

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: P845995

Luminaire Tested: **GLAN-SB1B-930-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845995
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1B-930-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 3000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH
HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2775 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

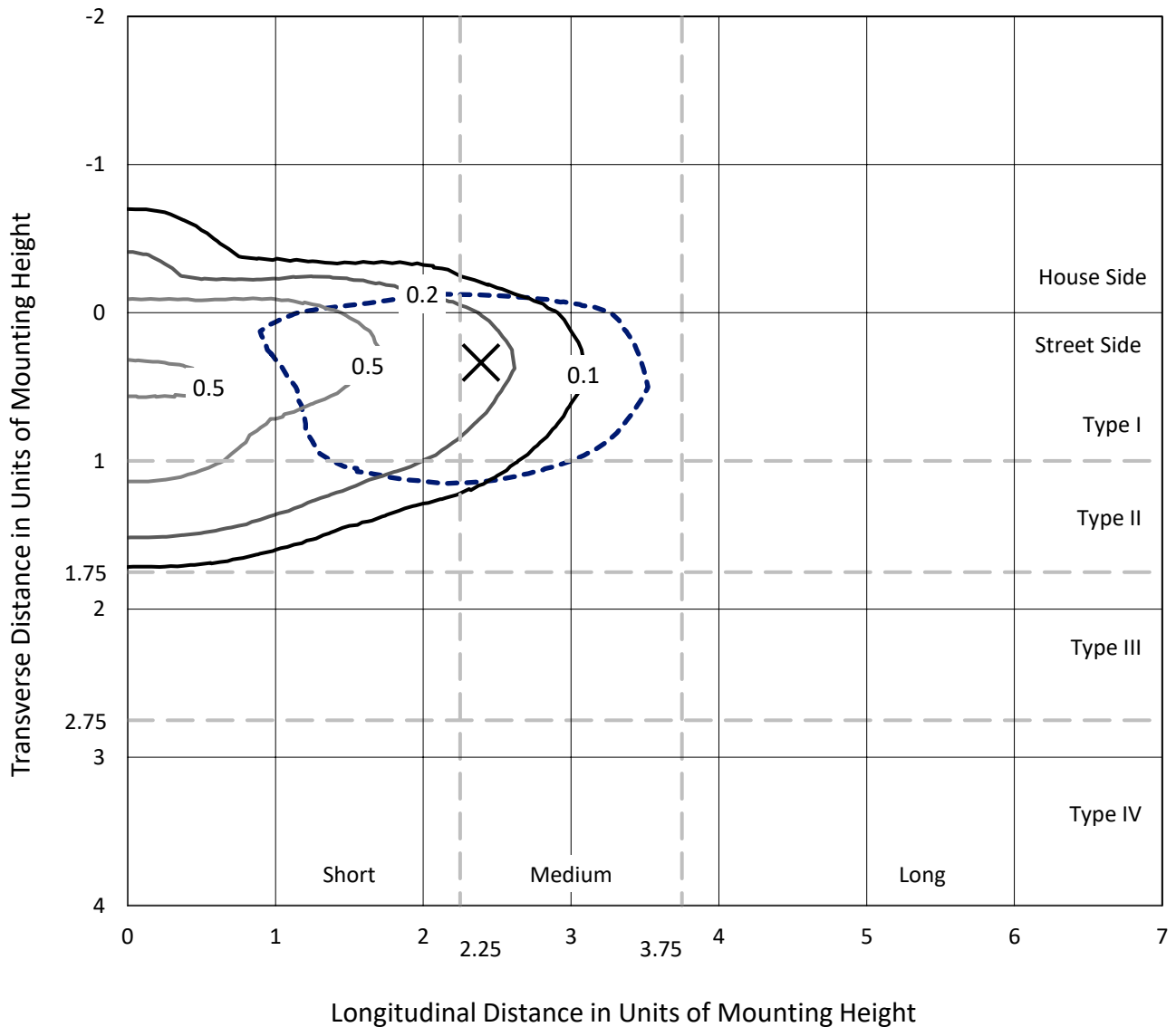
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

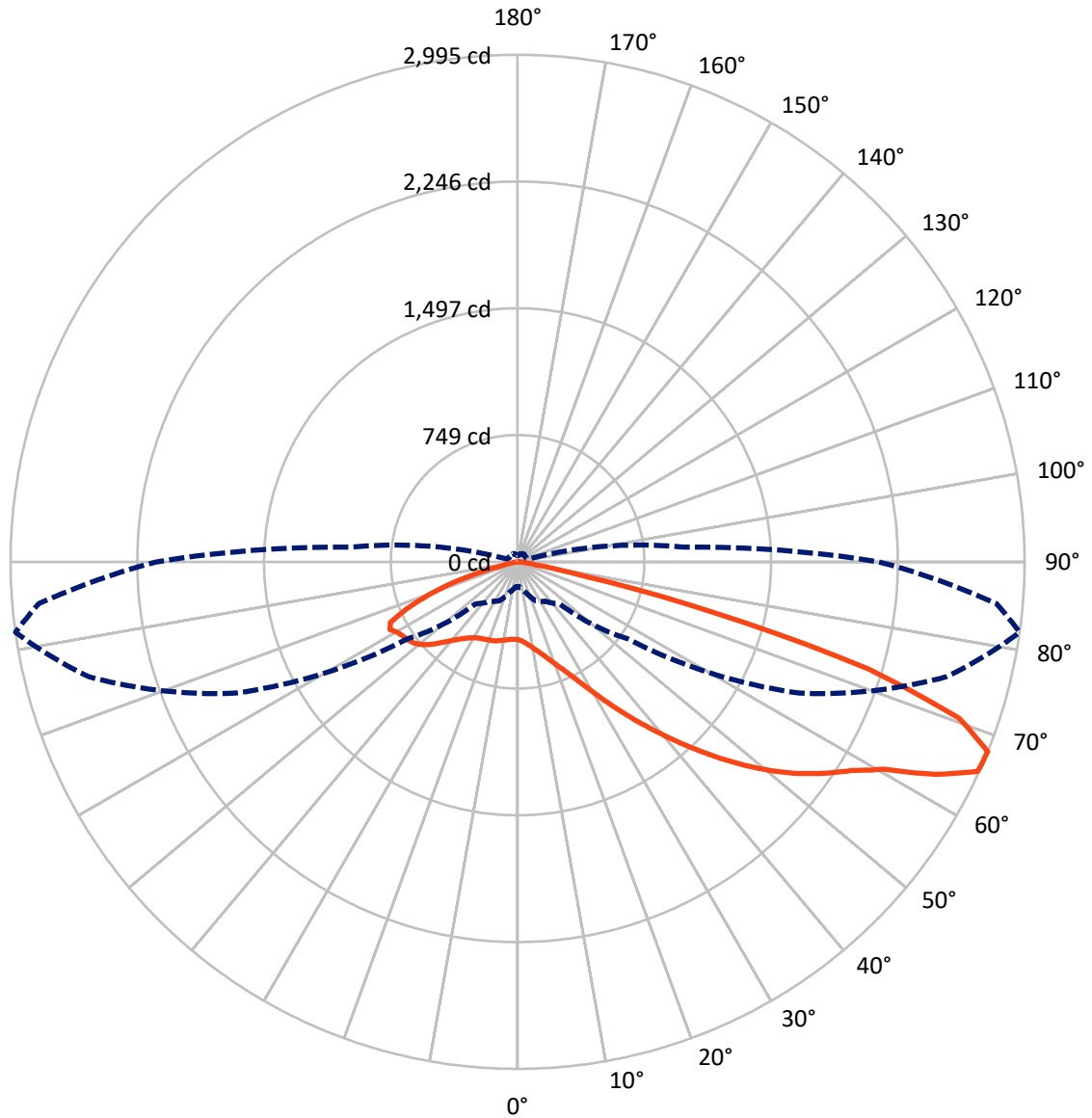
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	502.7	0.0	502.7
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	2272.3	0.0	2272.3
	% Fixture	81.9	0.0	81.9
Total	Lumens	2775.0	0.0	2775.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.0	1.5
10°-20°	106.4	3.8
20°-30°	170.5	6.1
30°-40°	301.5	10.9
40°-50°	528.2	19.0
50°-60°	704.4	25.4
60°-70°	655.8	23.6
70°-80°	251.7	9.1
80°-90°	15.6	0.6
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°	2775.0	100.0
0°-180°	2775.0	100.0

Coefficient of Utilization

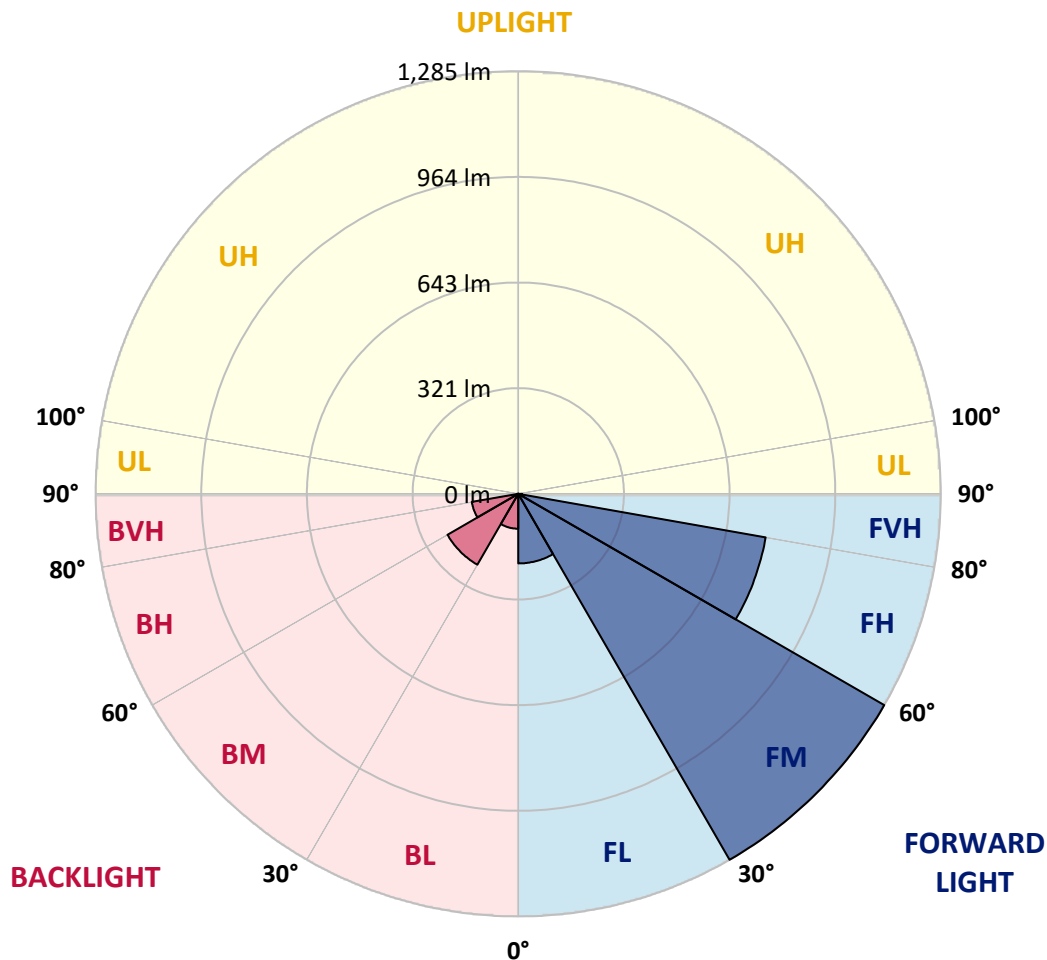


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	211.7	7.6			
FM (30°-60°)	1285.3	46.3			
FH (60°-80°)	764.0	27.5			G1/1800
FVH (80°-90°)	11.4	0.4			G1/100
BL (0°-30°)	106.2	3.8	B0/110		
BM (30°-60°)	248.8	9.0	B1/1000		
BH (60°-80°)	143.5	5.2	B1/500		G1/500
BVH (80°-90°)	4.3	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	459.7	459.7	459.7	459.7	459.7	459.7	459.7	459.7	459.7	459.7
2.5°	485.9	488.7	487.1	486.3	484.9	482.9	481.3	476.3	471.1	467.7
5°	495.7	498.5	498.3	499.1	500.1	500.7	500.3	494.7	487.3	481.5
7.5°	487.3	490.5	493.1	497.1	504.1	511.5	515.1	513.9	506.3	498.3
10°	463.5	466.9	473.1	482.5	497.3	513.3	526.7	532.8	528.1	519.3
12.5°	420.0	423.4	435.5	455.9	480.7	508.5	534.0	550.6	551.8	543.0
15°	371.0	374.4	387.4	413.0	450.7	495.3	538.0	569.4	580.0	572.4
17.5°	340.6	343.6	353.4	374.0	413.4	468.9	536.6	589.4	613.6	607.6
20°	331.5	334.1	338.6	353.0	385.8	441.5	527.5	608.2	649.7	646.3
22.5°	341.2	343.6	345.0	351.4	372.0	423.6	515.9	627.3	691.7	692.1
25°	363.8	366.2	364.6	368.6	377.6	418.0	511.5	649.9	744.4	748.8
27.5°	401.0	401.2	397.4	397.2	398.6	426.4	516.1	674.1	811.0	819.2
30°	475.5	472.5	457.9	442.1	434.9	451.5	528.9	702.7	889.5	904.1
32.5°	590.4	586.0	559.2	521.5	483.5	492.1	551.8	735.2	975.0	1001.4
35°	715.1	713.9	685.9	629.7	563.4	549.8	589.2	778.0	1068.3	1110.2
37.5°	830.9	830.3	814.4	748.2	667.5	630.3	649.1	833.9	1168.2	1228.9
40°	936.8	938.6	922.6	863.5	782.2	733.6	730.6	903.1	1279.3	1358.2
42.5°	1028.3	1030.3	1014.1	970.4	895.5	847.9	830.7	987.8	1387.8	1497.0
45°	1090.5	1102.9	1100.5	1065.5	1011.8	962.4	951.0	1094.1	1511.4	1644.3
47.5°	1108.1	1119.4	1137.4	1142.2	1109.5	1060.9	1074.5	1222.1	1636.5	1791.7
50°	1064.7	1075.3	1112.6	1162.4	1185.2	1170.2	1194.6	1359.4	1764.6	1938.8
52.5°	979.2	990.0	1037.1	1115.8	1208.7	1255.9	1315.0	1494.7	1888.6	2078.0
55°	855.5	866.9	927.4	1016.5	1163.8	1291.3	1415.5	1629.7	2002.3	2203.3
57.5°	687.3	695.7	758.6	883.3	1050.7	1256.1	1489.7	1777.2	2109.4	2326.4
60°	447.9	455.3	528.5	667.5	863.3	1138.6	1504.4	1941.6	2251.7	2486.4
62.5°	297.9	302.9	346.2	448.3	608.0	913.1	1417.9	2072.9	2460.3	2764.9
65°	204.4	209.4	252.7	323.9	392.8	604.0	1169.2	2055.5	2649.3	2986.1
67.5°	145.8	150.0	186.8	253.9	284.3	350.8	792.6	1833.3	2622.1	2994.5
70°	104.5	106.9	137.3	197.8	226.0	210.8	440.7	1402.1	2295.8	2765.1
72.5°	73.1	73.9	95.3	150.6	182.0	153.8	209.8	934.8	1736.4	2170.4
75°	49.5	50.5	64.1	110.5	146.0	117.5	111.1	501.3	1019.3	1201.4
77.5°	30.4	30.8	41.4	75.5	109.3	89.5	71.5	212.4	394.4	387.2
80°	17.2	17.2	26.4	47.0	74.5	57.7	50.1	90.3	124.9	109.7
82.5°	9.6	9.8	19.2	29.2	49.3	34.2	27.6	41.8	53.9	47.8
85°	4.0	4.4	11.8	13.8	23.6	17.0	11.2	17.6	20.0	17.8
87.5°	0.4	0.6	3.6	2.6	2.8	3.4	1.6	3.4	2.8	2.8
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°
459.7	0°	459.7	459.7	459.7	459.7	459.7	459.7	459.7	459.7	459.7	459.7
466.5	2.5°	462.7	459.7	452.1	443.3	431.8	426.2	418.6	413.4	409.0	409.4
478.1	5°	471.7	464.1	447.1	426.0	399.6	380.8	360.8	347.0	335.9	333.5
494.1	7.5°	484.1	472.1	442.3	404.2	359.6	325.9	295.7	276.3	262.5	258.1
513.5	10°	500.1	482.7	436.1	376.8	312.7	269.7	237.4	222.2	212.8	209.6
536.2	12.5°	518.7	494.9	428.0	343.4	264.3	223.0	202.4	194.8	191.8	190.8
564.2	15°	542.0	510.1	415.6	303.9	223.4	194.4	185.6	184.6	185.0	184.6
597.8	17.5°	569.8	526.7	395.4	263.1	195.8	179.8	176.6	177.4	178.4	178.2
635.3	20°	600.2	543.0	369.6	227.0	177.0	169.4	167.6	168.4	169.2	168.8
678.7	22.5°	634.7	560.6	341.0	198.8	164.4	159.8	157.8	158.0	158.0	157.2
733.6	25°	676.1	580.0	311.1	178.8	154.8	151.2	148.8	148.0	146.8	144.5
800.4	27.5°	725.4	600.6	282.3	164.8	147.2	143.9	141.1	139.1	136.1	132.1
880.5	30°	781.0	625.6	257.9	156.0	141.3	137.9	134.7	131.7	127.3	122.3
972.6	32.5°	846.3	652.3	240.2	150.2	135.9	132.3	128.5	124.9	120.1	115.1
1076.1	35°	924.2	684.7	229.8	146.2	131.7	126.9	122.7	118.7	115.1	110.7
1188.6	37.5°	1008.8	719.1	226.6	144.3	128.9	121.5	116.7	113.9	113.5	110.9
1310.2	40°	1101.3	759.8	229.0	143.1	125.9	116.3	111.1	110.5	111.5	106.9
1440.3	42.5°	1199.2	808.2	233.0	141.7	121.7	111.1	106.1	106.1	105.3	98.9
1577.8	45°	1305.0	863.9	237.0	138.3	116.7	105.9	102.1	100.7	97.3	91.1
1716.0	47.5°	1411.7	920.6	240.0	132.1	110.7	101.5	98.1	94.9	89.9	84.3
1851.7	50°	1513.0	971.6	236.8	122.9	103.9	97.3	93.7	89.3	83.9	80.1
1980.1	52.5°	1603.5	1015.7	223.2	112.1	96.7	92.9	89.7	85.1	80.7	76.7
2096.0	55°	1682.3	1051.5	199.2	101.9	90.3	89.1	85.9	80.1	74.1	70.7
2210.9	57.5°	1757.8	1078.7	169.2	93.5	84.5	84.9	80.1	74.9	69.3	65.7
2365.7	60°	1858.3	1115.0	138.9	85.7	78.3	79.5	74.3	70.5	63.5	58.9
2631.3	62.5°	2018.9	1171.6	110.3	76.1	71.1	71.5	69.3	64.7	56.3	50.9
2828.1	65°	2146.4	1150.8	86.9	65.7	62.9	63.5	63.5	58.5	49.5	43.4
2838.7	67.5°	2132.0	985.4	69.3	55.5	55.1	55.5	56.9	52.7	44.0	39.0
2622.5	70°	1964.0	783.8	55.5	46.2	48.0	47.0	50.9	48.2	39.6	34.6
2033.1	72.5°	1602.5	564.6	42.4	38.2	36.8	38.4	46.0	43.4	33.0	27.4
1076.9	75°	936.4	301.3	31.6	30.2	26.6	32.0	40.8	37.0	25.2	20.2
330.1	77.5°	304.9	105.1	23.2	22.2	19.8	25.8	34.8	31.2	20.6	16.0
96.7	80°	81.7	31.8	15.8	14.6	12.8	19.2	27.6	24.8	14.8	10.4
41.6	82.5°	32.8	13.4	9.2	8.2	7.0	13.2	21.8	20.0	11.0	6.6
13.0	85°	10.6	4.4	3.4	2.6	3.2	8.2	13.0	13.6	7.8	3.4
2.0	87.5°	1.4	0.6	0.6	0.8	0.6	1.4	4.0	3.8	2.2	0.4
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°
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459.7
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