

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: P845728

Luminaire Tested: **GLAN-SB1A-735-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845728
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1A-735-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3500K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4406 lumens
Efficiency: N/A
Efficacy: 142.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

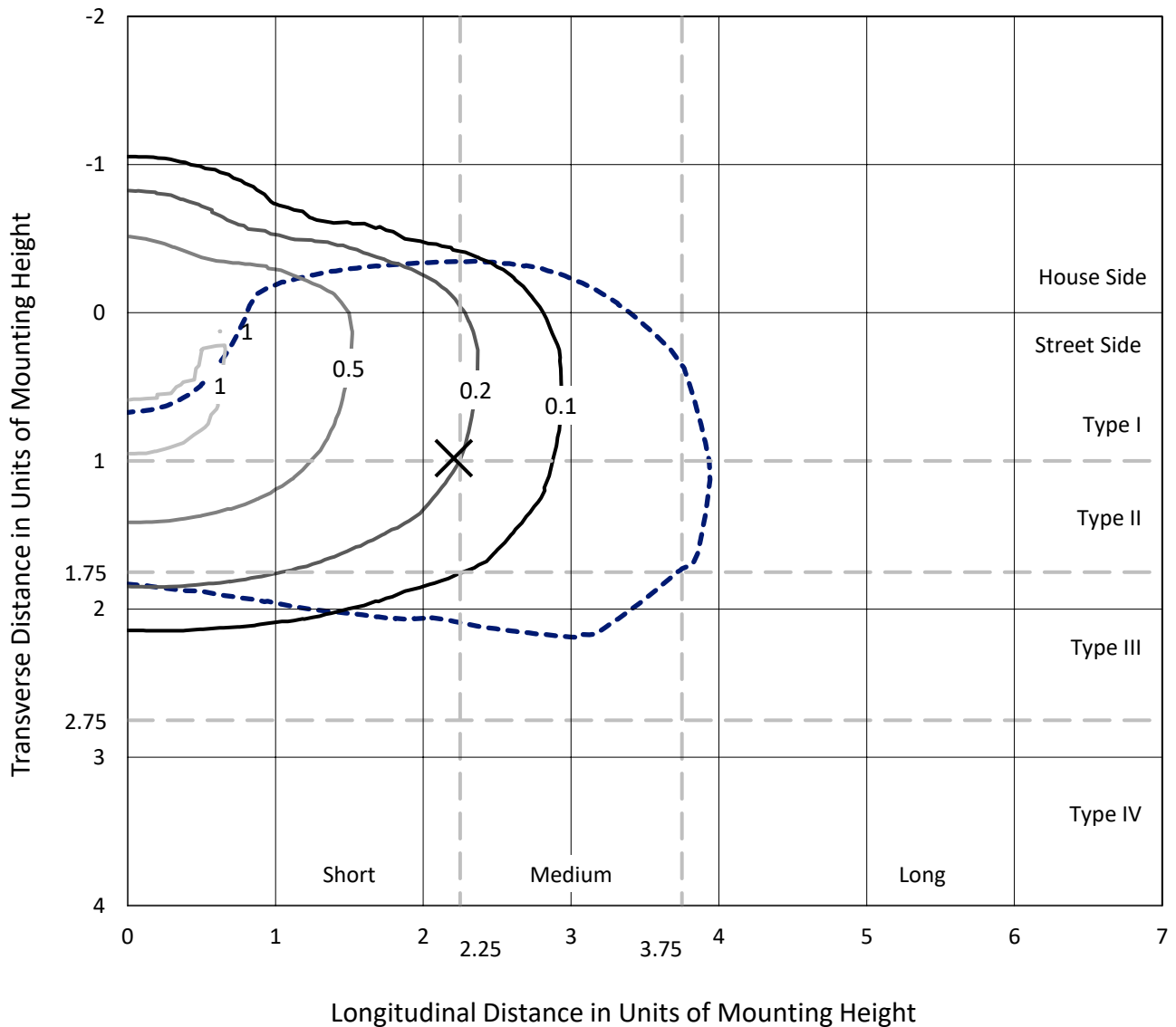
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

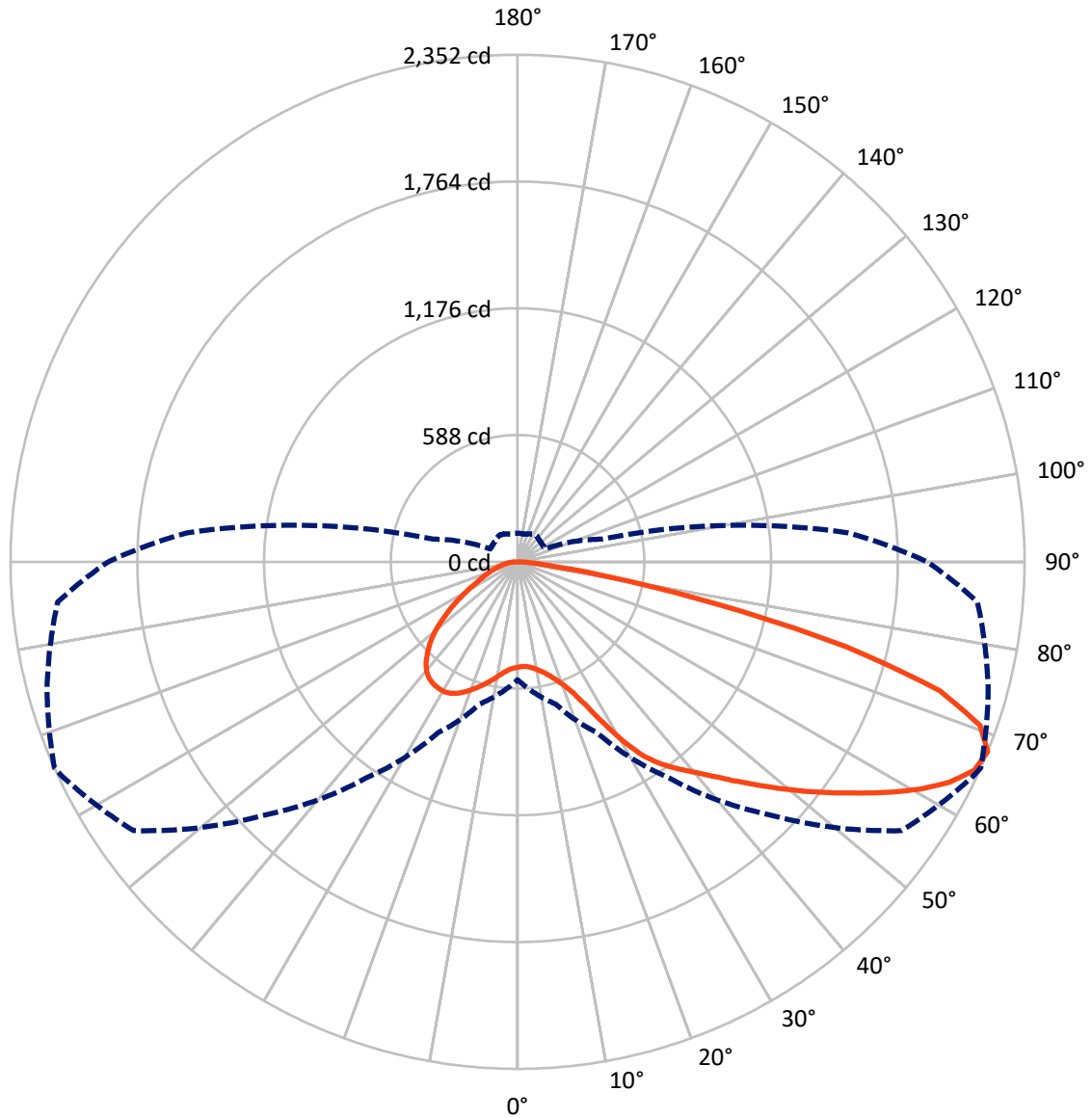
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1095.5	0.0	1095.5
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	3310.5	0.0	3310.5
	% Fixture	75.1	0.0	75.1
Total	Lumens	4406.0	0.0	4406.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.5	1.1
10°-20°	160.1	3.6
20°-30°	308.5	7.0
30°-40°	541.0	12.3
40°-50°	804.3	18.3
50°-60°	1019.5	23.1
60°-70°	997.5	22.6
70°-80°	475.8	10.8
80°-90°	50.9	1.2
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°	4406.0	100.0
0°-180°	4406.0	100.0

Coefficient of Utilization



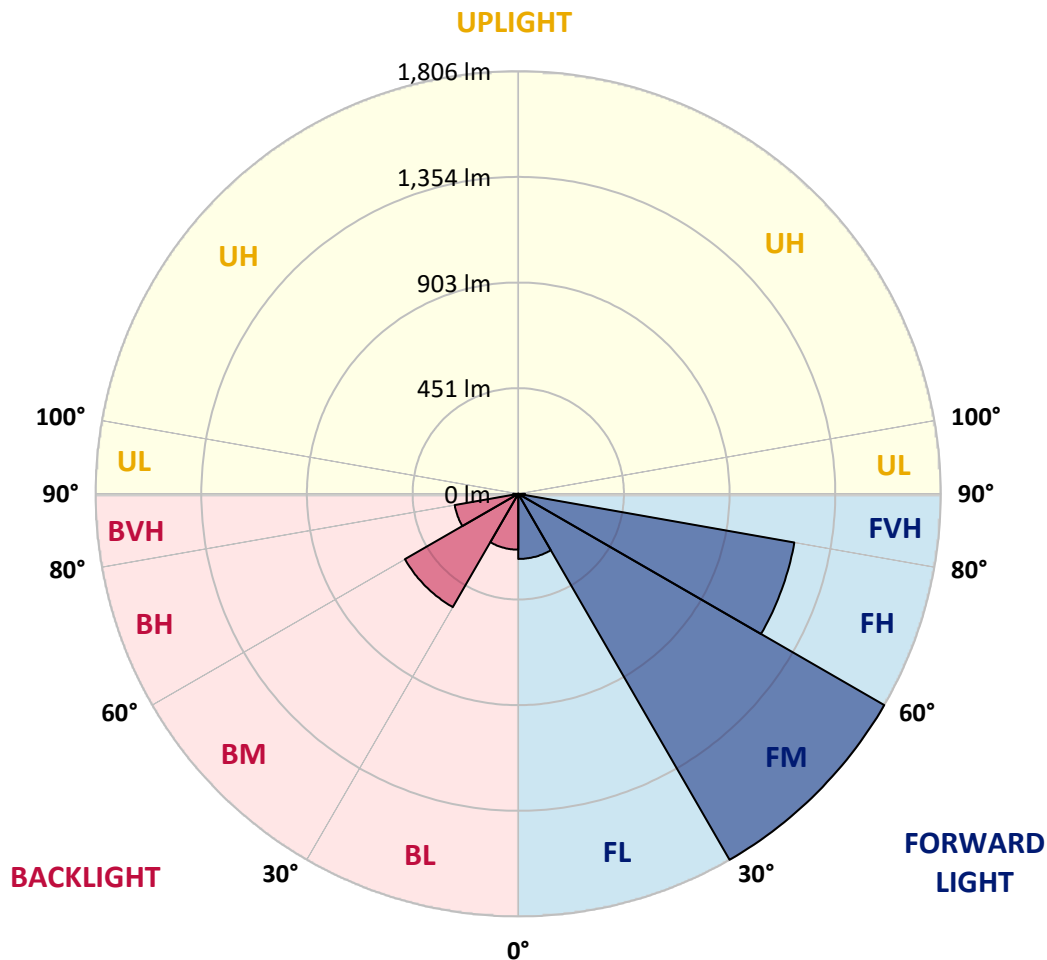
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	278.4	6.3			
FM (30°-60°)	1805.5	41.0			
FH (60°-80°)	1197.7	27.2			G1/1800
FVH (80°-90°)	28.8	0.7			G1/100
BL (0°-30°)	238.6	5.4	B1/500		
BM (30°-60°)	559.2	12.7	B1/1000		
BH (60°-80°)	275.7	6.3	B1/500		G1/500
BVH (80°-90°)	22.0	0.5			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	488.7	488.7	488.7	488.7	488.7	488.7	488.7	488.7	488.7	488.7
2.5°	483.6	486.4	485.7	484.5	484.3	484.7	485.4	486.1	485.9	487.1
5°	482.2	485.0	484.7	484.7	485.7	487.5	488.7	489.8	488.7	490.1
7.5°	483.1	485.2	486.1	487.1	489.4	492.9	495.6	498.2	496.8	498.4
10°	494.9	496.6	497.5	497.5	499.1	503.0	505.8	510.4	509.3	511.8
12.5°	516.5	518.1	518.1	517.2	518.3	520.9	521.8	526.9	524.8	529.0
15°	542.9	546.1	543.5	541.9	542.4	544.9	544.7	548.6	546.6	550.0
17.5°	572.0	576.2	572.0	571.8	570.9	573.6	573.9	577.3	573.6	576.2
20°	606.5	612.3	608.8	610.0	607.9	609.1	610.2	615.3	609.5	611.4
22.5°	655.1	662.1	658.4	662.8	661.4	660.5	660.2	669.2	660.2	660.9
25°	726.0	734.3	727.8	733.8	733.8	736.8	740.3	751.9	736.8	732.4
27.5°	830.6	838.9	826.2	829.9	828.7	836.2	832.5	861.2	845.0	837.8
30°	956.5	971.3	947.3	946.3	945.2	957.0	962.3	981.3	964.9	957.7
32.5°	1092.7	1108.2	1079.5	1071.1	1066.7	1073.9	1069.5	1084.8	1073.4	1062.3
35°	1236.6	1251.9	1224.6	1208.4	1190.8	1175.8	1160.0	1164.0	1153.3	1136.4
37.5°	1372.8	1400.8	1371.8	1354.5	1322.1	1292.7	1248.7	1230.4	1220.4	1204.9
40°	1511.4	1527.4	1505.4	1490.6	1455.4	1409.3	1339.0	1300.3	1286.9	1271.8
42.5°	1613.5	1628.8	1617.0	1606.8	1579.3	1525.8	1434.8	1386.4	1367.0	1350.1
45°	1694.5	1705.9	1698.5	1702.2	1690.4	1638.5	1534.1	1478.8	1458.6	1438.0
47.5°	1727.2	1739.2	1751.0	1773.0	1793.2	1755.0	1640.8	1578.8	1557.5	1536.4
50°	1723.5	1735.7	1770.0	1816.8	1879.3	1866.5	1753.3	1685.3	1665.6	1641.5
52.5°	1693.8	1707.7	1751.7	1829.5	1929.0	1950.1	1867.9	1795.2	1776.7	1748.0
55°	1616.1	1624.4	1690.4	1800.6	1940.8	2008.4	1980.2	1912.4	1893.9	1853.8
57.5°	1471.8	1483.9	1579.9	1722.5	1911.2	2048.0	2078.8	2035.5	2017.7	1960.1
60°	1283.6	1302.8	1412.8	1591.5	1835.7	2047.8	2168.4	2156.6	2141.8	2064.7
62.5°	1070.7	1092.9	1198.7	1406.3	1703.8	1989.7	2224.4	2258.0	2250.4	2161.2
65°	822.3	837.5	942.9	1166.7	1498.5	1864.9	2230.9	2327.2	2328.6	2234.6
67.5°	547.5	591.5	682.9	875.5	1223.4	1661.0	2174.0	2338.6	2352.0	2259.8
70°	267.1	325.0	414.6	569.0	875.5	1348.2	2025.1	2245.5	2275.4	2186.2
72.5°	110.9	129.6	178.5	280.8	502.6	909.8	1726.0	1993.2	2048.5	1937.1
75°	74.8	81.0	102.1	144.0	228.9	448.6	1244.7	1486.2	1575.3	1463.0
77.5°	57.6	61.6	74.3	100.7	136.1	169.7	666.2	895.6	941.7	871.8
80°	45.4	48.4	55.6	73.4	96.5	90.7	227.1	405.8	432.4	362.8
82.5°	39.4	40.5	39.8	49.8	64.1	53.0	74.5	149.8	165.3	119.9
85°	28.5	31.7	33.1	30.8	34.0	26.9	30.6	53.0	58.3	52.1
87.5°	11.6	17.1	21.1	19.9	12.5	7.6	9.5	15.5	17.8	19.4
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°
488.7	0°	488.7	488.7	488.7	488.7	488.7	488.7	488.7	488.7	488.7	488.7
488.9	2.5°	489.1	490.8	491.9	493.3	494.2	495.6	498.4	500.0	500.3	501.4
492.6	5°	493.5	495.9	498.4	502.1	506.3	509.7	515.1	518.8	520.2	521.3
501.6	7.5°	503.0	506.3	510.9	517.4	523.4	528.0	534.5	538.9	543.3	544.9
516.0	10°	517.2	521.8	528.5	537.3	543.8	549.8	556.5	560.2	564.6	566.5
533.1	12.5°	534.8	539.6	548.4	560.7	566.7	570.9	573.2	572.3	573.2	574.8
553.7	15°	554.9	560.2	570.2	583.4	587.5	583.8	578.7	574.1	573.4	573.9
578.7	17.5°	578.7	582.7	594.2	605.4	602.3	587.1	576.0	568.5	564.8	563.7
610.7	20°	612.1	612.1	621.6	628.5	608.4	582.4	565.1	553.0	545.4	542.2
654.2	22.5°	652.6	648.9	654.9	650.0	607.2	569.5	545.4	524.6	513.0	508.4
715.1	25°	704.0	699.6	698.0	667.9	598.9	548.9	509.7	484.5	474.3	471.8
802.8	27.5°	781.5	770.4	749.3	677.6	583.6	516.5	468.1	444.7	438.9	439.1
915.6	30°	884.8	862.5	810.9	679.2	558.6	470.6	425.5	408.8	406.0	407.2
1010.2	32.5°	980.4	959.3	873.9	671.8	520.2	425.7	387.3	376.2	372.0	373.4
1082.5	35°	1055.4	1049.6	932.2	661.4	472.9	383.6	353.0	343.5	335.4	333.6
1150.5	37.5°	1126.2	1123.9	976.0	646.8	426.2	353.7	325.5	313.0	301.2	294.7
1225.8	40°	1204.0	1201.7	1004.7	624.3	384.7	327.8	300.7	284.3	269.7	257.9
1310.9	42.5°	1291.5	1277.8	1018.3	592.2	349.6	305.8	280.6	258.3	239.1	228.3
1407.3	45°	1387.1	1356.3	1018.1	551.2	319.9	285.7	259.0	227.6	209.7	199.5
1506.1	47.5°	1488.5	1431.3	1005.6	505.8	291.2	263.4	225.7	201.6	189.8	183.6
1613.5	50°	1593.1	1501.5	984.3	453.7	261.8	238.2	204.9	188.4	179.4	173.6
1720.0	52.5°	1691.5	1565.1	958.6	394.7	232.0	213.7	195.6	182.9	173.4	166.9
1823.2	55°	1783.0	1620.0	922.3	334.3	207.7	197.2	191.2	180.6	169.7	162.0
1928.1	57.5°	1864.2	1655.6	859.5	277.6	190.3	185.9	186.6	176.6	164.1	157.6
2031.4	60°	1931.8	1681.8	766.7	225.0	176.2	174.8	179.4	169.2	154.6	147.2
2118.6	62.5°	1972.3	1681.3	652.8	184.3	164.1	164.6	169.9	160.0	145.1	138.2
2164.2	65°	1968.9	1640.1	527.8	157.6	152.6	153.0	160.0	149.8	137.3	133.1
2141.3	67.5°	1899.2	1539.7	404.9	140.3	139.8	141.9	150.0	142.8	132.4	132.0
2004.7	70°	1710.5	1331.1	291.7	126.4	126.6	129.6	140.3	138.4	129.9	130.8
1685.5	72.5°	1371.6	1014.9	195.8	111.8	112.0	116.9	131.0	135.0	127.3	139.6
1195.9	75°	913.5	632.9	125.9	96.3	96.5	102.8	122.9	128.2	120.4	139.1
622.3	77.5°	438.9	284.5	91.2	81.0	81.0	86.8	106.3	114.8	102.6	108.1
200.0	80°	151.6	107.0	71.8	65.3	63.9	67.8	89.6	99.5	88.4	81.5
65.3	82.5°	59.7	55.6	57.6	50.7	46.1	48.6	69.7	82.2	65.0	58.8
36.8	85°	34.3	36.1	40.7	33.6	26.6	29.9	51.2	59.0	49.1	43.3
12.0	87.5°	9.3	12.7	18.8	17.4	12.0	12.7	24.3	32.6	28.2	21.8
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

<u>180°</u>
488.7
501.2
521.1
545.2
567.4
575.3
575.5
565.3
541.5
507.7
472.2
439.8
411.1
375.3
335.0
294.9
259.0
228.9
199.1
182.2
171.5
164.1
159.0
153.5
144.0
136.1
132.9
132.6
130.6
141.4
140.3
99.1
76.4
58.6
44.2
22.5
0.0

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