

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: P852266

Luminaire Tested: **GLAN-SB2C-827-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852266
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-SB2C-827-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 2700K, 615mA 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: 9041 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

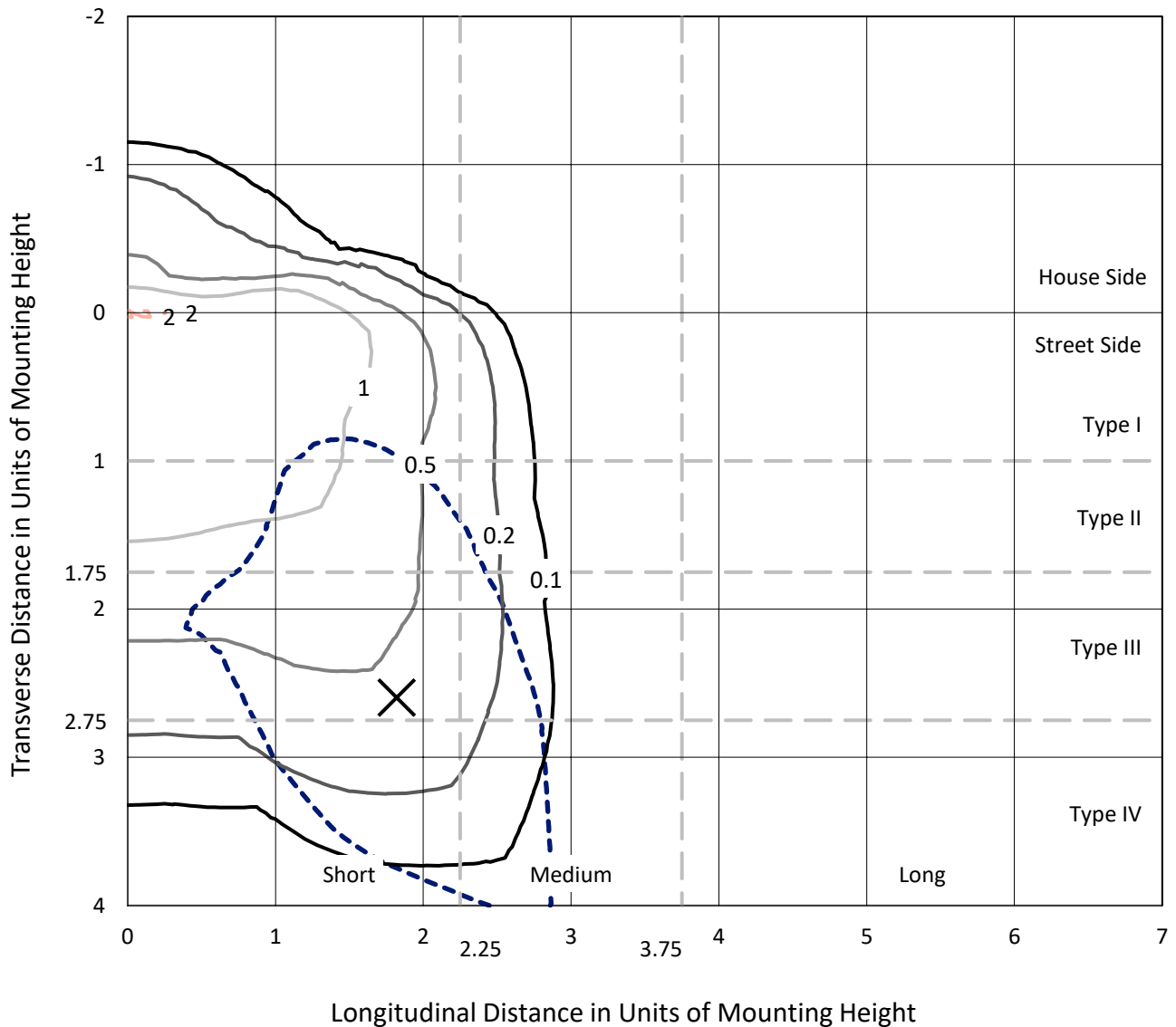
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

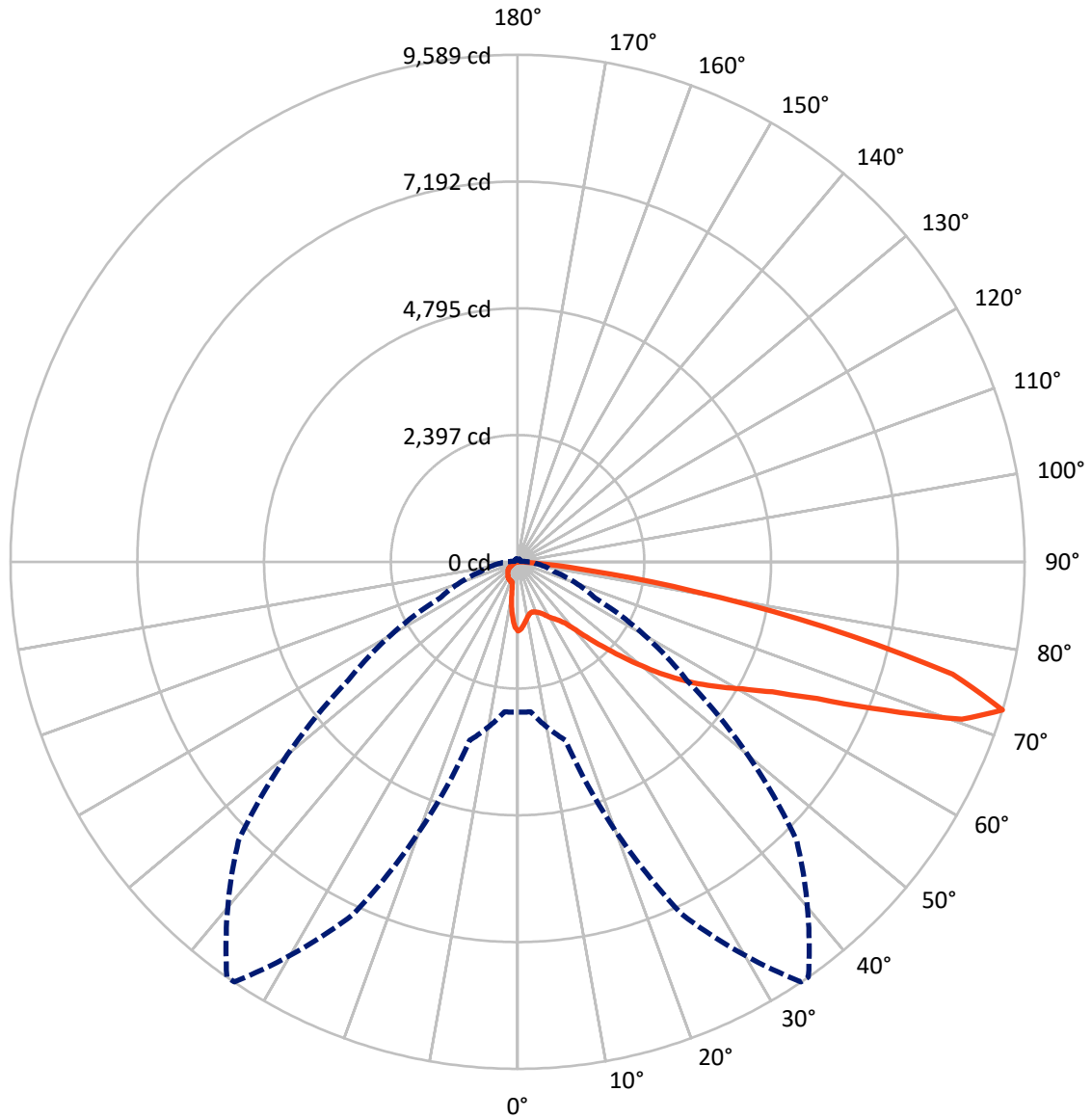
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	1017.5	0.0	1017.5
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	8023.5	0.0	8023.5
	% Fixture	88.7	0.0	88.7
Total	Lumens	9041.0	0.0	9041.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.7	1.2
10°-20°	251.9	2.8
20°-30°	409.2	4.5
30°-40°	682.7	7.6
40°-50°	1291.8	14.3
50°-60°	2052.6	22.7
60°-70°	2539.2	28.1
70°-80°	1578.4	17.5
80°-90°	127.6	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°	9041.0	100.0
0°-180°	9041.0	100.0

Coefficient of Utilization

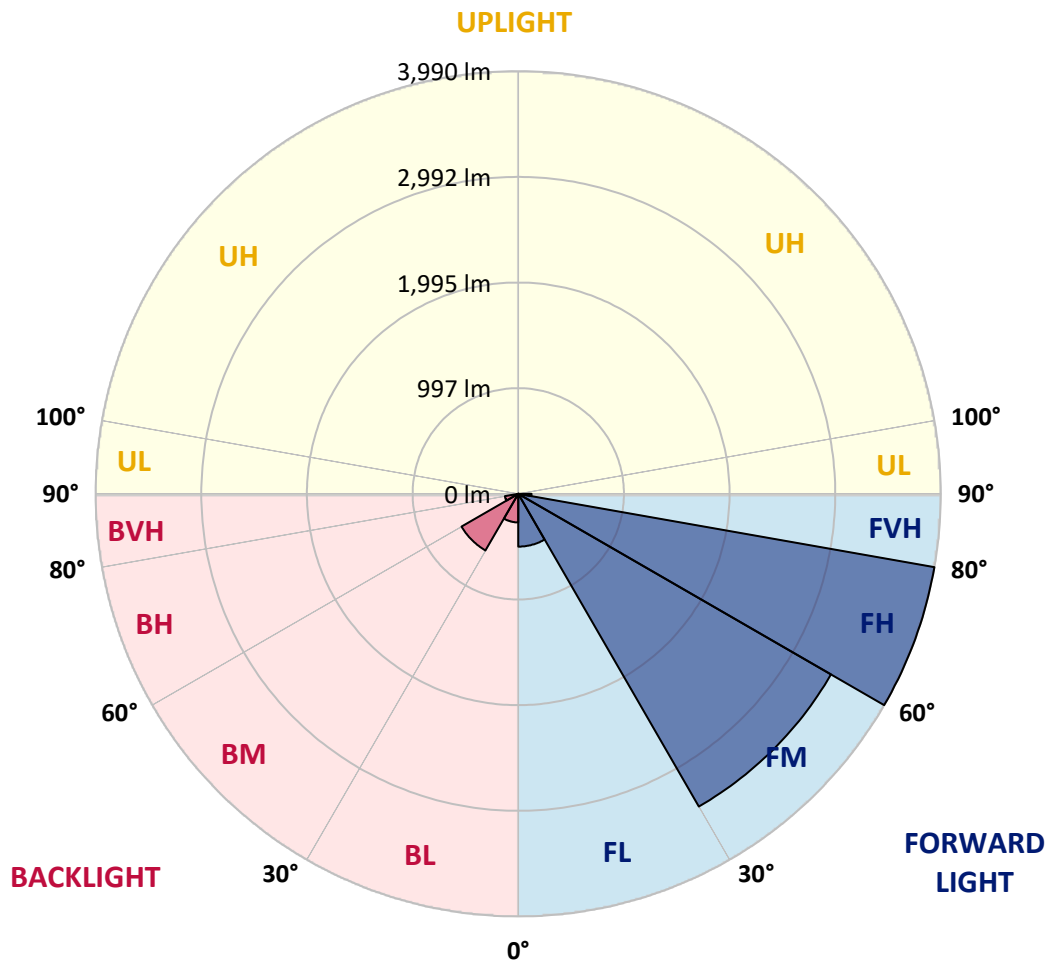


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	498.4	5.5			
FM (30°-60°)	3409.4	37.7			
FH (60°-80°)	3989.9	44.1			G2/5000
FVH (80°-90°)	125.8	1.4			G2/225
BL (0°-30°)	270.4	3.0	B1/500		
BM (30°-60°)	617.7	6.8	B1/1000		
BH (60°-80°)	127.7	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°	1310.3	1310.3	1310.3	1310.3	1310.3	1310.3	1310.3	1310.3	1310.3	1310.3
2.5°	1252.0	1262.6	1264.6	1267.9	1267.9	1271.9	1278.5	1287.8	1303.1	1311.0
5°	1154.0	1162.0	1171.9	1179.8	1195.1	1197.1	1222.9	1248.1	1283.2	1309.7
7.5°	1055.3	1064.6	1077.8	1097.0	1116.9	1122.9	1162.0	1204.4	1260.0	1309.7
10°	985.7	986.4	998.3	1017.5	1049.3	1056.6	1104.3	1164.6	1234.2	1301.7
12.5°	946.7	951.3	956.6	971.2	1001.6	1006.3	1057.3	1128.2	1208.3	1297.1
15°	946.7	950.0	953.3	960.6	985.1	989.1	1034.1	1105.0	1195.1	1299.1
17.5°	956.6	961.9	959.2	967.9	993.7	996.3	1036.1	1098.4	1194.4	1311.7
20°	980.4	984.4	979.1	984.4	1010.3	1015.5	1056.6	1110.9	1205.7	1333.5
22.5°	1018.2	1020.2	1007.6	1011.6	1038.1	1044.7	1092.4	1146.7	1232.8	1368.6
25°	1065.9	1069.9	1050.7	1055.3	1080.5	1088.4	1143.4	1200.4	1275.9	1417.0
27.5°	1120.9	1122.9	1106.3	1105.6	1138.1	1149.4	1205.0	1266.6	1333.5	1477.9
30°	1183.8	1189.8	1173.9	1171.2	1212.3	1221.6	1276.6	1348.1	1418.3	1569.4
32.5°	1233.5	1238.1	1228.9	1235.5	1277.2	1284.5	1363.3	1463.4	1551.5	1699.2
35°	1305.0	1307.7	1286.5	1298.4	1346.1	1364.7	1481.9	1625.0	1719.1	1862.2
37.5°	1564.1	1564.1	1474.0	1415.0	1460.7	1477.3	1644.2	1828.4	1925.8	2080.8
40°	1922.5	1916.5	1784.7	1664.1	1658.1	1690.6	1875.4	2084.8	2192.7	2343.1
42.5°	2304.7	2295.4	2115.9	1996.7	1976.8	1988.0	2142.4	2400.8	2510.7	2663.1
45°	2643.9	2641.2	2476.9	2316.6	2280.8	2316.6	2475.6	2770.4	2849.2	3009.6
47.5°	2928.1	2928.1	2808.2	2703.5	2684.9	2706.1	2926.7	3180.5	3173.2	3378.5
50°	3255.3	3252.7	3138.7	3093.7	3112.9	3142.7	3446.1	3612.4	3508.4	3740.9
52.5°	3484.5	3500.4	3461.3	3454.1	3552.1	3603.8	3973.4	4035.0	3808.5	4084.7
55°	3666.0	3684.6	3729.6	3780.7	3969.5	4037.0	4484.2	4435.8	4059.5	4382.8
57.5°	3923.1	3896.6	3966.1	4066.8	4372.2	4453.7	4979.0	4814.1	4261.6	4624.6
60°	4235.1	4239.1	4251.0	4378.2	4774.3	4879.0	5466.6	5171.8	4391.4	4773.0
62.5°	4610.1	4616.0	4640.5	4836.0	5314.2	5413.0	5986.0	5464.6	4451.1	4731.3
65°	4584.2	4609.4	4883.0	5551.4	6135.0	6232.4	6592.1	5670.0	4361.0	4349.7
67.5°	4176.1	4217.2	4675.0	6406.0	7372.5	7481.2	7324.8	5710.4	3972.1	3382.5
70°	3640.9	3655.4	4206.0	7174.4	8805.4	8915.4	7980.6	5265.9	3014.2	1886.7
72.5°	2843.3	2846.6	3492.5	7352.6	9583.1	9589.1	7465.9	3909.2	1621.0	724.7
75°	2031.1	2011.2	2339.1	5962.8	8431.1	8498.7	5597.1	1833.7	619.4	342.5
77.5°	1089.1	1110.9	1323.6	3536.2	5824.3	5939.6	3053.9	528.6	315.3	233.2
80°	336.5	355.1	542.6	1619.0	3299.0	3368.6	1132.1	235.2	219.9	166.3
82.5°	106.0	110.0	253.1	680.3	1369.3	1401.1	327.9	133.2	150.4	110.0
85°	30.5	31.1	112.6	253.7	338.5	345.1	92.1	51.7	86.1	68.2
87.5°	3.3	10.6	42.4	42.4	29.8	29.1	9.9	11.3	24.5	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°
1310.3	0°	1310.3	1310.3	1310.3	1310.3	1310.3	1310.3	1310.3	1310.3	1310.3	1310.3
1316.3	2.5°	1313.0	1313.7	1305.0	1290.5	1274.6	1261.3	1244.8	1231.5	1222.2	1219.6
1328.2	5°	1322.3	1317.6	1293.1	1248.7	1195.7	1150.0	1099.0	1058.6	1032.1	1020.8
1340.8	7.5°	1336.2	1322.9	1269.3	1181.8	1080.5	990.4	899.0	828.1	783.0	760.5
1352.7	10°	1348.1	1321.6	1229.5	1085.1	930.1	793.6	670.4	585.0	537.3	514.7
1366.7	12.5°	1359.4	1320.9	1177.9	970.5	760.5	593.6	479.0	436.6	423.3	418.7
1389.2	15°	1380.6	1322.9	1112.9	839.3	591.6	448.5	406.7	406.1	408.7	407.4
1423.6	17.5°	1409.7	1324.9	1039.4	700.2	456.4	395.5	393.5	399.5	403.4	401.5
1466.7	20°	1447.5	1332.9	961.2	562.4	392.2	382.2	386.9	392.2	395.5	392.2
1524.3	22.5°	1500.5	1346.8	875.8	451.8	371.6	374.3	378.3	384.2	387.5	382.9
1597.9	25°	1565.4	1368.6	791.6	392.8	361.7	365.0	371.0	377.6	381.6	376.9
1690.6	27.5°	1649.5	1403.8	714.1	379.6	351.8	353.8	362.4	372.3	377.6	371.6
1822.4	30°	1771.4	1461.4	647.2	385.6	345.8	341.2	353.1	367.0	373.0	367.7
2002.0	32.5°	1933.1	1542.9	606.2	394.8	343.2	326.6	337.9	355.7	365.7	362.4
2236.5	35°	2145.0	1666.7	590.3	405.4	341.2	311.4	319.3	338.5	355.7	359.1
2531.9	37.5°	2402.1	1839.0	594.9	410.1	335.2	298.8	302.7	319.3	341.8	352.4
2864.5	40°	2694.2	2039.7	621.4	405.4	328.6	288.2	288.8	301.4	321.3	337.2
3222.2	42.5°	2995.6	2274.2	670.4	388.2	322.6	278.9	276.9	285.5	298.8	310.0
3579.3	45°	3282.5	2515.4	718.8	364.4	315.3	269.6	265.0	268.3	270.9	275.6
3927.1	47.5°	3532.9	2684.9	704.9	342.5	305.4	259.0	251.1	249.7	241.8	241.1
4237.8	50°	3705.8	2722.0	626.0	320.6	290.8	247.1	234.5	226.6	212.6	206.0
4470.3	52.5°	3760.8	2575.6	511.4	298.8	267.0	231.2	213.3	200.7	183.5	177.5
4604.1	55°	3687.9	2288.8	408.7	272.3	233.8	210.0	190.1	173.6	159.7	152.4
4618.7	57.5°	3509.7	1923.8	323.3	241.1	198.7	186.2	166.3	149.7	137.8	130.5
4457.0	60°	3214.3	1527.6	255.7	204.0	169.6	160.3	139.8	129.2	118.6	110.0
4039.7	62.5°	2765.8	1090.4	200.7	161.6	141.8	131.2	119.2	111.3	98.7	86.8
3289.1	65°	2158.3	667.1	155.0	118.6	113.9	108.6	101.4	94.1	78.8	66.9
2145.7	67.5°	1361.4	316.0	110.6	89.4	90.1	87.4	84.1	78.2	66.9	56.3
961.2	70°	599.5	153.0	72.9	68.2	66.9	66.9	69.6	67.6	57.0	47.0
333.9	72.5°	204.0	82.1	54.3	51.7	48.4	47.7	58.3	56.3	45.7	36.4
166.3	75°	106.7	55.0	39.7	37.1	29.1	35.1	46.4	43.7	32.5	23.8
110.0	77.5°	69.6	39.1	27.2	23.8	16.6	23.2	34.4	30.5	19.2	11.9
72.2	80°	43.7	25.8	15.9	11.3	7.9	12.6	18.5	13.2	7.3	2.6
42.4	82.5°	23.2	13.2	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°
1310.3
1224.2
1024.8
763.8
515.4
417.3
406.7
400.8
391.5
382.2
376.3
371.6
367.0
362.4
359.1
355.1
342.5
314.7
278.2
240.5
206.7
176.9
152.4
129.2
108.0
84.8
64.9
55.0
45.0
34.4
21.9
10.6
2.0
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