

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: P852322

Luminaire Tested: **GLAN-SB3A-727-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852322
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-SB3A-727-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2700K, 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: 9062 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

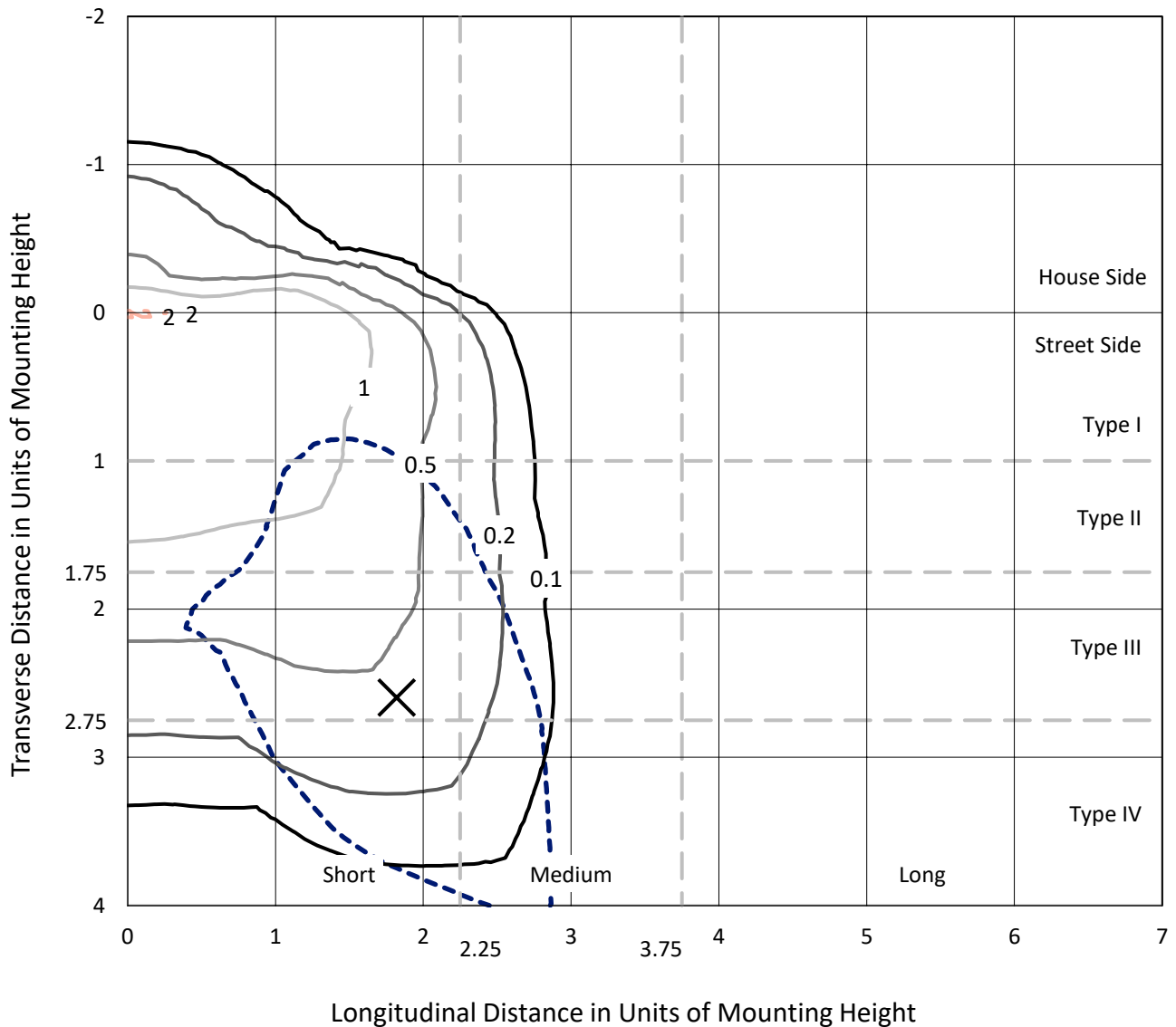
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

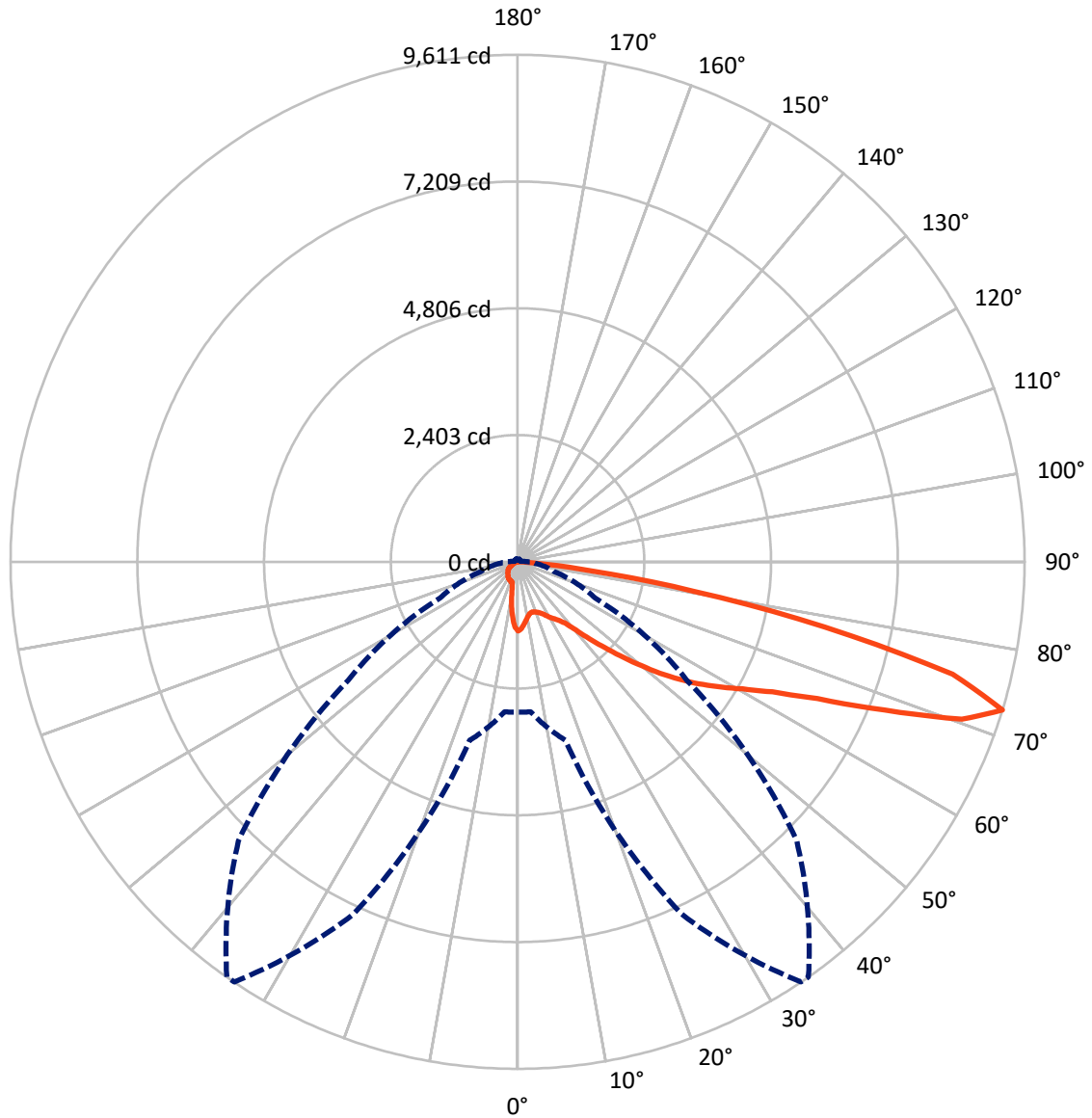
× Max cd
 - - - 1/2 Max cd



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	1019.9	0.0	1019.9
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	8042.1	0.0	8042.1
	% Fixture	88.7	0.0	88.7
Total	Lumens	9062.0	0.0	9062.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.9	1.2
10°-20°	252.5	2.8
20°-30°	410.1	4.5
30°-40°	684.3	7.6
40°-50°	1294.8	14.3
50°-60°	2057.4	22.7
60°-70°	2545.1	28.1
70°-80°	1582.0	17.5
80°-90°	127.9	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°	9062.0	100.0
0°-180°	9062.0	100.0

Coefficient of Utilization



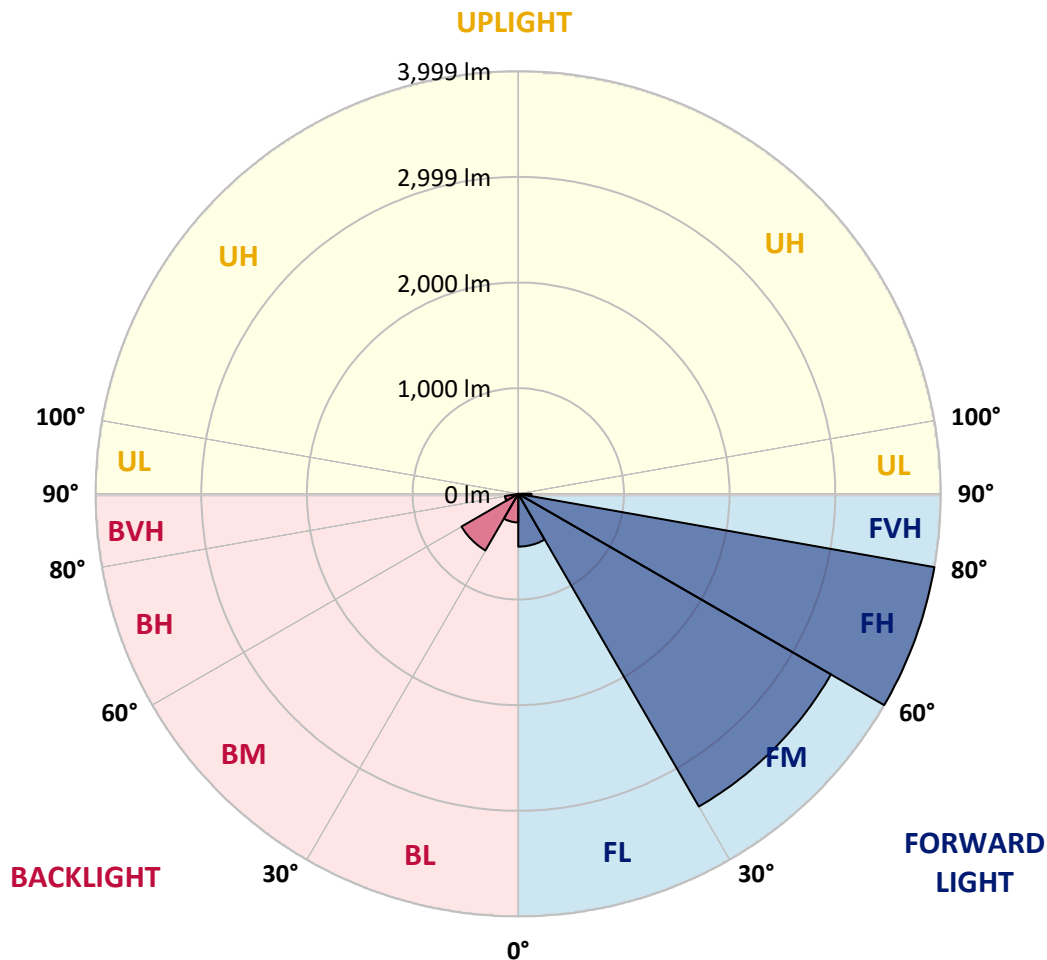
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	499.5	5.5			
FM	(30°-60°)	3417.3	37.7			
FH	(60°-80°)	3999.2	44.1			G2/5000
FVH	(80°-90°)	126.1	1.4			G2/225
BL	(0°-30°)	271.0	3.0	B1/500		
BM	(30°-60°)	619.2	6.8	B1/1000		
BH	(60°-80°)	128.0	1.4	B1/500		G1/500
BVH	(80°-90°)	1.7	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°	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4
2.5°	1255.0	1265.6	1267.6	1270.9	1270.9	1274.9	1281.5	1290.8	1306.1	1314.1
5°	1156.7	1164.7	1174.6	1182.6	1197.9	1199.8	1225.7	1251.0	1286.2	1312.7
7.5°	1057.7	1067.0	1080.3	1099.6	1119.5	1125.5	1164.7	1207.1	1262.9	1312.7
10°	988.0	988.7	1000.6	1019.9	1051.8	1059.1	1106.9	1167.3	1237.0	1304.8
12.5°	948.9	953.5	958.8	973.4	1004.0	1008.6	1059.7	1130.8	1211.1	1300.1
15°	948.9	952.2	955.5	962.8	987.4	991.3	1036.5	1107.5	1197.9	1302.1
17.5°	958.8	964.1	961.5	970.1	996.0	998.7	1038.5	1100.9	1197.2	1314.7
20°	982.7	986.7	981.4	986.7	1012.6	1017.9	1059.1	1113.5	1208.5	1336.6
22.5°	1020.6	1022.6	1009.9	1013.9	1040.5	1047.1	1094.9	1149.4	1235.7	1371.8
25°	1068.4	1072.4	1053.1	1057.7	1083.0	1090.9	1146.1	1203.2	1278.9	1420.3
27.5°	1123.5	1125.5	1108.9	1108.2	1140.7	1152.0	1207.8	1269.6	1336.6	1481.4
30°	1186.6	1192.5	1176.6	1173.9	1215.1	1224.4	1279.5	1351.2	1421.6	1573.0
32.5°	1236.4	1241.0	1231.7	1238.4	1280.2	1287.5	1366.5	1466.8	1555.1	1703.2
35°	1308.1	1310.7	1289.5	1301.4	1349.2	1367.8	1485.4	1628.8	1723.1	1866.5
37.5°	1567.7	1567.7	1477.4	1418.3	1464.1	1480.7	1648.0	1832.6	1930.2	2085.6
40°	1926.9	1920.9	1788.8	1668.0	1662.0	1694.5	1879.8	2089.6	2197.8	2348.6
42.5°	2310.0	2300.8	2120.8	2001.3	1981.4	1992.7	2147.4	2406.3	2516.6	2669.3
45°	2650.0	2647.4	2482.7	2322.0	2286.1	2322.0	2481.4	2776.8	2855.9	3016.5
47.5°	2934.9	2934.9	2814.7	2709.8	2691.2	2712.4	2933.5	3187.9	3180.5	3386.4
50°	3262.9	3260.2	3146.0	3100.9	3120.1	3150.0	3454.1	3620.8	3516.5	3749.6
52.5°	3492.6	3508.6	3469.4	3462.1	3560.4	3612.1	3982.7	4044.4	3817.3	4094.2
55°	3674.6	3693.2	3738.3	3789.4	3978.7	4046.4	4494.6	4446.1	4069.0	4393.0
57.5°	3932.2	3905.6	3975.4	4076.3	4382.4	4464.1	4990.6	4825.3	4271.5	4635.4
60°	4244.9	4248.9	4260.9	4388.4	4785.4	4890.3	5479.3	5183.8	4401.6	4784.1
62.5°	4620.8	4626.7	4651.3	4847.2	5326.6	5425.5	5999.9	5477.3	4461.4	4742.3
65°	4594.9	4620.1	4894.3	5564.3	6149.3	6246.9	6607.4	5683.2	4371.1	4359.8
67.5°	4185.8	4227.0	4685.8	6420.9	7389.6	7498.5	7341.8	5723.7	3981.3	3390.4
70°	3649.3	3663.9	4215.7	7191.1	8825.9	8936.1	7999.2	5278.1	3021.2	1891.1
72.5°	2849.9	2853.2	3500.6	7369.7	9605.4	9611.4	7483.3	3918.3	1624.8	726.4
75°	2035.8	2015.9	2344.6	5976.6	8450.7	8518.4	5610.1	1837.9	620.8	343.3
77.5°	1091.6	1113.5	1326.7	3544.4	5837.9	5953.4	3061.0	529.9	316.1	233.7
80°	337.3	355.9	543.8	1622.8	3306.7	3376.4	1134.8	235.7	220.4	166.7
82.5°	106.2	110.2	253.6	681.9	1372.5	1404.4	328.7	133.5	150.7	110.2
85°	30.5	31.2	112.9	254.3	339.3	345.9	92.3	51.8	86.3	68.4
87.5°	3.3	10.6	42.5	42.5	29.9	29.2	10.0	11.3	24.6	8.6
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°
1313.4	0°	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4	1313.4
1319.4	2.5°	1316.0	1316.7	1308.1	1293.5	1277.5	1264.3	1247.7	1234.4	1225.1	1222.4
1331.3	5°	1325.3	1320.7	1296.1	1251.6	1198.5	1152.7	1101.6	1061.1	1034.5	1023.2
1343.9	7.5°	1339.3	1326.0	1272.2	1184.6	1083.0	992.7	901.0	830.0	784.8	762.3
1355.9	10°	1351.2	1324.7	1232.4	1087.6	932.3	795.5	672.0	586.3	538.5	515.9
1369.8	12.5°	1362.5	1324.0	1180.6	972.8	762.3	594.9	480.1	437.6	424.3	419.6
1392.4	15°	1383.8	1326.0	1115.5	841.3	593.0	449.5	407.7	407.0	409.7	408.4
1426.9	17.5°	1413.0	1328.0	1041.8	701.8	457.5	396.4	394.4	400.4	404.4	402.4
1470.1	20°	1450.8	1336.0	963.5	563.7	393.1	383.1	387.8	393.1	396.4	393.1
1527.9	22.5°	1504.0	1349.9	877.8	452.8	372.5	375.2	379.1	385.1	388.4	383.8
1601.6	25°	1569.0	1371.8	793.5	393.8	362.5	365.9	371.8	378.5	382.5	377.8
1694.5	27.5°	1653.4	1407.0	715.8	380.5	352.6	354.6	363.2	373.2	378.5	372.5
1826.7	30°	1775.5	1464.8	648.7	386.4	346.6	342.0	353.9	367.9	373.8	368.5
2006.6	32.5°	1937.5	1546.5	607.6	395.7	344.0	327.4	338.6	356.6	366.5	363.2
2241.7	35°	2150.0	1670.6	591.6	406.4	342.0	312.1	320.0	339.3	356.6	359.9
2537.8	37.5°	2407.7	1843.3	596.3	411.0	336.0	299.5	303.4	320.0	342.6	353.2
2871.1	40°	2700.5	2044.4	622.8	406.4	329.3	288.8	289.5	302.1	322.0	338.0
3229.7	42.5°	3002.6	2279.5	672.0	389.1	323.4	279.5	277.6	286.2	299.5	310.8
3587.6	45°	3290.1	2521.2	720.4	365.2	316.1	270.2	265.6	268.9	271.6	276.2
3936.2	47.5°	3541.1	2691.2	706.5	343.3	306.1	259.6	251.7	250.3	242.4	241.7
4247.6	50°	3714.4	2728.4	627.5	321.4	291.5	247.7	235.1	227.1	213.1	206.5
4480.7	52.5°	3769.5	2581.6	512.6	299.5	267.6	231.7	213.8	201.2	183.9	178.0
4614.8	55°	3696.5	2294.1	409.7	272.9	234.4	210.5	190.6	174.0	160.0	152.7
4629.4	57.5°	3517.9	1928.2	324.0	241.7	199.2	186.6	166.7	150.1	138.1	130.8
4467.4	60°	3221.7	1531.2	256.3	204.5	170.0	160.7	140.1	129.5	118.9	110.2
4049.1	62.5°	2772.2	1092.9	201.2	162.0	142.1	131.5	119.5	111.6	98.9	87.0
3296.7	65°	2163.3	668.6	155.4	118.9	114.2	108.9	101.6	94.3	79.0	67.1
2150.7	67.5°	1364.5	316.7	110.9	89.6	90.3	87.6	84.3	78.4	67.1	56.4
963.5	70°	600.9	153.4	73.0	68.4	67.1	67.1	69.7	67.7	57.1	47.1
334.7	72.5°	204.5	82.3	54.4	51.8	48.5	47.8	58.4	56.4	45.8	36.5
166.7	75°	106.9	55.1	39.8	37.2	29.2	35.2	46.5	43.8	32.5	23.9
110.2	77.5°	69.7	39.2	27.2	23.9	16.6	23.2	34.5	30.5	19.3	12.0
72.4	80°	43.8	25.9	15.9	11.3	8.0	12.6	18.6	13.3	7.3	2.7
42.5	82.5°	23.2	13.3	6.0	4.0	3.3	4.0	4.6	3.3	1.3	0.0
21.9	85°	9.3	4.6	2.0	1.3	0.7	0.0	1.3	0.7	0.0	0.0
4.0	87.5°	3.3	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°
1313.4
1227.1
1027.2
765.6
516.6
418.3
407.7
401.7
392.4
383.1
377.2
372.5
367.9
363.2
359.9
355.9
343.3
315.4
278.9
241.0
207.2
177.3
152.7
129.5
108.2
85.0
65.1
55.1
45.2
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21.9
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