

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: P845983

Luminaire Tested: **GLAN-SB1B-927-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845983
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-SB1B-927-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3596 lumens
Efficiency: N/A
Efficacy: 90.4 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

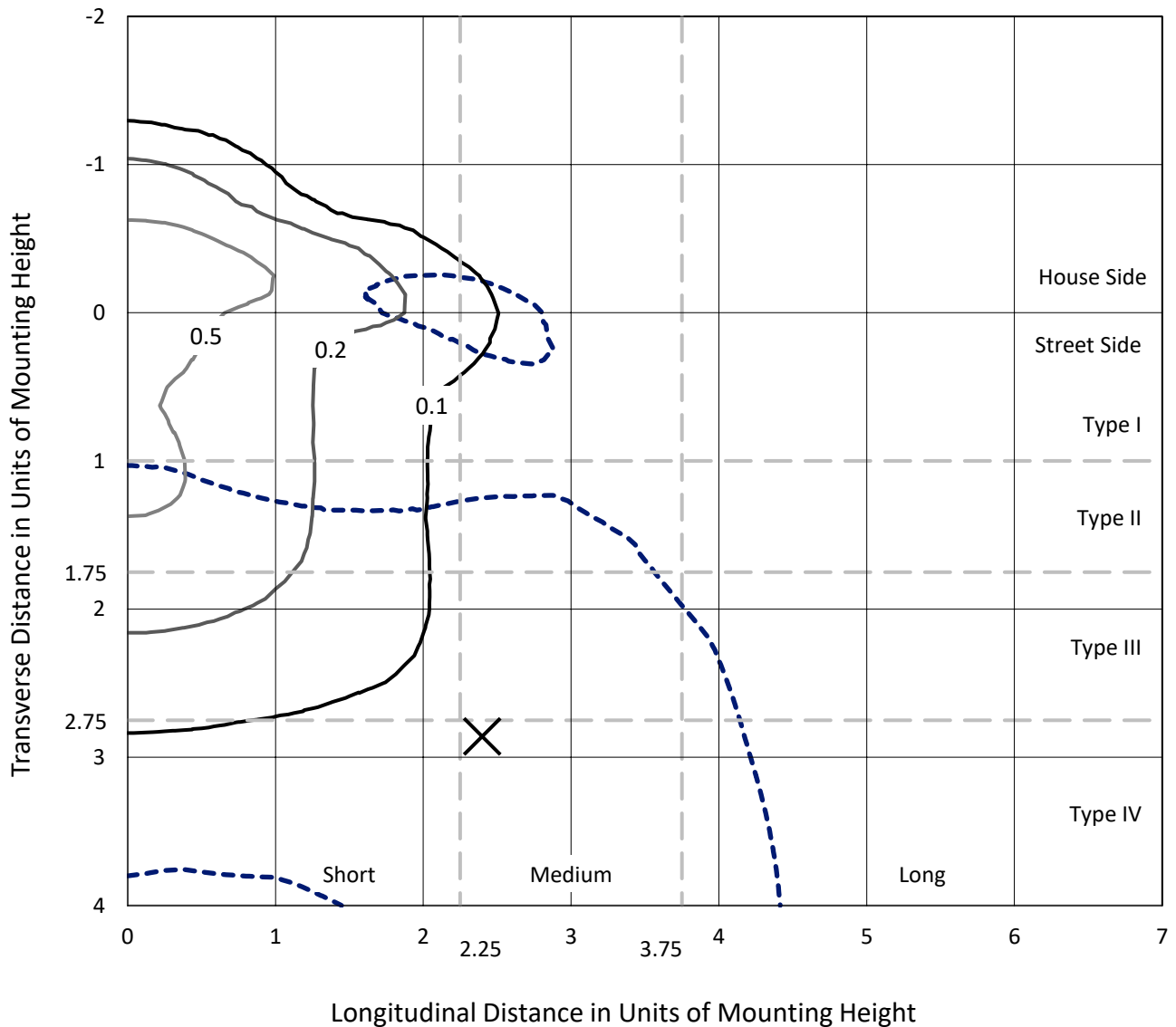
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

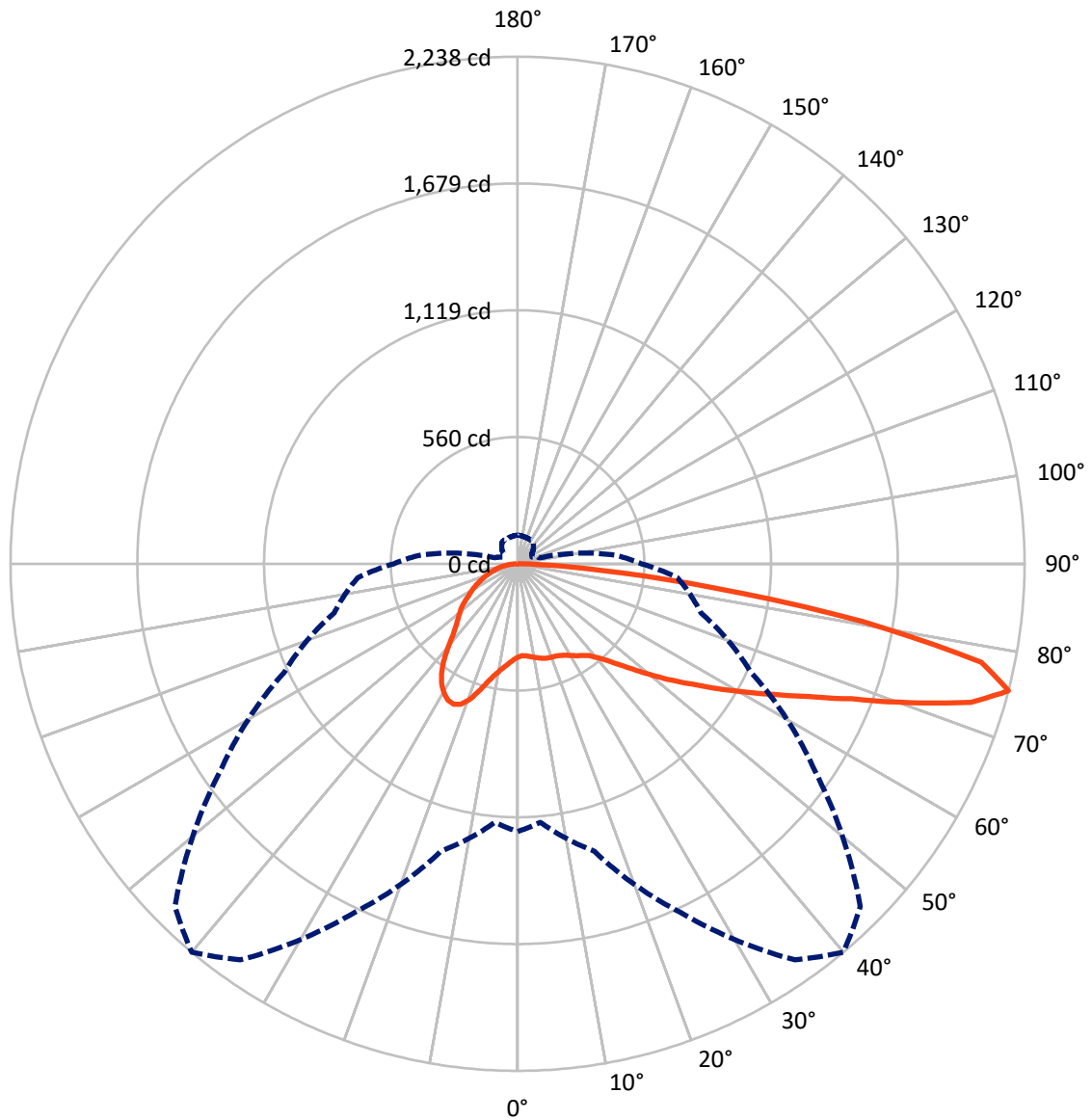
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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	1114.2	0.0	1114.2
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	2481.8	0.0	2481.8
	% Fixture	69.0	0.0	69.0
Total	Lumens	3596.0	0.0	3596.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.0	1.1
10°-20°	137.8	3.8
20°-30°	251.6	7.0
30°-40°	356.9	9.9
40°-50°	481.9	13.4
50°-60°	648.3	18.0
60°-70°	822.8	22.9
70°-80°	746.8	20.8
80°-90°	108.9	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°	3596.0	100.0
0°-180°	3596.0	100.0

Coefficient of Utilization

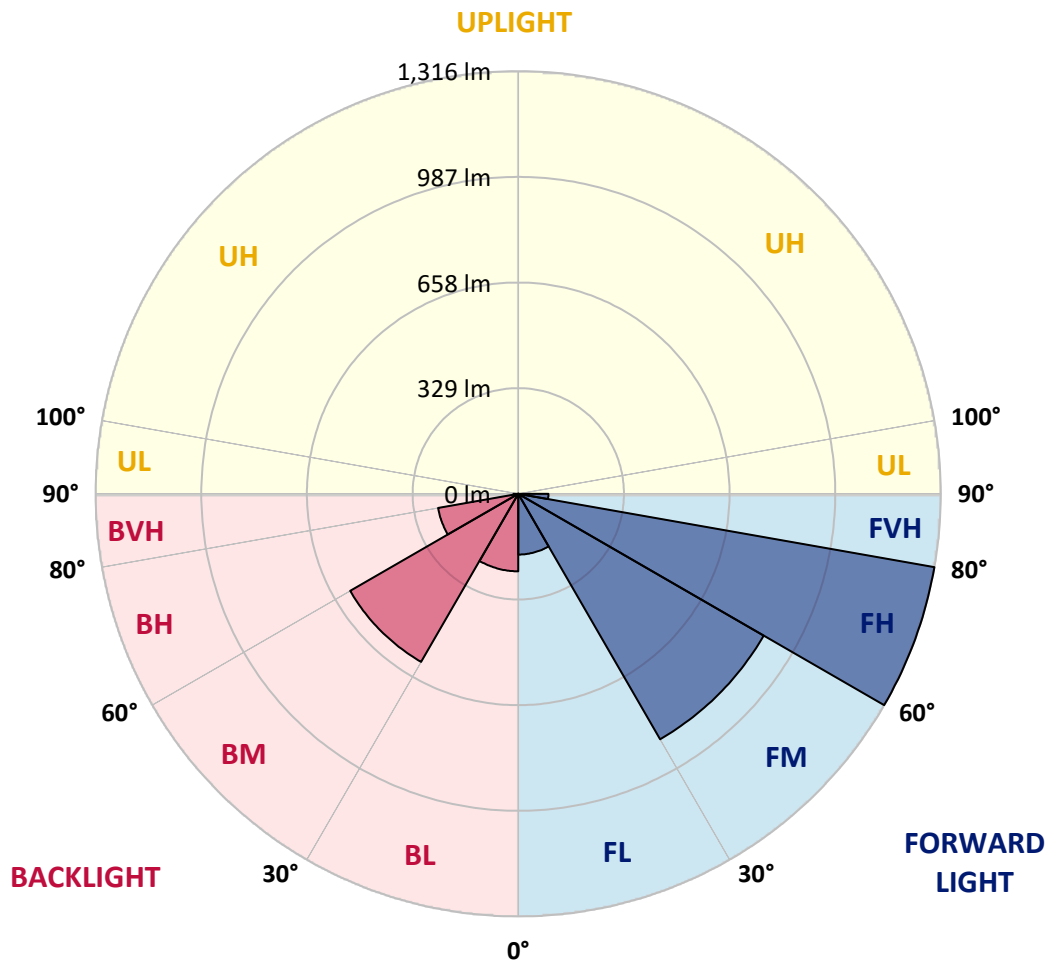


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	189.2	5.3			
FM (30°-60°)	882.7	24.5			
FH (60°-80°)	1316.1	36.6			G1/1800
FVH (80°-90°)	93.9	2.6			G1/100
BL (0°-30°)	241.3	6.7	B1/500		
BM (30°-60°)	604.3	16.8	B1/1000		
BH (60°-80°)	253.5	7.0	B1/500		G1/500
BVH (80°-90°)	15.0	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°	411.2	411.2	411.2	411.2	411.2	411.2	411.2	411.2	411.2	411.2
2.5°	404.9	407.2	406.6	405.9	405.9	406.1	405.9	407.2	408.5	409.9
5°	409.1	411.4	410.3	409.3	408.5	408.3	407.8	407.6	408.3	410.1
7.5°	417.3	419.6	417.9	416.2	414.6	413.9	413.1	412.0	411.4	412.4
10°	426.5	428.8	426.7	423.6	421.1	420.2	419.4	418.3	417.5	418.1
12.5°	435.6	437.9	435.0	430.9	427.6	427.0	426.1	425.7	425.5	425.3
15°	444.2	446.1	442.5	437.5	434.1	433.1	432.2	432.8	433.7	434.9
17.5°	450.9	452.8	447.4	441.0	437.7	437.3	436.8	438.7	441.3	444.2
20°	457.0	458.9	452.0	443.2	439.4	439.4	439.6	443.6	447.4	451.6
22.5°	465.6	467.1	458.7	446.7	441.2	441.5	443.1	447.1	451.8	457.6
25°	478.3	479.5	469.2	453.2	446.9	448.0	449.4	451.3	455.8	462.5
27.5°	498.9	499.9	486.4	464.6	455.1	457.0	458.9	457.6	459.7	465.4
30°	527.9	528.5	511.3	482.5	469.0	470.0	470.3	464.8	460.8	465.4
32.5°	562.3	562.1	541.7	504.3	484.8	483.9	480.6	469.8	460.4	464.4
35°	615.5	613.4	587.1	534.8	502.8	496.8	489.2	475.3	462.3	463.5
37.5°	703.6	697.1	660.7	584.8	529.5	514.4	503.1	484.3	466.5	463.1
40°	803.0	794.8	754.7	653.2	569.5	545.3	527.2	497.0	473.4	464.8
42.5°	920.8	909.2	866.1	733.9	620.2	585.2	557.9	513.2	483.5	470.3
45°	1065.6	1050.1	989.1	824.9	684.1	637.4	601.0	537.9	498.9	481.0
47.5°	1211.9	1215.7	1128.9	929.0	760.8	701.9	655.0	574.9	521.4	498.2
50°	1367.3	1370.0	1268.0	1044.4	847.8	774.7	715.6	616.2	552.7	522.6
52.5°	1488.6	1489.0	1394.2	1165.2	938.4	854.8	781.0	663.5	589.0	555.0
55°	1564.5	1563.6	1482.7	1279.4	1042.5	938.9	853.5	717.3	633.2	593.2
57.5°	1619.7	1616.8	1543.7	1377.6	1153.5	1038.3	935.5	778.4	685.5	638.6
60°	1640.6	1638.9	1585.1	1462.5	1270.2	1148.2	1030.1	846.6	744.8	692.1
62.5°	1648.6	1651.9	1625.8	1544.7	1395.2	1269.9	1134.1	928.3	811.5	752.8
65°	1676.9	1682.8	1677.4	1652.3	1536.3	1412.3	1272.0	1025.3	884.4	817.8
67.5°	1732.8	1738.7	1741.0	1781.0	1708.7	1589.9	1444.0	1146.3	969.7	885.4
70°	1731.4	1729.7	1770.1	1883.4	1924.6	1835.7	1675.9	1295.0	1071.3	941.4
72.5°	1576.0	1562.2	1657.8	1882.3	2104.3	2092.5	1959.1	1486.9	1159.0	948.3
75°	1182.3	1145.7	1314.5	1696.3	2134.2	2238.2	2139.2	1605.9	1138.3	837.9
77.5°	505.6	468.8	667.7	1255.7	1910.1	2092.3	1974.0	1401.1	908.6	554.1
80°	132.4	132.2	201.8	569.3	1299.0	1545.1	1355.5	904.8	519.2	198.0
82.5°	54.7	53.4	74.2	221.4	634.7	867.0	707.6	403.6	187.5	53.6
85°	20.4	20.2	36.0	76.5	223.9	357.6	258.8	103.2	46.7	26.1
87.5°	5.7	5.5	7.8	26.5	54.5	82.8	44.2	17.0	13.2	10.3
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°
411.2	0°	411.2	411.2	411.2	411.2	411.2	411.2	411.2	411.2	411.2	411.2
412.0	2.5°	412.5	413.5	415.2	416.5	418.3	420.2	422.8	424.6	426.3	427.4
412.9	5°	414.3	416.4	420.7	425.1	430.3	435.0	440.6	444.6	447.8	448.8
416.4	7.5°	418.1	421.5	428.9	436.4	444.6	452.4	460.4	467.3	472.8	474.9
422.5	10°	424.7	429.3	439.8	450.3	461.2	473.2	483.5	493.4	501.2	504.5
429.7	12.5°	433.1	438.9	452.6	467.1	482.2	498.8	512.1	524.3	534.0	538.4
439.8	15°	444.0	451.5	469.0	488.5	510.6	533.7	550.6	564.2	575.0	580.4
450.3	17.5°	455.8	465.8	487.9	517.3	548.9	579.2	599.1	609.0	620.2	625.4
460.0	20°	467.3	479.5	511.1	553.9	596.0	628.3	644.3	646.9	647.7	648.3
469.2	22.5°	479.1	495.5	540.3	600.0	645.2	667.5	669.8	658.4	642.4	634.9
478.2	25°	492.1	513.8	578.5	651.0	687.6	690.2	672.7	644.8	614.5	600.6
485.4	27.5°	504.7	535.0	624.2	699.6	718.1	694.6	656.9	617.4	580.8	566.1
490.5	30°	517.3	559.2	674.8	742.1	732.0	683.8	631.9	587.8	551.0	535.6
495.1	32.5°	530.0	587.4	733.0	772.8	729.5	660.7	600.8	554.6	522.2	506.0
499.1	35°	544.5	622.2	788.1	789.6	712.9	626.7	559.8	515.0	486.7	473.8
503.9	37.5°	563.4	666.2	836.7	793.8	683.9	576.9	508.9	468.0	444.8	438.9
511.0	40°	586.9	719.2	873.9	787.1	641.0	516.5	453.2	420.6	407.4	408.7
520.5	42.5°	617.4	778.5	900.0	770.0	581.3	454.1	404.3	389.8	396.1	401.5
534.8	45°	657.1	840.2	916.3	740.8	513.8	401.3	375.5	379.0	383.7	384.3
557.9	47.5°	707.8	902.5	926.9	696.7	445.0	364.1	357.2	358.0	357.0	353.0
592.4	50°	771.1	963.2	936.5	638.4	386.4	340.8	331.7	329.0	315.8	302.9
638.4	52.5°	843.2	1018.9	940.5	565.9	340.8	321.4	306.5	289.7	265.1	261.1
696.2	55°	923.3	1070.4	930.2	476.8	302.5	296.4	273.9	253.7	251.0	247.6
772.3	57.5°	1019.1	1125.9	909.2	377.4	263.2	267.2	245.3	247.6	242.8	237.5
870.1	60°	1123.8	1183.3	872.4	286.9	222.6	230.8	237.8	237.6	236.3	231.9
973.3	62.5°	1218.0	1221.0	799.9	219.7	186.9	202.6	221.8	221.6	220.5	218.0
1081.0	65°	1274.1	1215.3	679.0	173.0	157.5	179.3	200.1	201.6	201.8	201.6
1162.1	67.5°	1264.1	1148.4	513.1	137.7	133.3	155.6	178.5	180.6	182.1	182.5
1172.4	70°	1152.0	1001.3	334.5	109.9	111.8	134.8	158.1	160.2	161.5	163.1
1017.3	72.5°	897.9	736.2	191.5	88.9	92.9	116.9	137.9	140.4	141.1	144.0
708.0	75°	547.2	433.0	103.4	70.0	76.3	99.9	117.9	120.7	122.1	125.5
347.7	77.5°	260.2	187.5	58.9	54.5	61.4	81.6	99.6	102.8	99.2	101.1
95.9	80°	87.9	69.6	37.2	41.6	46.9	63.7	79.7	83.0	75.3	75.0
31.9	82.5°	30.7	28.2	23.7	27.7	30.3	45.6	60.3	64.5	56.1	55.9
14.3	85°	12.0	11.4	13.2	15.1	18.1	28.0	39.7	41.8	34.5	27.8
4.2	87.5°	2.5	2.7	3.2	3.4	5.5	9.7	14.3	17.5	13.9	11.8
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°
411.2
426.7
449.2
475.1
504.7
538.4
580.0
625.2
649.8
637.0
602.7
567.8
537.3
508.1
476.6
443.1
413.3
406.4
388.1
356.1
304.6
262.4
248.1
236.5
230.4
217.0
201.6
182.9
163.8
145.1
125.9
99.6
74.2
53.2
27.5
10.9
0.0

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