

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: P847125

Luminaire Tested: **GLAN-SB3A-827-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847125
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3A-827-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7836 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

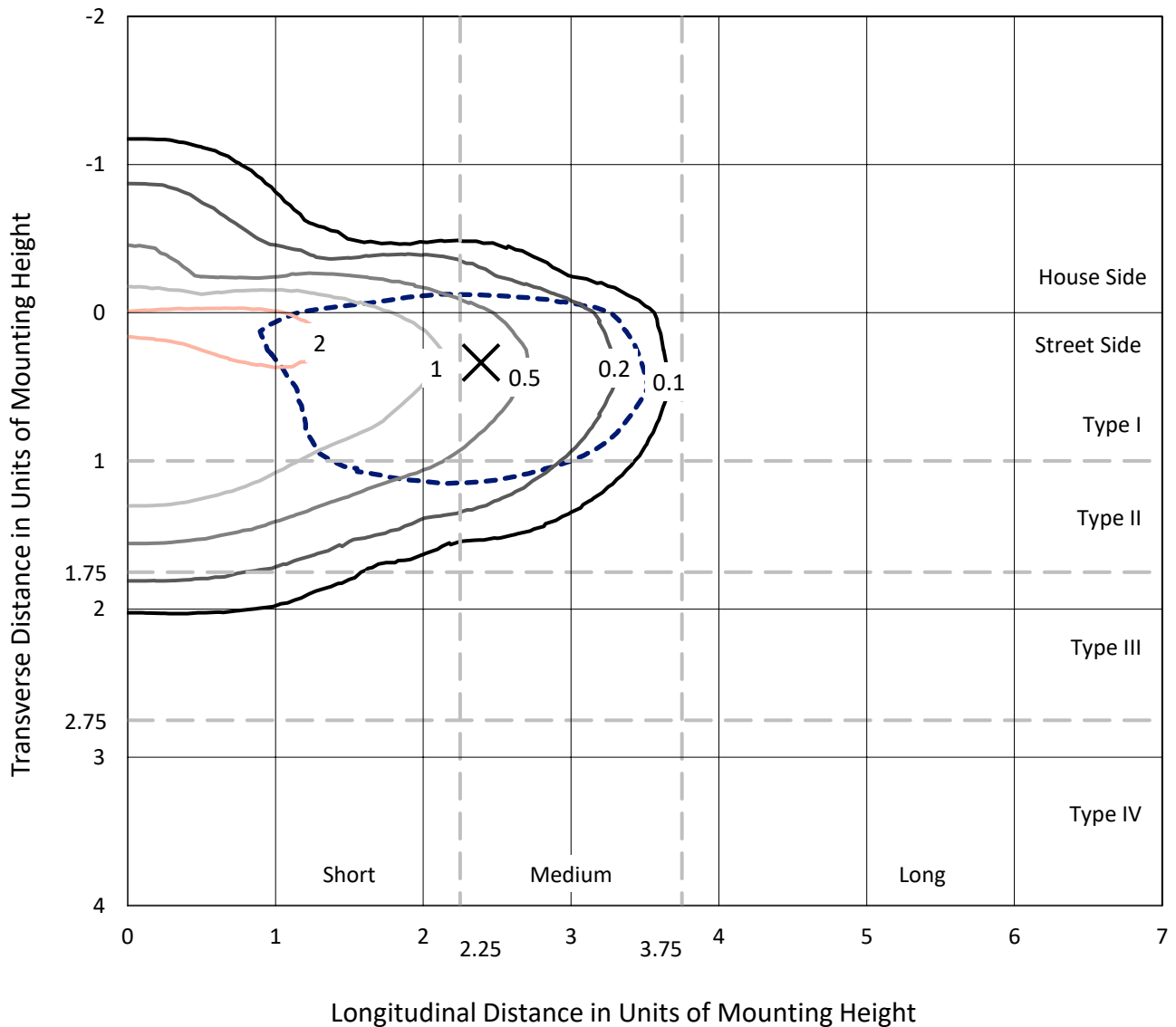
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

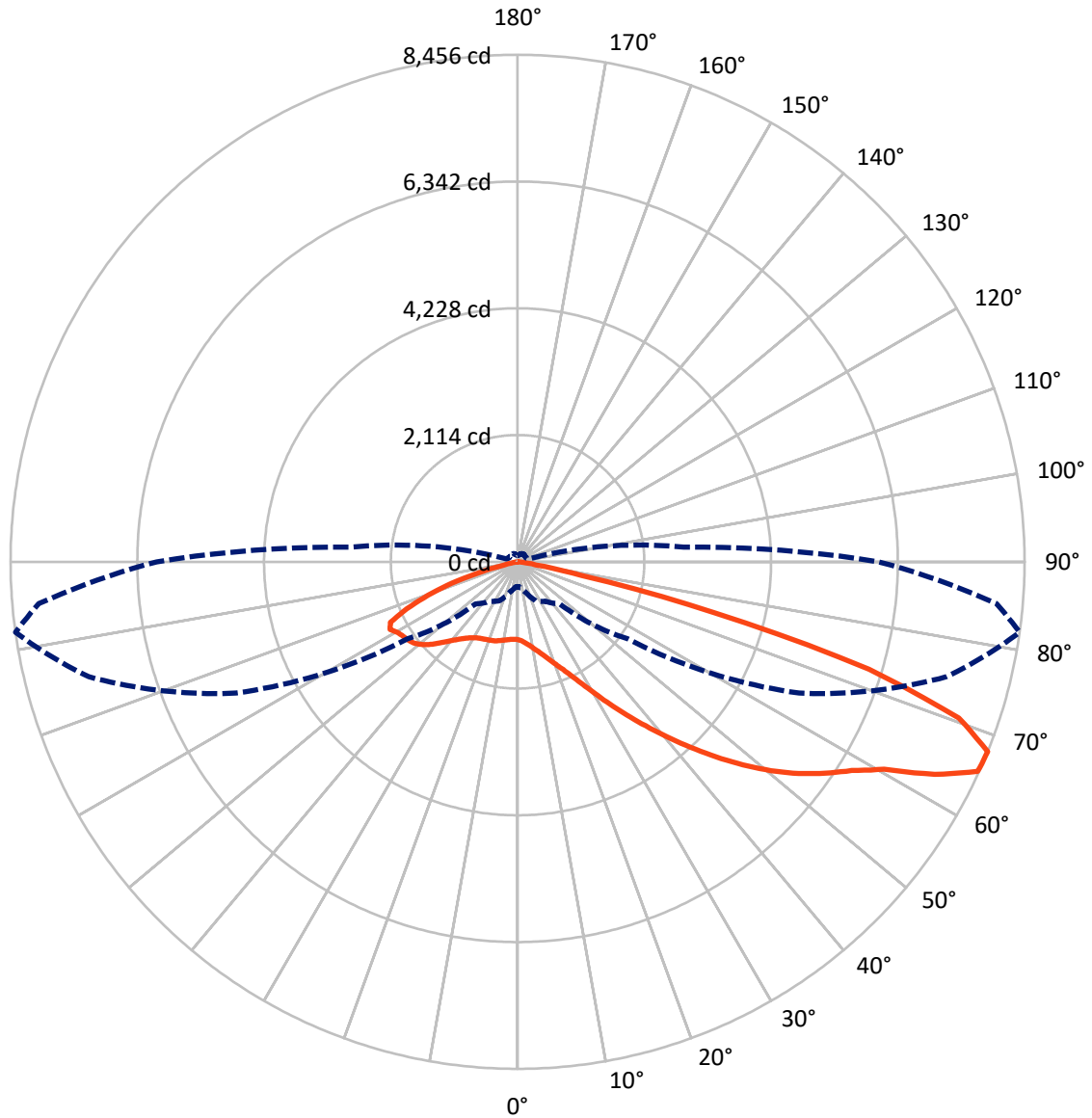
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1419.4	0.0	1419.4
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	6416.6	0.0	6416.6
	% Fixture	81.9	0.0	81.9
Total	Lumens	7836.0	0.0	7836.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.7	1.5
10°-20°	300.5	3.8
20°-30°	481.4	6.1
30°-40°	851.2	10.9
40°-50°	1491.4	19.0
50°-60°	1989.1	25.4
60°-70°	1851.8	23.6
70°-80°	710.7	9.1
80°-90°	44.1	0.6
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°	7836.0	100.0
0°-180°	7836.0	100.0

Coefficient of Utilization

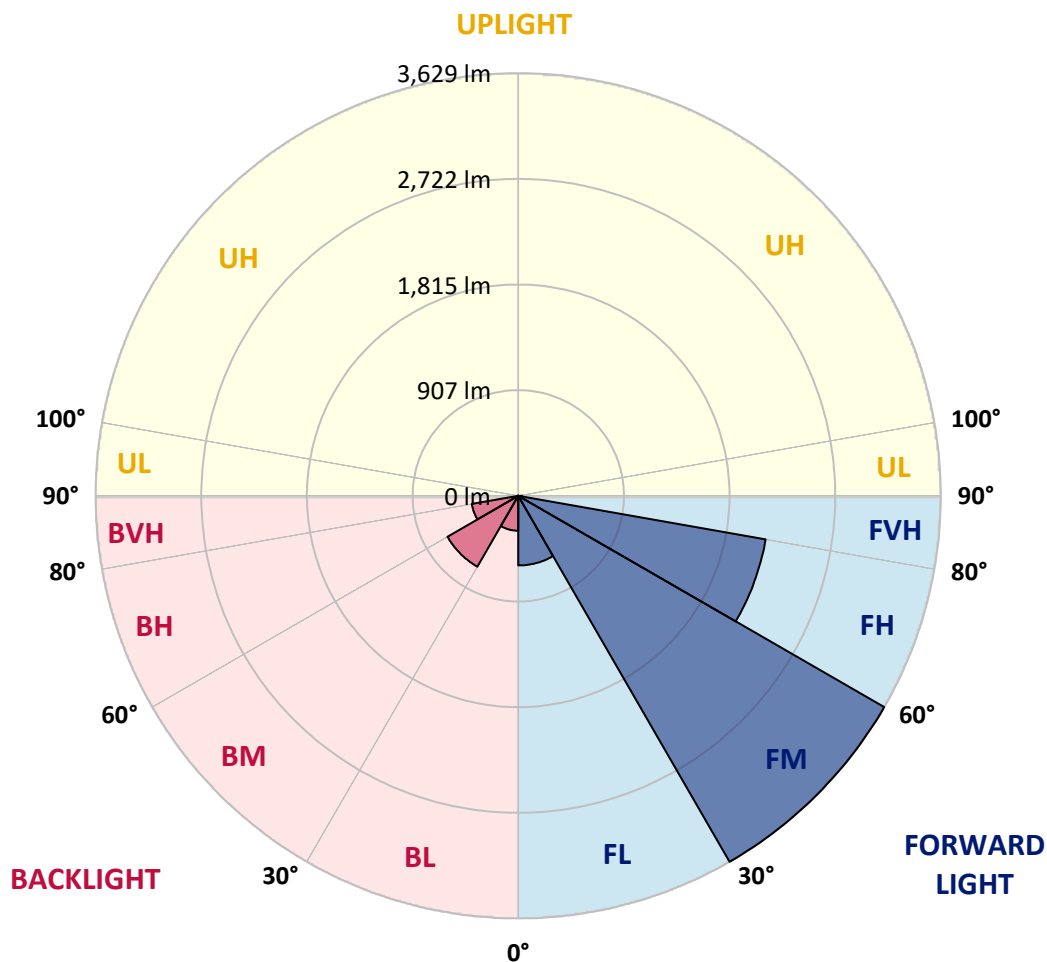


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	597.8	7.6			
FM (30°-60°)	3629.3	46.3			
FH (60°-80°)	2157.4	27.5			G2/5000
FVH (80°-90°)	32.1	0.4			G1/100
BL (0°-30°)	299.8	3.8	B1/500		
BM (30°-60°)	702.5	9.0	B1/1000		
BH (60°-80°)	405.1	5.2	B1/500		G1/500
BVH (80°-90°)	12.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1298.2	1298.2	1298.2	1298.2	1298.2	1298.2	1298.2	1298.2	1298.2	1298.2
2.5°	1372.1	1380.0	1375.5	1373.2	1369.2	1363.6	1359.1	1345.0	1330.3	1320.7
5°	1399.7	1407.6	1407.0	1409.3	1412.1	1413.8	1412.7	1396.9	1376.0	1359.7
7.5°	1376.0	1385.0	1392.4	1403.7	1423.4	1444.3	1454.4	1451.1	1429.6	1407.0
10°	1308.9	1318.5	1336.0	1362.5	1404.2	1449.4	1487.2	1504.6	1491.1	1466.3
12.5°	1185.9	1195.5	1229.9	1287.4	1357.4	1435.8	1508.0	1554.9	1558.2	1533.4
15°	1047.7	1057.3	1093.9	1166.1	1272.8	1398.6	1519.3	1607.9	1637.8	1616.4
17.5°	961.9	970.4	998.0	1056.1	1167.3	1324.1	1515.4	1664.3	1732.6	1715.6
20°	936.0	943.3	956.3	996.9	1089.4	1246.8	1489.4	1717.3	1834.7	1825.1
22.5°	963.6	970.4	974.3	992.4	1050.5	1196.0	1456.7	1771.5	1953.2	1954.3
25°	1027.4	1034.1	1029.6	1040.9	1066.3	1180.2	1444.3	1835.3	2102.1	2114.5
27.5°	1132.3	1132.9	1122.1	1121.6	1125.5	1203.9	1457.3	1903.5	2290.0	2313.1
30°	1342.7	1334.3	1293.1	1248.5	1228.2	1275.0	1493.4	1984.2	2511.7	2552.9
32.5°	1667.1	1654.7	1579.1	1472.5	1365.3	1389.6	1558.2	2076.2	2753.2	2827.6
35°	2019.2	2015.8	1936.8	1778.3	1591.0	1552.6	1663.7	2196.9	3016.6	3135.1
37.5°	2346.4	2344.7	2299.6	2112.8	1884.9	1780.0	1833.0	2354.9	3298.7	3470.2
40°	2645.4	2650.5	2605.3	2438.4	2208.7	2071.6	2063.2	2550.1	3612.4	3835.2
42.5°	2903.8	2909.4	2863.7	2740.2	2528.6	2394.3	2345.8	2789.3	3918.7	4227.3
45°	3079.3	3114.2	3107.5	3008.7	2857.0	2717.6	2685.5	3089.4	4268.0	4643.1
47.5°	3128.9	3161.1	3211.8	3225.4	3132.8	2995.8	3034.1	3451.0	4621.1	5059.5
50°	3006.5	3036.4	3141.9	3282.4	3346.7	3304.4	3373.2	3838.6	4982.8	5474.7
52.5°	2765.0	2795.5	2928.6	3150.9	3413.2	3546.4	3713.4	4220.6	5333.1	5868.0
55°	2415.8	2447.9	2618.9	2870.5	3286.3	3646.2	3997.2	4602.0	5654.1	6221.7
57.5°	1940.8	1964.4	2142.2	2494.2	2967.0	3547.0	4206.5	5018.3	5956.5	6569.2
60°	1264.9	1285.7	1492.2	1884.9	2437.8	3215.2	4248.2	5482.6	6358.2	7021.1
62.5°	841.2	855.3	977.7	1266.0	1716.8	2578.3	4003.9	5853.3	6947.2	7807.6
65°	577.1	591.3	713.7	914.5	1109.2	1705.5	3301.5	5804.2	7480.9	8432.1
67.5°	411.8	423.7	527.5	717.1	802.8	990.7	2238.1	5176.8	7404.2	8455.8
70°	295.1	301.8	387.6	558.5	638.1	595.2	1244.6	3959.4	6482.9	7808.1
72.5°	206.5	208.7	269.1	425.4	514.0	434.4	592.4	2639.8	4903.2	6128.6
75°	139.9	142.7	181.1	312.0	412.4	331.7	313.7	1415.5	2878.4	3392.4
77.5°	85.8	86.9	116.8	213.3	308.6	252.7	202.0	599.7	1113.7	1093.4
80°	48.5	48.5	74.5	132.6	210.4	163.0	141.6	255.0	352.6	309.7
82.5°	27.1	27.6	54.2	82.4	139.4	96.5	77.9	117.9	152.3	134.8
85°	11.3	12.4	33.3	38.9	66.6	48.0	31.6	49.6	56.4	50.2
87.5°	1.1	1.7	10.2	7.3	7.9	9.6	4.5	9.6	7.9	7.9
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°
1298.2	0°	1298.2	1298.2	1298.2	1298.2	1298.2	1298.2	1298.2	1298.2	1298.2	1298.2
1317.3	2.5°	1306.6	1298.2	1276.7	1251.9	1219.2	1203.4	1181.9	1167.3	1154.9	1156.0
1350.1	5°	1332.0	1310.6	1262.6	1202.8	1128.3	1075.3	1018.9	980.0	948.4	941.6
1395.2	7.5°	1367.0	1333.1	1249.1	1141.3	1015.5	920.2	835.0	780.3	741.3	728.9
1449.9	10°	1412.1	1363.0	1231.6	1064.0	882.9	761.6	670.2	627.4	600.8	591.8
1514.2	12.5°	1464.6	1397.5	1208.5	969.8	746.4	629.6	571.5	550.1	541.6	538.8
1593.2	15°	1530.6	1440.3	1173.5	858.1	630.7	548.9	524.1	521.3	522.4	521.3
1688.0	17.5°	1609.0	1487.2	1116.5	743.0	552.9	507.8	498.7	501.0	503.8	503.2
1794.1	20°	1694.8	1533.4	1043.7	640.9	499.9	478.4	473.3	475.6	477.9	476.7
1916.5	22.5°	1792.4	1583.1	963.0	561.4	464.3	451.3	445.7	446.3	446.3	444.0
2071.6	25°	1909.2	1637.8	878.4	504.9	437.2	427.1	420.3	418.1	414.7	407.9
2260.1	27.5°	2048.5	1695.9	797.2	465.4	415.8	406.2	398.3	392.7	384.2	372.9
2486.3	30°	2205.3	1766.4	728.3	440.6	398.9	389.3	380.3	371.8	359.4	345.3
2746.4	32.5°	2389.8	1842.0	678.1	424.3	383.6	373.5	362.8	352.6	339.1	325.0
3038.6	35°	2609.9	1933.4	648.8	413.0	371.8	358.2	346.4	335.1	325.0	312.6
3356.3	37.5°	2848.5	2030.5	639.8	407.3	363.9	343.0	329.5	321.6	320.4	313.1
3699.8	40°	3109.7	2145.5	646.5	403.9	355.4	328.3	313.7	312.0	314.8	301.8
4067.1	42.5°	3386.2	2282.1	657.8	400.0	343.6	313.7	299.6	299.6	297.3	279.3
4455.3	45°	3685.2	2439.5	669.1	390.4	329.5	299.0	288.3	284.3	274.8	257.3
4845.7	47.5°	3986.4	2599.7	677.6	372.9	312.6	286.6	277.0	268.0	253.9	238.1
5228.7	50°	4272.5	2743.6	668.5	347.0	293.4	274.8	264.6	252.2	237.0	226.2
5591.5	52.5°	4528.0	2868.3	630.2	316.5	273.1	262.3	253.3	240.3	227.9	216.6
5918.7	55°	4750.3	2969.2	562.5	287.7	255.0	251.6	242.6	226.2	209.3	199.7
6243.1	57.5°	4963.6	3046.0	477.9	264.0	238.6	239.8	226.2	211.6	195.8	185.6
6680.4	60°	5247.4	3148.6	392.1	242.0	221.2	224.5	209.9	199.2	179.4	166.4
7430.1	62.5°	5701.0	3308.3	311.4	214.9	200.8	202.0	195.8	182.8	159.1	143.9
7985.9	65°	6060.9	3249.6	245.4	185.6	177.7	179.4	179.4	165.3	139.9	122.4
8015.8	67.5°	6020.3	2782.5	195.8	156.8	155.7	156.8	160.8	148.9	124.1	110.0
7405.3	70°	5545.8	2213.2	156.8	130.3	135.4	132.6	143.9	136.0	111.7	97.6
5741.0	72.5°	4525.2	1594.4	119.6	107.8	103.8	108.3	129.8	122.4	93.1	77.3
3040.9	75°	2644.3	850.8	89.1	85.2	75.0	90.3	115.1	104.4	71.1	57.0
932.0	77.5°	860.9	296.8	65.4	62.6	55.9	72.8	98.2	88.0	58.1	45.1
273.1	80°	230.7	89.7	44.6	41.2	36.1	54.2	77.9	70.0	41.7	29.3
117.3	82.5°	92.5	37.8	26.0	23.1	19.7	37.2	61.5	56.4	31.0	18.6
36.7	85°	29.9	12.4	9.6	7.3	9.0	23.1	36.7	38.4	22.0	9.6
5.6	87.5°	3.9	1.7	1.7	2.3	1.7	3.9	11.3	10.7	6.2	1.1
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°
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1298.2
1144.7
926.4
716.5
585.0
537.1
520.7
502.1
476.2
442.9
406.8
371.8
344.1
325.5
311.4
312.6
302.4
279.3
256.7
237.5
224.5
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198.6
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