

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: P845823

Luminaire Tested: **GLAN-SB1A-930-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845823
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1A-930-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3001 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G1

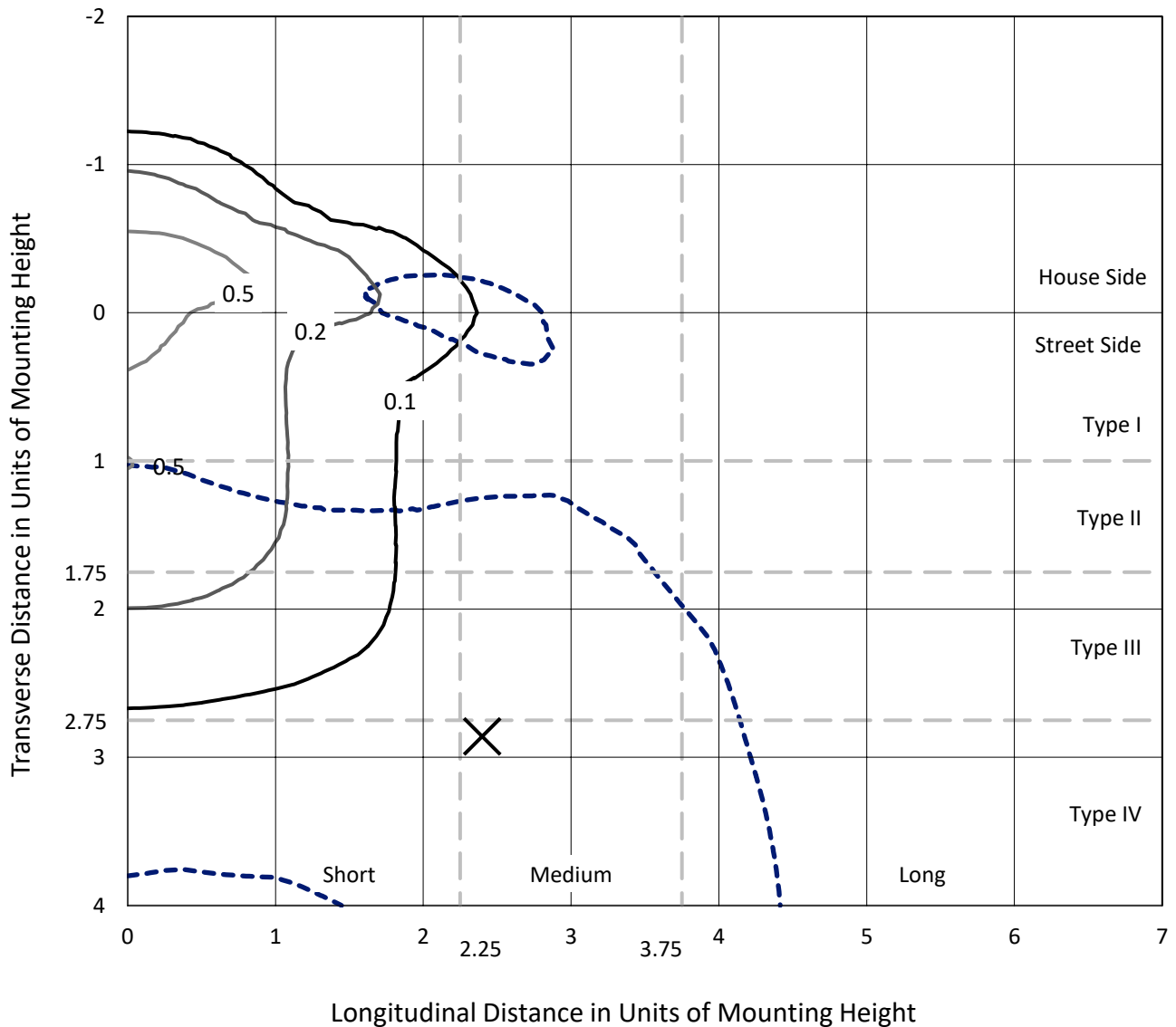
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

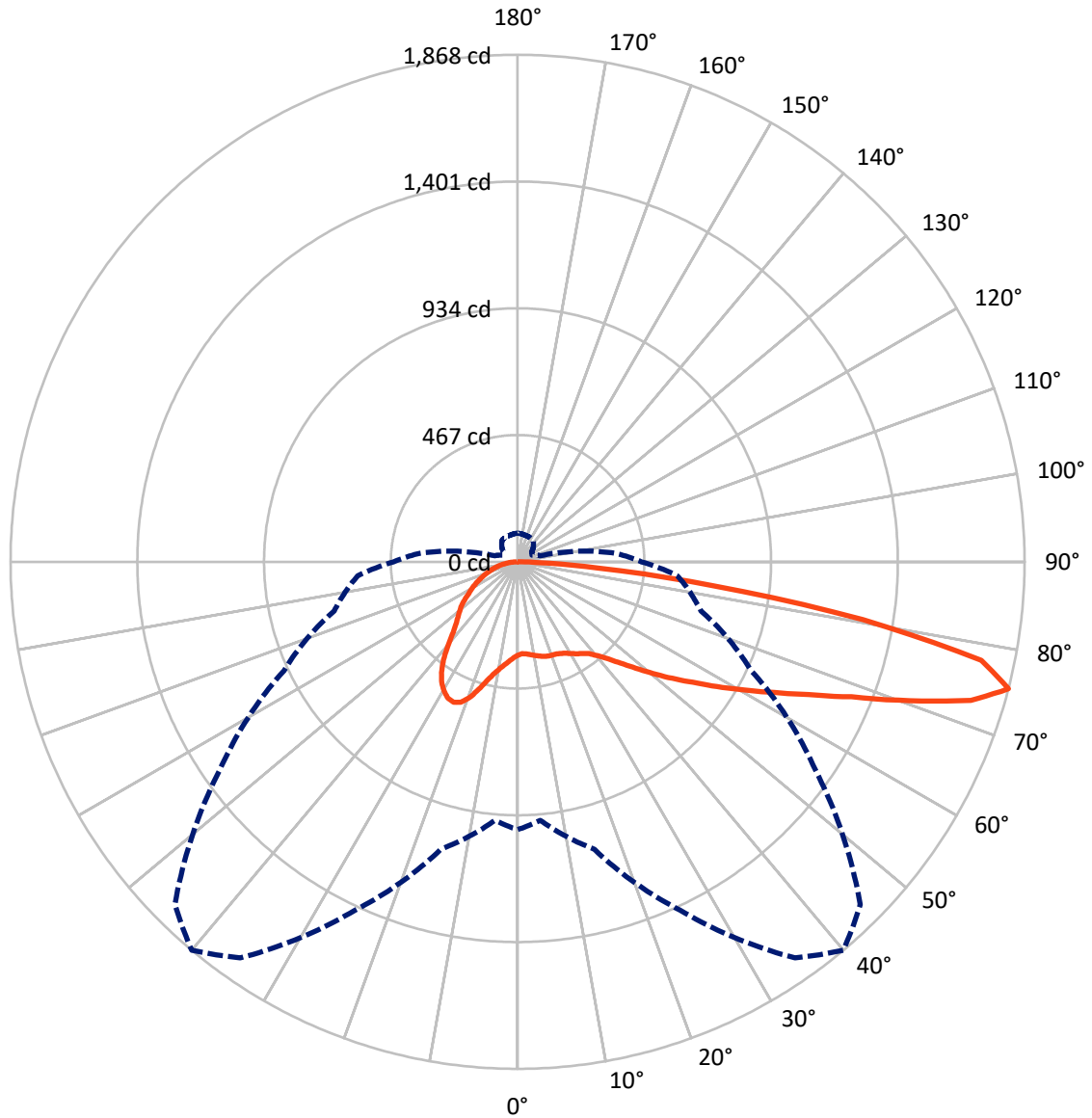
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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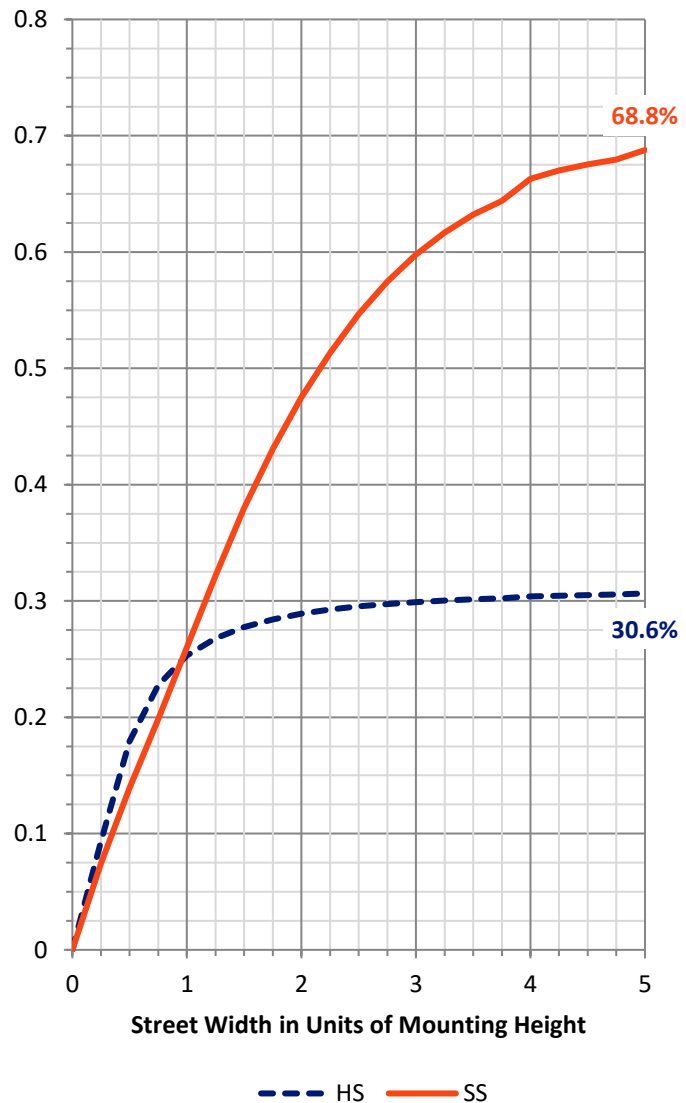
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	929.8	0.0	929.8
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	2071.2	0.0	2071.2
	% Fixture	69.0	0.0	69.0
Total	Lumens	3001.0	0.0	3001.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.3	1.1
10°-20°	115.0	3.8
20°-30°	210.0	7.0
30°-40°	297.8	9.9
40°-50°	402.2	13.4
50°-60°	541.0	18.0
60°-70°	686.7	22.9
70°-80°	623.2	20.8
80°-90°	90.8	3.0
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°	3001.0	100.0
0°-180°	3001.0	100.0

Coefficient of Utilization

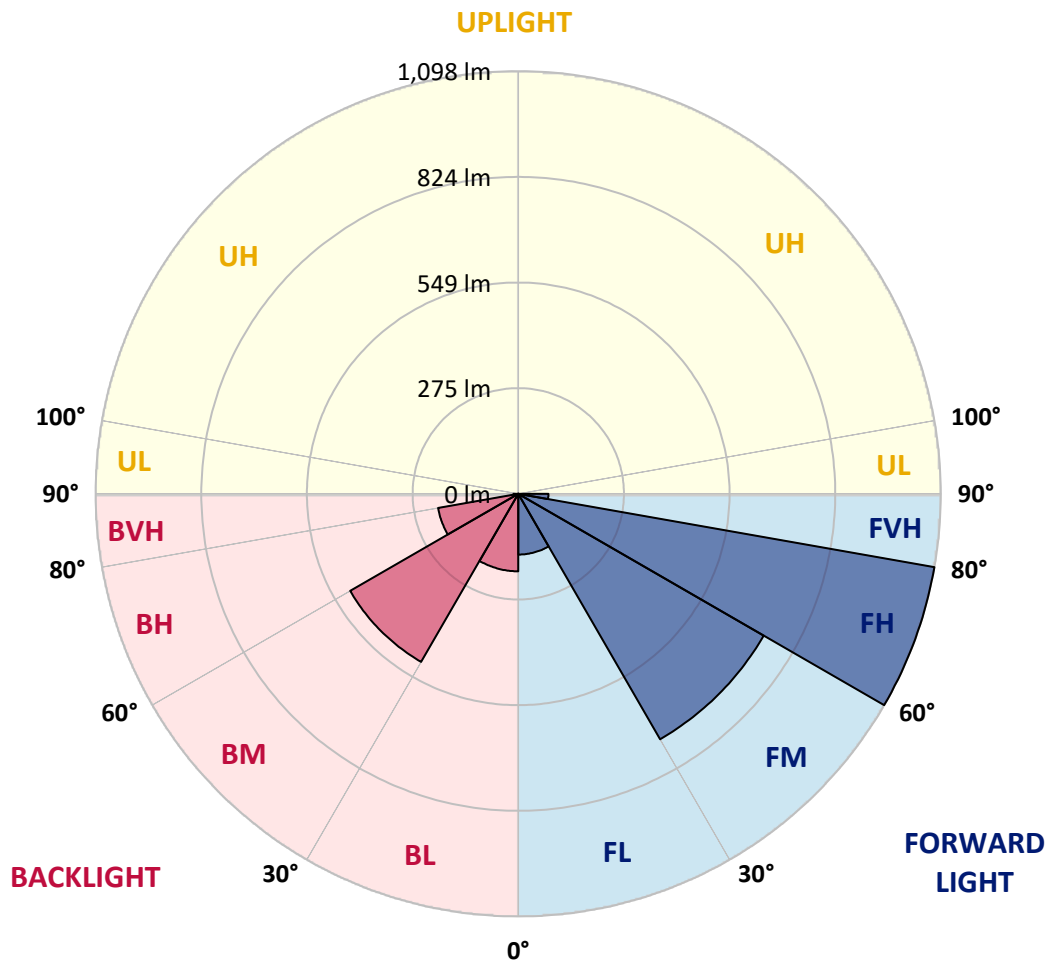


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	157.9	5.3			
FM (30°-60°)	736.7	24.5			
FH (60°-80°)	1098.3	36.6			G1/1800
FVH (80°-90°)	78.3	2.6			G1/100
BL (0°-30°)	201.4	6.7	B1/500		
BM (30°-60°)	504.3	16.8	B1/1000		
BH (60°-80°)	211.6	7.0	B1/500		G1/500
BVH (80°-90°)	12.5	0.4			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 IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	343.2	343.2	343.2	343.2	343.2	343.2	343.2	343.2	343.2	343.2
2.5°	337.9	339.8	339.3	338.7	338.7	338.9	338.7	339.8	340.9	342.1
5°	341.4	343.3	342.4	341.6	340.9	340.8	340.3	340.1	340.8	342.2
7.5°	348.3	350.2	348.7	347.3	346.0	345.4	344.8	343.8	343.3	344.1
10°	355.9	357.8	356.1	353.5	351.4	350.6	350.0	349.1	348.4	348.9
12.5°	363.5	365.5	363.1	359.6	356.9	356.4	355.6	355.3	355.1	354.9
15°	370.7	372.3	369.3	365.1	362.3	361.5	360.7	361.2	362.0	362.9
17.5°	376.3	377.9	373.4	368.0	365.3	365.0	364.5	366.1	368.3	370.7
20°	381.4	383.0	377.2	369.9	366.7	366.7	366.9	370.2	373.4	376.9
22.5°	388.5	389.8	382.8	372.8	368.2	368.5	369.7	373.1	377.1	381.8
25°	399.2	400.2	391.6	378.2	372.9	373.9	375.0	376.6	380.4	386.0
27.5°	416.4	417.2	405.9	387.7	379.8	381.4	383.0	381.8	383.6	388.4
30°	440.6	441.1	426.7	402.7	391.4	392.2	392.5	387.9	384.6	388.4
32.5°	469.2	469.1	452.0	420.8	404.6	403.8	401.1	392.0	384.2	387.6
35°	513.6	511.9	489.9	446.3	419.6	414.6	408.3	396.6	385.8	386.8
37.5°	587.2	581.8	551.4	488.0	441.9	429.3	419.9	404.1	389.3	386.5
40°	670.1	663.3	629.8	545.2	475.3	455.1	439.9	414.8	395.1	387.9
42.5°	768.5	758.8	722.8	612.5	517.6	488.3	465.6	428.3	403.5	392.5
45°	889.3	876.4	825.5	688.4	570.9	531.9	501.5	448.9	416.4	401.4
47.5°	1011.4	1014.5	942.1	775.3	634.9	585.7	546.6	479.7	435.2	415.7
50°	1141.1	1143.3	1058.2	871.6	707.5	646.5	597.2	514.3	461.3	436.1
52.5°	1242.3	1242.6	1163.5	972.4	783.1	713.4	651.8	553.7	491.5	463.2
55°	1305.7	1304.9	1237.4	1067.7	870.0	783.6	712.3	598.6	528.4	495.0
57.5°	1351.7	1349.3	1288.3	1149.7	962.7	866.5	780.7	649.6	572.1	532.9
60°	1369.2	1367.7	1322.9	1220.5	1060.1	958.2	859.7	706.6	621.6	577.6
62.5°	1375.9	1378.6	1356.8	1289.1	1164.3	1059.7	946.4	774.7	677.3	628.2
65°	1399.4	1404.3	1399.9	1378.9	1282.1	1178.6	1061.5	855.7	738.1	682.5
67.5°	1446.1	1451.0	1452.9	1486.3	1426.0	1326.8	1205.1	956.6	809.2	738.9
70°	1444.9	1443.5	1477.2	1571.8	1606.2	1532.0	1398.6	1080.8	894.1	785.7
72.5°	1315.2	1303.8	1383.5	1570.8	1756.1	1746.2	1635.0	1240.9	967.3	791.4
75°	986.7	956.1	1097.0	1415.6	1781.1	1867.8	1785.2	1340.2	949.9	699.2
77.5°	422.0	391.2	557.3	1048.0	1594.1	1746.1	1647.4	1169.3	758.3	462.4
80°	110.5	110.3	168.4	475.1	1084.1	1289.4	1131.2	755.1	433.3	165.2
82.5°	45.7	44.6	61.9	184.8	529.7	723.6	590.5	336.8	156.5	44.7
85°	17.0	16.9	30.1	63.8	186.9	298.4	216.0	86.1	39.0	21.8
87.5°	4.8	4.6	6.5	22.1	45.5	69.1	36.9	14.2	11.0	8.6
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°
343.2	0°	343.2	343.2	343.2	343.2	343.2	343.2	343.2	343.2	343.2	343.2
343.8	2.5°	344.3	345.1	346.5	347.6	349.1	350.6	352.9	354.3	355.7	356.7
344.6	5°	345.7	347.5	351.1	354.8	359.1	363.1	367.7	371.0	373.7	374.5
347.5	7.5°	348.9	351.8	358.0	364.2	371.0	377.5	384.2	390.0	394.6	396.3
352.6	10°	354.5	358.3	367.0	375.8	384.9	394.9	403.5	411.8	418.3	421.0
358.6	12.5°	361.5	366.2	377.7	389.8	402.4	416.2	427.4	437.6	445.7	449.3
367.0	15°	370.5	376.8	391.4	407.6	426.1	445.4	459.5	470.8	479.9	484.4
375.8	17.5°	380.4	388.7	407.2	431.7	458.1	483.4	499.9	508.2	517.6	521.9
383.9	20°	390.0	400.2	426.6	462.2	497.4	524.3	537.7	539.9	540.5	541.0
391.6	22.5°	399.8	413.5	450.9	500.7	538.5	557.1	559.0	549.5	536.1	529.9
399.0	25°	410.7	428.8	482.8	543.2	573.8	576.0	561.4	538.2	512.8	501.2
405.1	27.5°	421.2	446.5	521.0	583.8	599.3	579.7	548.2	515.2	484.7	472.4
409.4	30°	431.7	466.7	563.1	619.3	610.9	570.6	527.3	490.6	459.8	446.9
413.2	32.5°	442.3	490.2	611.7	645.0	608.8	551.4	501.4	462.9	435.8	422.3
416.5	35°	454.4	519.2	657.7	659.0	595.0	523.0	467.2	429.8	406.2	395.4
420.5	37.5°	470.2	556.0	698.3	662.5	570.8	481.5	424.7	390.6	371.2	366.2
426.4	40°	489.8	600.2	729.3	656.9	535.0	431.0	378.2	351.0	340.0	341.1
434.4	42.5°	515.2	649.7	751.1	642.6	485.1	379.0	337.4	325.3	330.6	335.1
446.3	45°	548.3	701.1	764.6	618.2	428.8	334.9	313.4	316.3	320.2	320.7
465.6	47.5°	590.7	753.2	773.6	581.4	371.3	303.9	298.1	298.8	298.0	294.6
494.4	50°	643.5	803.8	781.5	532.7	322.5	284.4	276.8	274.6	263.6	252.8
532.7	52.5°	703.7	850.3	784.9	472.3	284.4	268.2	255.8	241.8	221.2	217.9
581.0	55°	770.5	893.3	776.3	397.9	252.4	247.3	228.6	211.7	209.5	206.6
644.5	57.5°	850.4	939.6	758.8	315.0	219.7	223.0	204.7	206.6	202.6	198.2
726.1	60°	937.8	987.5	728.0	239.4	185.8	192.6	198.5	198.3	197.2	193.5
812.2	62.5°	1016.5	1019.0	667.6	183.4	156.0	169.0	185.1	185.0	184.0	181.9
902.2	65°	1063.2	1014.2	566.6	144.4	131.5	149.6	167.0	168.2	168.4	168.2
969.8	67.5°	1055.0	958.4	428.2	114.9	111.3	129.9	149.0	150.7	152.0	152.3
978.4	70°	961.4	835.6	279.2	91.7	93.3	112.5	132.0	133.7	134.8	136.1
849.0	72.5°	749.4	614.4	159.8	74.2	77.5	97.6	115.1	117.1	117.8	120.2
590.8	75°	456.7	361.3	86.3	58.4	63.7	83.4	98.4	100.8	101.9	104.7
290.2	77.5°	217.1	156.5	49.2	45.5	51.3	68.1	83.1	85.8	82.8	84.4
80.1	80°	73.4	58.1	31.0	34.7	39.2	53.2	66.5	69.2	62.9	62.6
26.6	82.5°	25.6	23.6	19.7	23.1	25.3	38.0	50.3	53.8	46.8	46.6
11.9	85°	10.0	9.6	11.0	12.6	15.1	23.4	33.1	34.9	28.8	23.2
3.5	87.5°	2.1	2.2	2.7	2.9	4.6	8.1	11.9	14.6	11.6	9.9
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>
343.2
356.1
374.8
396.5
421.2
449.3
484.0
521.8
542.3
531.6
503.0
473.8
448.4
424.0
397.8
369.7
344.9
339.2
323.9
297.2
254.2
219.0
207.1
197.4
192.3
181.1
168.2
152.6
136.7
121.1
105.1
83.1
61.9
44.4
22.9
9.1
0.0

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