

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: P845805

Luminaire Tested: **GLAN-SB1A-850-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845805
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-SB1A-850-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 5000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH
HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2814 lumens
Efficiency: N/A
Efficacy: 91.1 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

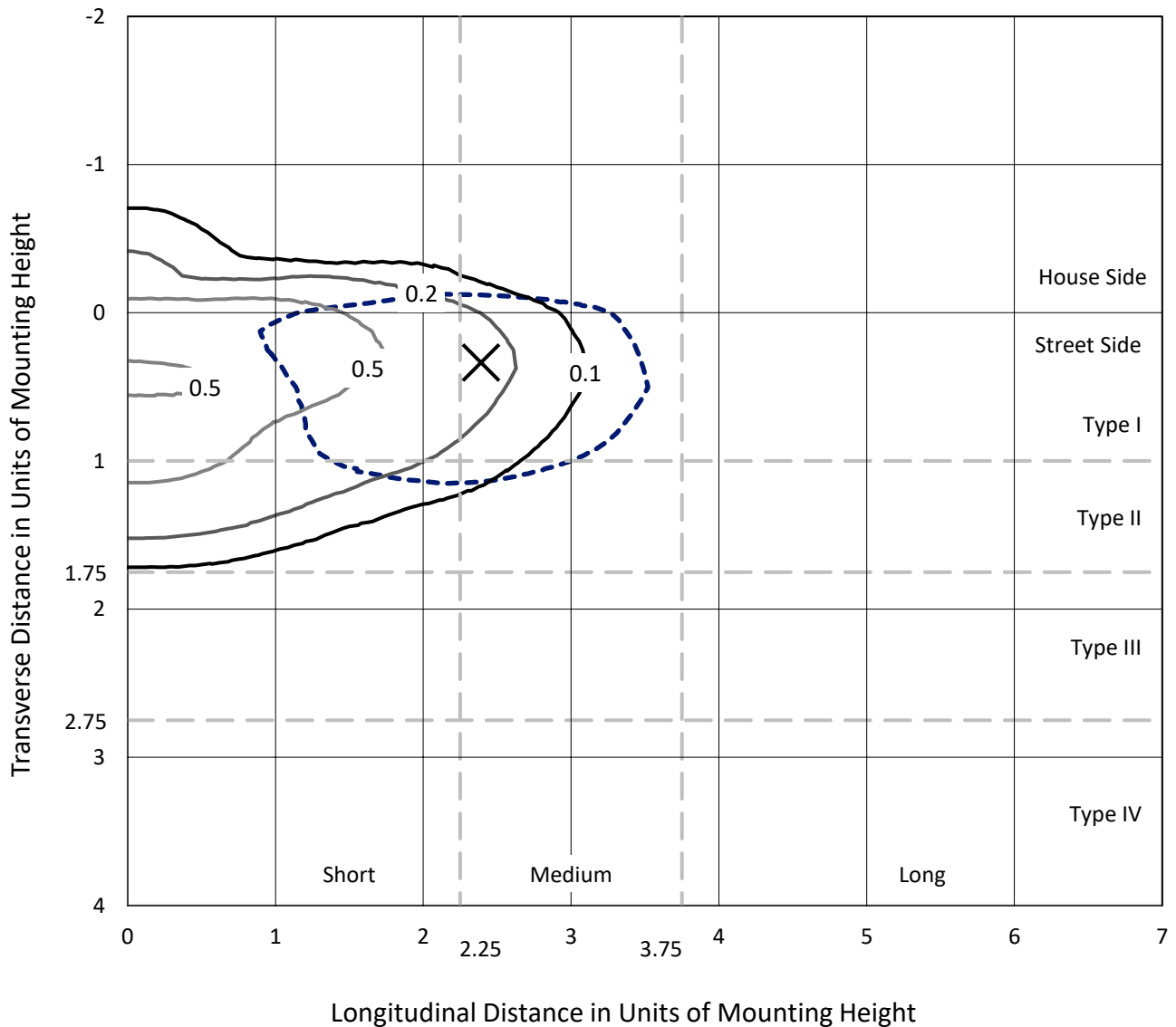
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

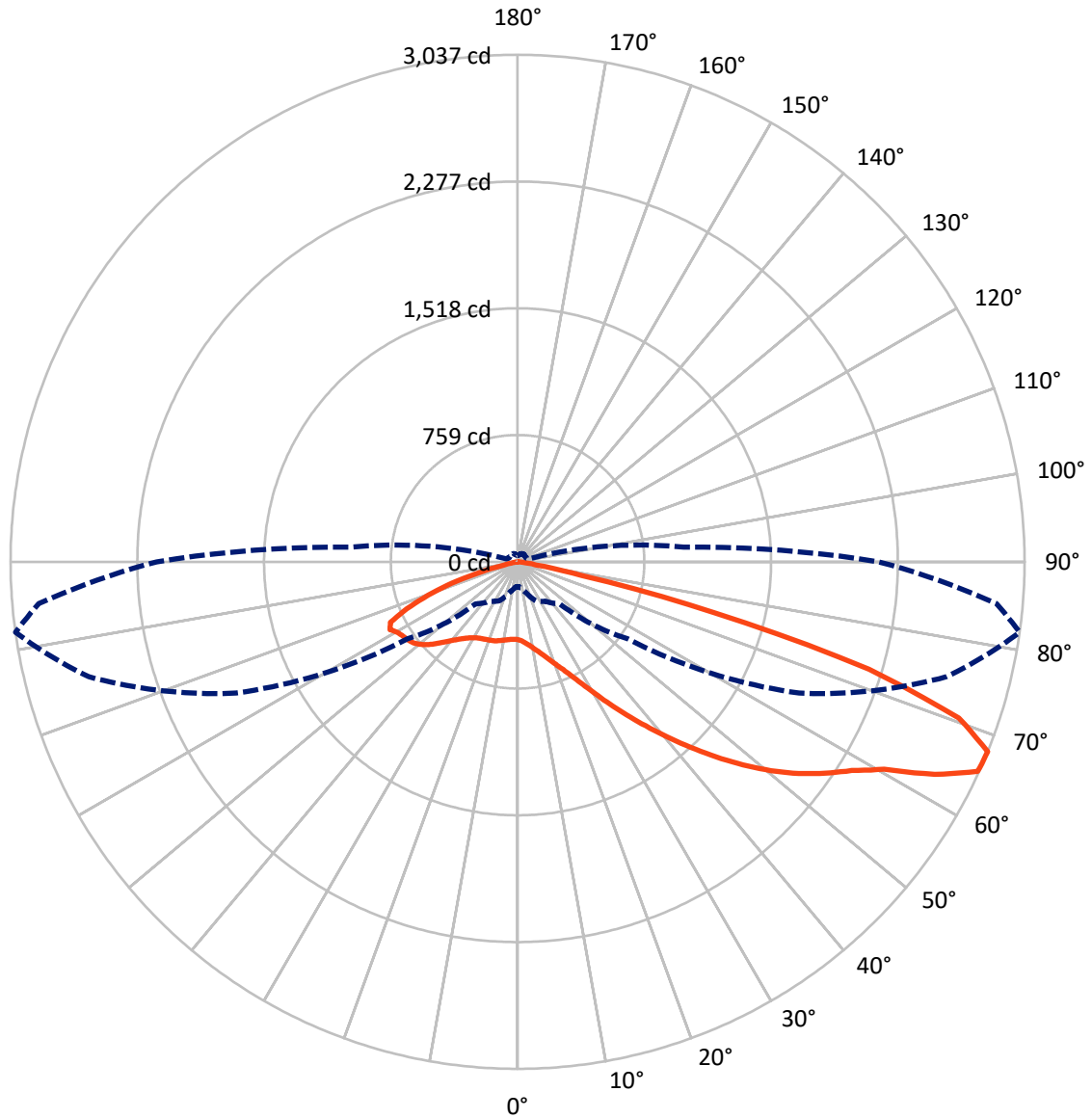
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	509.7	0.0	509.7
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	2304.3	0.0	2304.3
	% Fixture	81.9	0.0	81.9
Total	Lumens	2814.0	0.0	2814.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.5	1.5
10°-20°	107.9	3.8
20°-30°	172.9	6.1
30°-40°	305.7	10.9
40°-50°	535.6	19.0
50°-60°	714.3	25.4
60°-70°	665.0	23.6
70°-80°	255.2	9.1
80°-90°	15.8	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°	2814.0	100.0
0°-180°	2814.0	100.0

Coefficient of Utilization

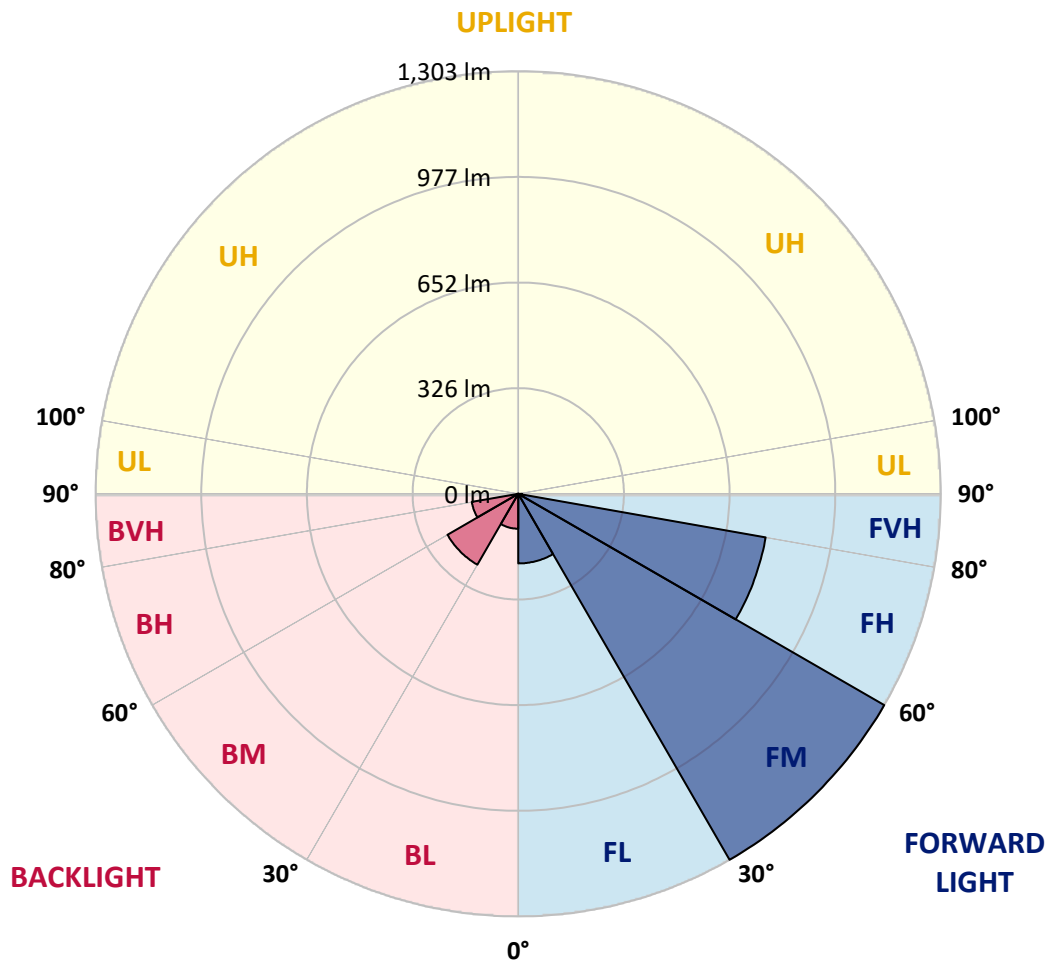


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	214.7	7.6			
FM (30°-60°)	1303.3	46.3			
FH (60°-80°)	774.7	27.5			G1/1800
FVH (80°-90°)	11.5	0.4			G1/100
BL (0°-30°)	107.7	3.8	B0/110		
BM (30°-60°)	252.3	9.0	B1/1000		
BH (60°-80°)	145.5	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°	466.2	466.2	466.2	466.2	466.2	466.2	466.2	466.2	466.2	466.2
2.5°	492.7	495.6	493.9	493.1	491.7	489.7	488.1	483.0	477.7	474.3
5°	502.7	505.5	505.3	506.1	507.1	507.7	507.3	501.6	494.1	488.3
7.5°	494.1	497.4	500.0	504.1	511.2	518.7	522.3	521.1	513.4	505.3
10°	470.0	473.5	479.8	489.3	504.3	520.5	534.1	540.3	535.5	526.6
12.5°	425.9	429.3	441.7	462.3	487.5	515.6	541.6	558.4	559.6	550.7
15°	376.2	379.7	392.8	418.8	457.1	502.2	545.6	577.4	588.2	580.5
17.5°	345.4	348.5	358.4	379.3	419.2	475.5	544.2	597.7	622.2	616.1
20°	336.1	338.7	343.4	358.0	391.2	447.7	534.9	616.7	658.9	655.4
22.5°	346.0	348.5	349.9	356.4	377.2	429.5	523.1	636.2	701.4	701.8
25°	368.9	371.4	369.7	373.8	382.9	423.8	518.7	659.1	754.9	759.3
27.5°	406.6	406.8	403.0	402.8	404.2	432.4	523.3	683.6	822.4	830.7
30°	482.2	479.2	464.4	448.4	441.1	457.9	536.3	712.5	902.0	916.8
32.5°	598.7	594.2	567.1	528.8	490.3	499.0	559.6	745.6	988.7	1015.4
35°	725.1	723.9	695.5	638.6	571.3	557.6	597.5	788.9	1083.3	1125.9
37.5°	842.6	842.0	825.8	758.7	676.9	639.2	658.3	845.7	1184.6	1246.2
40°	950.0	951.8	935.6	875.6	793.2	744.0	740.9	915.8	1297.3	1377.3
42.5°	1042.8	1044.8	1028.4	984.0	908.1	859.8	842.4	1001.7	1407.3	1518.1
45°	1105.8	1118.4	1115.9	1080.5	1026.0	975.9	964.4	1109.4	1532.7	1667.4
47.5°	1123.6	1135.2	1153.4	1158.3	1125.0	1075.8	1089.6	1239.3	1659.5	1816.9
50°	1079.7	1090.4	1128.3	1178.7	1201.8	1186.6	1211.4	1378.5	1789.4	1966.0
52.5°	992.9	1003.9	1051.7	1131.5	1225.7	1273.5	1333.5	1515.7	1915.2	2107.3
55°	867.5	879.1	940.5	1030.8	1180.1	1309.4	1435.4	1652.6	2030.5	2234.3
57.5°	696.9	705.5	769.3	895.7	1065.5	1273.8	1510.6	1802.1	2139.1	2359.1
60°	454.2	461.7	535.9	676.9	875.4	1154.6	1525.6	1968.9	2283.3	2521.4
62.5°	302.1	307.1	351.1	454.6	616.5	925.9	1437.9	2102.0	2494.8	2803.8
65°	207.3	212.3	256.3	328.4	398.3	612.5	1185.6	2084.4	2686.5	3028.1
67.5°	147.9	152.2	189.4	257.5	288.3	355.8	803.7	1859.1	2658.9	3036.6
70°	106.0	108.4	139.2	200.6	229.1	213.7	446.9	1421.9	2328.1	2804.0
72.5°	74.2	75.0	96.6	152.8	184.6	156.0	212.7	948.0	1760.8	2200.9
75°	50.2	51.3	65.0	112.0	148.1	119.1	112.6	508.3	1033.7	1218.2
77.5°	30.8	31.2	41.9	76.6	110.8	90.8	72.5	215.4	399.9	392.6
80°	17.4	17.4	26.7	47.6	75.6	58.6	50.9	91.6	126.6	111.2
82.5°	9.7	9.9	19.4	29.6	50.0	34.6	28.0	42.3	54.7	48.4
85°	4.1	4.5	12.0	14.0	23.9	17.2	11.3	17.8	20.3	18.0
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°
466.2	0°	466.2	466.2	466.2	466.2	466.2	466.2	466.2	466.2	466.2	466.2
473.1	2.5°	469.2	466.2	458.5	449.6	437.8	432.1	424.4	419.2	414.7	415.1
484.8	5°	478.3	470.6	453.4	431.9	405.2	386.2	365.9	351.9	340.6	338.1
501.0	7.5°	490.9	478.7	448.6	409.9	364.7	330.4	299.8	280.2	266.2	261.8
520.7	10°	507.1	489.5	442.3	382.1	317.1	273.5	240.7	225.3	215.8	212.5
543.8	12.5°	526.0	501.8	434.0	348.3	268.0	226.1	205.2	197.5	194.5	193.5
572.1	15°	549.7	517.2	421.4	308.2	226.5	197.1	188.2	187.2	187.6	187.2
606.2	17.5°	577.8	534.1	400.9	266.8	198.5	182.3	179.1	179.9	180.9	180.7
644.3	20°	608.6	550.7	374.8	230.2	179.5	171.8	170.0	170.8	171.6	171.2
688.2	22.5°	643.7	568.5	345.8	201.6	166.7	162.1	160.1	160.3	160.3	159.4
744.0	25°	685.6	588.2	315.4	181.3	157.0	153.4	150.9	150.1	148.9	146.5
811.6	27.5°	735.6	609.0	286.3	167.1	149.3	145.9	143.0	141.0	138.0	133.9
892.9	30°	792.0	634.3	261.6	158.2	143.2	139.8	136.6	133.5	129.1	124.0
986.3	32.5°	858.2	661.5	243.5	152.4	137.8	134.1	130.3	126.6	121.8	116.7
1091.2	35°	937.2	694.3	233.0	148.3	133.5	128.7	124.4	120.3	116.7	112.2
1205.3	37.5°	1022.9	729.2	229.7	146.3	130.7	123.2	118.3	115.5	115.1	112.4
1328.7	40°	1116.7	770.5	232.2	145.1	127.6	117.9	112.6	112.0	113.1	108.4
1460.5	42.5°	1216.0	819.5	236.2	143.6	123.4	112.6	107.6	107.6	106.8	100.3
1599.9	45°	1323.4	876.0	240.3	140.2	118.3	107.4	103.5	102.1	98.7	92.4
1740.1	47.5°	1431.6	933.6	243.3	133.9	112.2	102.9	99.5	96.2	91.2	85.5
1877.7	50°	1534.3	985.2	240.1	124.6	105.4	98.7	95.0	90.6	85.1	81.2
2008.0	52.5°	1626.1	1030.0	226.3	113.7	98.1	94.2	91.0	86.3	81.9	77.8
2125.5	55°	1705.9	1066.3	202.0	103.3	91.6	90.4	87.1	81.2	75.2	71.7
2242.0	57.5°	1782.5	1093.8	171.6	94.8	85.7	86.1	81.2	76.0	70.3	66.7
2399.0	60°	1884.4	1130.7	140.8	86.9	79.4	80.6	75.4	71.5	64.4	59.8
2668.3	62.5°	2047.3	1188.1	111.8	77.2	72.1	72.5	70.3	65.6	57.1	51.7
2867.8	65°	2176.5	1167.0	88.1	66.7	63.8	64.4	64.4	59.4	50.2	44.0
2878.6	67.5°	2162.0	999.2	70.3	56.3	55.9	56.3	57.7	53.5	44.6	39.5
2659.3	70°	1991.6	794.8	56.3	46.8	48.6	47.6	51.7	48.8	40.1	35.0
2061.7	72.5°	1625.1	572.6	43.0	38.7	37.3	38.9	46.6	44.0	33.4	27.8
1092.0	75°	949.6	305.5	32.0	30.6	26.9	32.4	41.3	37.5	25.5	20.5
334.7	77.5°	309.2	106.6	23.5	22.5	20.1	26.1	35.3	31.6	20.9	16.2
98.1	80°	82.9	32.2	16.0	14.8	13.0	19.4	28.0	25.1	15.0	10.5
42.1	82.5°	33.2	13.6	9.3	8.3	7.1	13.4	22.1	20.3	11.1	6.7
13.2	85°	10.7	4.5	3.4	2.6	3.2	8.3	13.2	13.8	7.9	3.4
2.0	87.5°	1.4	0.6	0.6	0.8	0.6	1.4	4.1	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°
<hr/>
466.2
411.1
332.7
257.3
210.1
192.9
187.0
180.3
171.0
159.0
146.1
133.5
123.6
116.9
111.8
112.2
108.6
100.3
92.2
85.3
80.6
77.4
71.3
66.3
59.2
51.3
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