

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: P846666

Luminaire Tested: **GLAN-SB2B-927-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846666
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2B-927-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7186 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

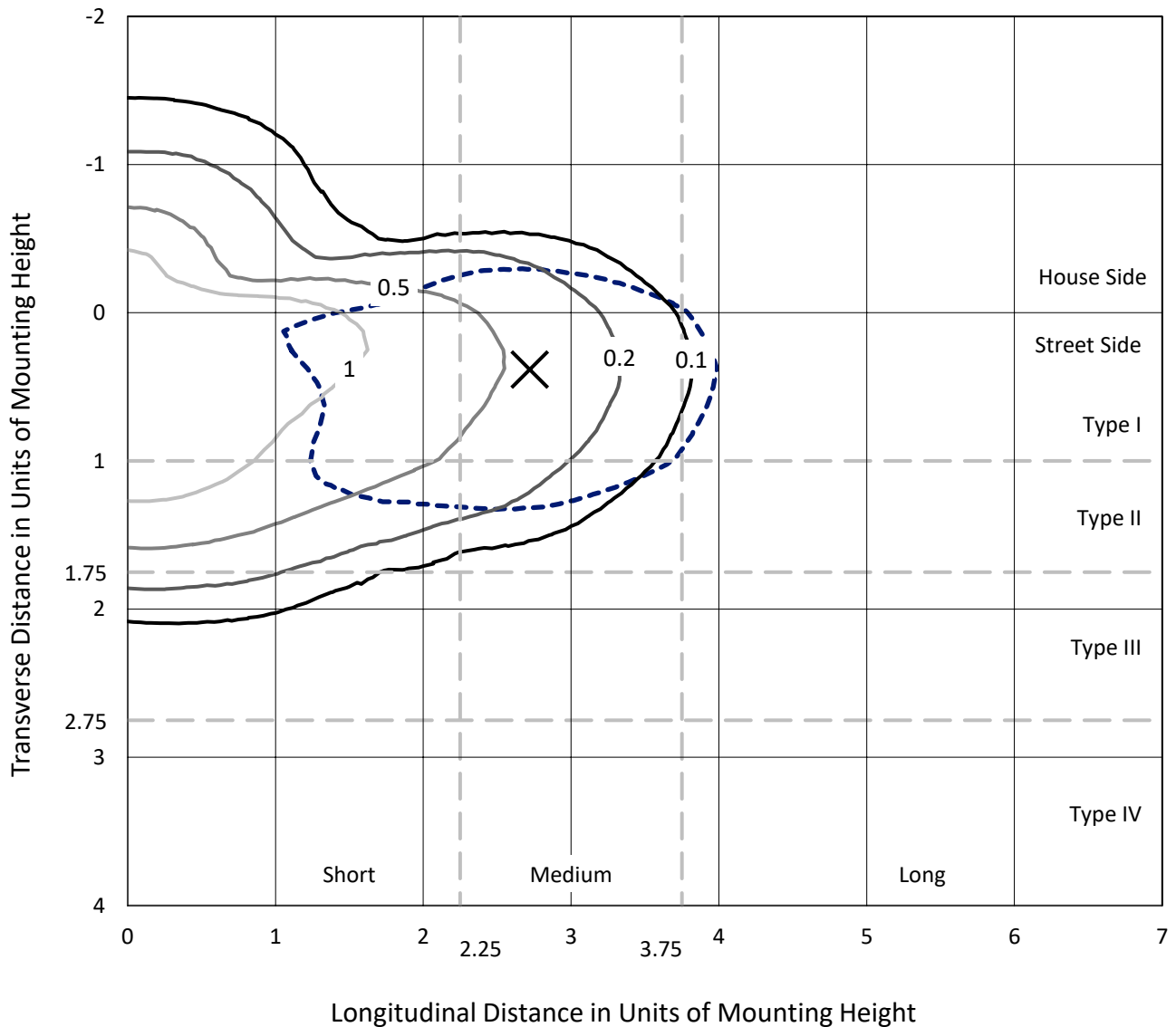
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

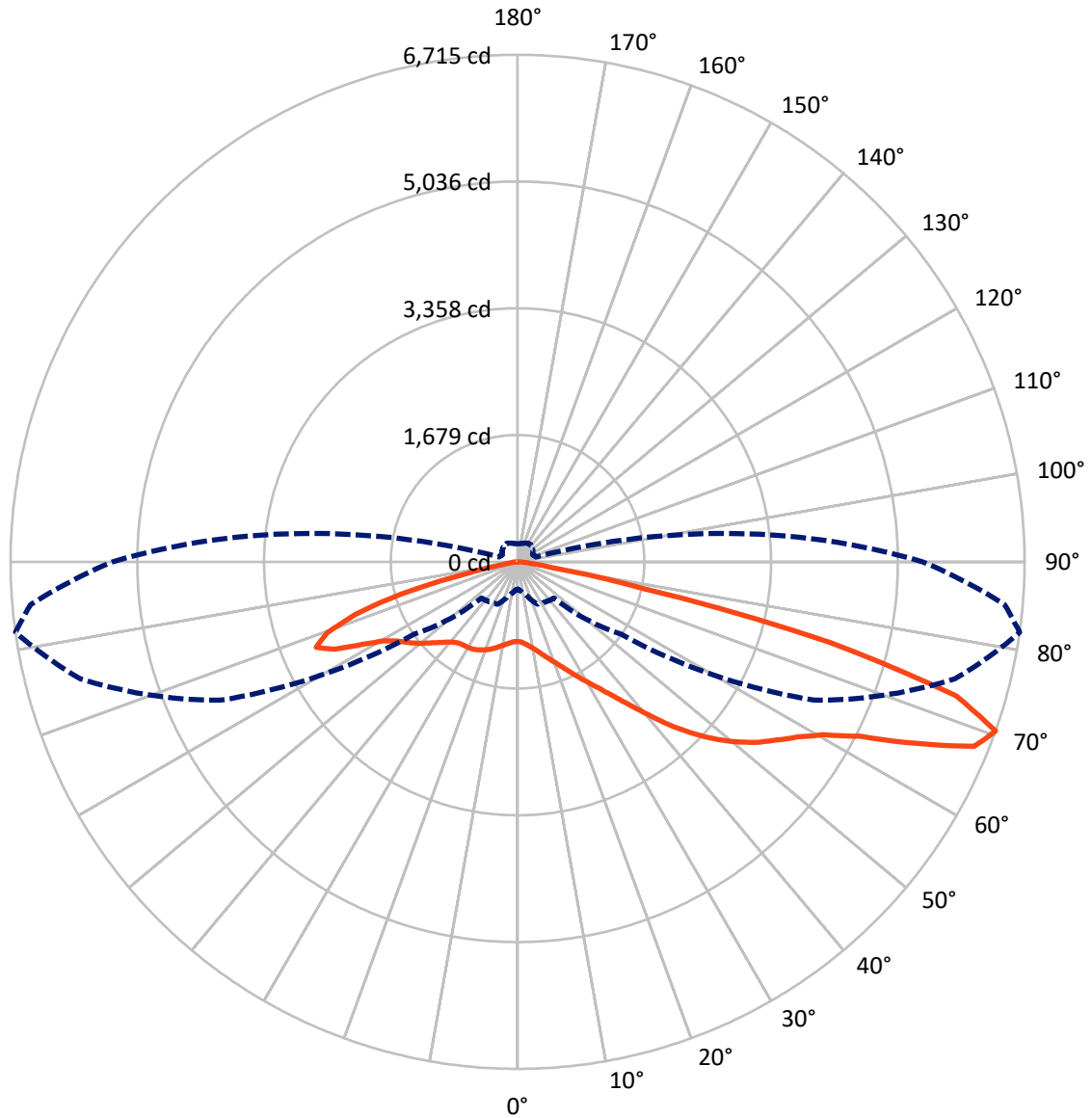
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1771.5	0.0	1771.5
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	5414.5	0.0	5414.5
	% Fixture	75.3	0.0	75.3
Total	Lumens	7186.0	0.0	7186.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.5	1.4
10°-20°	285.8	4.0
20°-30°	478.1	6.7
30°-40°	746.9	10.4
40°-50°	1189.6	16.6
50°-60°	1655.4	23.0
60°-70°	1731.7	24.1
70°-80°	905.1	12.6
80°-90°	94.0	1.3
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°	7186.0	100.0
0°-180°	7186.0	100.0

Coefficient of Utilization



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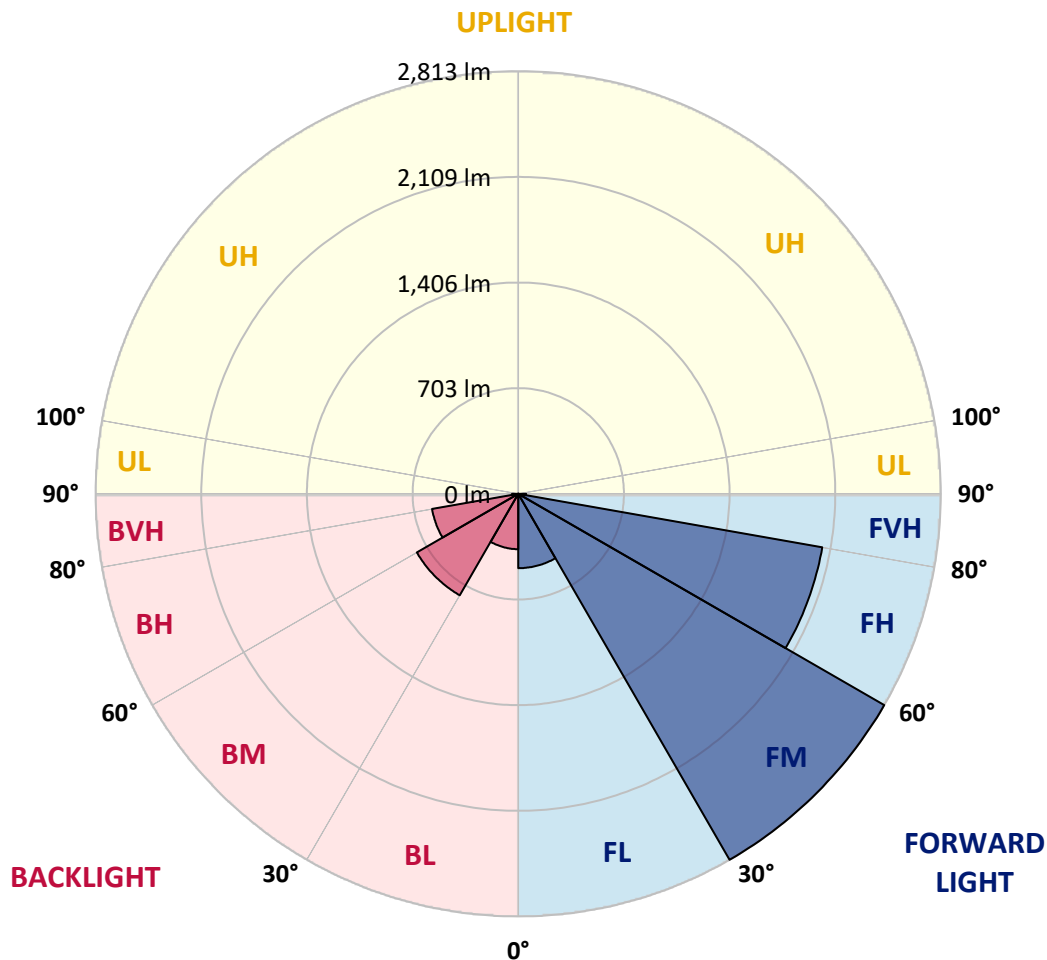
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	494.8	6.9			
FM (30°-60°)	2812.5	39.1			
FH (60°-80°)	2054.5	28.6			G2/5000
FVH (80°-90°)	52.6	0.7			G1/100
BL (0°-30°)	368.5	5.1	B1/500		
BM (30°-60°)	779.4	10.8	B1/1000		
BH (60°-80°)	582.2	8.1	B2/1000		G2/1000
BVH (80°-90°)	41.4	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1053.6	1053.6	1053.6	1053.6	1053.6	1053.6	1053.6	1053.6	1053.6	1053.6
2.5°	1078.7	1084.8	1082.9	1081.0	1081.0	1078.3	1078.0	1074.1	1071.1	1066.1
5°	1092.5	1098.9	1098.2	1099.7	1104.7	1105.8	1106.9	1104.7	1098.6	1092.5
7.5°	1080.2	1087.5	1089.8	1098.9	1114.2	1127.9	1138.2	1142.4	1136.7	1127.9
10°	1039.1	1047.1	1055.1	1076.8	1103.9	1136.3	1163.8	1180.2	1179.0	1170.6
12.5°	955.6	963.9	981.1	1023.4	1073.0	1130.2	1181.3	1215.6	1227.4	1221.3
15°	888.8	896.1	909.0	952.5	1017.0	1103.9	1187.8	1254.5	1284.6	1281.2
17.5°	886.9	890.0	898.0	918.6	968.1	1062.7	1180.9	1292.6	1350.2	1349.8
20°	920.5	921.6	926.2	930.4	958.6	1031.4	1163.4	1324.3	1423.8	1423.8
22.5°	967.0	966.2	970.8	967.0	980.7	1028.8	1152.3	1352.1	1505.8	1511.9
25°	1036.8	1033.0	1031.8	1023.1	1025.7	1053.6	1164.5	1383.8	1603.0	1615.6
27.5°	1129.8	1123.7	1119.5	1099.3	1092.5	1104.7	1201.9	1421.9	1711.3	1733.1
30°	1251.1	1240.0	1233.9	1198.8	1174.1	1176.0	1258.3	1472.6	1824.6	1859.6
32.5°	1416.6	1399.4	1383.0	1325.4	1280.1	1265.2	1331.2	1542.8	1947.3	2003.4
35°	1601.9	1588.2	1570.6	1481.8	1412.0	1377.7	1429.5	1640.8	2091.1	2179.9
37.5°	1780.3	1768.5	1776.9	1657.2	1567.2	1517.2	1558.4	1772.3	2268.4	2399.6
40°	1964.9	1955.7	1956.9	1842.5	1737.6	1681.6	1714.7	1937.4	2471.6	2660.8
42.5°	2165.5	2158.6	2135.7	2034.3	1916.5	1864.2	1894.7	2128.1	2689.8	2958.2
45°	2390.0	2385.9	2364.5	2248.2	2113.2	2054.5	2095.7	2338.6	2909.0	3238.1
47.5°	2584.1	2587.6	2584.9	2486.9	2347.0	2260.8	2310.0	2558.2	3113.0	3501.2
50°	2677.6	2695.5	2721.8	2691.3	2604.3	2516.6	2526.2	2770.2	3307.5	3747.9
52.5°	2628.7	2662.7	2734.4	2783.2	2816.7	2798.4	2772.9	2980.7	3490.5	3970.6
55°	2446.9	2494.5	2613.5	2731.3	2902.5	3035.6	3069.2	3214.1	3669.0	4166.6
57.5°	2115.5	2192.9	2299.7	2538.0	2826.3	3150.4	3414.6	3537.8	3858.1	4375.9
60°	1547.4	1651.1	1783.8	2138.4	2559.3	3089.0	3708.6	4035.0	4126.9	4647.0
62.5°	990.3	1054.3	1176.3	1510.4	1994.2	2774.4	3798.6	4656.5	4582.6	5091.6
65°	678.0	719.1	830.9	1018.5	1289.2	2065.2	3557.6	5122.5	5306.3	5796.3
67.5°	492.7	523.9	619.2	783.6	840.0	1222.1	2760.7	5101.2	6009.8	6522.3
70°	359.2	381.3	461.4	619.2	646.3	679.9	1672.4	4336.2	5994.6	6715.2
72.5°	266.2	281.4	335.2	480.4	523.2	459.1	827.8	3151.5	5151.1	6073.9
75°	192.6	204.0	243.7	367.6	418.7	349.7	413.0	1841.7	3593.1	4272.6
77.5°	147.2	156.0	181.9	269.2	335.2	262.3	256.2	847.3	1703.7	1712.1
80°	118.2	123.9	138.0	189.5	257.0	196.4	167.0	342.0	538.4	455.7
82.5°	86.9	96.5	116.7	133.1	183.8	135.4	101.8	172.7	204.8	176.2
85°	49.6	56.1	70.5	95.3	117.4	82.7	58.3	76.6	95.3	78.2
87.5°	17.5	22.9	24.8	37.4	51.1	34.3	22.5	22.1	31.3	23.3
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°
1053.6	0°	1053.6	1053.6	1053.6	1053.6	1053.6	1053.6	1053.6	1053.6	1053.6	1053.6
1065.0	2.5°	1061.2	1059.3	1051.7	1041.4	1030.7	1020.4	1017.0	1009.7	1004.7	1002.1
1089.8	5°	1082.5	1076.4	1058.5	1035.6	1011.6	985.7	967.4	950.6	938.4	927.0
1123.7	7.5°	1113.0	1102.4	1071.5	1031.4	988.7	945.6	913.6	889.2	872.8	862.1
1163.4	10°	1148.5	1132.1	1084.8	1025.0	959.0	897.2	859.5	838.5	828.2	822.5
1208.8	12.5°	1189.3	1166.0	1098.6	1010.1	913.6	843.1	817.1	811.0	811.4	811.8
1265.9	15°	1239.6	1207.2	1109.6	977.7	854.5	801.5	796.9	806.9	817.1	822.1
1330.8	17.5°	1296.5	1250.7	1111.5	924.3	796.6	774.8	789.3	810.7	826.3	833.2
1403.2	20°	1357.5	1294.9	1097.8	848.8	748.9	753.1	779.0	806.5	823.6	832.4
1486.0	22.5°	1427.2	1342.2	1065.0	769.5	710.0	729.4	759.9	786.6	804.6	813.3
1583.2	25°	1506.9	1395.2	1013.5	702.8	676.4	702.8	733.3	755.4	769.9	777.9
1691.9	27.5°	1595.4	1450.5	944.9	649.8	647.1	675.3	700.5	717.6	725.3	731.4
1807.4	30°	1684.2	1500.8	861.8	609.7	621.5	648.2	666.1	673.8	676.1	677.2
1936.3	32.5°	1780.3	1544.3	774.4	576.5	597.1	621.9	632.6	636.0	625.3	618.1
2092.6	35°	1896.6	1590.8	689.0	550.2	573.1	594.5	597.9	594.8	582.3	567.4
2288.6	37.5°	2040.4	1648.8	620.8	531.5	550.6	564.7	560.5	559.8	560.9	543.4
2524.3	40°	2216.6	1724.3	570.8	517.1	532.3	535.4	523.5	530.0	535.7	509.0
2782.8	42.5°	2412.2	1815.4	539.2	507.1	517.1	509.8	491.5	498.8	498.0	462.9
3042.5	45°	2611.6	1914.6	528.1	499.9	502.9	488.5	468.2	470.2	454.1	422.5
3291.5	47.5°	2809.9	2020.9	535.0	493.8	485.4	469.0	453.4	445.0	421.3	397.7
3530.2	50°	3004.3	2132.7	560.1	481.6	461.4	451.9	440.4	425.5	400.4	380.2
3755.9	52.5°	3184.7	2245.1	588.4	461.4	431.3	437.0	429.7	412.6	387.8	367.2
3969.4	55°	3355.5	2357.6	599.4	433.5	403.0	424.0	419.8	388.2	358.4	341.7
4192.9	57.5°	3541.6	2493.0	587.2	398.1	380.2	409.1	393.1	358.0	340.9	328.3
4483.8	60°	3799.4	2705.4	560.9	354.2	358.4	387.0	359.6	345.1	326.4	312.3
4920.0	62.5°	4227.6	3101.6	518.6	310.8	332.9	354.2	343.6	329.1	310.0	296.3
5665.9	65°	4860.5	3652.2	438.9	276.8	304.3	322.2	326.4	311.9	292.1	277.6
6319.4	67.5°	5394.4	3997.6	332.1	248.6	274.9	296.3	308.1	294.0	273.0	258.9
6472.3	70°	5365.0	3746.7	253.6	220.8	249.0	270.7	286.0	274.9	252.4	239.1
5879.0	72.5°	4765.2	3134.4	205.1	192.6	222.7	244.0	262.3	254.0	231.1	218.1
4306.9	75°	3500.8	2224.9	164.0	164.0	189.9	216.2	236.4	231.1	210.1	200.9
1808.2	77.5°	1475.7	933.4	128.5	136.1	157.9	185.7	210.9	212.8	194.5	205.9
478.2	80°	392.4	257.4	98.0	107.1	123.9	153.3	183.4	182.6	162.8	152.1
177.7	82.5°	149.5	101.4	69.8	75.5	89.6	117.4	145.3	149.9	130.0	112.5
69.8	85°	57.6	43.5	43.1	45.4	52.2	77.8	109.8	113.6	98.0	83.1
19.4	87.5°	14.9	13.0	16.0	15.3	24.0	41.6	62.9	65.2	59.9	34.7
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°
1053.6
1005.1
931.5
864.4
824.0
812.6
821.7
834.7
834.7
815.6
780.2
733.6
679.9
620.4
568.2
544.5
509.8
462.5
423.6
397.7
378.6
367.6
340.1
327.2
311.5
296.3
278.4
259.3
240.2
218.1
198.3
186.8
141.5
112.5
85.8
49.6
0.0

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