.4	1387.1	1347.5
60°	882.5	895.7	971.3	1094.1	1262.0	1407.8	1490.7	1482.6	1472.4	1419.4
62.5°	736.0	751.3	824.1	966.8	1171.3	1367.9	1529.2	1552.3	1547.1	1485.8
65°	565.3	575.8	648.2	802.1	1030.1	1282.1	1533.7	1599.9	1600.8	1536.2
67.5°	376.4	406.6	469.5	601.9	841.1	1141.9	1494.5	1607.7	1616.9	1553.6
70°	183.7	223.4	285.0	391.2	601.9	926.9	1392.2	1543.7	1564.2	1503.0
72.5°	76.2	89.1	122.7	193.0	345.5	625.4	1186.6	1370.2	1408.3	1331.7
75°	51.4	55.7	70.2	99.0	157.4	308.4	855.7	1021.7	1083.0	1005.8
77.5°	39.6	42.3	51.1	69.2	93.6	116.7	458.0	615.7	647.4	599.3
80°	31.2	33.3	38.2	50.4	66.4	62.4	156.1	279.0	297.3	249.4
82.5°	27.1	27.9	27.4	34.2	44.1	36.4	51.2	103.0	113.6	82.4
85°	19.6	21.8	22.8	21.2	23.4	18.5	21.0	36.4	40.1	35.8
87.5°	8.0	11.8	14.5	13.7	8.6	5.3	6.5	10.7	12.3	13.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P845828
 CATALOG NUMBER: GLAN-SB1A-930-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
336.0	0°	336.0	336.0	336.0	336.0	336.0	336.0	336.0	336.0	336.0	336.0
336.1	2.5°	336.3	337.4	338.2	339.1	339.8	340.7	342.6	343.8	343.9	344.7
338.7	5°	339.3	340.9	342.6	345.2	348.1	350.4	354.1	356.6	357.6	358.4
344.9	7.5°	345.8	348.1	351.2	355.7	359.8	363.0	367.5	370.5	373.5	374.6
354.7	10°	355.5	358.7	363.3	369.4	373.8	378.0	382.6	385.1	388.2	389.4
366.5	12.5°	367.6	371.0	377.0	385.5	389.6	392.5	394.0	393.4	394.0	395.2
380.7	15°	381.5	385.1	392.0	401.0	403.9	401.4	397.9	394.7	394.2	394.5
397.9	17.5°	397.9	400.6	408.5	416.2	414.1	403.6	396.0	390.9	388.3	387.5
419.8	20°	420.8	420.8	427.3	432.1	418.2	400.4	388.5	380.2	374.9	372.7
449.7	22.5°	448.6	446.1	450.2	446.9	417.4	391.5	374.9	360.6	352.7	349.5
491.6	25°	484.0	480.9	479.8	459.1	411.7	377.3	350.4	333.1	326.1	324.3
551.9	27.5°	537.3	529.6	515.2	465.8	401.2	355.1	321.8	305.7	301.7	301.9
629.4	30°	608.3	593.0	557.5	466.9	384.0	323.5	292.5	281.1	279.1	279.9
694.5	32.5°	674.0	659.5	600.8	461.8	357.6	292.7	266.3	258.6	255.7	256.7
744.2	35°	725.5	721.6	640.9	454.7	325.1	263.7	242.7	236.2	230.6	229.3
791.0	37.5°	774.2	772.7	671.0	444.7	293.0	243.2	223.8	215.2	207.0	202.6
842.7	40°	827.7	826.1	690.7	429.2	264.5	225.4	206.7	195.4	185.4	177.3
901.2	42.5°	887.9	878.5	700.1	407.1	240.3	210.2	192.9	177.6	164.4	156.9
967.4	45°	953.6	932.4	699.9	378.9	219.9	196.4	178.1	156.4	144.2	137.2
1035.4	47.5°	1023.3	984.0	691.3	347.7	200.2	181.1	155.2	138.6	130.5	126.2
1109.2	50°	1095.2	1032.2	676.7	311.9	180.0	163.8	140.8	129.5	123.3	119.4
1182.5	52.5°	1162.9	1076.0	659.0	271.3	159.5	146.9	134.5	125.7	119.2	114.7
1253.4	55°	1225.7	1113.7	634.0	229.8	142.8	135.6	131.5	124.1	116.7	111.4
1325.5	57.5°	1281.6	1138.2	590.9	190.8	130.8	127.8	128.3	121.4	112.8	108.4
1396.5	60°	1328.1	1156.2	527.1	154.7	121.1	120.2	123.3	116.3	106.3	101.2
1456.5	62.5°	1355.9	1155.9	448.8	126.7	112.8	113.2	116.8	110.0	99.8	95.0
1487.9	65°	1353.5	1127.5	362.9	108.4	104.9	105.2	110.0	103.0	94.4	91.5
1472.1	67.5°	1305.6	1058.5	278.3	96.4	96.1	97.6	103.1	98.2	91.0	90.7
1378.2	70°	1175.9	915.1	200.5	86.9	87.1	89.1	96.4	95.2	89.3	89.9
1158.7	72.5°	942.9	697.7	134.6	76.9	77.0	80.4	90.1	92.8	87.5	96.0
822.1	75°	628.0	435.1	86.6	66.2	66.4	70.7	84.5	88.2	82.8	95.6
427.8	77.5°	301.7	195.6	62.7	55.7	55.7	59.7	73.0	78.9	70.5	74.3
137.5	80°	104.2	73.5	49.3	44.9	43.9	46.6	61.6	68.4	60.8	56.0
44.9	82.5°	41.1	38.2	39.6	34.9	31.7	33.4	47.9	56.5	44.7	40.4
25.3	85°	23.6	24.8	28.0	23.1	18.3	20.5	35.2	40.6	33.7	29.8
8.3	87.5°	6.4	8.8	12.9	11.9	8.3	8.8	16.7	22.4	19.4	15.0
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

180°
<hr/>
336.0
344.5
358.2
374.8
390.1
395.5
395.6
388.6
372.2
349.0
324.7
302.4
282.6
258.0
230.3
202.8
178.1
157.4
136.9
125.2
117.9
112.8
109.3
105.5
99.0
93.6
91.3
91.2
89.8
97.2
96.4
68.1
52.5
40.3
30.4
15.4
0.0

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