

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: P845703

Luminaire Tested: **GLAN-SB1A-727-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845703
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-SB1A-727-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3956 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 IV - Medium
BUG Rating: B1 - U0 - G2

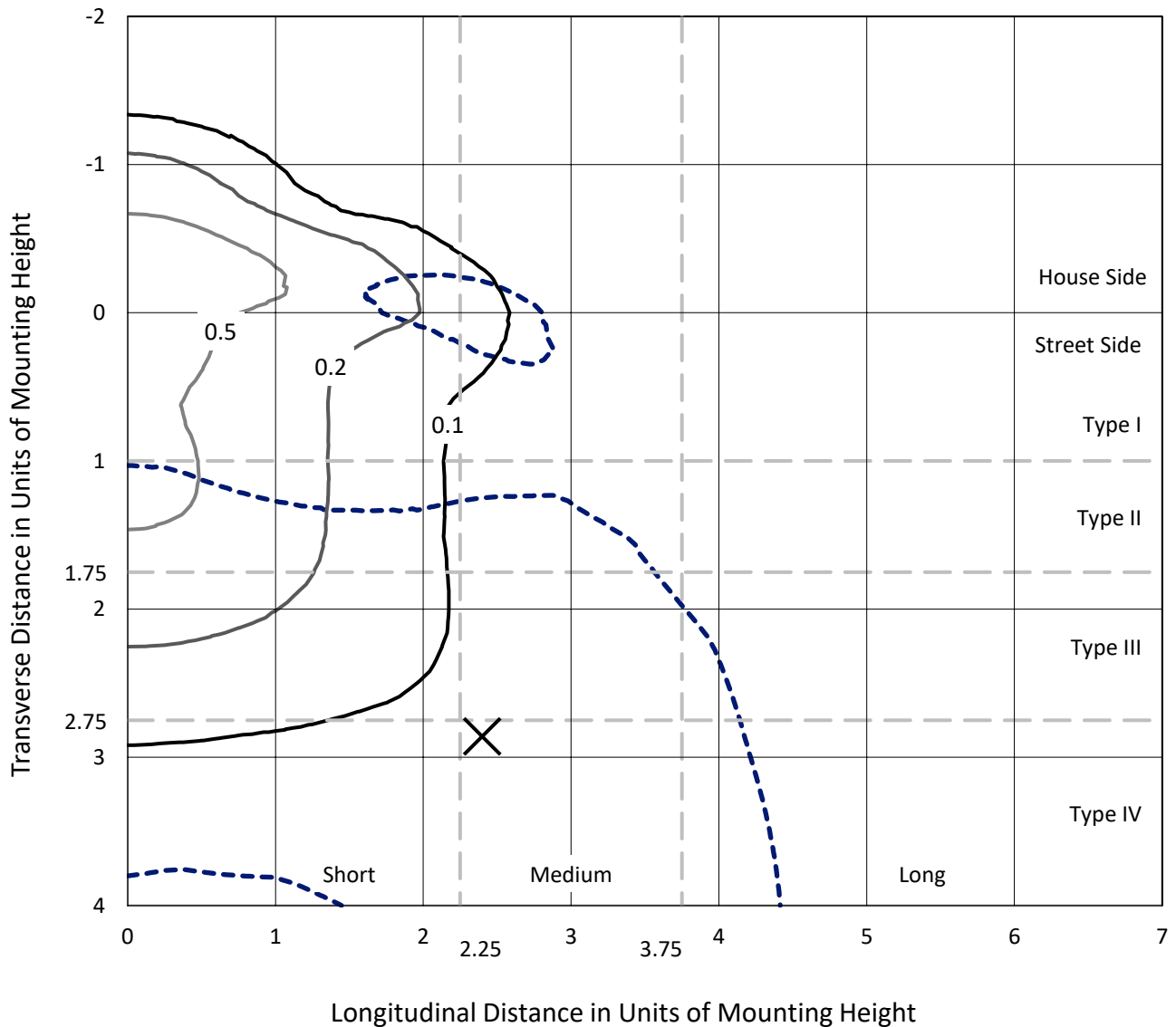
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

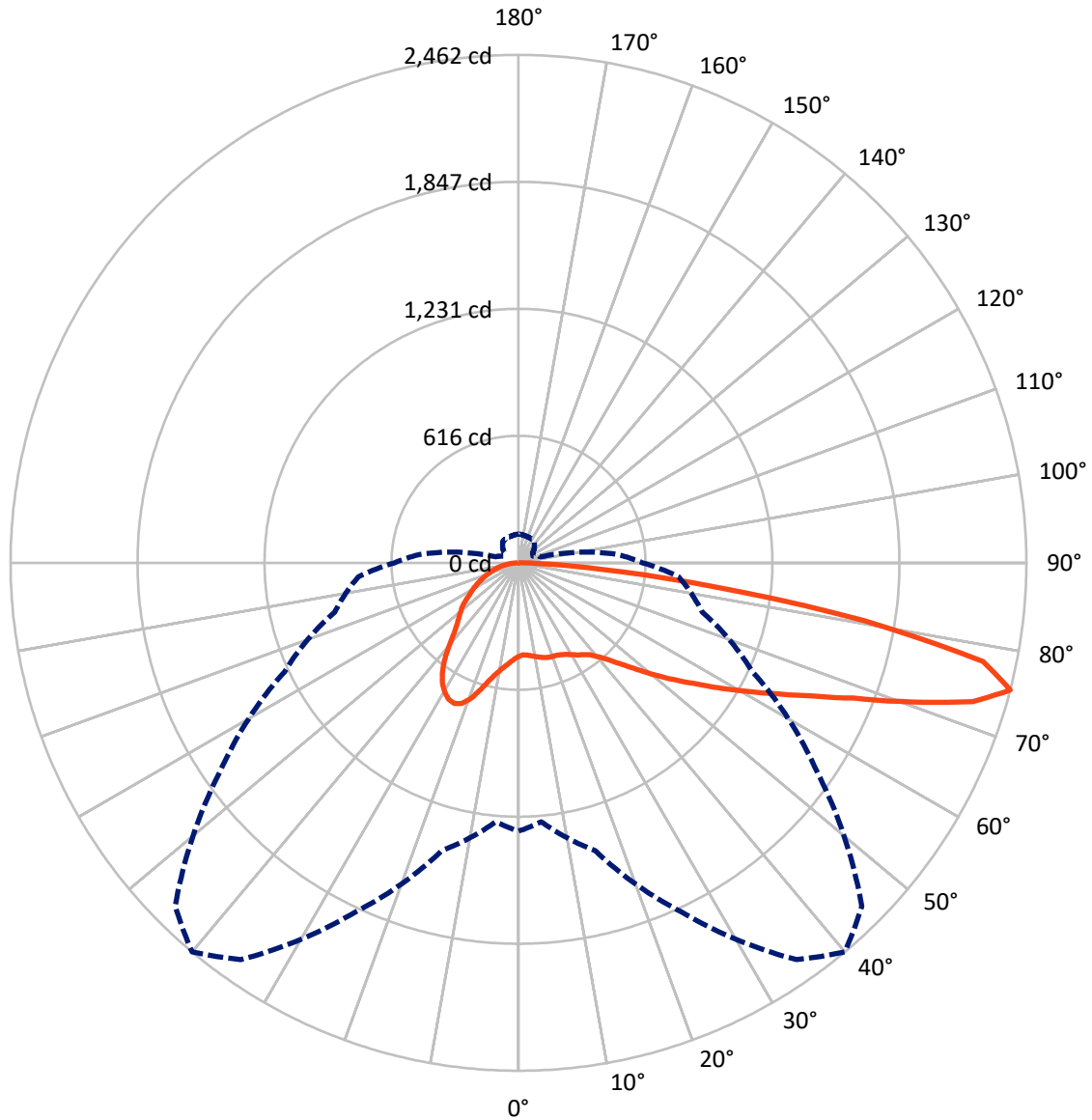
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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	1225.7	0.0	1225.7
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	2730.3	0.0	2730.3
	% Fixture	69.0	0.0	69.0
Total	Lumens	3956.0	0.0	3956.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.2	1.1
10°-20°	151.6	3.8
20°-30°	276.8	7.0
30°-40°	392.6	9.9
40°-50°	530.1	13.4
50°-60°	713.2	18.0
60°-70°	905.2	22.9
70°-80°	821.5	20.8
80°-90°	119.7	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°	3956.0	100.0
0°-180°	3956.0	100.0

Coefficient of Utilization

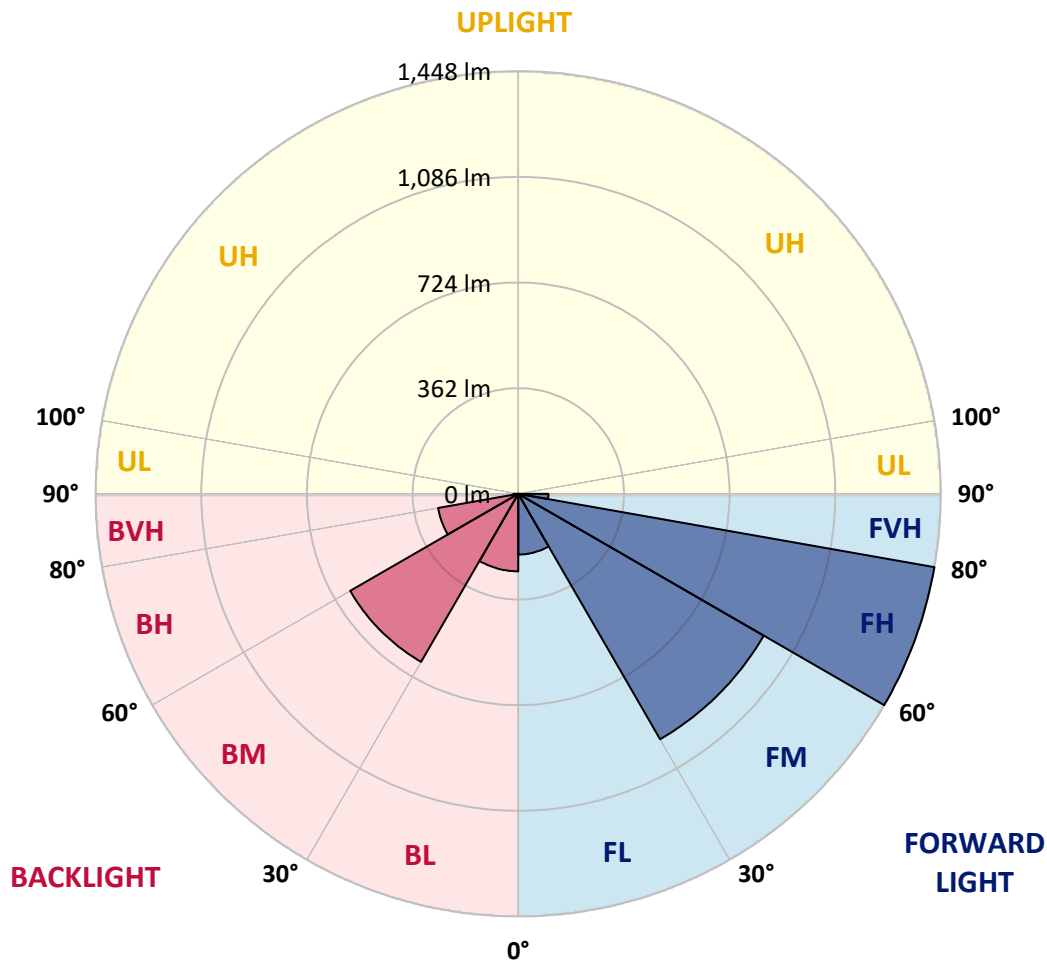


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	208.1	5.3			
FM (30°-60°)	971.1	24.5			
FH (60°-80°)	1447.8	36.6			G1/1800
FVH (80°-90°)	103.3	2.6			G2/225
BL (0°-30°)	265.5	6.7	B1/500		
BM (30°-60°)	664.8	16.8	B1/1000		
BH (60°-80°)	278.9	7.0	B1/500		G1/500
BVH (80°-90°)	16.5	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-G2
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	452.4	452.4	452.4	452.4	452.4	452.4	452.4	452.4	452.4	452.4
2.5°	445.4	448.0	447.3	446.5	446.5	446.7	446.5	448.0	449.4	450.9
5°	450.1	452.6	451.3	450.3	449.4	449.2	448.6	448.4	449.2	451.1
7.5°	459.1	461.6	459.7	457.8	456.2	455.3	454.5	453.2	452.6	453.6
10°	469.2	471.7	469.4	466.0	463.3	462.2	461.4	460.1	459.3	459.9
12.5°	479.2	481.7	478.6	474.0	470.4	469.8	468.7	468.3	468.1	467.9
15°	488.7	490.8	486.8	481.3	477.6	476.5	475.5	476.1	477.1	478.4
17.5°	496.0	498.1	492.2	485.1	481.5	481.1	480.5	482.6	485.5	488.7
20°	502.7	504.8	497.3	487.6	483.4	483.4	483.6	488.0	492.2	496.9
22.5°	512.2	513.9	504.6	491.4	485.3	485.7	487.4	491.8	497.1	503.4
25°	526.2	527.5	516.2	498.5	491.6	492.9	494.3	496.4	501.5	508.8
27.5°	548.9	549.9	535.0	511.1	500.6	502.7	504.8	503.4	505.7	512.0
30°	580.8	581.4	562.5	530.8	515.9	517.0	517.4	511.3	506.9	512.0
32.5°	618.6	618.3	595.9	554.8	533.4	532.3	528.7	516.8	506.5	510.9
35°	677.1	674.8	645.8	588.3	553.1	546.6	538.2	522.9	508.6	509.9
37.5°	774.0	766.9	726.8	643.3	582.5	565.9	553.5	532.7	513.2	509.4
40°	883.3	874.3	830.3	718.6	626.5	599.9	579.9	546.8	520.8	511.3
42.5°	1013.0	1000.2	952.8	807.4	682.3	643.7	613.7	564.6	531.9	517.4
45°	1172.3	1155.3	1088.1	907.5	752.6	701.2	661.1	591.7	548.9	529.2
47.5°	1333.2	1337.4	1241.9	1022.0	837.0	772.1	720.5	632.4	573.7	548.1
50°	1504.2	1507.1	1394.9	1149.0	932.7	852.3	787.2	677.9	608.1	574.9
52.5°	1637.7	1638.1	1533.8	1281.8	1032.3	940.4	859.2	730.0	647.9	610.6
55°	1721.2	1720.1	1631.1	1407.5	1146.9	1032.9	938.9	789.1	696.6	652.5
57.5°	1781.8	1778.7	1698.3	1515.5	1269.0	1142.3	1029.2	856.3	754.1	702.5
60°	1804.9	1803.0	1743.8	1608.9	1397.4	1263.1	1133.2	931.4	819.4	761.4
62.5°	1813.7	1817.3	1788.5	1699.3	1534.8	1397.0	1247.6	1021.2	892.8	828.2
65°	1844.7	1851.2	1845.4	1817.7	1690.1	1553.7	1399.3	1128.0	972.9	899.7
67.5°	1906.2	1912.7	1915.2	1959.3	1879.8	1749.1	1588.6	1261.0	1066.7	974.0
70°	1904.8	1902.9	1947.3	2072.0	2117.3	2019.5	1843.7	1424.7	1178.6	1035.7
72.5°	1733.8	1718.6	1823.8	2070.7	2315.0	2301.9	2155.3	1635.8	1275.1	1043.2
75°	1300.7	1260.4	1446.1	1866.1	2347.9	2462.2	2353.4	1766.7	1252.2	921.7
77.5°	556.2	515.7	734.6	1381.5	2101.4	2301.7	2171.6	1541.3	999.6	609.5
80°	145.6	145.4	222.0	626.3	1429.1	1699.8	1491.2	995.4	571.1	217.8
82.5°	60.2	58.7	81.6	243.6	698.3	953.8	778.4	444.0	206.3	59.0
85°	22.5	22.2	39.7	84.1	246.3	393.4	284.7	113.5	51.4	28.7
87.5°	6.3	6.1	8.6	29.2	60.0	91.1	48.7	18.7	14.5	11.3
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°
452.4	0°	452.4	452.4	452.4	452.4	452.4	452.4	452.4	452.4	452.4	452.4
453.2	2.5°	453.8	454.9	456.8	458.2	460.1	462.2	465.2	467.1	468.9	470.2
454.3	5°	455.7	458.0	462.9	467.7	473.4	478.6	484.7	489.1	492.7	493.7
458.0	7.5°	459.9	463.7	471.9	480.1	489.1	497.7	506.5	514.1	520.1	522.5
464.8	10°	467.3	472.3	483.8	495.4	507.3	520.6	531.9	542.8	551.4	555.0
472.7	12.5°	476.5	482.8	497.9	513.9	530.4	548.7	563.4	576.8	587.5	592.3
483.8	15°	488.5	496.6	515.9	537.4	561.7	587.1	605.8	620.7	632.6	638.5
495.4	17.5°	501.5	512.4	536.7	569.0	603.9	637.2	659.0	670.0	682.3	688.0
506.1	20°	514.1	527.5	562.3	609.3	655.7	691.2	708.8	711.7	712.6	713.2
516.2	22.5°	527.1	545.1	594.4	660.1	709.8	734.4	736.9	724.3	706.7	698.5
526.0	25°	541.3	565.3	636.4	716.1	756.4	759.3	740.0	709.4	676.0	660.7
534.0	27.5°	555.2	588.5	686.7	769.6	790.0	764.2	722.6	679.2	638.9	622.7
539.7	30°	569.0	615.2	742.3	816.4	805.3	752.2	695.1	646.7	606.2	589.2
544.7	32.5°	583.1	646.2	806.3	850.2	802.6	726.8	660.9	610.2	574.5	556.7
549.1	35°	599.0	684.4	867.0	868.7	784.3	689.5	615.8	566.5	535.5	521.2
554.3	37.5°	619.8	732.9	920.5	873.3	752.4	634.7	559.8	514.9	489.3	482.8
562.1	40°	645.6	791.2	961.4	865.9	705.2	568.2	498.5	462.7	448.2	449.6
572.6	42.5°	679.2	856.5	990.1	847.0	639.5	499.6	444.8	428.9	435.8	441.7
588.3	45°	722.8	924.3	1008.0	814.9	565.3	441.5	413.1	416.9	422.2	422.8
613.7	47.5°	778.6	992.9	1019.7	766.5	489.5	400.5	393.0	393.8	392.8	388.4
651.7	50°	848.3	1059.6	1030.2	702.3	425.1	374.9	364.9	361.9	347.5	333.2
702.3	52.5°	927.6	1120.9	1034.6	622.5	374.9	353.5	337.2	318.7	291.7	287.2
765.8	55°	1015.7	1177.5	1023.3	524.6	332.8	326.1	301.3	279.1	276.1	272.3
849.6	57.5°	1121.1	1238.6	1000.2	415.2	289.6	294.0	269.8	272.3	267.1	261.2
957.2	60°	1236.3	1301.7	959.7	315.6	244.9	253.9	261.6	261.4	260.0	255.1
1070.7	62.5°	1339.9	1343.3	880.0	241.7	205.6	222.8	244.0	243.8	242.6	239.8
1189.3	65°	1401.6	1337.0	747.0	190.3	173.3	197.2	220.1	221.8	222.0	221.8
1278.4	67.5°	1390.7	1263.3	564.4	151.5	146.7	171.2	196.4	198.7	200.4	200.8
1289.8	70°	1267.3	1101.6	368.0	120.9	123.0	148.3	173.9	176.2	177.7	179.4
1119.2	72.5°	987.8	809.9	210.7	97.8	102.2	128.6	151.7	154.4	155.3	158.4
778.9	75°	602.0	476.3	113.7	77.0	83.9	109.9	129.7	132.8	134.3	138.1
382.5	77.5°	286.2	206.3	64.8	60.0	67.6	89.8	109.5	113.1	109.1	111.2
105.5	80°	96.7	76.6	40.9	45.7	51.6	70.1	87.7	91.3	82.9	82.5
35.0	82.5°	33.8	31.1	26.0	30.4	33.4	50.1	66.3	70.9	61.7	61.5
15.7	85°	13.2	12.6	14.5	16.6	19.9	30.8	43.6	46.0	38.0	30.6
4.6	87.5°	2.7	2.9	3.6	3.8	6.1	10.7	15.7	19.3	15.3	13.0
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°
452.4
469.4
494.1
522.7
555.2
592.3
638.1
687.8
714.9
700.8
663.0
624.6
591.1
559.0
524.3
487.4
454.7
447.1
427.0
391.7
335.1
288.7
273.0
260.2
253.5
238.8
221.8
201.2
180.2
159.7
138.5
109.5
81.6
58.5
30.2
12.0
0.0

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