

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: P852107

Luminaire Tested: **GLAN-SB1B-927-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852107
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1B-927-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3585 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

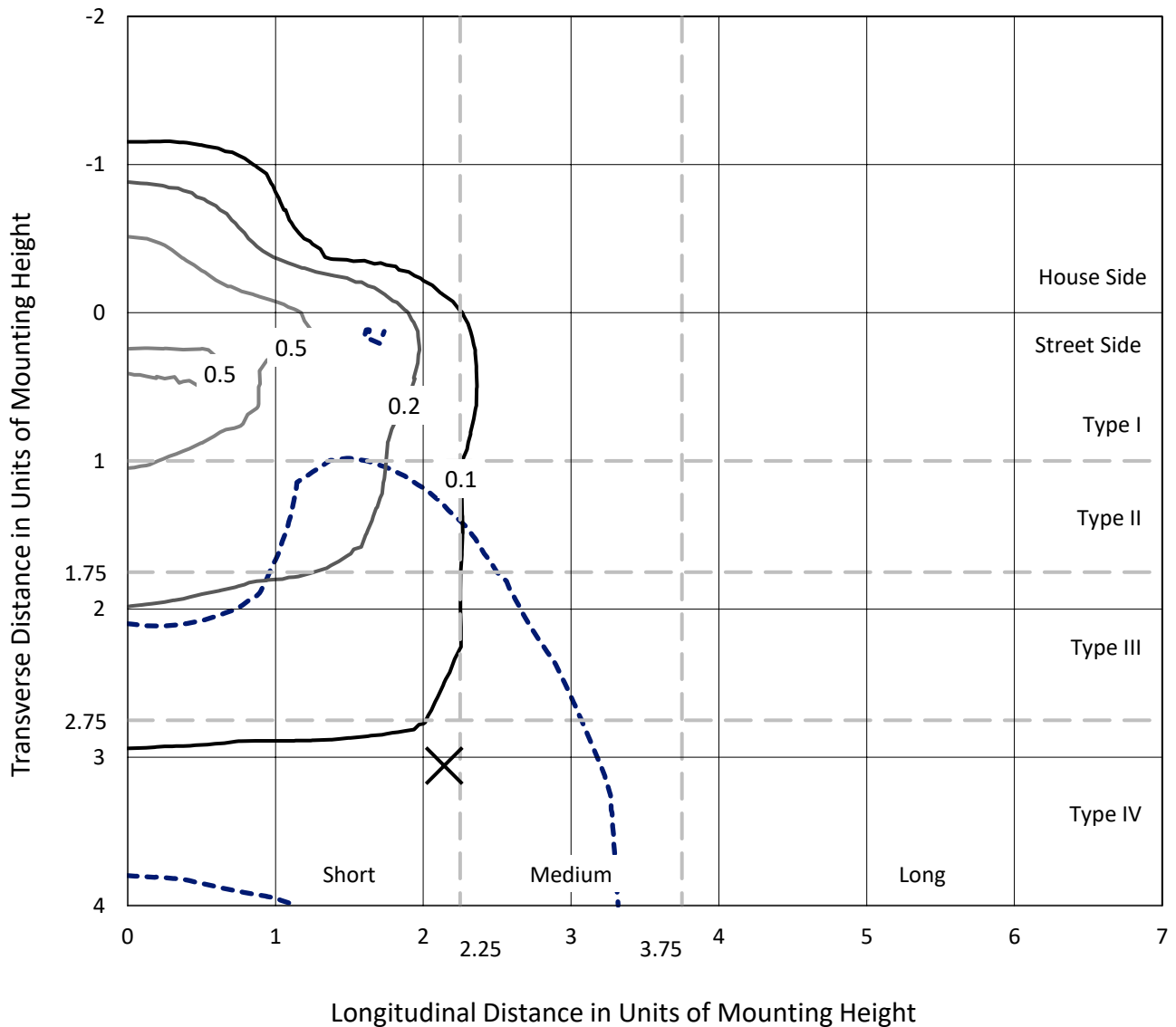
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

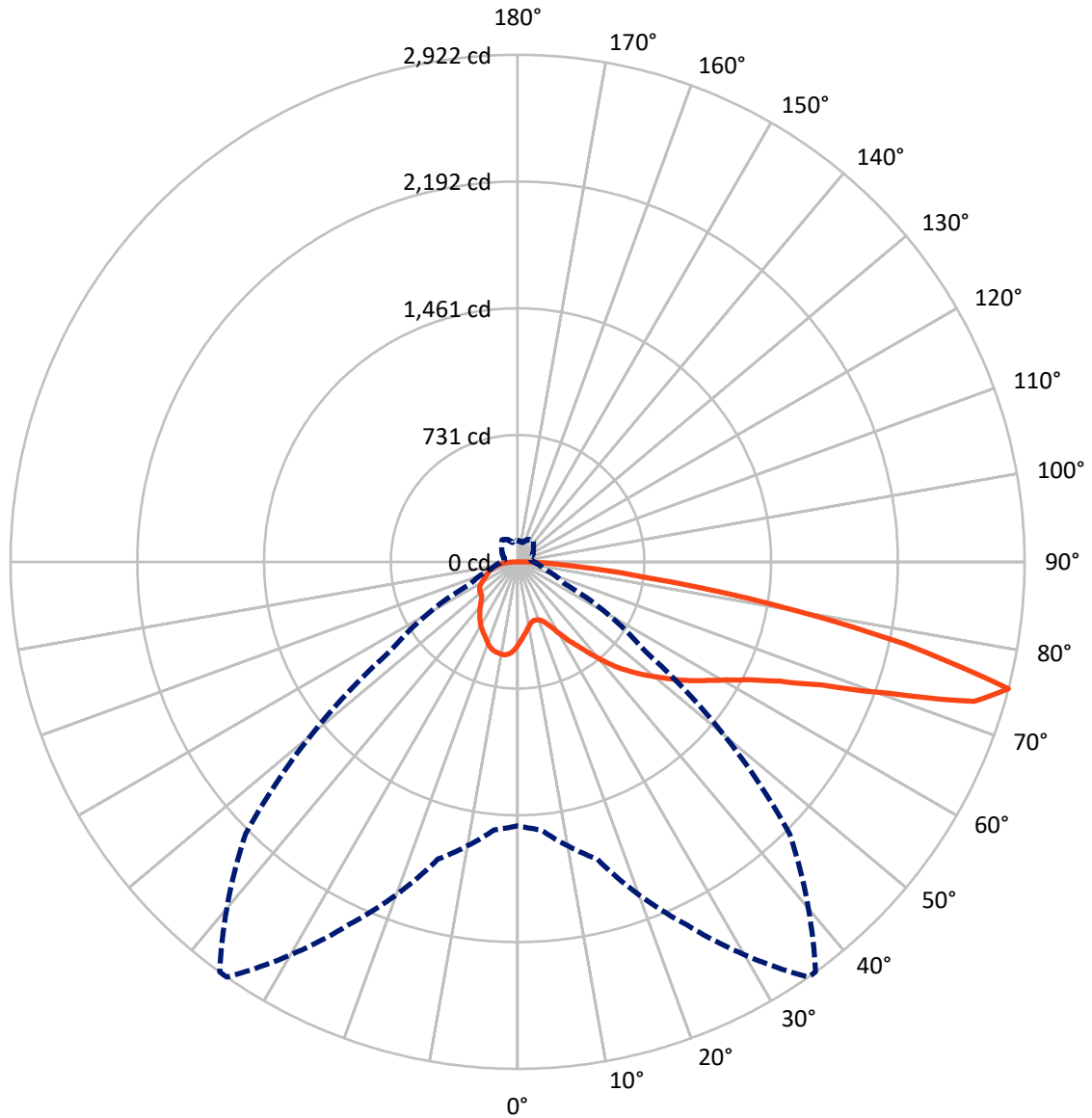
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	853.1	0.0	853.1
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	2731.9	0.0	2731.9
	% Fixture	76.2	0.0	76.2
Total	Lumens	3585.0	0.0	3585.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.2	1.3
10°-20°	130.5	3.6
20°-30°	219.1	6.1
30°-40°	340.5	9.5
40°-50°	505.4	14.1
50°-60°	697.7	19.5
60°-70°	846.5	23.6
70°-80°	699.5	19.5
80°-90°	100.6	2.8
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°	3585.0	100.0
0°-180°	3585.0	100.0

Coefficient of Utilization



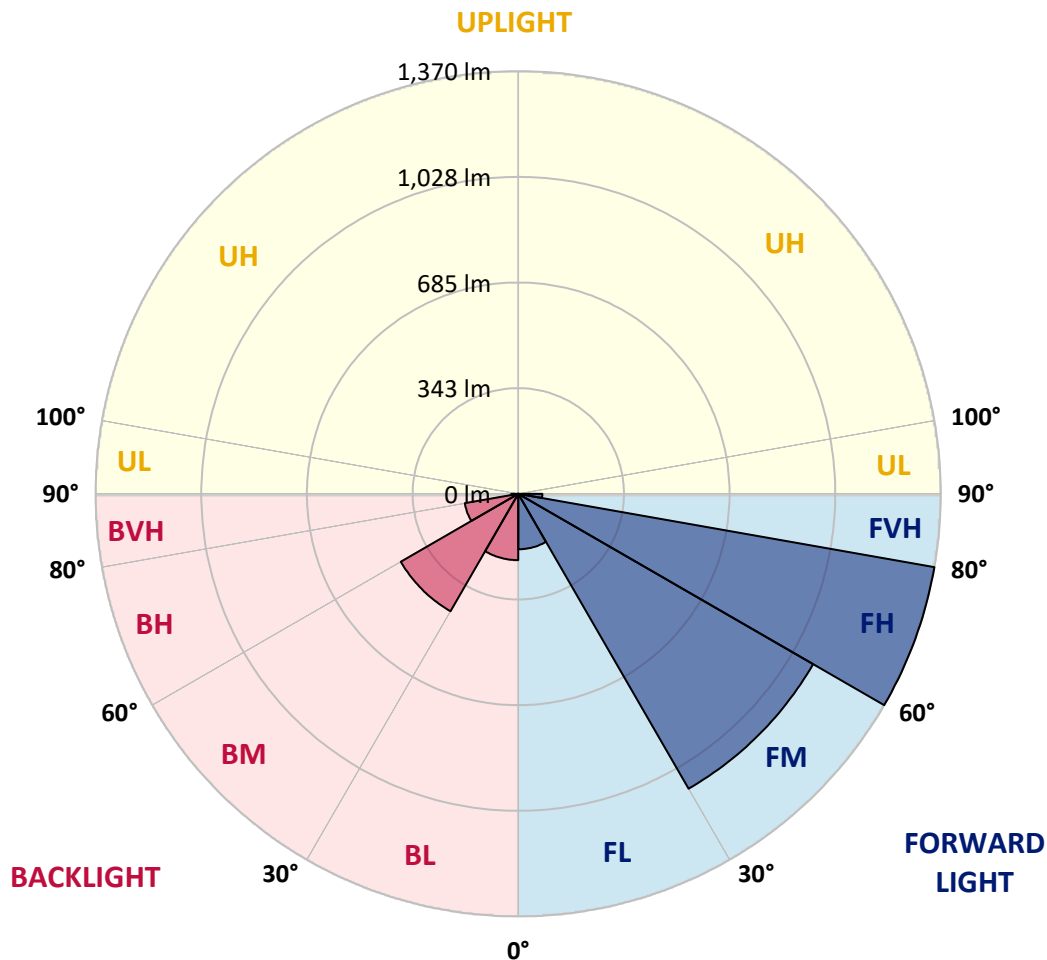
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	179.8	5.0			
FM (30°-60°)	1104.0	30.8			
FH (60°-80°)	1370.1	38.2			G1/1800
FVH (80°-90°)	78.0	2.2			G1/100
BL (0°-30°)	215.0	6.0	B1/500		
BM (30°-60°)	439.6	12.3	B1/1000		
BH (60°-80°)	175.9	4.9	B1/500		G1/500
BVH (80°-90°)	22.7	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	477.7	477.7	477.7	477.7	477.7	477.7	477.7	477.7	477.7	477.7
2.5°	440.5	443.2	444.4	443.8	446.7	446.3	450.4	455.4	462.4	469.2
5°	406.6	409.5	412.0	414.4	420.0	421.7	428.1	437.8	450.6	463.6
7.5°	375.0	377.5	381.4	385.7	395.2	396.9	407.6	422.7	440.5	459.5
10°	349.2	351.8	355.8	360.7	372.5	374.6	388.2	408.3	431.6	455.6
12.5°	338.2	339.0	341.3	346.1	356.4	357.8	372.7	395.7	422.9	452.7
15°	337.6	339.2	339.3	341.9	350.4	351.0	364.7	387.6	417.5	452.1
17.5°	343.4	344.6	342.8	344.4	351.6	352.5	363.4	383.7	415.7	454.7
20°	358.9	359.9	354.7	352.5	357.8	358.5	369.2	386.3	417.5	459.9
22.5°	391.9	392.5	379.7	370.9	371.3	371.7	381.0	396.5	424.2	469.4
25°	443.2	442.8	422.5	405.6	395.9	393.8	400.0	413.2	435.7	482.0
27.5°	503.3	500.4	480.1	454.9	433.7	430.6	429.3	434.9	451.9	498.7
30°	571.1	568.4	546.5	513.6	484.3	479.3	466.5	463.6	476.2	521.3
32.5°	645.6	643.8	617.7	577.7	538.6	532.8	511.3	503.5	513.4	555.6
35°	708.0	706.4	684.7	643.6	595.8	588.6	566.7	558.0	563.0	599.6
37.5°	764.4	763.6	745.0	712.6	663.2	654.5	629.9	627.0	626.0	657.6
40°	816.7	814.7	795.4	778.3	741.7	733.7	712.0	709.5	702.1	728.9
42.5°	874.6	869.6	841.5	833.5	823.7	817.1	804.1	804.5	788.2	809.3
45°	921.9	919.0	890.1	885.5	896.1	893.4	904.7	907.6	876.0	893.6
47.5°	972.7	970.0	945.6	942.3	971.1	971.9	1011.7	1012.6	961.7	981.2
50°	1035.3	1031.4	1007.2	1011.3	1043.6	1046.5	1119.2	1112.6	1040.5	1070.2
52.5°	1076.6	1078.9	1073.7	1080.3	1124.4	1127.2	1225.0	1208.2	1118.6	1158.0
55°	1107.0	1111.7	1127.9	1143.1	1209.7	1212.4	1324.8	1299.1	1183.4	1239.4
57.5°	1146.2	1139.6	1170.0	1199.4	1290.7	1297.9	1421.9	1386.7	1240.7	1309.5
60°	1202.4	1197.7	1221.3	1265.0	1381.4	1392.9	1524.7	1465.5	1282.8	1365.2
62.5°	1316.3	1304.7	1308.4	1346.9	1495.8	1510.9	1640.5	1534.3	1303.7	1386.9
65°	1486.7	1466.7	1448.1	1474.8	1656.8	1671.7	1771.4	1588.4	1296.0	1344.8
67.5°	1701.2	1681.4	1658.6	1683.8	1894.0	1905.9	1932.8	1618.8	1234.9	1182.8
70°	1878.1	1870.8	1898.1	2001.8	2272.9	2273.3	2139.8	1593.6	1067.7	838.6
72.5°	1854.7	1850.2	1994.2	2314.8	2750.5	2740.2	2335.7	1402.9	719.2	378.3
75°	1521.6	1550.4	1773.5	2309.2	2922.0	2920.6	2215.8	891.9	297.5	156.8
77.5°	815.9	861.7	1151.4	1704.9	2281.1	2315.4	1557.8	312.0	127.7	100.4
80°	266.1	306.0	458.9	868.0	1482.2	1475.8	667.7	122.5	87.4	71.1
82.5°	113.0	117.6	205.0	409.9	760.7	748.9	212.6	70.4	61.4	48.6
85°	44.2	49.4	90.5	189.5	329.5	322.3	76.7	34.9	39.3	31.8
87.5°	14.5	17.6	32.4	64.9	102.5	98.8	18.8	12.0	17.1	14.5
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°
477.7	0°	477.7	477.7	477.7	477.7	477.7	477.7	477.7	477.7	477.7	477.7
479.1	2.5°	481.8	484.9	488.6	494.0	498.7	502.5	506.6	509.1	510.1	513.0
479.9	5°	485.3	492.1	501.2	510.1	518.8	524.0	528.7	531.0	533.2	534.7
482.0	7.5°	491.1	499.8	514.2	525.8	533.2	537.4	540.5	539.7	540.5	540.9
484.3	10°	496.1	508.3	525.4	536.4	542.1	542.3	541.5	538.8	537.4	537.6
487.8	12.5°	502.1	515.7	534.1	543.4	545.0	540.7	537.4	532.8	531.0	530.2
493.0	15°	510.3	525.8	543.6	547.1	543.2	537.8	532.2	524.6	520.7	517.6
502.0	17.5°	520.2	537.2	551.0	548.5	540.1	531.2	522.1	510.7	502.7	499.4
514.2	20°	533.9	549.2	556.6	545.6	533.0	519.4	503.9	489.9	482.6	479.3
529.7	22.5°	550.6	565.3	562.0	540.5	522.7	501.0	481.6	471.3	467.6	465.3
549.6	25°	570.6	583.2	565.9	533.2	505.8	476.6	461.6	458.3	456.6	454.9
574.0	27.5°	596.5	603.3	568.8	522.3	479.5	450.6	445.2	445.7	445.2	442.3
608.0	30°	630.8	629.5	571.5	504.7	449.2	427.1	427.5	430.0	430.4	428.5
655.2	32.5°	676.0	662.2	572.9	481.8	420.4	406.6	407.0	409.7	411.6	408.3
717.1	35°	730.6	700.4	570.8	453.1	398.1	387.0	384.1	384.9	385.5	382.4
792.1	37.5°	794.4	743.2	561.3	421.3	379.7	367.8	361.6	356.4	353.3	350.4
877.0	40°	864.4	789.9	543.8	390.3	359.1	347.5	338.2	328.3	317.8	314.0
966.9	42.5°	937.6	838.0	522.7	360.7	335.5	326.0	316.1	301.8	286.1	278.1
1060.3	45°	1013.6	887.2	502.0	331.4	311.2	307.2	295.7	278.5	261.4	251.4
1153.9	47.5°	1088.0	933.7	471.5	301.9	288.6	293.0	284.1	268.2	249.2	233.3
1246.7	50°	1159.1	977.4	421.7	272.1	270.2	288.8	280.2	257.4	235.7	215.3
1337.8	52.5°	1229.7	1012.6	358.0	245.0	260.3	287.6	275.2	250.0	223.5	202.1
1423.5	55°	1289.6	1030.8	296.5	221.7	245.9	277.7	269.2	241.3	206.2	183.5
1482.2	57.5°	1323.7	1016.1	245.4	198.8	226.2	261.4	258.9	222.7	185.7	168.2
1493.6	60°	1308.9	956.4	203.5	178.9	207.4	243.8	241.1	204.3	170.0	153.5
1432.4	62.5°	1227.7	842.7	170.4	161.4	190.3	225.8	223.3	190.1	157.9	142.1
1269.8	65°	1064.2	685.5	144.6	146.9	173.1	204.1	207.8	178.3	148.5	132.9
982.4	67.5°	811.6	496.5	124.4	134.3	156.2	182.8	193.4	169.8	140.5	125.8
568.4	70°	462.6	282.0	107.4	122.1	141.3	163.0	182.4	163.0	132.0	119.8
213.0	72.5°	175.4	129.5	92.8	109.9	126.9	146.3	170.2	152.3	122.1	113.0
110.1	75°	93.6	78.9	78.1	95.5	110.5	130.0	154.8	141.9	114.7	119.4
76.2	77.5°	63.8	55.8	65.3	81.8	92.4	112.0	138.6	126.0	99.4	99.0
52.7	80°	44.2	39.5	53.1	65.9	71.5	94.2	120.9	108.1	81.0	75.6
32.6	82.5°	26.6	25.8	39.7	49.2	50.6	72.7	100.2	90.7	66.3	57.8
19.4	85°	14.5	15.3	25.4	28.9	29.5	50.8	78.5	70.2	51.0	42.8
7.0	87.5°	4.1	5.2	9.3	11.4	14.1	26.4	46.7	41.7	25.6	17.8
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°
477.7
512.8
535.1
541.5
538.0
529.9
518.6
499.6
478.9
465.7
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442.8
429.5
409.9
384.5
352.3
315.7
279.1
250.6
231.6
213.6
199.8
181.6
165.9
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