

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: P845813

Luminaire Tested: **GLAN-SB1A-927-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845813
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-927-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2864 lumens
Efficiency: N/A
Efficacy: 92.7 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

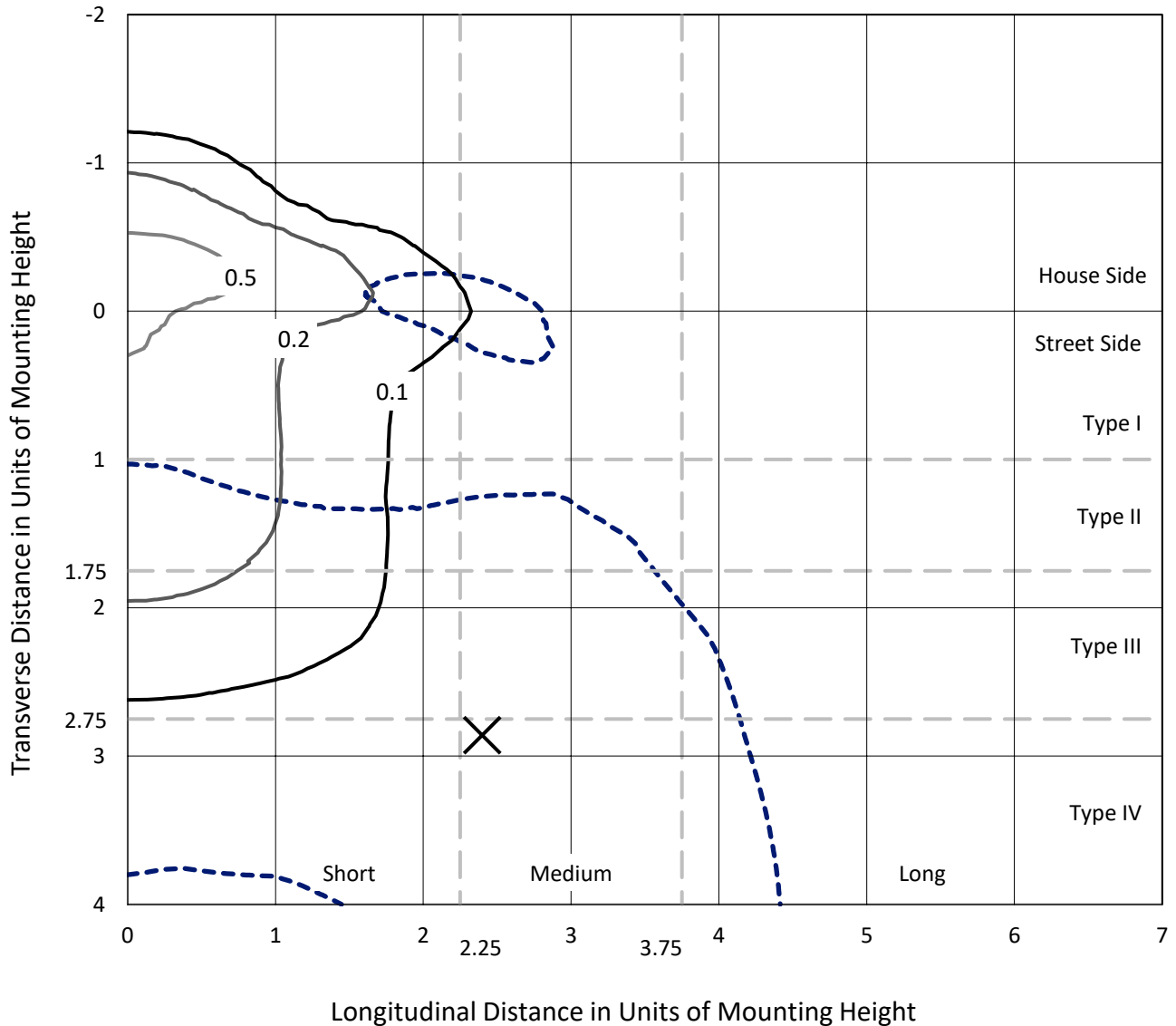
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

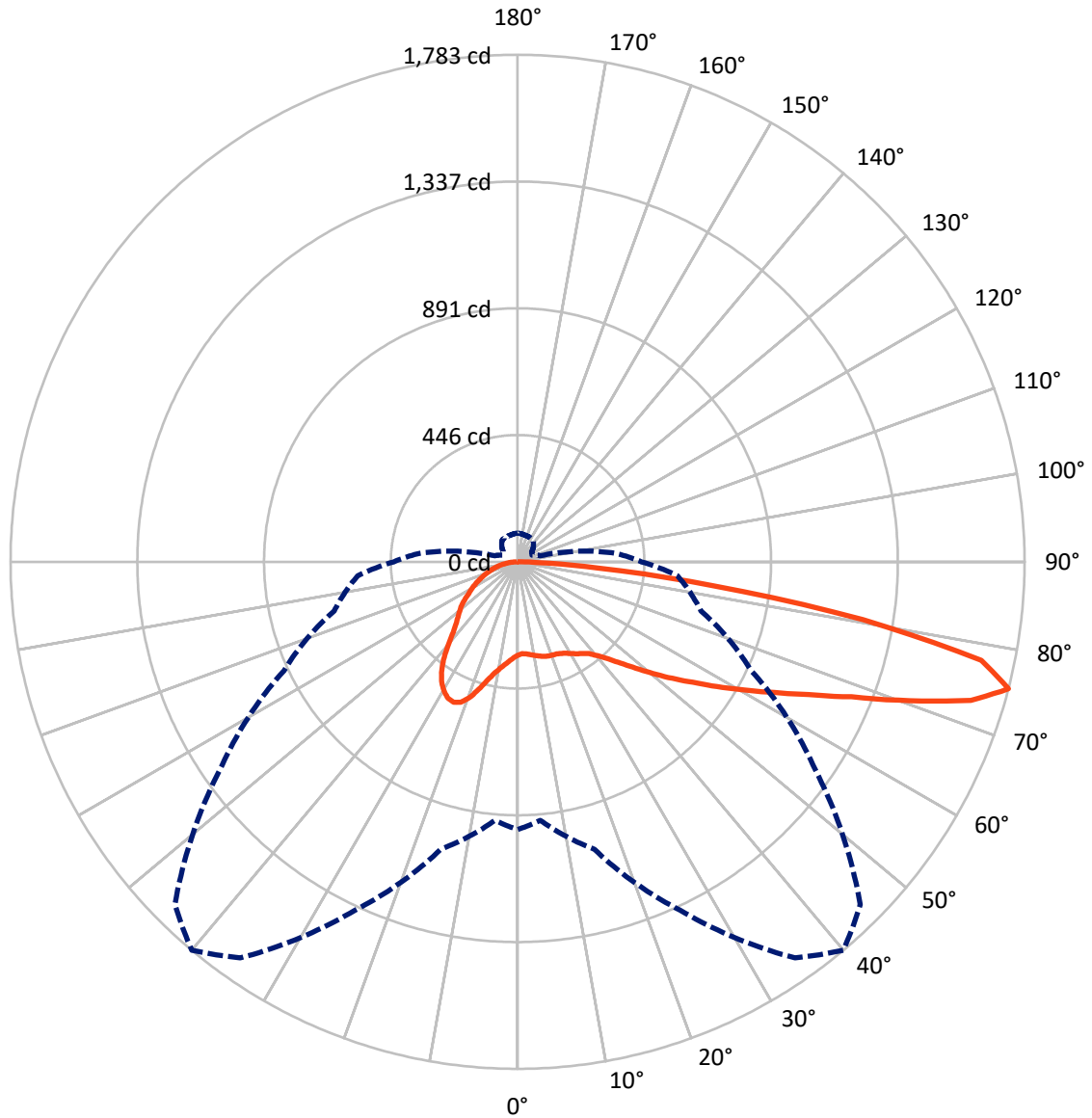
× Max cd
 - - - 1/2 Max cd



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	887.4	0.0	887.4
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	1976.6	0.0	1976.6
	% Fixture	69.0	0.0	69.0
Total	Lumens	2864.0	0.0	2864.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.7	1.1
10°-20°	109.8	3.8
20°-30°	200.4	7.0
30°-40°	284.2	9.9
40°-50°	383.8	13.4
50°-60°	516.3	18.0
60°-70°	655.3	22.9
70°-80°	594.7	20.8
80°-90°	86.7	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°	2864.0	100.0
0°-180°	2864.0	100.0

Coefficient of Utilization

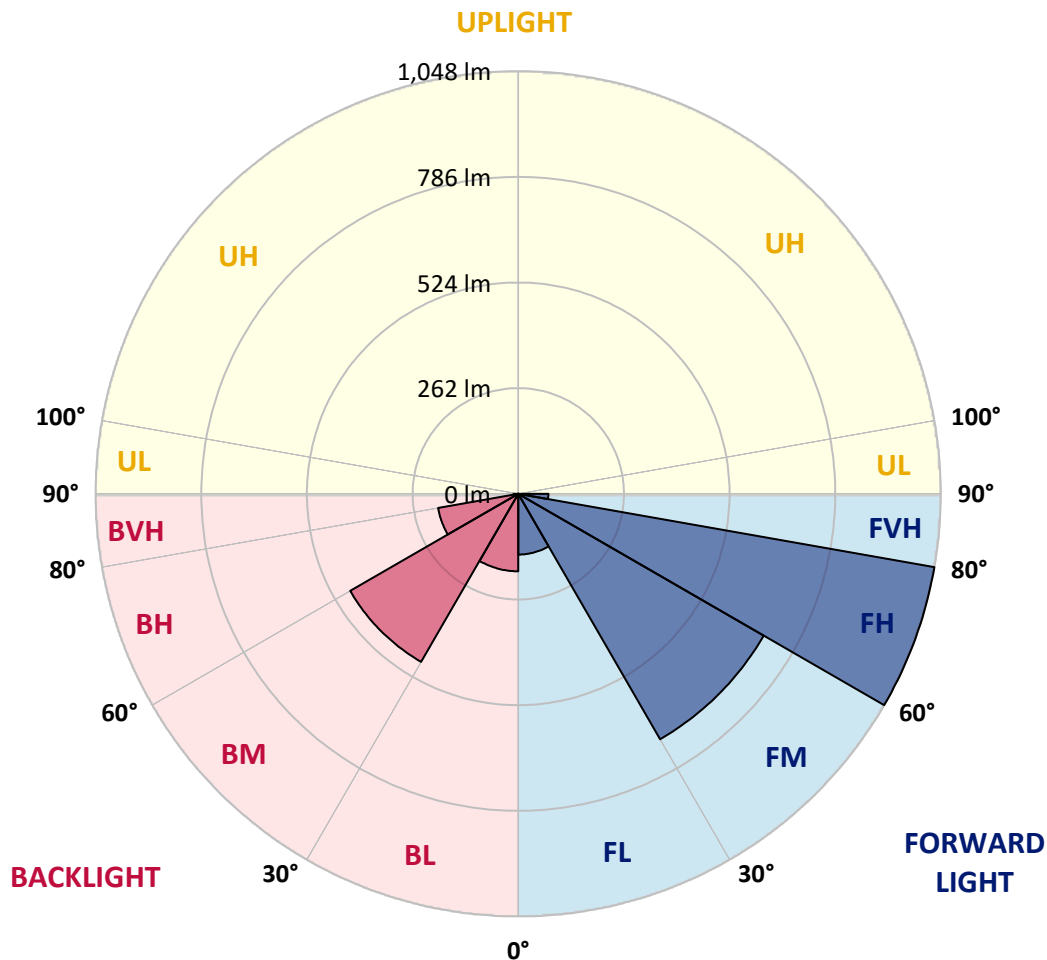


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	150.6	5.3			
FM (30°-60°)	703.0	24.5			
FH (60°-80°)	1048.2	36.6			G1/1800
FVH (80°-90°)	74.8	2.6			G1/100
BL (0°-30°)	192.2	6.7	B1/500		
BM (30°-60°)	481.3	16.8	B1/1000		
BH (60°-80°)	201.9	7.0	B1/500		G1/500
BVH (80°-90°)	11.9	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°	327.5	327.5	327.5	327.5	327.5	327.5	327.5	327.5	327.5	327.5
2.5°	322.5	324.3	323.9	323.2	323.2	323.4	323.2	324.3	325.4	326.4
5°	325.8	327.7	326.7	326.0	325.4	325.2	324.8	324.6	325.2	326.6
7.5°	332.4	334.2	332.8	331.5	330.2	329.6	329.0	328.1	327.7	328.4
10°	339.7	341.5	339.8	337.4	335.4	334.6	334.0	333.1	332.5	333.0
12.5°	346.9	348.8	346.5	343.1	340.6	340.1	339.4	339.0	338.9	338.7
15°	353.8	355.3	352.4	348.5	345.7	345.0	344.2	344.7	345.4	346.3
17.5°	359.1	360.6	356.4	351.2	348.6	348.3	347.9	349.4	351.5	353.8
20°	364.0	365.5	360.0	353.0	350.0	350.0	350.1	353.3	356.4	359.7
22.5°	370.8	372.0	365.3	355.8	351.4	351.7	352.9	356.1	359.9	364.4
25°	381.0	381.9	373.7	360.9	355.9	356.8	357.9	359.4	363.0	368.4
27.5°	397.4	398.1	387.4	370.0	362.4	364.0	365.5	364.4	366.1	370.6
30°	420.5	420.9	407.3	384.3	373.5	374.3	374.6	370.2	367.0	370.6
32.5°	447.8	447.7	431.4	401.6	386.1	385.4	382.8	374.1	366.7	369.9
35°	490.2	488.5	467.6	425.9	400.4	395.7	389.6	378.5	368.2	369.1
37.5°	560.4	555.2	526.2	465.7	421.7	409.7	400.7	385.7	371.6	368.8
40°	639.5	633.0	601.1	520.3	453.6	434.3	419.9	395.9	377.0	370.2
42.5°	733.4	724.1	689.8	584.5	494.0	466.0	444.3	408.8	385.1	374.6
45°	848.7	836.4	787.8	657.0	544.9	507.7	478.6	428.4	397.4	383.1
47.5°	965.2	968.2	899.1	739.9	605.9	559.0	521.6	457.8	415.3	396.8
50°	1089.0	1091.1	1009.8	831.8	675.2	617.0	569.9	490.8	440.2	416.2
52.5°	1185.6	1185.9	1110.4	928.0	747.4	680.8	622.0	528.5	469.1	442.0
55°	1246.1	1245.3	1180.9	1019.0	830.3	747.8	679.8	571.3	504.3	472.4
57.5°	1290.0	1287.7	1229.5	1097.2	918.7	827.0	745.1	619.9	545.9	508.6
60°	1306.7	1305.3	1262.5	1164.8	1011.7	914.5	820.4	674.3	593.2	551.3
62.5°	1313.0	1315.6	1294.8	1230.3	1111.2	1011.4	903.2	739.3	646.3	599.6
65°	1335.5	1340.2	1336.0	1315.9	1223.6	1124.8	1013.0	816.6	704.4	651.4
67.5°	1380.0	1384.7	1386.6	1418.5	1360.9	1266.3	1150.1	912.9	772.3	705.1
70°	1379.0	1377.6	1409.8	1500.0	1532.9	1462.1	1334.8	1031.4	853.2	749.8
72.5°	1255.2	1244.2	1320.3	1499.1	1675.9	1666.5	1560.3	1184.2	923.1	755.3
75°	941.6	912.5	1046.9	1351.0	1699.8	1782.6	1703.7	1279.0	906.6	667.3
77.5°	402.7	373.4	531.8	1000.1	1521.3	1666.4	1572.2	1115.9	723.7	441.3
80°	105.4	105.3	160.7	453.4	1034.6	1230.6	1079.6	720.6	413.5	157.7
82.5°	43.6	42.5	59.1	176.4	505.5	690.5	563.6	321.4	149.3	42.7
85°	16.3	16.1	28.7	60.9	178.3	284.8	206.1	82.2	37.2	20.8
87.5°	4.6	4.4	6.2	21.1	43.4	65.9	35.2	13.5	10.5	8.2
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°
327.5	0°	327.5	327.5	327.5	327.5	327.5	327.5	327.5	327.5	327.5	327.5
328.1	2.5°	328.6	329.3	330.7	331.8	333.1	334.6	336.8	338.1	339.5	340.4
328.9	5°	329.9	331.6	335.1	338.6	342.7	346.5	350.9	354.1	356.7	357.4
331.6	7.5°	333.0	335.7	341.6	347.6	354.1	360.3	366.7	372.2	376.6	378.2
336.5	10°	338.3	341.9	350.3	358.6	367.3	376.9	385.1	393.0	399.2	401.8
342.2	12.5°	345.0	349.5	360.5	372.0	384.0	397.2	407.9	417.6	425.3	428.8
350.3	15°	353.6	359.6	373.5	389.0	406.6	425.0	438.5	449.3	458.0	462.2
358.6	17.5°	363.0	370.9	388.6	412.0	437.2	461.3	477.1	485.0	494.0	498.1
366.4	20°	372.2	381.9	407.1	441.1	474.7	500.4	513.1	515.3	515.9	516.3
373.7	22.5°	381.6	394.6	430.3	477.9	513.9	531.7	533.5	524.4	511.6	505.7
380.8	25°	391.9	409.2	460.7	518.4	547.6	549.7	535.8	513.6	489.4	478.3
386.6	27.5°	401.9	426.1	497.2	557.2	571.9	553.2	523.2	491.7	462.5	450.8
390.7	30°	412.0	445.4	537.4	591.1	583.0	544.6	503.3	468.2	438.8	426.5
394.3	32.5°	422.1	467.9	583.8	615.5	581.0	526.2	478.5	441.7	415.9	403.0
397.5	35°	433.7	495.5	627.7	628.9	567.8	499.2	445.8	410.1	387.7	377.3
401.3	37.5°	448.7	530.6	666.4	632.2	544.7	459.5	405.3	372.8	354.2	349.5
406.9	40°	467.4	572.8	696.0	626.9	510.5	411.4	360.9	334.9	324.5	325.5
414.5	42.5°	491.7	620.1	716.8	613.2	463.0	361.7	322.0	310.5	315.5	319.8
425.9	45°	523.3	669.1	729.7	590.0	409.2	319.6	299.1	301.8	305.6	306.1
444.3	47.5°	563.7	718.8	738.2	554.9	354.4	290.0	284.5	285.1	284.4	281.2
471.8	50°	614.1	767.1	745.8	508.4	307.8	271.5	264.2	262.0	251.6	241.2
508.4	52.5°	671.6	811.5	749.0	450.7	271.5	256.0	244.1	230.7	211.1	208.0
554.4	55°	735.4	852.5	740.8	379.8	240.9	236.1	218.1	202.0	199.9	197.2
615.1	57.5°	811.6	896.7	724.1	300.6	209.6	212.8	195.3	197.2	193.4	189.1
693.0	60°	895.0	942.4	694.8	228.5	177.3	183.8	189.4	189.3	188.2	184.7
775.2	62.5°	970.1	972.5	637.1	175.0	148.9	161.3	176.7	176.5	175.6	173.6
861.0	65°	1014.7	967.9	540.8	137.8	125.5	142.8	159.3	160.6	160.7	160.6
925.5	67.5°	1006.8	914.6	408.6	109.7	106.2	124.0	142.2	143.9	145.1	145.4
933.7	70°	917.5	797.5	266.4	87.5	89.0	107.4	125.9	127.6	128.7	129.9
810.2	72.5°	715.2	586.3	152.5	70.8	74.0	93.1	109.8	111.8	112.4	114.7
563.9	75°	435.8	344.8	82.3	55.7	60.8	79.6	93.9	96.2	97.2	100.0
276.9	77.5°	207.2	149.3	46.9	43.4	48.9	65.0	79.3	81.9	79.0	80.5
76.4	80°	70.0	55.4	29.6	33.1	37.4	50.7	63.5	66.1	60.0	59.7
25.4	82.5°	24.5	22.5	18.8	22.0	24.2	36.3	48.0	51.3	44.7	44.5
11.4	85°	9.6	9.1	10.5	12.0	14.4	22.3	31.6	33.3	27.5	22.2
3.3	87.5°	2.0	2.1	2.6	2.7	4.4	7.7	11.4	14.0	11.1	9.4
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

180°
327.5
339.8
357.7
378.4
401.9
428.8
461.9
497.9
517.5
507.4
480.0
452.2
427.9
404.7
379.6
352.9
329.2
323.7
309.1
283.6
242.6
209.0
197.6
188.4
183.5
172.9
160.6
145.7
130.5
115.6
100.3
79.3
59.1
42.4
21.9
8.7
0.0

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