

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: P852482

Luminaire Tested: **GLAN-SB4A-930-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852482
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4A-930-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9183 lumens
Efficiency: N/A
Efficacy: 80.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

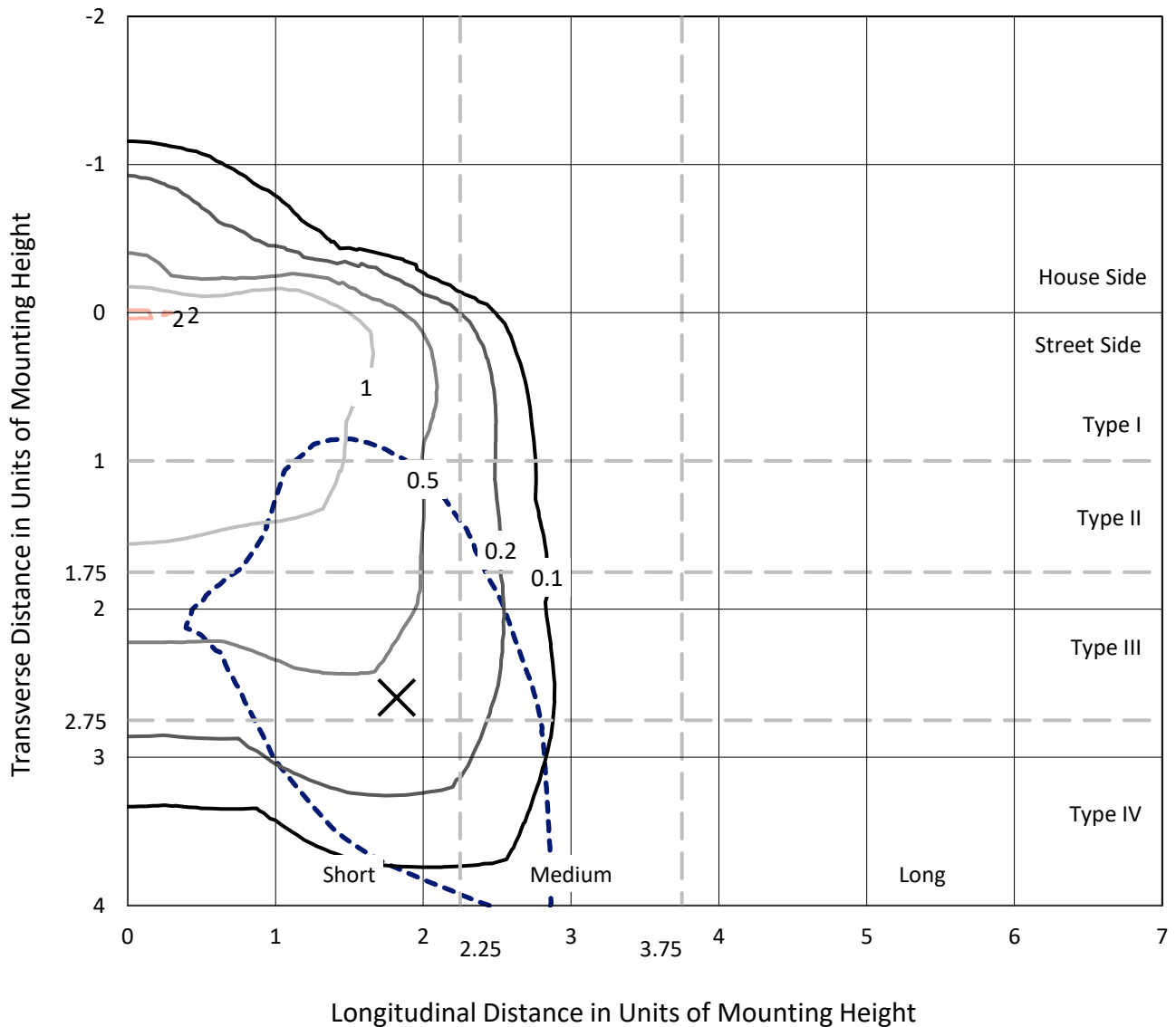
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

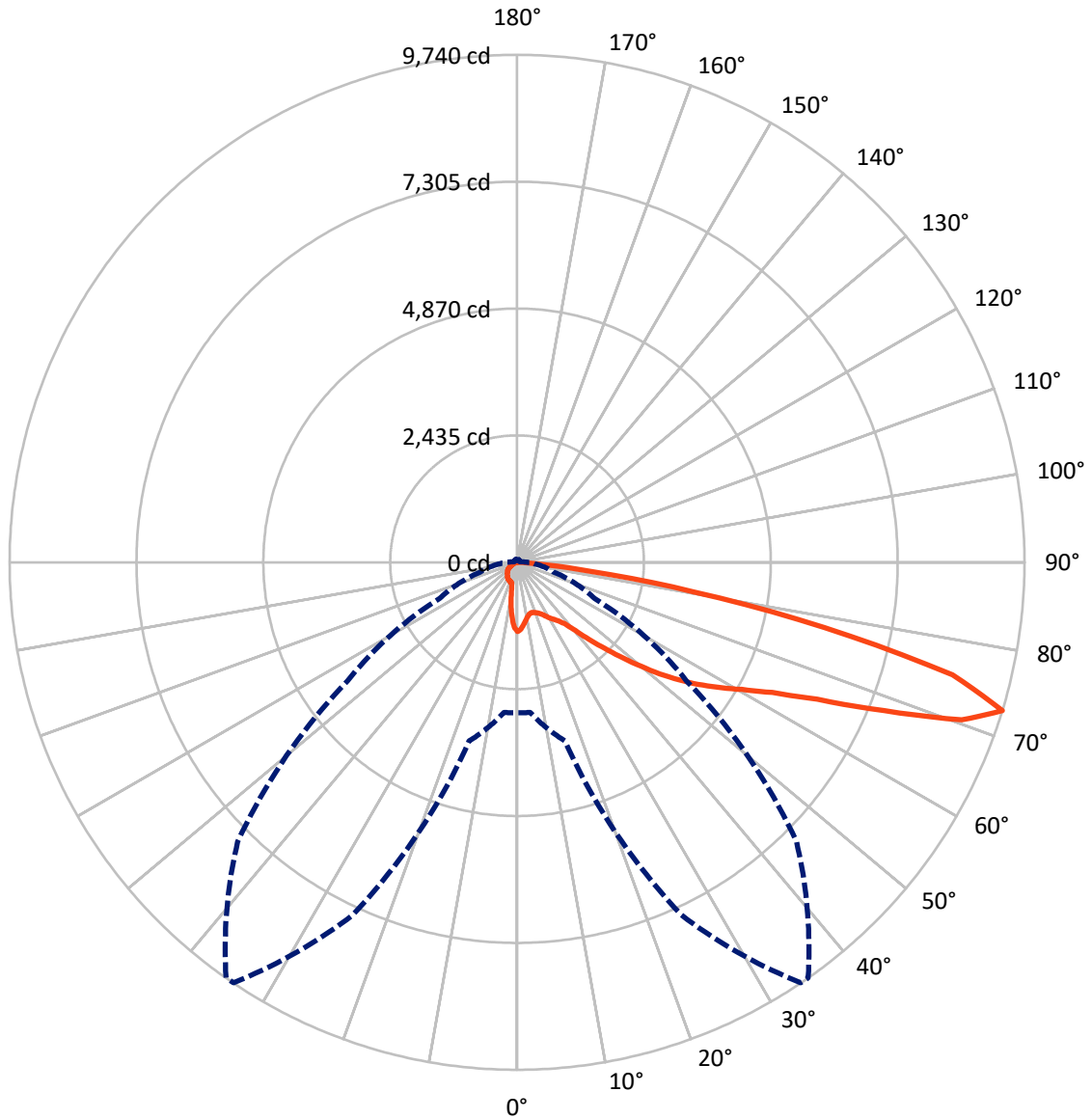
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1033.5	0.0	1033.5
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	8149.5	0.0	8149.5
	% Fixture	88.7	0.0	88.7
Total	Lumens	9183.0	0.0	9183.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.4	1.2
10°-20°	255.9	2.8
20°-30°	415.6	4.5
30°-40°	693.5	7.6
40°-50°	1312.0	14.3
50°-60°	2084.8	22.7
60°-70°	2579.1	28.1
70°-80°	1603.2	17.5
80°-90°	129.6	1.4
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°	9183.0	100.0
0°-180°	9183.0	100.0

Coefficient of Utilization



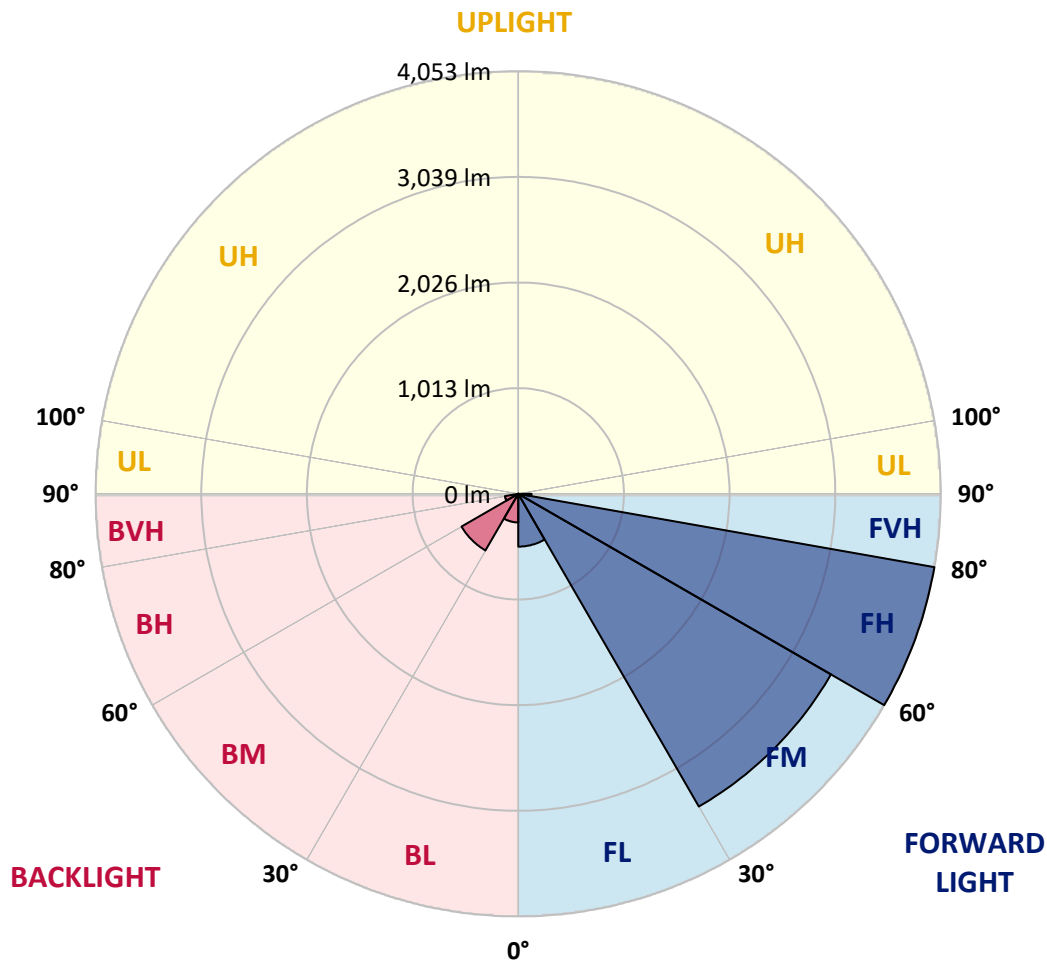
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	506.2	5.5			
FM (30°-60°)	3462.9	37.7			
FH (60°-80°)	4052.6	44.1			G2/5000
FVH (80°-90°)	127.8	1.4			G2/225
BL (0°-30°)	274.6	3.0	B1/500		
BM (30°-60°)	627.4	6.8	B1/1000		
BH (60°-80°)	129.7	1.4	B1/500		G1/500
BVH (80°-90°)	1.8	0.0			G0/10
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°	34°	35°	45°	55°	65°	75°
0°	1330.9	1330.9	1330.9	1330.9	1330.9	1330.9	1330.9	1330.9	1330.9	1330.9
2.5°	1271.7	1282.5	1284.5	1287.9	1287.9	1291.9	1298.6	1308.0	1323.5	1331.6
5°	1172.1	1180.2	1190.3	1198.4	1213.8	1215.9	1242.1	1267.7	1303.3	1330.3
7.5°	1071.9	1081.3	1094.7	1114.3	1134.4	1140.5	1180.2	1223.3	1279.8	1330.3
10°	1001.2	1001.9	1014.0	1033.5	1065.8	1073.2	1121.7	1182.9	1253.5	1322.2
12.5°	961.5	966.2	971.6	986.4	1017.4	1022.1	1073.9	1145.9	1227.3	1317.5
15°	961.5	964.9	968.3	975.7	1000.5	1004.6	1050.3	1122.3	1213.8	1319.5
17.5°	971.6	977.0	974.3	983.1	1009.3	1012.0	1052.4	1115.6	1213.2	1332.3
20°	995.8	999.9	994.5	999.9	1026.1	1031.5	1073.2	1128.4	1224.6	1354.5
22.5°	1034.2	1036.2	1023.4	1027.5	1054.4	1061.1	1109.6	1164.7	1252.2	1390.1
25°	1082.6	1086.7	1067.2	1071.9	1097.4	1105.5	1161.4	1219.2	1295.9	1439.3
27.5°	1138.5	1140.5	1123.7	1123.0	1156.0	1167.4	1223.9	1286.5	1354.5	1501.2
30°	1202.4	1208.5	1192.3	1189.6	1231.3	1240.8	1296.6	1369.3	1440.6	1594.0
32.5°	1252.9	1257.6	1248.2	1254.9	1297.3	1304.7	1384.8	1486.4	1575.8	1725.9
35°	1325.5	1328.2	1306.7	1318.8	1367.3	1386.1	1505.2	1650.5	1746.1	1891.4
37.5°	1588.6	1588.6	1497.1	1437.2	1483.7	1500.5	1670.0	1857.1	1956.0	2113.5
40°	1952.7	1946.6	1812.7	1690.2	1684.2	1717.1	1904.9	2117.5	2227.2	2379.9
42.5°	2340.9	2331.5	2149.1	2028.0	2007.8	2019.3	2176.0	2438.5	2550.2	2704.9
45°	2685.4	2682.7	2515.8	2353.0	2316.7	2353.0	2514.5	2813.9	2894.0	3056.8
47.5°	2974.1	2974.1	2852.3	2746.0	2727.1	2748.6	2972.7	3230.4	3223.0	3431.6
50°	3306.5	3303.8	3188.0	3142.3	3161.8	3192.1	3500.2	3669.1	3563.5	3799.7
52.5°	3539.3	3555.4	3515.7	3508.3	3607.9	3660.4	4035.8	4098.4	3868.3	4148.9
55°	3723.6	3742.5	3788.2	3840.0	4031.8	4100.4	4554.6	4505.5	4123.3	4451.7
57.5°	3984.7	3957.8	4028.4	4130.7	4440.9	4523.7	5057.2	4889.7	4328.5	4697.3
60°	4301.6	4305.7	4317.8	4447.0	4849.3	4955.6	5552.5	5253.0	4460.4	4848.0
62.5°	4682.5	4688.5	4713.4	4911.9	5397.7	5498.0	6080.0	5550.5	4521.0	4805.6
65°	4656.2	4681.8	4959.7	5638.6	6231.4	6330.3	6695.7	5759.0	4429.5	4418.0
67.5°	4241.7	4283.5	4748.4	6506.6	7488.3	7598.7	7439.9	5800.1	4034.5	3435.6
70°	3698.1	3712.9	4272.0	7287.1	8943.7	9055.4	8106.0	5348.6	3061.5	1916.3
72.5°	2887.9	2891.3	3547.3	7468.1	9733.6	9739.7	7583.2	3970.6	1646.5	736.1
75°	2063.0	2042.8	2375.9	6056.4	8563.5	8632.2	5685.0	1862.5	629.1	347.9
77.5°	1106.2	1128.4	1344.4	3591.7	5915.8	6032.9	3101.9	536.9	320.3	236.8
80°	341.8	360.7	551.1	1644.5	3350.9	3421.5	1149.9	238.9	223.4	168.9
82.5°	107.7	111.7	257.0	691.0	1390.8	1423.1	333.1	135.2	152.7	111.7
85°	31.0	31.6	114.4	257.7	343.8	350.6	93.5	52.5	87.5	69.3
87.5°	3.4	10.8	43.1	43.1	30.3	29.6	10.1	11.4	24.9	8.7
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°
1330.9	0°	1330.9	1330.9	1330.9	1330.9	1330.9	1330.9	1330.9	1330.9	1330.9	1330.9
1337.0	2.5°	1333.6	1334.3	1325.5	1310.7	1294.6	1281.1	1264.3	1250.9	1241.4	1238.7
1349.1	5°	1343.0	1338.3	1313.4	1268.3	1214.5	1168.1	1116.3	1075.2	1048.3	1036.9
1361.9	7.5°	1357.2	1343.7	1289.2	1200.4	1097.4	1005.9	913.1	841.1	795.3	772.4
1374.0	10°	1369.3	1342.4	1248.8	1102.2	944.7	806.1	680.9	594.1	545.7	522.8
1388.1	12.5°	1380.7	1341.7	1196.4	985.7	772.4	602.9	486.5	443.4	430.0	425.2
1411.0	15°	1402.2	1343.7	1130.4	852.5	600.9	455.5	413.1	412.5	415.2	413.8
1446.0	17.5°	1431.9	1345.7	1055.7	711.2	463.6	401.7	399.7	405.7	409.8	407.8
1489.7	20°	1470.2	1353.8	976.3	571.3	398.3	388.2	393.0	398.3	401.7	398.3
1548.3	22.5°	1524.0	1367.9	889.5	458.9	377.5	380.2	384.2	390.3	393.6	388.9
1622.9	25°	1590.0	1390.1	804.1	399.0	367.4	370.7	376.8	383.5	387.6	382.9
1717.1	27.5°	1675.4	1425.8	725.3	385.6	357.3	359.3	368.1	378.1	383.5	377.5
1851.0	30°	1799.2	1484.3	657.4	391.6	351.2	346.5	358.6	372.8	378.8	373.4
2033.4	32.5°	1963.4	1567.1	615.7	401.0	348.5	331.7	343.2	361.3	371.4	368.1
2271.6	35°	2178.7	1692.9	599.5	411.8	346.5	316.2	324.3	343.8	361.3	364.7
2571.7	37.5°	2439.8	1867.9	604.2	416.5	340.5	303.5	307.5	324.3	347.2	358.0
2909.5	40°	2736.5	2071.7	631.1	411.8	333.7	292.7	293.4	306.2	326.3	342.5
3272.8	42.5°	3042.7	2309.9	680.9	394.3	327.7	283.3	281.3	290.0	303.5	314.9
3635.5	45°	3334.0	2554.9	730.1	370.1	320.3	273.9	269.1	272.5	275.2	279.9
3988.7	47.5°	3588.4	2727.1	715.9	347.9	310.2	263.1	255.0	253.7	245.6	244.9
4304.3	50°	3764.0	2764.8	635.9	325.7	295.4	251.0	238.2	230.1	216.0	209.3
4540.5	52.5°	3819.8	2616.1	519.5	303.5	271.2	234.8	216.7	203.9	186.4	180.3
4676.4	55°	3745.8	2324.7	415.2	276.5	237.5	213.3	193.1	176.3	162.2	154.8
4691.2	57.5°	3564.8	1954.0	328.4	244.9	201.9	189.1	168.9	152.1	140.0	132.6
4527.0	60°	3264.7	1551.6	259.7	207.2	172.3	162.8	142.0	131.2	120.4	111.7
4103.1	62.5°	2809.2	1107.5	203.9	164.2	144.0	133.2	121.1	113.0	100.3	88.1
3340.8	65°	2192.2	677.6	157.5	120.4	115.7	110.3	102.9	95.5	80.1	68.0
2179.4	67.5°	1382.7	321.0	112.4	90.8	91.5	88.8	85.5	79.4	68.0	57.2
976.3	70°	608.9	155.4	74.0	69.3	68.0	68.0	70.7	68.6	57.9	47.8
339.1	72.5°	207.2	83.4	55.2	52.5	49.1	48.4	59.2	57.2	46.4	37.0
168.9	75°	108.3	55.8	40.4	37.7	29.6	35.7	47.1	44.4	33.0	24.2
111.7	77.5°	70.7	39.7	27.6	24.2	16.8	23.6	35.0	31.0	19.5	12.1
73.3	80°	44.4	26.2	16.1	11.4	8.1	12.8	18.8	13.5	7.4	2.7
43.1	82.5°	23.6	13.5	6.1	4.0	3.4	4.0	4.7	3.4	1.3	0.0
22.2	85°	9.4	4.7	2.0	1.3	0.7	0.0	1.3	0.7	0.0	0.0
4.0	87.5°	3.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
1330.9
1243.5
1040.9
775.8
523.5
423.9
413.1
407.1
397.7
388.2
382.2
377.5
372.8
368.1
364.7
360.7
347.9
319.6
282.6
244.2
209.9
179.7
154.8
131.2
109.7
86.1
65.9
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22.2
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