

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: P852209

Luminaire Tested: **GLAN-SB2A-927-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852209
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-SB2A-927-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5710 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

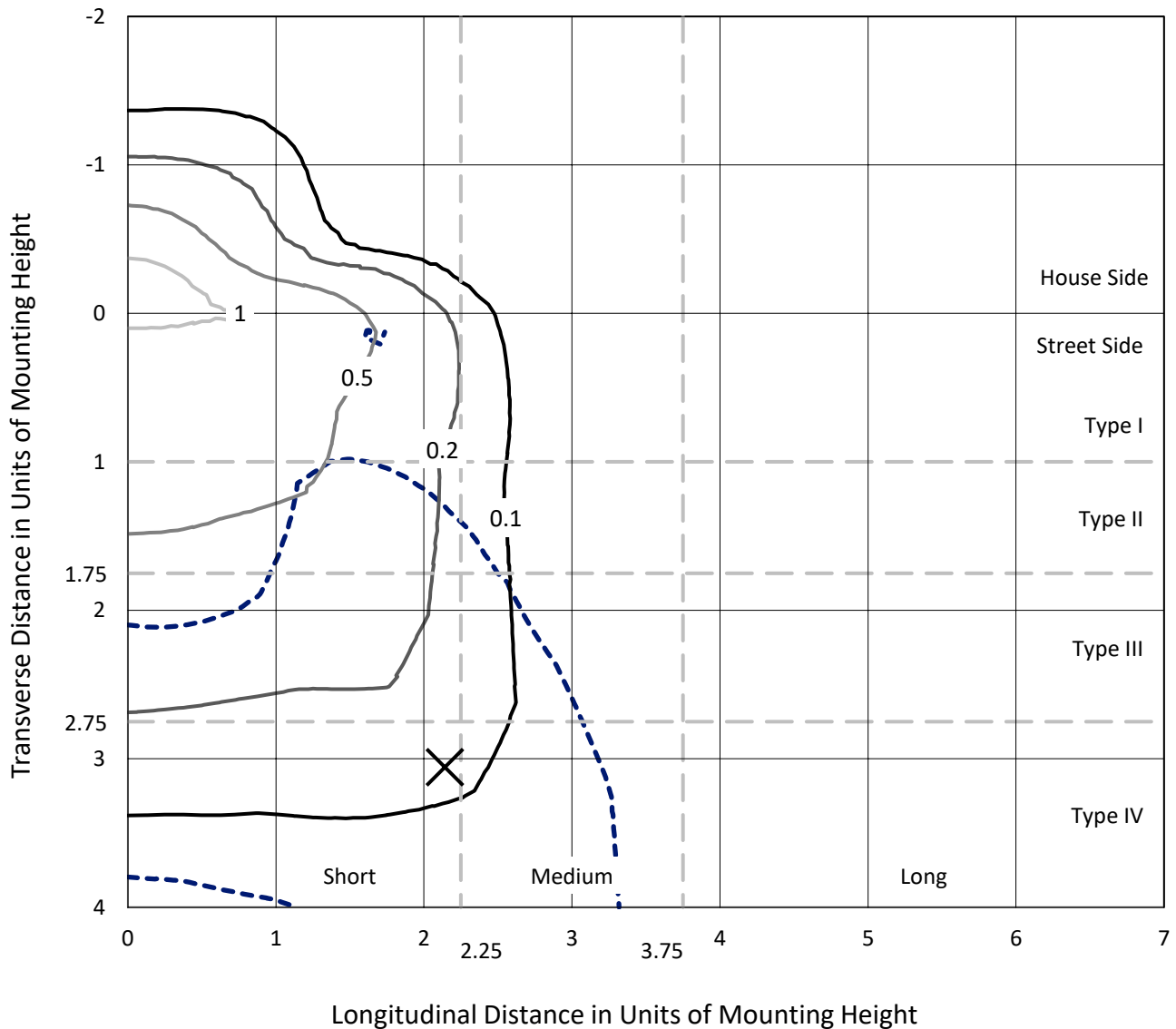
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

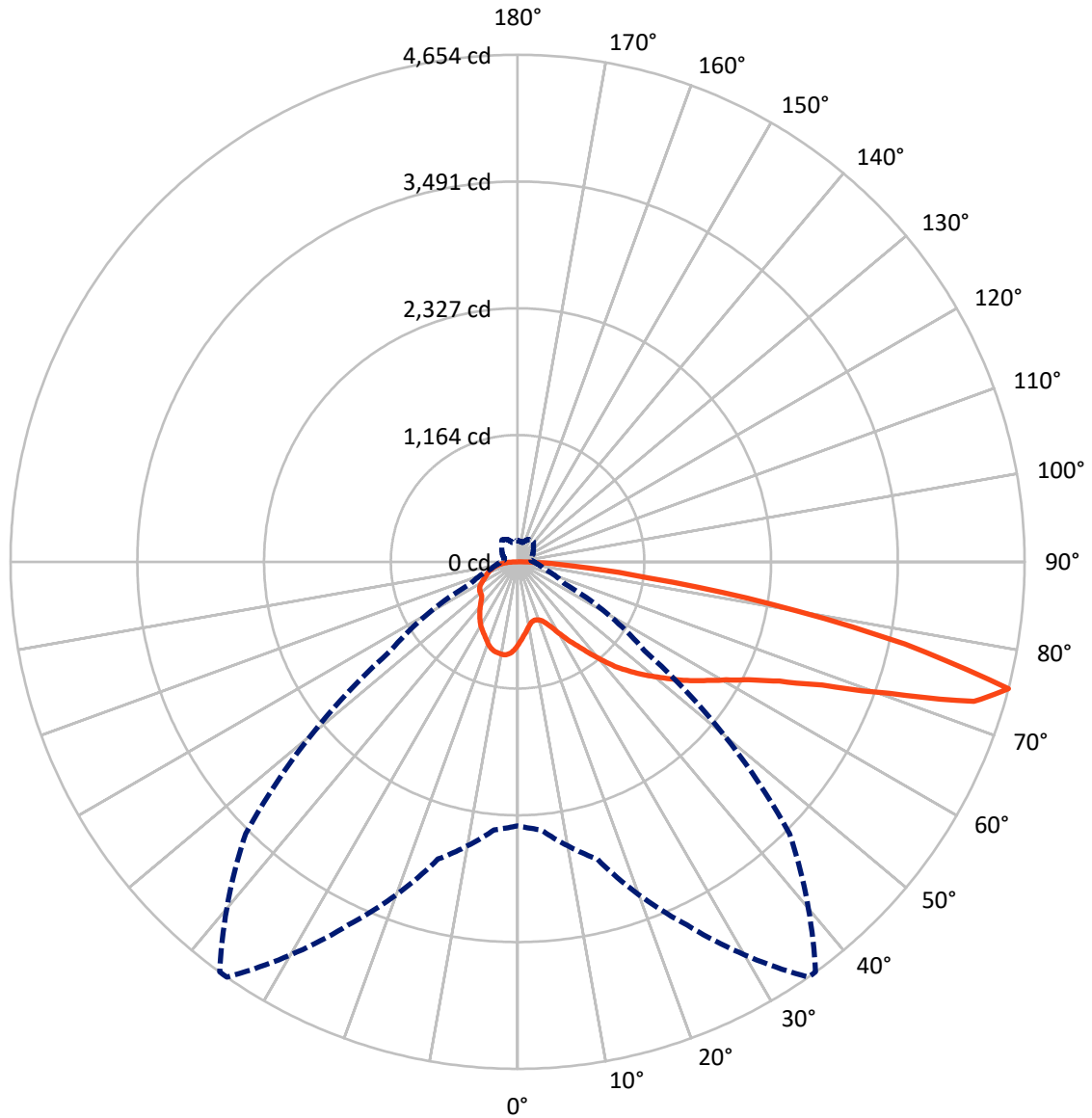
✕ Max cd
 - - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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	1358.8	0.0	1358.8
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	4351.2	0.0	4351.2
	% Fixture	76.2	0.0	76.2
Total	Lumens	5710.0	0.0	5710.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.0	1.3
10°-20°	207.8	3.6
20°-30°	348.9	6.1
30°-40°	542.3	9.5
40°-50°	804.9	14.1
50°-60°	1111.3	19.5
60°-70°	1348.2	23.6
70°-80°	1114.2	19.5
80°-90°	160.3	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°	5710.0	100.0
0°-180°	5710.0	100.0

Coefficient of Utilization

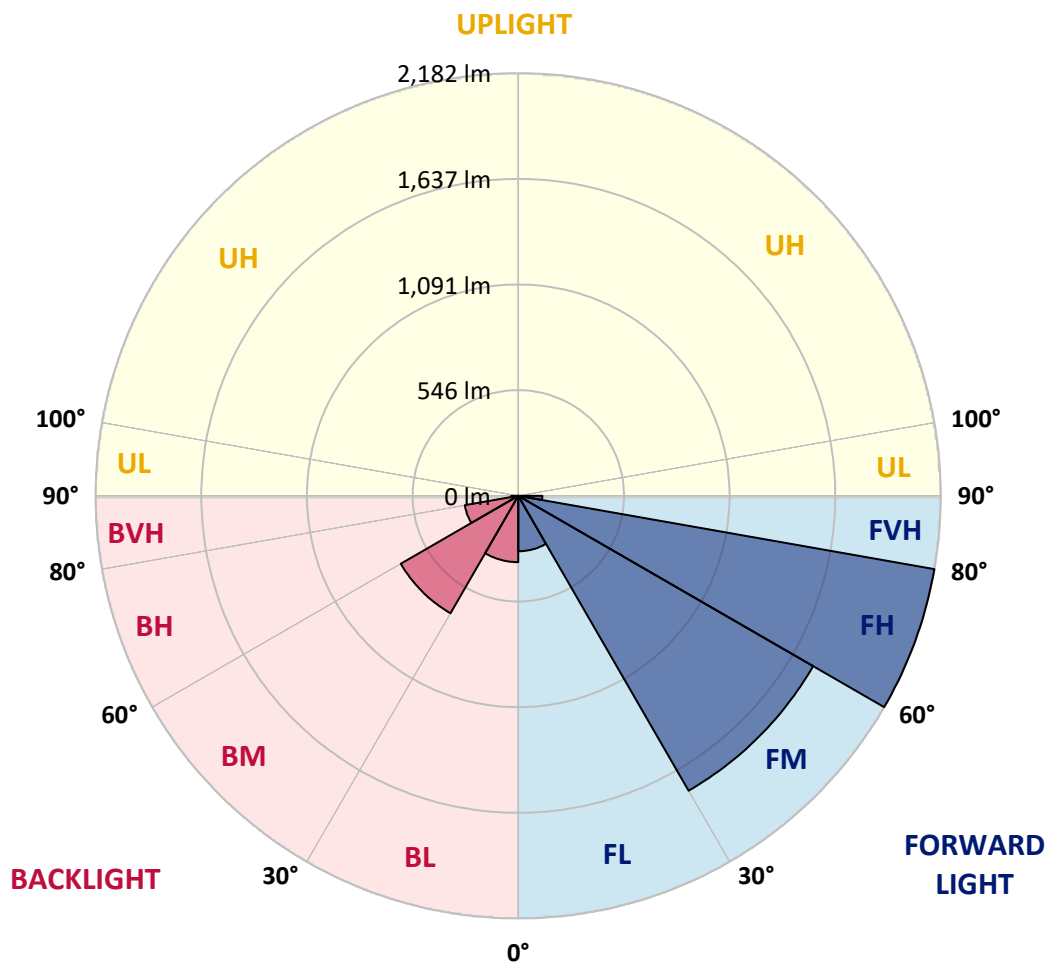


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	286.3	5.0			
FM (30°-60°)	1758.4	30.8			
FH (60°-80°)	2182.3	38.2			G2/5000
FVH (80°-90°)	124.2	2.2			G2/225
BL (0°-30°)	342.4	6.0	B1/500		
BM (30°-60°)	700.2	12.3	B1/1000		
BH (60°-80°)	280.1	4.9	B1/500		G1/500
BVH (80°-90°)	36.1	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-G2
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	760.9	760.9	760.9	760.9	760.9	760.9	760.9	760.9	760.9	760.9
2.5°	701.6	706.0	707.8	706.9	711.5	710.9	717.4	725.4	736.5	747.3
5°	647.6	652.2	656.3	660.0	668.9	671.7	681.9	697.3	717.7	738.4
7.5°	597.3	601.3	607.5	614.3	629.4	632.2	649.2	673.2	701.6	731.9
10°	556.2	560.3	566.7	574.5	593.3	596.7	618.3	650.4	687.4	725.7
12.5°	538.6	539.9	543.6	551.3	567.7	569.8	593.6	630.3	673.5	721.1
15°	537.7	540.2	540.5	544.5	558.1	559.0	580.9	617.4	664.9	720.2
17.5°	547.0	548.8	546.1	548.5	559.9	561.5	578.8	611.2	662.1	724.2
20°	571.7	573.2	564.9	561.5	569.8	571.1	588.0	615.2	664.9	732.5
22.5°	624.2	625.1	604.7	590.8	591.4	592.0	606.9	631.6	675.7	747.6
25°	706.0	705.3	672.9	646.1	630.6	627.2	637.1	658.1	693.9	767.7
27.5°	801.6	797.0	764.6	724.5	690.8	685.9	683.7	692.7	719.8	794.2
30°	909.7	905.4	870.5	818.0	771.4	763.4	743.0	738.4	758.4	830.3
32.5°	1028.2	1025.4	983.8	920.2	857.8	848.6	814.3	802.0	817.7	885.0
35°	1127.6	1125.1	1090.6	1025.1	948.9	937.5	902.6	888.7	896.7	955.1
37.5°	1217.4	1216.2	1186.6	1135.0	1056.3	1042.4	1003.2	998.6	997.0	1047.4
40°	1300.8	1297.7	1266.8	1239.7	1181.3	1168.7	1134.1	1130.1	1118.3	1160.9
42.5°	1393.1	1385.0	1340.3	1327.6	1311.9	1301.4	1280.7	1281.3	1255.4	1289.0
45°	1468.4	1463.8	1417.8	1410.4	1427.3	1423.0	1440.9	1445.5	1395.2	1423.3
47.5°	1549.3	1544.9	1506.0	1500.8	1546.8	1548.0	1611.3	1612.9	1531.7	1562.8
50°	1649.0	1642.8	1604.2	1610.7	1662.2	1666.9	1782.6	1772.1	1657.3	1704.5
52.5°	1714.7	1718.4	1710.1	1720.6	1791.0	1795.3	1951.2	1924.3	1781.7	1844.4
55°	1763.2	1770.6	1796.5	1820.6	1926.8	1931.1	2110.1	2069.1	1884.8	1974.0
57.5°	1825.5	1815.0	1863.5	1910.4	2055.8	2067.2	2264.8	2208.6	1976.2	2085.8
60°	1915.1	1907.6	1945.3	2014.8	2200.3	2218.5	2428.4	2334.2	2043.2	2174.3
62.5°	2096.6	2078.0	2083.9	2145.3	2382.4	2406.5	2613.0	2443.8	2076.5	2208.9
65°	2367.9	2336.1	2306.5	2349.1	2638.9	2662.7	2821.3	2529.9	2064.1	2141.9
67.5°	2709.6	2678.1	2641.7	2681.8	3016.7	3035.6	3078.5	2578.4	1966.9	1883.9
70°	2991.4	2979.7	3023.2	3188.4	3620.2	3620.8	3408.1	2538.3	1700.5	1335.7
72.5°	2954.1	2947.0	3176.3	3686.9	4380.8	4364.4	3720.2	2234.5	1145.5	602.5
75°	2423.4	2469.4	2824.7	3677.9	4654.0	4651.8	3529.1	1420.5	473.8	249.7
77.5°	1299.5	1372.4	1833.9	2715.5	3633.2	3687.8	2481.2	497.0	203.4	159.9
80°	423.8	487.4	731.0	1382.6	2360.8	2350.6	1063.4	195.1	139.2	113.3
82.5°	180.0	187.4	326.6	652.9	1211.6	1192.7	338.6	112.1	97.9	77.5
85°	70.4	78.7	144.2	301.9	524.8	513.3	122.2	55.6	62.7	50.6
87.5°	23.2	28.1	51.5	103.4	163.3	157.4	29.9	19.1	27.2	23.2
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°
760.9	0°	760.9	760.9	760.9	760.9	760.9	760.9	760.9	760.9	760.9	760.9
763.1	2.5°	767.4	772.3	778.2	786.8	794.2	800.4	806.9	810.9	812.4	817.1
764.3	5°	772.9	783.7	798.2	812.4	826.3	834.7	842.1	845.8	849.2	851.6
767.7	7.5°	782.2	796.1	818.9	837.4	849.2	856.0	860.9	859.7	860.9	861.5
771.4	10°	790.2	809.7	836.8	854.4	863.4	863.7	862.5	858.1	856.0	856.3
776.9	12.5°	799.8	821.4	850.7	865.5	868.0	861.2	856.0	848.6	845.8	844.5
785.3	15°	812.8	837.4	865.8	871.4	865.2	856.6	847.6	835.6	829.4	824.5
799.5	17.5°	828.5	855.7	877.6	873.6	860.3	846.1	831.6	813.4	800.7	795.5
818.9	20°	850.4	874.8	886.5	868.9	848.9	827.3	802.6	780.3	768.6	763.4
843.6	22.5°	877.0	900.4	895.2	860.9	832.5	797.9	767.1	750.7	744.8	741.1
875.4	25°	908.8	928.8	901.3	849.2	805.7	759.0	735.3	730.0	727.3	724.5
914.3	27.5°	950.1	960.9	906.0	831.9	763.7	717.7	709.0	710.0	709.0	704.4
968.3	30°	1004.8	1002.6	910.3	803.8	715.5	680.3	680.9	685.0	685.6	682.5
1043.6	32.5°	1076.7	1054.8	912.5	767.4	669.5	647.6	648.2	652.5	655.6	650.4
1142.1	35°	1163.7	1115.6	909.1	721.7	634.0	616.4	611.8	613.0	614.0	609.0
1261.6	37.5°	1265.3	1183.8	893.9	671.1	604.7	585.9	576.0	567.7	562.7	558.1
1396.8	40°	1376.7	1258.2	866.2	621.7	572.0	553.5	538.6	522.9	506.2	500.1
1540.0	42.5°	1493.4	1334.7	832.5	574.5	534.3	519.2	503.5	480.6	455.6	443.0
1688.8	45°	1614.4	1413.1	799.5	527.8	495.7	489.3	471.0	443.6	416.4	400.4
1837.9	47.5°	1732.9	1487.2	751.0	480.9	459.6	466.7	452.5	427.2	397.0	371.7
1985.7	50°	1846.2	1556.7	671.7	433.4	430.3	459.9	446.4	409.9	375.4	342.9
2130.8	52.5°	1958.6	1612.9	570.1	390.2	414.6	458.1	438.3	398.2	355.9	322.0
2267.3	55°	2054.0	1641.9	472.3	353.1	391.7	442.3	428.8	384.3	328.4	292.3
2360.8	57.5°	2108.3	1618.4	390.8	316.7	360.2	416.4	412.4	354.7	295.7	267.9
2379.0	60°	2084.8	1523.3	324.1	284.9	330.3	388.3	384.0	325.3	270.7	244.5
2281.5	62.5°	1955.5	1342.1	271.3	257.1	303.1	359.6	355.6	302.8	251.6	226.3
2022.5	65°	1695.0	1091.8	230.3	234.0	275.7	325.0	330.9	284.0	236.4	211.8
1564.7	67.5°	1292.8	790.8	198.2	213.9	248.8	291.1	308.1	270.4	223.8	200.3
905.4	70°	736.8	449.1	171.0	194.5	225.0	259.6	290.5	259.6	210.2	190.8
339.2	72.5°	279.4	206.2	147.9	175.0	202.2	233.1	271.0	242.6	194.5	180.0
175.3	75°	149.1	125.6	124.4	152.2	175.9	207.1	246.6	226.0	182.7	190.1
121.3	77.5°	101.6	88.9	104.0	130.3	147.2	178.4	220.7	200.6	158.4	157.7
84.0	80°	70.4	63.0	84.6	105.0	113.9	150.0	192.6	172.2	129.0	120.4
51.9	82.5°	42.3	41.1	63.3	78.4	80.6	115.8	159.6	144.5	105.6	92.0
30.9	85°	23.2	24.4	40.4	46.0	46.9	80.9	125.0	111.7	81.2	68.2
11.1	87.5°	6.5	8.3	14.8	18.2	22.5	42.0	74.4	66.4	40.7	28.4
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°
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760.9
816.8
852.3
862.5
856.9
843.9
826.0
795.8
762.7
741.8
724.5
705.3
684.0
652.9
612.4
561.2
502.8
444.5
399.1
368.9
340.2
318.2
289.2
264.2
240.8
222.2
207.7
196.6
188.3
177.5
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145.4
115.1
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68.8
28.4
0.0

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