

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: P846493

Luminaire Tested: **GLAN-SB2A-927-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846493
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2A-927-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5727 lumens
Efficiency: N/A
Efficacy: 99.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

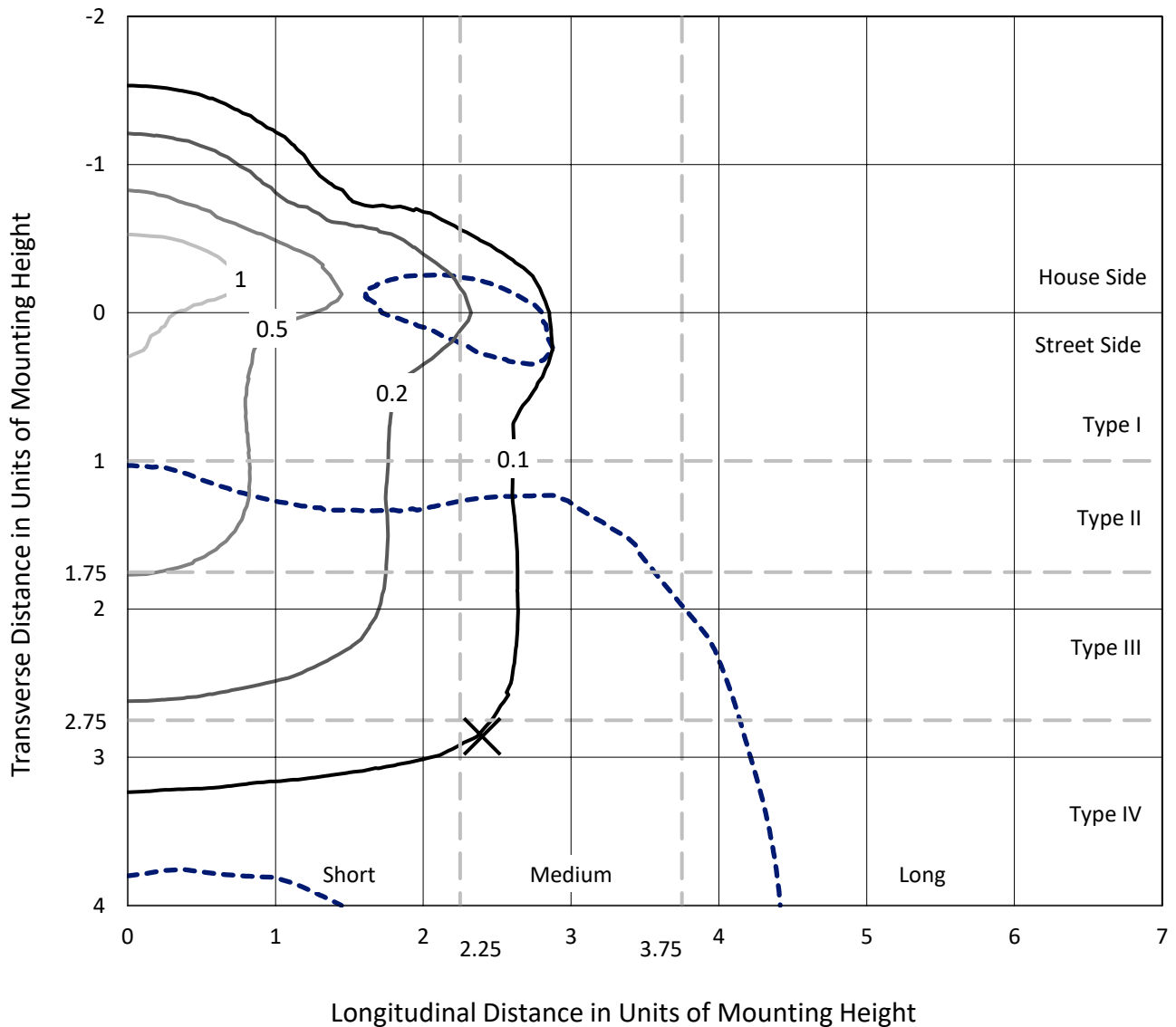
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

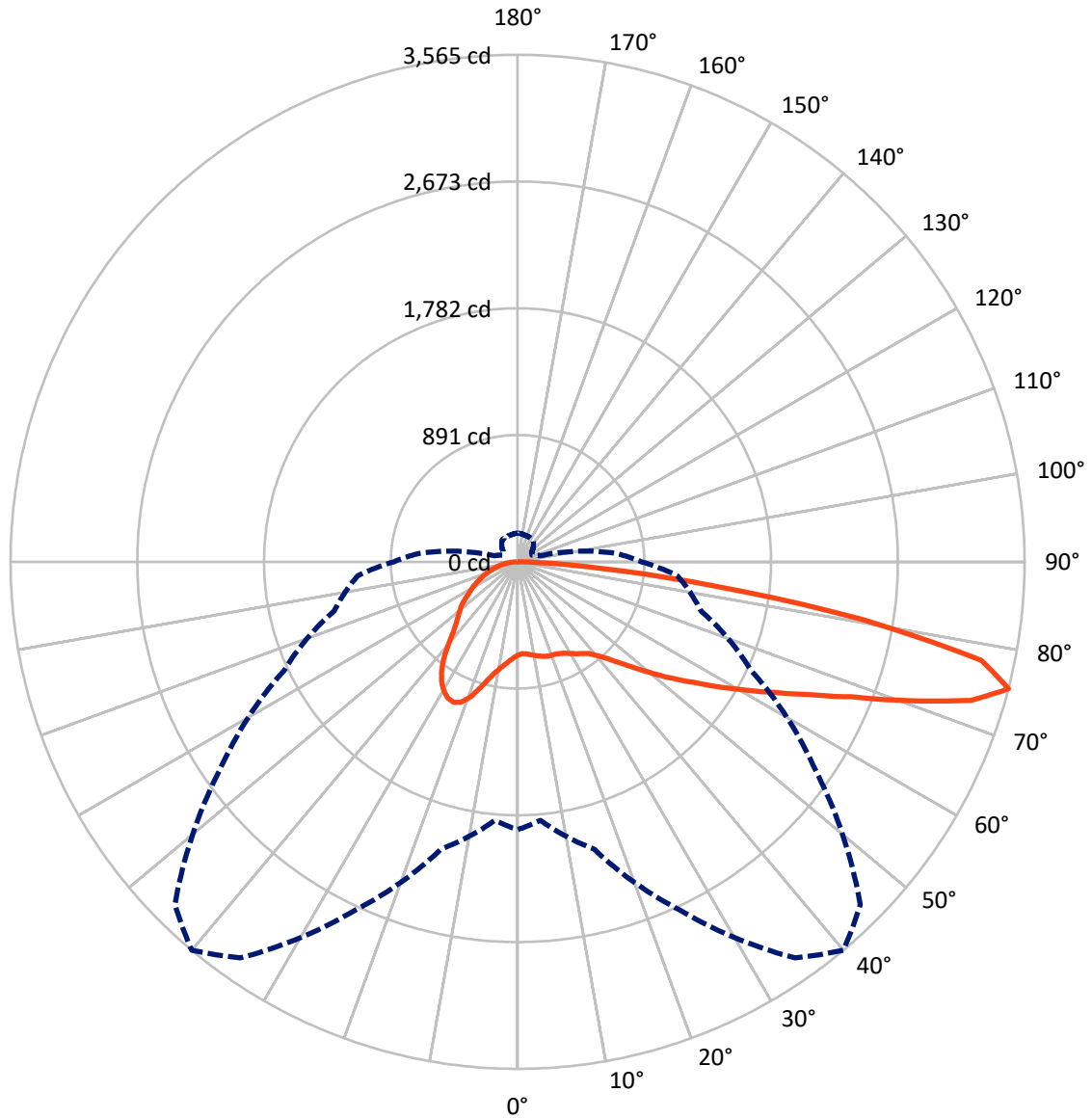
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1774.4	0.0	1774.4
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	3952.6	0.0	3952.6
	% Fixture	69.0	0.0	69.0
Total	Lumens	5727.0	0.0	5727.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.4	1.1
10°-20°	219.5	3.8
20°-30°	400.7	7.0
30°-40°	568.4	9.9
40°-50°	767.5	13.4
50°-60°	1032.5	18.0
60°-70°	1310.4	22.9
70°-80°	1189.3	20.8
80°-90°	173.4	3.0
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°	5727.0	100.0
0°-180°	5727.0	100.0

Coefficient of Utilization

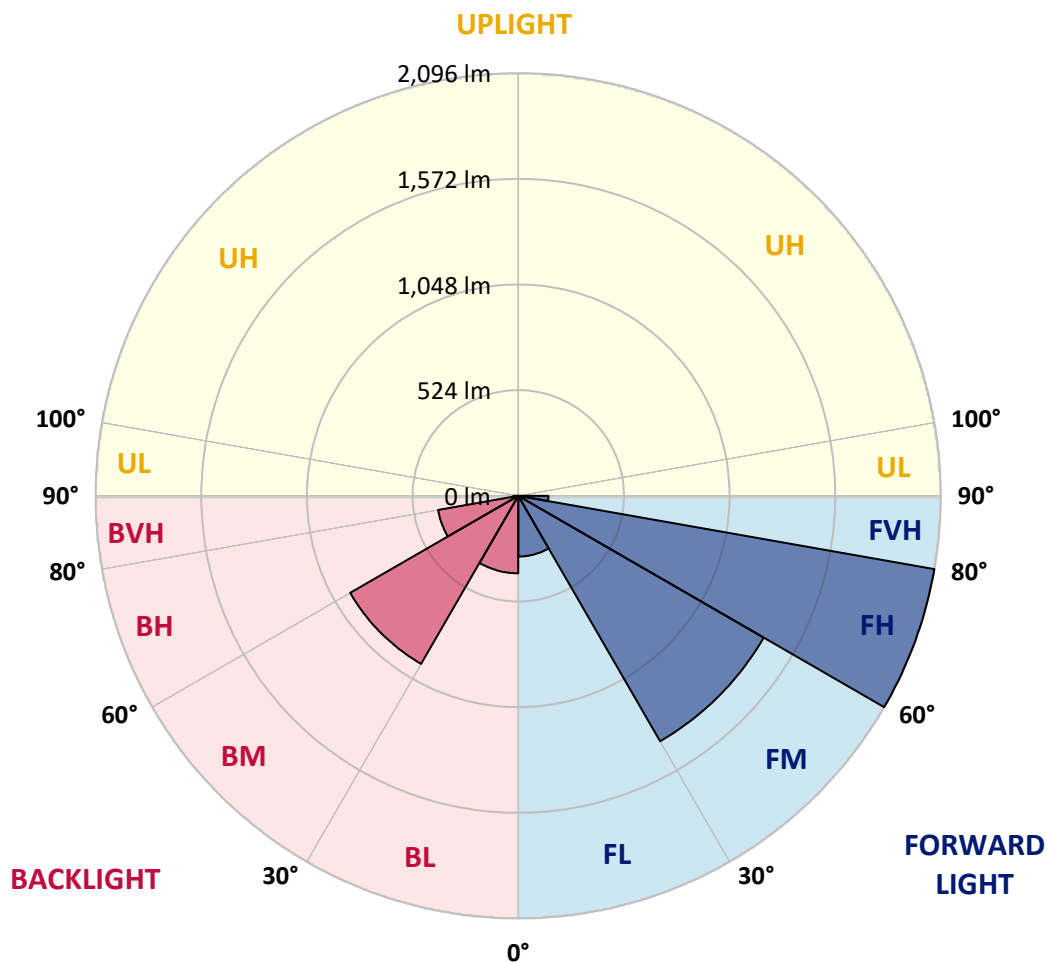


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	301.2	5.3			
FM (30°-60°)	1405.9	24.5			
FH (60°-80°)	2096.0	36.6			G2/5000
FVH (80°-90°)	149.5	2.6			G2/225
BL (0°-30°)	384.4	6.7	B1/500		
BM (30°-60°)	962.5	16.8	B1/1000		
BH (60°-80°)	403.7	7.0	B1/500		G1/500
BVH (80°-90°)	23.9	0.4			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 IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	654.9	654.9	654.9	654.9	654.9	654.9	654.9	654.9	654.9	654.9
2.5°	644.9	648.5	647.6	646.4	646.4	646.4	646.4	648.5	650.6	652.8
5°	651.5	655.2	653.4	651.9	650.6	650.3	649.4	649.1	650.3	653.1
7.5°	664.6	668.3	665.5	662.8	660.4	659.1	657.9	656.1	655.2	656.7
10°	679.2	682.8	679.5	674.6	670.7	669.2	668.0	666.1	664.9	665.8
12.5°	693.8	697.4	692.9	686.2	681.0	680.1	678.6	678.0	677.7	677.4
15°	707.4	710.5	704.7	696.8	691.3	689.8	688.3	689.2	690.7	692.6
17.5°	718.1	721.1	712.6	702.3	697.1	696.5	695.6	698.6	702.9	707.4
20°	727.8	730.8	719.9	705.9	699.8	699.8	700.1	706.5	712.6	719.3
22.5°	741.5	743.9	730.5	711.4	702.6	703.2	705.6	712.0	719.6	728.7
25°	761.8	763.6	747.2	721.7	711.7	713.5	715.6	718.7	726.0	736.6
27.5°	794.6	796.1	774.6	739.9	724.8	727.8	730.8	728.7	732.0	741.2
30°	840.8	841.7	814.4	768.5	746.9	748.4	749.1	740.2	733.9	741.2
32.5°	895.5	895.2	862.7	803.1	772.1	770.6	765.5	748.1	733.3	739.6
35°	980.2	976.9	934.9	851.7	800.7	791.3	779.1	757.0	736.3	738.1
37.5°	1120.5	1110.2	1052.2	931.3	843.2	819.2	801.3	771.2	743.0	737.5
40°	1278.8	1265.7	1201.9	1040.4	907.0	868.4	839.6	791.6	753.9	740.2
42.5°	1466.5	1448.0	1379.3	1168.8	987.8	931.9	888.5	817.4	770.0	749.1
45°	1697.1	1672.5	1575.3	1313.7	1089.6	1015.1	957.1	856.6	794.6	766.1
47.5°	1930.0	1936.1	1797.9	1479.6	1211.7	1117.8	1043.1	915.5	830.5	793.4
50°	2177.6	2181.9	2019.3	1663.3	1350.2	1233.8	1139.7	981.4	880.3	832.3
52.5°	2370.8	2371.4	2220.4	1855.6	1494.5	1361.4	1243.9	1056.8	938.0	883.9
55°	2491.7	2490.2	2361.4	2037.6	1660.3	1495.4	1359.3	1142.4	1008.5	944.7
57.5°	2579.5	2574.9	2458.6	2194.0	1837.1	1653.6	1489.9	1239.6	1091.7	1017.0
60°	2612.9	2610.1	2524.5	2329.2	2023.0	1828.6	1640.6	1348.4	1186.2	1102.3
62.5°	2625.6	2630.8	2589.2	2460.1	2221.9	2022.4	1806.1	1478.4	1292.5	1198.9
65°	2670.6	2680.0	2671.5	2631.4	2446.7	2249.3	2025.7	1633.0	1408.5	1302.5
67.5°	2759.6	2769.0	2772.7	2836.4	2721.3	2532.1	2299.7	1825.6	1544.3	1410.0
70°	2757.5	2754.7	2819.1	2999.6	3065.2	2923.6	2669.1	2062.5	1706.2	1499.3
72.5°	2509.9	2488.0	2640.2	2997.7	3351.3	3332.5	3120.1	2368.1	1845.9	1510.3
75°	1883.0	1824.6	2093.5	2701.6	3399.0	3564.5	3406.9	2557.6	1812.8	1334.4
77.5°	805.2	746.6	1063.4	1999.9	3042.1	3332.2	3143.8	2231.4	1447.1	882.4
80°	210.8	210.5	321.4	906.7	2068.9	2460.7	2158.8	1441.0	826.8	315.3
82.5°	87.2	85.1	118.2	352.7	1010.9	1380.9	1126.9	642.7	298.6	85.4
85°	32.5	32.2	57.4	121.8	356.6	569.5	412.2	164.3	74.4	41.6
87.5°	9.1	8.8	12.5	42.2	86.9	131.8	70.5	27.0	21.0	16.4
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°
654.9	0°	654.9	654.9	654.9	654.9	654.9	654.9	654.9	654.9	654.9	654.9
656.1	2.5°	657.0	658.5	661.3	663.4	666.1	669.2	673.4	676.2	678.9	680.7
657.6	5°	659.8	663.1	670.1	677.1	685.3	692.9	701.7	708.0	713.2	714.7
663.1	7.5°	665.8	671.3	683.1	695.0	708.0	720.5	733.3	744.2	753.0	756.3
672.8	10°	676.5	683.7	700.5	717.2	734.5	753.6	770.0	785.8	798.3	803.4
684.4	12.5°	689.8	698.9	720.8	743.9	767.9	794.3	815.6	835.0	850.5	857.5
700.5	15°	707.1	719.0	746.9	777.9	813.1	849.9	876.9	898.5	915.8	924.3
717.2	17.5°	726.0	741.8	777.0	823.8	874.2	922.5	954.1	969.9	987.8	996.0
732.7	20°	744.2	763.6	814.1	882.1	949.2	1000.6	1026.1	1030.3	1031.5	1032.5
747.2	22.5°	763.0	789.1	860.5	955.6	1027.6	1063.1	1066.8	1048.6	1023.0	1011.2
761.5	25°	783.7	818.3	921.3	1036.7	1095.0	1099.3	1071.3	1027.0	978.7	956.5
773.0	27.5°	803.7	852.0	994.2	1114.2	1143.6	1106.3	1046.1	983.2	924.9	901.5
781.3	30°	823.8	890.6	1074.7	1181.9	1165.8	1089.0	1006.3	936.2	877.5	852.9
788.5	32.5°	844.1	935.6	1167.3	1230.8	1161.9	1052.2	956.8	883.3	831.7	805.9
794.9	35°	867.2	990.8	1255.1	1257.5	1135.4	998.1	891.5	820.1	775.2	754.5
802.5	37.5°	897.3	1061.0	1332.6	1264.2	1089.3	918.9	810.4	745.4	708.4	698.9
813.8	40°	934.6	1145.5	1391.8	1253.6	1020.9	822.6	721.7	669.8	648.8	650.9
828.9	42.5°	983.2	1239.9	1433.4	1226.2	925.8	723.2	644.0	620.9	630.9	639.4
851.7	45°	1046.4	1338.0	1459.2	1179.8	818.3	639.1	598.1	603.6	611.1	612.1
888.5	47.5°	1127.2	1437.4	1476.2	1109.6	708.7	579.9	568.9	570.1	568.6	562.2
943.5	50°	1228.1	1533.9	1491.4	1016.7	615.4	542.8	528.2	524.0	503.0	482.4
1016.7	52.5°	1342.9	1622.6	1497.8	901.2	542.8	511.8	488.1	461.4	422.2	415.8
1108.7	55°	1470.5	1704.7	1481.4	759.4	481.8	472.0	436.2	404.0	399.7	394.3
1229.9	57.5°	1622.9	1793.1	1448.0	601.1	419.2	425.6	390.6	394.3	386.7	378.2
1385.7	60°	1789.7	1884.5	1389.4	456.8	354.5	367.5	378.8	378.5	376.3	369.4
1550.0	62.5°	1939.8	1944.6	1273.9	349.9	297.7	322.6	353.3	353.0	351.1	347.2
1721.7	65°	2029.1	1935.5	1081.4	275.5	250.9	285.5	318.6	321.1	321.4	321.1
1850.8	67.5°	2013.3	1828.9	817.1	219.3	212.3	247.9	284.3	287.7	290.1	290.7
1867.2	70°	1834.7	1594.7	532.8	175.0	178.0	214.8	251.8	255.2	257.3	259.7
1620.2	72.5°	1430.1	1172.5	305.0	141.5	147.9	186.2	219.6	223.6	224.8	229.3
1127.5	75°	871.5	689.5	164.6	111.5	121.5	159.2	187.7	192.3	194.4	199.9
553.7	77.5°	414.3	298.6	93.9	86.9	97.8	130.0	158.6	163.7	158.0	161.0
152.8	80°	140.0	110.9	59.2	66.2	74.7	101.5	127.0	132.1	120.0	119.4
50.7	82.5°	48.9	45.0	37.7	44.0	48.3	72.6	96.0	102.7	89.3	89.0
22.8	85°	19.1	18.2	21.0	24.0	28.9	44.7	63.2	66.5	55.0	44.3
6.7	87.5°	3.9	4.3	5.2	5.5	8.8	15.5	22.8	27.9	22.2	18.8
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°
654.9
679.5
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923.7
995.7
1034.9
1014.5
959.9
904.3
855.7
809.2
759.1
705.6
658.2
647.3
618.1
567.1
485.1
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395.2
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366.9
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