

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: P845706

Luminaire Tested: **GLAN-SB1A-727-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845706
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1A-727-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3954 lumens
Efficiency: N/A
Efficacy: 128.0 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

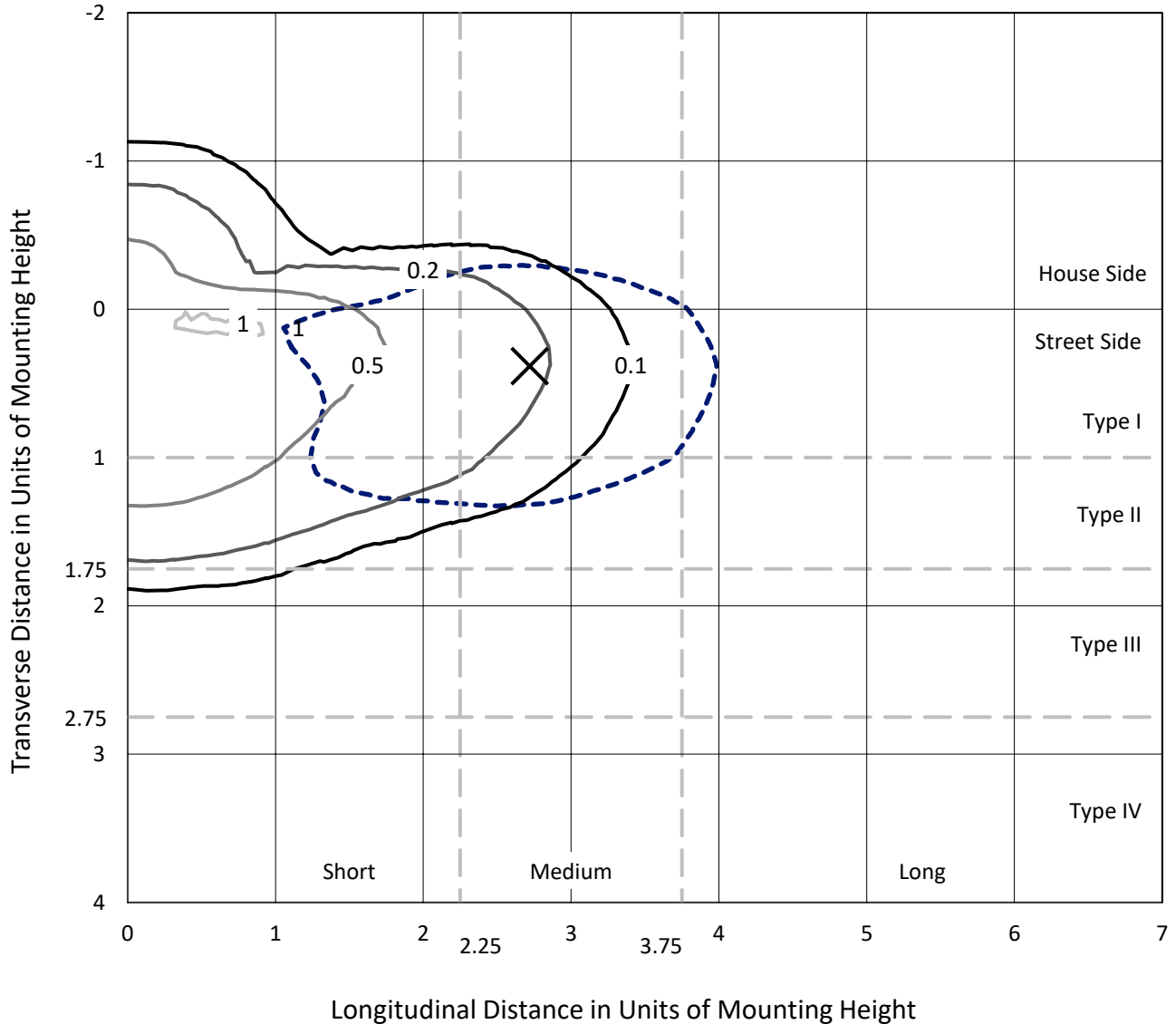
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

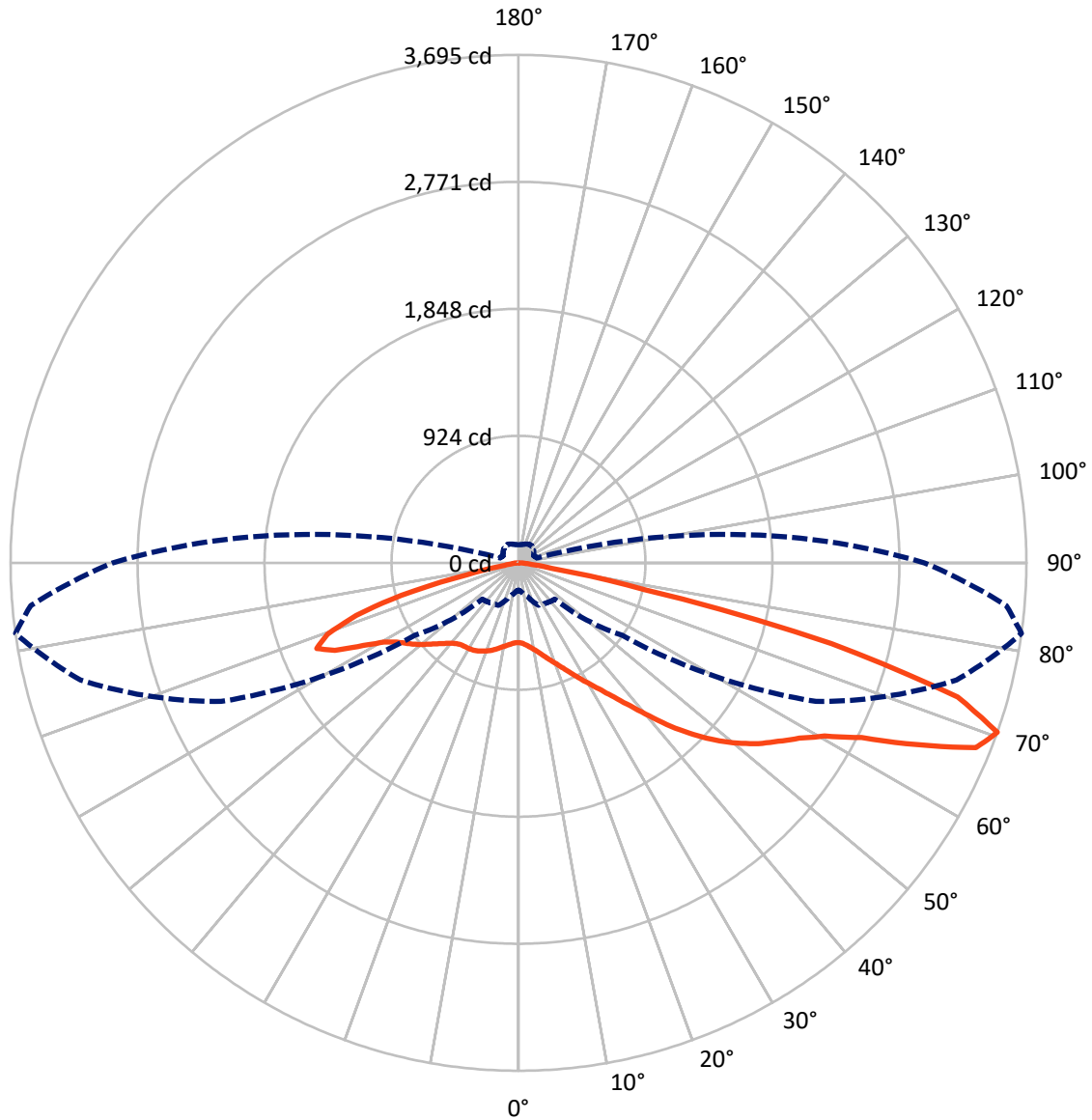
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	974.8	0.0	974.8
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	2979.2	0.0	2979.2
	% Fixture	75.3	0.0	75.3
Total	Lumens	3954.0	0.0	3954.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.7	1.4
10°-20°	157.3	4.0
20°-30°	263.1	6.7
30°-40°	411.0	10.4
40°-50°	654.5	16.6
50°-60°	910.9	23.0
60°-70°	952.8	24.1
70°-80°	498.0	12.6
80°-90°	51.7	1.3
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°	3954.0	100.0
0°-180°	3954.0	100.0

Coefficient of Utilization

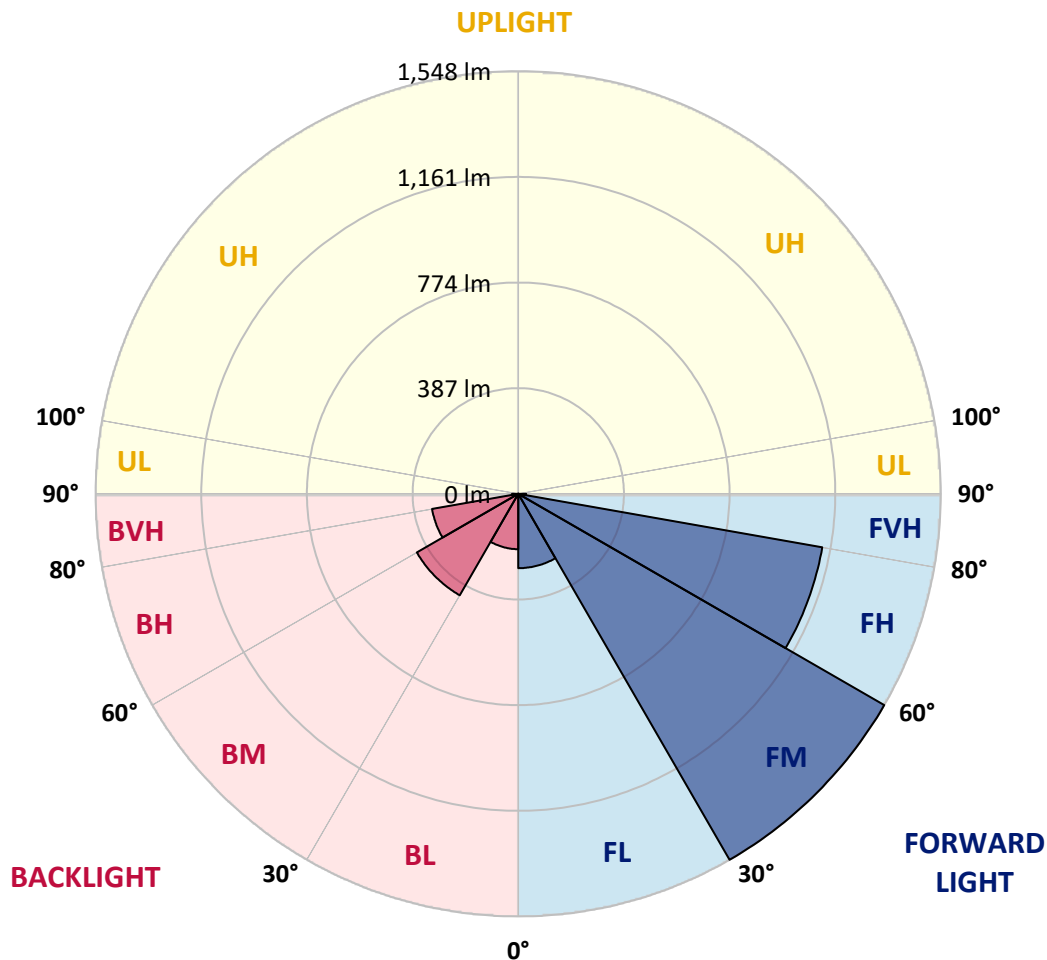


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	272.3	6.9			
FM (30°-60°)	1547.6	39.1			
FH (60°-80°)	1130.5	28.6			G1/1800
FVH (80°-90°)	28.9	0.7			G1/100
BL (0°-30°)	202.8	5.1	B1/500		
BM (30°-60°)	428.9	10.8	B1/1000		
BH (60°-80°)	320.4	8.1	B1/500		G1/500
BVH (80°-90°)	22.8	0.6			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	579.7	579.7	579.7	579.7	579.7	579.7	579.7	579.7	579.7	579.7
2.5°	593.6	596.9	595.9	594.8	594.8	593.3	593.1	591.0	589.4	586.6
5°	601.1	604.7	604.3	605.1	607.8	608.4	609.1	607.8	604.5	601.1
7.5°	594.4	598.4	599.6	604.7	613.1	620.6	626.3	628.6	625.4	620.6
10°	571.7	576.1	580.5	592.5	607.4	625.2	640.3	649.4	648.7	644.1
12.5°	525.8	530.4	539.8	563.1	590.4	621.9	650.0	668.9	675.4	672.0
15°	489.1	493.1	500.2	524.1	559.6	607.4	653.6	690.3	706.9	705.0
17.5°	488.0	489.7	494.1	505.4	532.7	584.7	649.8	711.3	742.9	742.7
20°	506.5	507.1	509.6	511.9	527.5	567.5	640.1	728.7	783.4	783.4
22.5°	532.1	531.7	534.2	532.1	539.6	566.1	634.0	744.0	828.5	831.9
25°	570.5	568.4	567.7	562.9	564.4	579.7	640.8	761.4	882.0	889.0
27.5°	621.7	618.3	616.0	604.9	601.1	607.8	661.3	782.4	941.6	953.6
30°	688.4	682.3	678.9	659.6	646.0	647.1	692.4	810.3	1003.9	1023.2
32.5°	779.4	770.0	761.0	729.3	704.3	696.2	732.4	848.9	1071.5	1102.3
35°	881.4	873.9	864.2	815.3	776.9	758.0	786.6	902.8	1150.6	1199.5
37.5°	979.6	973.1	977.7	911.8	862.3	834.8	857.5	975.2	1248.2	1320.3
40°	1081.2	1076.1	1076.7	1013.8	956.1	925.3	943.5	1066.0	1360.0	1464.1
42.5°	1191.5	1187.7	1175.1	1119.3	1054.5	1025.8	1042.5	1171.0	1480.0	1627.7
45°	1315.1	1312.8	1301.0	1237.0	1162.8	1130.5	1153.1	1286.8	1600.6	1781.7
47.5°	1421.9	1423.8	1422.3	1368.4	1291.4	1244.0	1271.0	1407.6	1712.9	1926.5
50°	1473.3	1483.1	1497.6	1480.8	1433.0	1384.7	1390.0	1524.3	1819.9	2062.2
52.5°	1446.4	1465.1	1504.5	1531.4	1549.9	1539.8	1525.7	1640.1	1920.6	2184.8
55°	1346.4	1372.6	1438.0	1502.9	1597.1	1670.3	1688.8	1768.5	2018.8	2292.6
57.5°	1164.0	1206.6	1265.4	1396.5	1555.1	1733.5	1878.9	1946.6	2122.9	2407.8
60°	851.4	908.5	981.5	1176.6	1408.2	1699.7	2040.6	2220.2	2270.8	2557.0
62.5°	544.9	580.1	647.3	831.1	1097.3	1526.6	2090.1	2562.2	2521.5	2801.6
65°	373.0	395.7	457.2	560.4	709.4	1136.3	1957.5	2818.6	2919.7	3189.3
67.5°	271.1	288.3	340.7	431.2	462.2	672.4	1519.0	2806.8	3306.8	3588.8
70°	197.6	209.8	253.9	340.7	355.6	374.1	920.2	2386.0	3298.4	3695.0
72.5°	146.4	154.8	184.4	264.4	287.9	252.6	455.5	1734.1	2834.3	3342.1
75°	106.0	112.2	134.1	202.3	230.4	192.4	227.2	1013.4	1977.0	2350.9
77.5°	81.0	85.8	100.1	148.1	184.4	144.3	141.0	466.2	937.4	942.0
80°	65.0	68.2	76.0	104.3	141.4	108.1	91.9	188.2	296.3	250.7
82.5°	47.8	53.1	64.2	73.2	101.1	74.5	56.0	95.0	112.7	96.9
85°	27.3	30.8	38.8	52.5	64.6	45.5	32.1	42.2	52.5	43.0
87.5°	9.7	12.6	13.6	20.6	28.1	18.9	12.4	12.2	17.2	12.8
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°
579.7	0°	579.7	579.7	579.7	579.7	579.7	579.7	579.7	579.7	579.7	579.7
586.0	2.5°	583.9	582.9	578.7	573.0	567.1	561.5	559.6	555.6	552.9	551.4
599.6	5°	595.7	592.3	582.4	569.8	556.6	542.4	532.3	523.1	516.3	510.0
618.3	7.5°	612.4	606.6	589.6	567.5	544.0	520.3	502.7	489.3	480.3	474.4
640.1	10°	631.9	622.9	596.9	564.0	527.7	493.7	472.9	461.4	455.7	452.6
665.1	12.5°	654.4	641.6	604.5	555.8	502.7	463.9	449.6	446.3	446.5	446.7
696.6	15°	682.1	664.3	610.5	538.0	470.2	441.0	438.5	444.0	449.6	452.4
732.2	17.5°	713.4	688.2	611.6	508.6	438.3	426.3	434.3	446.1	454.7	458.4
772.1	20°	746.9	712.5	604.0	467.0	412.1	414.4	428.6	443.7	453.2	458.0
817.6	22.5°	785.3	738.5	586.0	423.4	390.7	401.4	418.2	432.8	442.7	447.5
871.1	25°	829.2	767.7	557.7	386.7	372.2	386.7	403.5	415.6	423.6	428.0
930.9	27.5°	877.8	798.1	519.9	357.5	356.0	371.6	385.4	394.9	399.1	402.4
994.5	30°	926.7	825.8	474.2	335.5	342.0	356.7	366.5	370.7	372.0	372.6
1065.4	32.5°	979.6	849.7	426.1	317.2	328.6	342.2	348.1	350.0	344.1	340.1
1151.4	35°	1043.6	875.3	379.1	302.8	315.3	327.1	329.0	327.3	320.4	312.2
1259.3	37.5°	1122.7	907.2	341.6	292.5	303.0	310.7	308.4	308.0	308.6	299.0
1388.9	40°	1219.6	948.8	314.1	284.5	292.9	294.6	288.1	291.6	294.8	280.1
1531.2	42.5°	1327.3	998.9	296.7	279.0	284.5	280.5	270.4	274.4	274.0	254.7
1674.1	45°	1437.0	1053.5	290.6	275.1	276.7	268.8	257.6	258.7	249.9	232.5
1811.1	47.5°	1546.1	1112.0	294.4	271.7	267.1	258.1	249.5	244.8	231.8	218.8
1942.4	50°	1653.1	1173.5	308.2	265.0	253.9	248.6	242.3	234.1	220.3	209.2
2066.6	52.5°	1752.3	1235.4	323.7	253.9	237.3	240.4	236.5	227.0	213.4	202.0
2184.1	55°	1846.3	1297.3	329.8	238.6	221.8	233.3	231.0	213.6	197.2	188.0
2307.1	57.5°	1948.7	1371.7	323.1	219.0	209.2	225.1	216.3	197.0	187.6	180.6
2467.2	60°	2090.5	1488.6	308.6	194.9	197.2	213.0	197.9	189.9	179.6	171.8
2707.2	62.5°	2326.2	1706.6	285.3	171.0	183.2	194.9	189.0	181.1	170.6	163.0
3117.6	65°	2674.5	2009.6	241.5	152.3	167.4	177.3	179.6	171.6	160.7	152.7
3477.2	67.5°	2968.2	2199.7	182.7	136.8	151.3	163.0	169.5	161.8	150.2	142.5
3561.3	70°	2952.0	2061.6	139.5	121.5	137.0	149.0	157.4	151.3	138.9	131.6
3234.9	72.5°	2622.0	1724.6	112.9	106.0	122.5	134.3	144.3	139.7	127.1	120.0
2369.8	75°	1926.3	1224.2	90.2	90.2	104.5	119.0	130.1	127.1	115.6	110.6
994.9	77.5°	812.0	513.6	70.7	74.9	86.9	102.2	116.0	117.1	107.0	113.3
263.1	80°	215.9	141.6	53.9	59.0	68.2	84.3	100.9	100.5	89.6	83.7
97.8	82.5°	82.2	55.8	38.4	41.5	49.3	64.6	79.9	82.5	71.5	61.9
38.4	85°	31.7	23.9	23.7	25.0	28.7	42.8	60.4	62.5	53.9	45.7
10.7	87.5°	8.2	7.1	8.8	8.4	13.2	22.9	34.6	35.9	32.9	19.1
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>
579.7
553.1
512.6
475.6
453.4
447.1
452.1
459.3
459.3
448.8
429.3
403.7
374.1
341.4
312.6
299.6
280.5
254.5
233.1
218.8
208.3
202.3
187.2
180.0
171.4
163.0
153.2
142.7
132.2
120.0
109.1
102.8
77.8
61.9
47.2
27.3
0.0

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