

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: P852074

Luminaire Tested: **GLAN-SB1A-930-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852074
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1A-930-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2292 lumens
Efficiency: N/A
Efficacy: 74.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

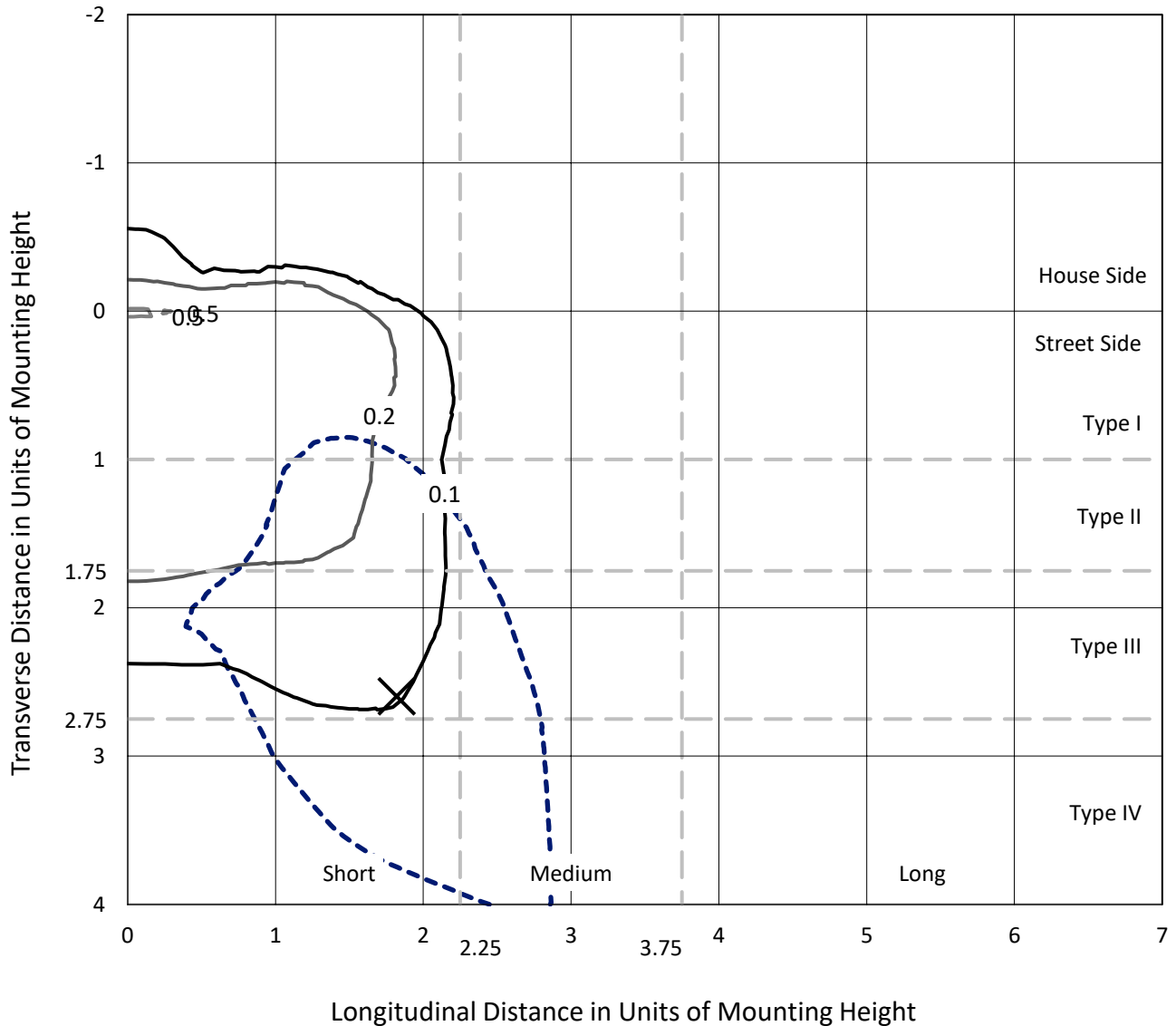
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

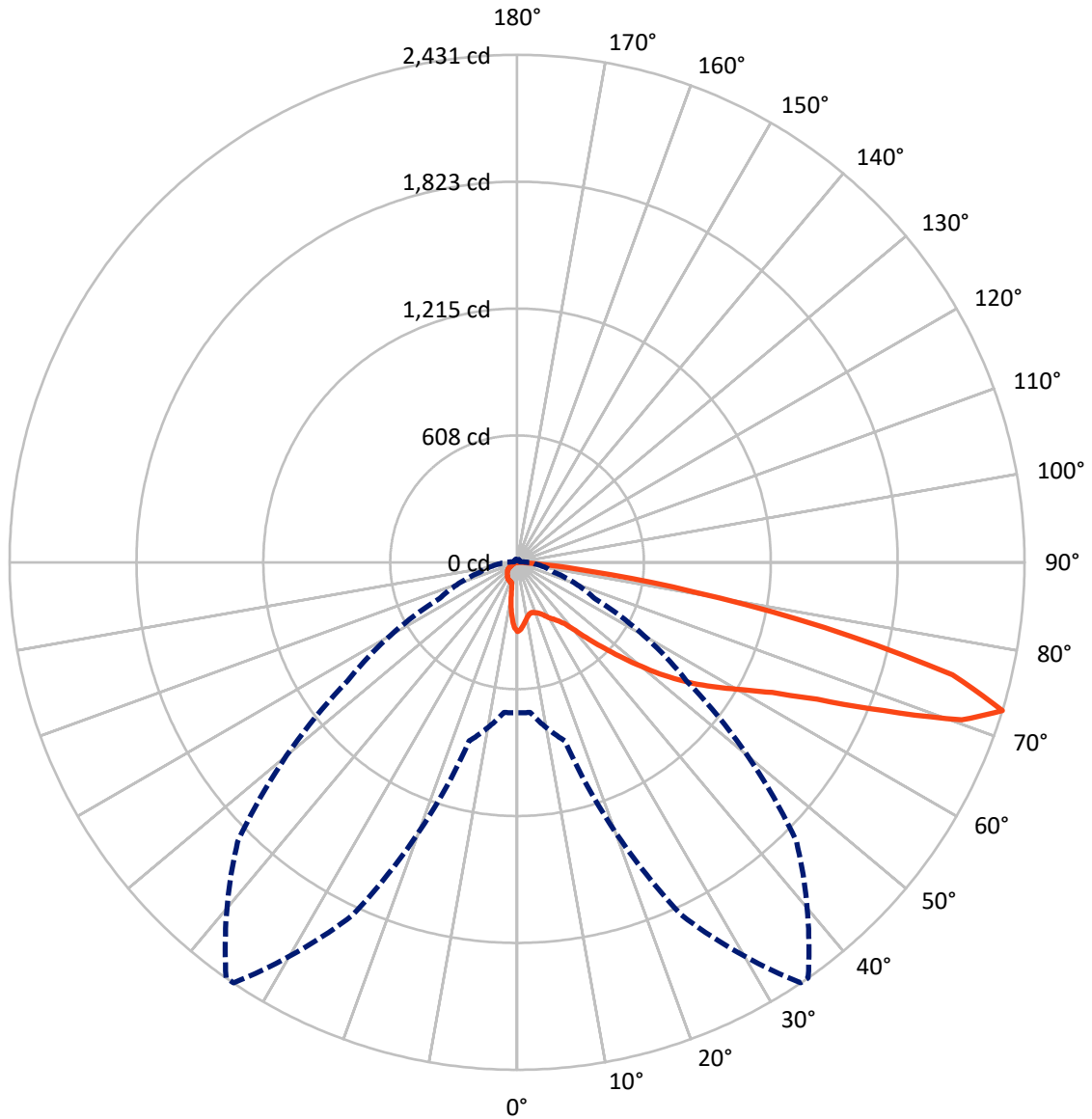
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	258.0	0.0	258.0
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	2034.0	0.0	2034.0
	% Fixture	88.7	0.0	88.7
Total	Lumens	2292.0	0.0	2292.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.3	1.2
10°-20°	63.9	2.8
20°-30°	103.7	4.5
30°-40°	173.1	7.6
40°-50°	327.5	14.3
50°-60°	520.4	22.7
60°-70°	643.7	28.1
70°-80°	400.1	17.5
80°-90°	32.3	1.4
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°	2292.0	100.0
0°-180°	2292.0	100.0

Coefficient of Utilization



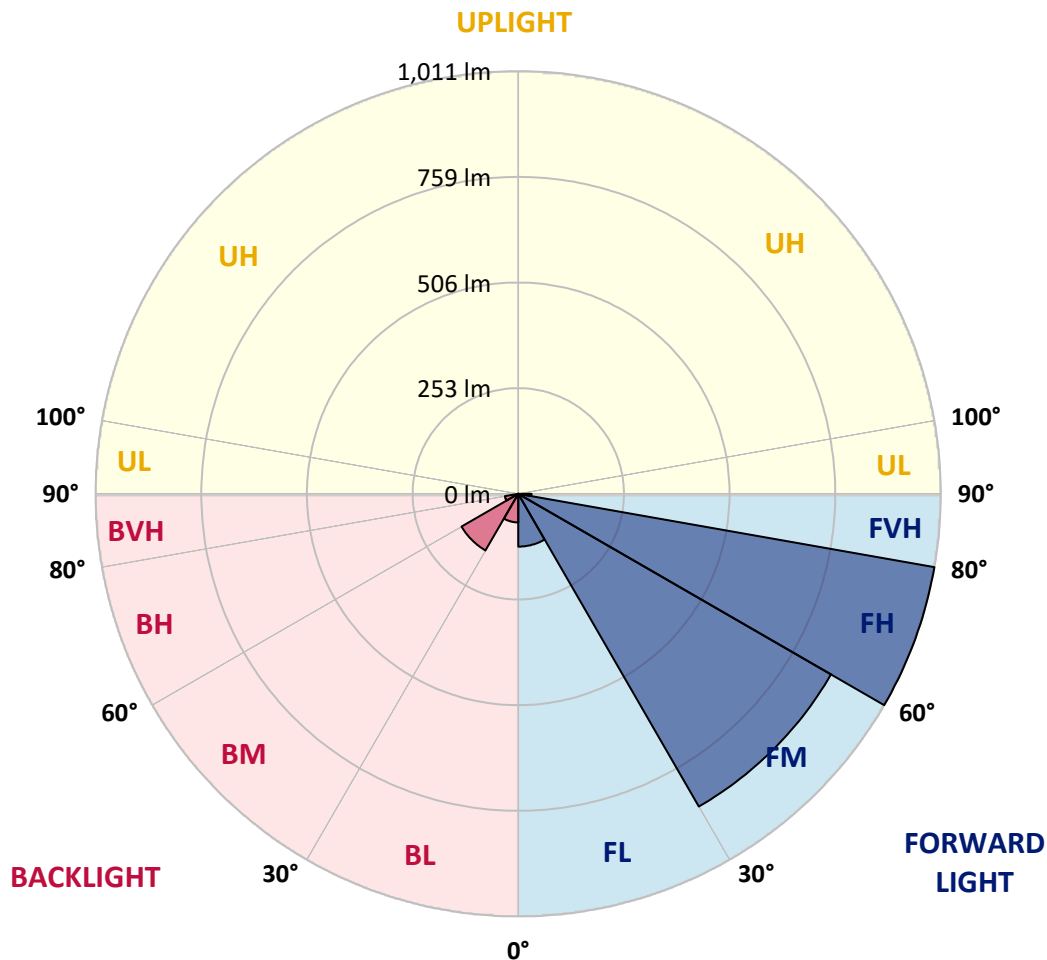
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	126.3	5.5			
FM (30°-60°)	864.3	37.7			
FH (60°-80°)	1011.5	44.1			G1/1800
FVH (80°-90°)	31.9	1.4			G1/100
BL (0°-30°)	68.5	3.0	B0/110		
BM (30°-60°)	156.6	6.8	B0/220		
BH (60°-80°)	32.4	1.4	B0/110		G0/110
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	332.2	332.2	332.2	332.2	332.2	332.2	332.2	332.2	332.2	332.2
2.5°	317.4	320.1	320.6	321.4	321.4	322.4	324.1	326.5	330.3	332.4
5°	292.6	294.6	297.1	299.1	303.0	303.5	310.0	316.4	325.3	332.0
7.5°	267.5	269.9	273.2	278.1	283.1	284.7	294.6	305.3	319.4	332.0
10°	249.9	250.1	253.1	258.0	266.0	267.9	280.0	295.2	312.9	330.0
12.5°	240.0	241.2	242.5	246.2	253.9	255.1	268.0	286.0	306.3	328.8
15°	240.0	240.8	241.7	243.5	249.7	250.7	262.2	280.1	303.0	329.3
17.5°	242.5	243.9	243.2	245.4	251.9	252.6	262.7	278.4	302.8	332.5
20°	248.6	249.6	248.2	249.6	256.1	257.5	267.9	281.6	305.7	338.1
22.5°	258.1	258.6	255.4	256.4	263.2	264.8	276.9	290.7	312.5	347.0
25°	270.2	271.2	266.4	267.5	273.9	275.9	289.9	304.3	323.5	359.2
27.5°	284.2	284.7	280.5	280.3	288.5	291.4	305.5	321.1	338.1	374.7
30°	300.1	301.6	297.6	296.9	307.3	309.7	323.6	341.8	359.6	397.9
32.5°	312.7	313.9	311.5	313.2	323.8	325.6	345.6	371.0	393.3	430.8
35°	330.8	331.5	326.1	329.2	341.3	346.0	375.7	412.0	435.8	472.1
37.5°	396.5	396.5	373.7	358.7	370.3	374.5	416.8	463.5	488.2	527.5
40°	487.4	485.9	452.4	421.9	420.4	428.6	475.4	528.5	555.9	594.0
42.5°	584.3	581.9	536.4	506.2	501.1	504.0	543.1	608.6	636.5	675.1
45°	670.3	669.6	627.9	587.3	578.2	587.3	627.6	702.3	722.3	763.0
47.5°	742.3	742.3	711.9	685.4	680.7	686.0	742.0	806.3	804.4	856.5
50°	825.3	824.6	795.7	784.3	789.2	796.7	873.6	915.8	889.4	948.4
52.5°	883.4	887.4	877.5	875.6	900.5	913.6	1007.3	1022.9	965.5	1035.5
55°	929.4	934.1	945.5	958.4	1006.3	1023.4	1136.8	1124.5	1029.1	1111.1
57.5°	994.5	987.8	1005.5	1031.0	1108.4	1129.1	1262.2	1220.4	1080.4	1172.4
60°	1073.6	1074.7	1077.7	1109.9	1210.4	1236.9	1385.9	1311.1	1113.3	1210.0
62.5°	1168.7	1170.2	1176.4	1226.0	1347.2	1372.2	1517.5	1385.3	1128.4	1199.4
65°	1162.2	1168.5	1237.9	1407.3	1555.3	1580.0	1671.2	1437.4	1105.6	1102.7
67.5°	1058.7	1069.1	1185.2	1624.0	1869.0	1896.6	1856.9	1447.7	1007.0	857.5
70°	923.0	926.7	1066.3	1818.8	2232.3	2260.2	2023.2	1335.0	764.1	478.3
72.5°	720.8	721.6	885.4	1864.0	2429.4	2430.9	1892.7	991.0	411.0	183.7
75°	514.9	509.9	593.0	1511.6	2137.4	2154.5	1418.9	464.9	157.0	86.8
77.5°	276.1	281.6	335.5	896.5	1476.5	1505.8	774.2	134.0	79.9	59.1
80°	85.3	90.0	137.5	410.4	836.3	854.0	287.0	59.6	55.8	42.2
82.5°	26.9	27.9	64.2	172.5	347.1	355.2	83.1	33.8	38.1	27.9
85°	7.7	7.9	28.5	64.3	85.8	87.5	23.3	13.1	21.8	17.3
87.5°	0.8	2.7	10.7	10.7	7.6	7.4	2.5	2.9	6.2	2.2
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°
332.2	0°	332.2	332.2	332.2	332.2	332.2	332.2	332.2	332.2	332.2	332.2
333.7	2.5°	332.9	333.0	330.8	327.1	323.1	319.8	315.6	312.2	309.9	309.2
336.7	5°	335.2	334.0	327.8	316.6	303.1	291.5	278.6	268.4	261.7	258.8
339.9	7.5°	338.7	335.4	321.8	299.6	273.9	251.1	227.9	209.9	198.5	192.8
342.9	10°	341.8	335.0	311.7	275.1	235.8	201.2	170.0	148.3	136.2	130.5
346.5	12.5°	344.6	334.9	298.6	246.0	192.8	150.5	121.4	110.7	107.3	106.1
352.2	15°	350.0	335.4	282.1	212.8	150.0	113.7	103.1	102.9	103.6	103.3
360.9	17.5°	357.4	335.9	263.5	177.5	115.7	100.3	99.8	101.3	102.3	101.8
371.8	20°	367.0	337.9	243.7	142.6	99.4	96.9	98.1	99.4	100.3	99.4
386.4	22.5°	380.4	341.4	222.0	114.5	94.2	94.9	95.9	97.4	98.2	97.1
405.1	25°	396.8	347.0	200.7	99.6	91.7	92.5	94.0	95.7	96.7	95.6
428.6	27.5°	418.2	355.9	181.0	96.2	89.2	89.7	91.9	94.4	95.7	94.2
462.0	30°	449.1	370.5	164.1	97.7	87.7	86.5	89.5	93.0	94.6	93.2
507.5	32.5°	490.1	391.1	153.7	100.1	87.0	82.8	85.6	90.2	92.7	91.9
567.0	35°	543.8	422.5	149.6	102.8	86.5	78.9	80.9	85.8	90.2	91.0
641.9	37.5°	609.0	466.2	150.8	104.0	85.0	75.7	76.7	80.9	86.7	89.3
726.2	40°	683.0	517.1	157.5	102.8	83.3	73.1	73.2	76.4	81.5	85.5
816.9	42.5°	759.4	576.5	170.0	98.4	81.8	70.7	70.2	72.4	75.7	78.6
907.4	45°	832.1	637.7	182.2	92.4	79.9	68.4	67.2	68.0	68.7	69.9
995.6	47.5°	895.6	680.7	178.7	86.8	77.4	65.7	63.6	63.3	61.3	61.1
1074.3	50°	939.5	690.1	158.7	81.3	73.7	62.6	59.5	57.4	53.9	52.2
1133.3	52.5°	953.4	653.0	129.7	75.7	67.7	58.6	54.1	50.9	46.5	45.0
1167.2	55°	934.9	580.2	103.6	69.0	59.3	53.2	48.2	44.0	40.5	38.6
1170.9	57.5°	889.8	487.7	82.0	61.1	50.4	47.2	42.2	38.0	34.9	33.1
1129.9	60°	814.9	387.3	64.8	51.7	43.0	40.6	35.4	32.7	30.1	27.9
1024.1	62.5°	701.2	276.4	50.9	41.0	35.9	33.3	30.2	28.2	25.0	22.0
833.8	65°	547.2	169.1	39.3	30.1	28.9	27.5	25.7	23.8	20.0	17.0
544.0	67.5°	345.1	80.1	28.0	22.7	22.8	22.2	21.3	19.8	17.0	14.3
243.7	70°	152.0	38.8	18.5	17.3	17.0	17.0	17.6	17.1	14.4	11.9
84.6	72.5°	51.7	20.8	13.8	13.1	12.3	12.1	14.8	14.3	11.6	9.2
42.2	75°	27.0	13.9	10.1	9.4	7.4	8.9	11.8	11.1	8.2	6.0
27.9	77.5°	17.6	9.9	6.9	6.0	4.2	5.9	8.7	7.7	4.9	3.0
18.3	80°	11.1	6.5	4.0	2.9	2.0	3.2	4.7	3.4	1.8	0.7
10.7	82.5°	5.9	3.4	1.5	1.0	0.8	1.0	1.2	0.8	0.3	0.0
5.5	85°	2.4	1.2	0.5	0.3	0.2	0.0	0.3	0.2	0.0	0.0
1.0	87.5°	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
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332.2
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