

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: P846333

Luminaire Tested: **GLAN-SB1D-930-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846333
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-SB1D-930-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 3000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6808 lumens
Efficiency: N/A
Efficacy: 85.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

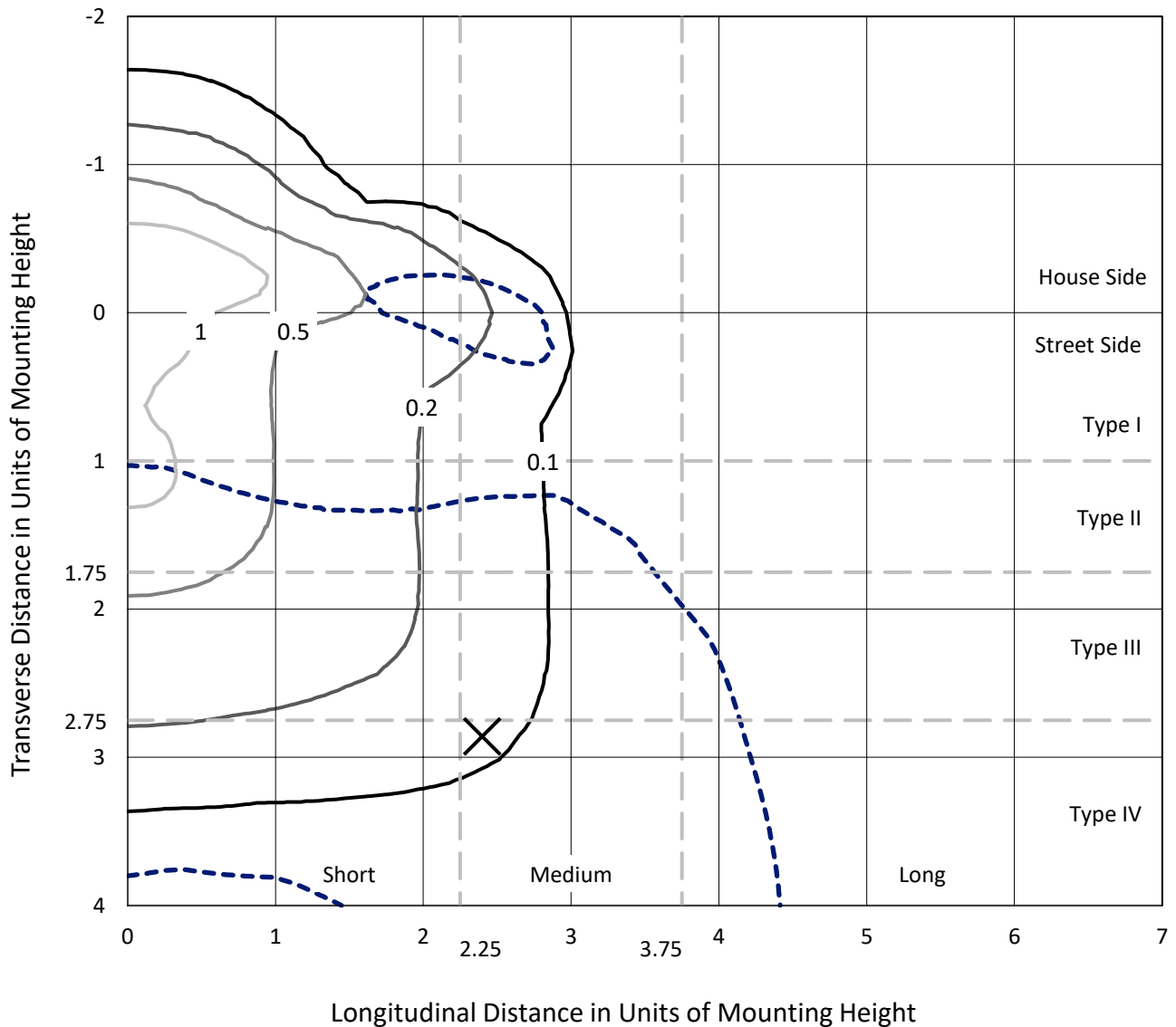
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

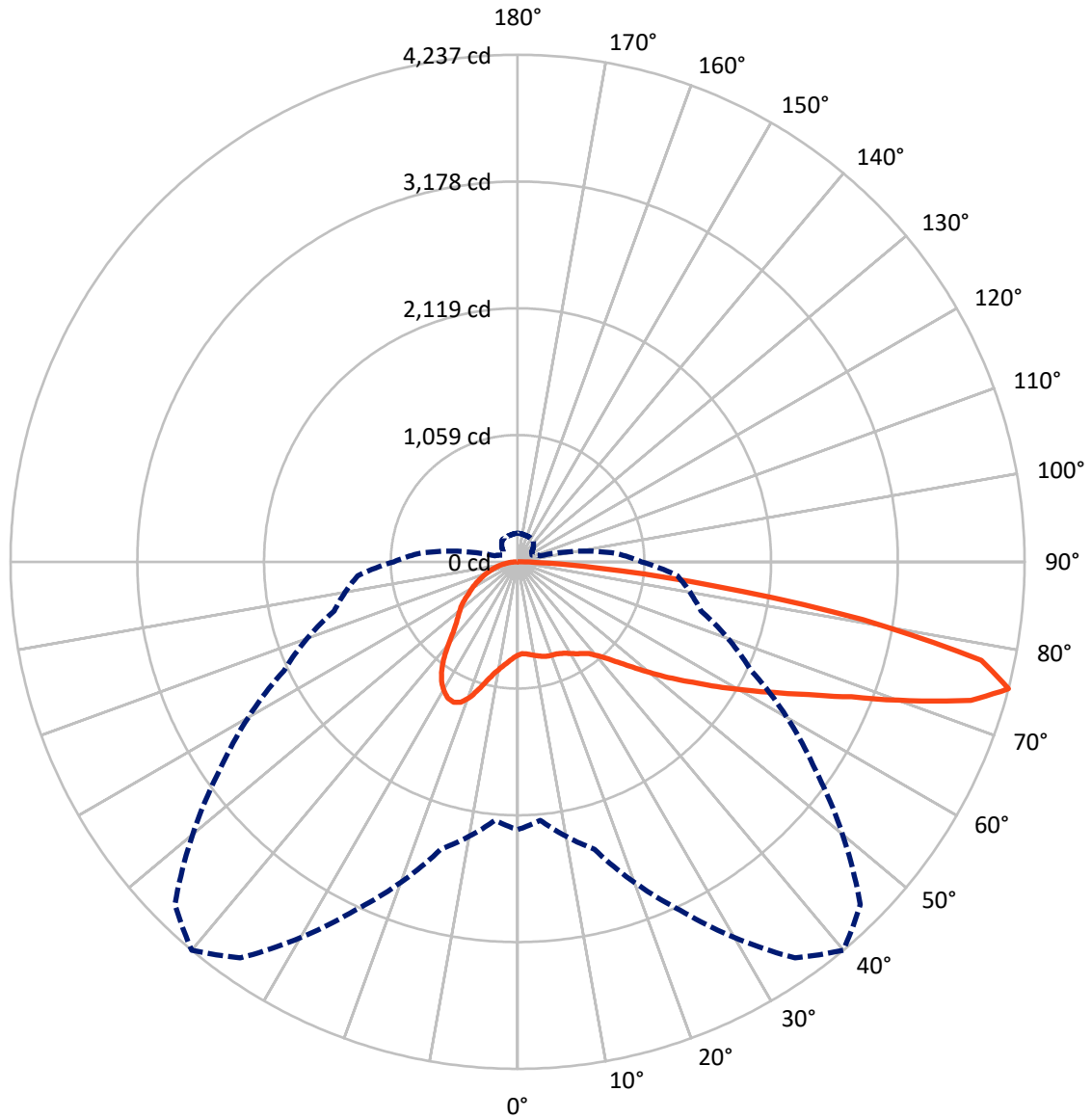
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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	2109.4	0.0	2109.4
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	4698.7	0.0	4698.7
	% Fixture	69.0	0.0	69.0
Total	Lumens	6808.0	0.0	6808.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.7	1.1
10°-20°	260.9	3.8
20°-30°	476.4	7.0
30°-40°	675.7	9.9
40°-50°	912.3	13.4
50°-60°	1227.3	18.0
60°-70°	1557.8	22.9
70°-80°	1413.8	20.8
80°-90°	206.1	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°	6808.0	100.0
0°-180°	6808.0	100.0

Coefficient of Utilization

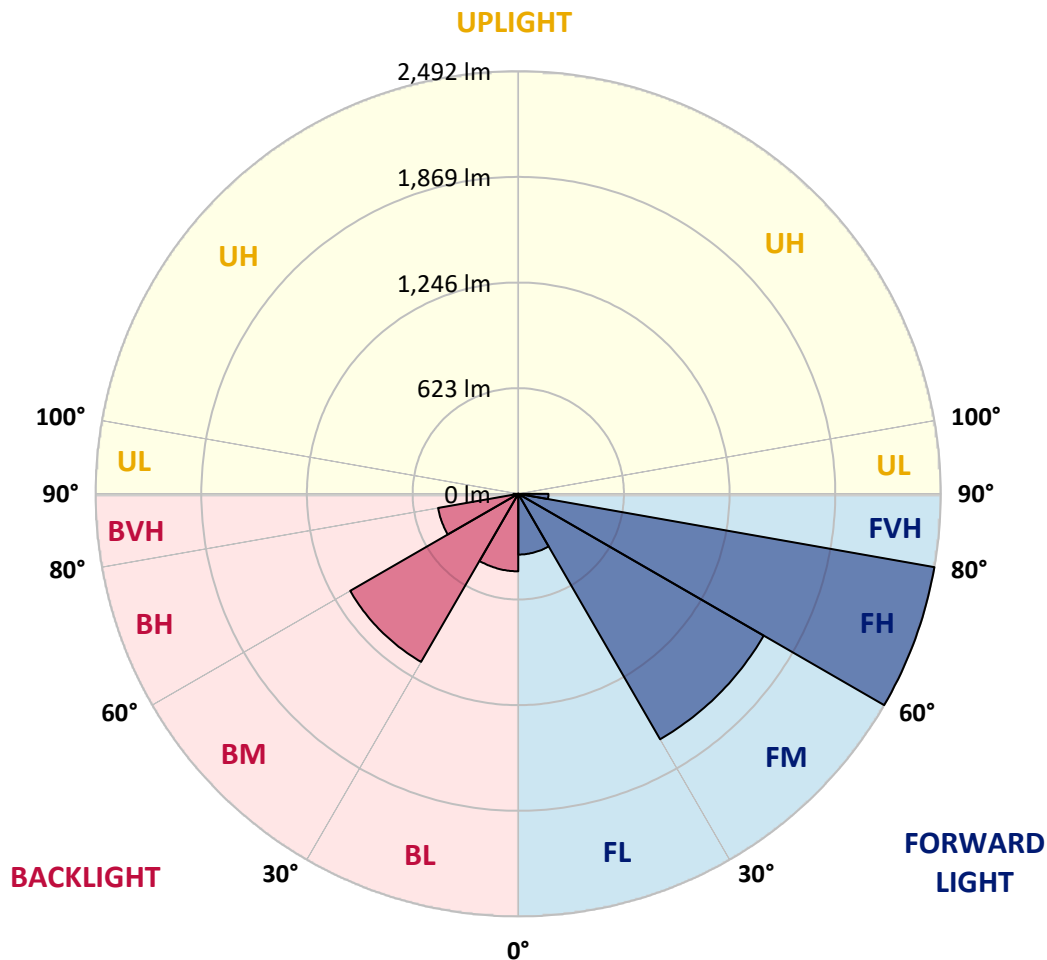


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	358.1	5.3			
FM (30°-60°)	1671.2	24.5			
FH (60°-80°)	2491.6	36.6			G2/5000
FVH (80°-90°)	177.7	2.6			G2/225
BL (0°-30°)	456.9	6.7	B1/500		
BM (30°-60°)	1144.1	16.8	B2/2500		
BH (60°-80°)	479.9	7.0	B1/500		G1/500
BVH (80°-90°)	28.4	0.4			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 IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	778.5	778.5	778.5	778.5	778.5	778.5	778.5	778.5	778.5	778.5
2.5°	766.6	770.9	769.8	768.4	768.4	768.4	768.4	770.9	773.4	776.0
5°	774.5	778.9	776.7	774.9	773.4	773.4	772.0	771.6	773.1	776.3
7.5°	790.1	794.4	791.1	787.9	785.0	785.0	782.1	779.9	778.9	780.7
10°	807.4	811.7	807.8	802.0	797.3	797.3	794.0	791.9	790.4	791.5
12.5°	824.7	829.1	823.6	815.7	809.6	809.6	806.7	805.9	805.6	805.2
15°	841.0	844.6	837.7	828.3	821.8	821.8	818.2	819.3	821.1	823.3
17.5°	853.6	857.2	847.1	834.8	828.7	828.7	826.9	830.5	835.6	841.0
20°	865.2	868.8	855.8	839.2	831.9	831.9	832.3	839.9	847.1	855.1
22.5°	881.4	884.3	868.4	845.7	835.2	835.2	838.8	846.4	855.4	866.2
25°	905.6	907.8	888.3	857.9	846.0	846.0	850.7	854.3	863.0	875.6
27.5°	944.6	946.4	920.8	879.6	861.6	861.6	868.8	866.2	870.2	881.1
30°	999.5	1000.6	968.1	913.6	887.9	887.9	890.4	880.0	872.4	881.1
32.5°	1064.5	1064.1	1025.5	954.7	917.9	917.9	909.9	889.4	871.7	879.2
35°	1165.2	1161.3	1111.4	1012.5	951.8	951.8	926.2	899.8	875.3	877.4
37.5°	1332.1	1319.8	1250.8	1107.1	1002.4	1002.4	952.5	916.8	883.2	876.7
40°	1520.2	1504.7	1428.8	1236.7	1078.2	1078.2	998.0	941.0	896.2	880.0
42.5°	1743.3	1721.3	1639.7	1389.5	1174.3	1174.3	1056.2	971.7	915.4	890.4
45°	2017.4	1988.1	1872.6	1561.7	1295.2	1295.2	1137.8	1018.3	944.6	910.7
47.5°	2294.3	2301.6	2137.3	1758.9	1440.4	1440.4	1240.0	1088.3	987.2	943.2
50°	2588.6	2593.7	2400.5	1977.3	1605.0	1605.0	1354.8	1166.7	1046.4	989.4
52.5°	2818.3	2819.0	2639.5	2205.9	1776.5	1776.5	1478.7	1256.2	1115.0	1050.8
55°	2962.0	2960.2	2807.1	2422.2	1973.7	1973.7	1615.9	1358.0	1198.8	1123.0
57.5°	3066.4	3060.9	2922.6	2608.1	2183.9	2183.9	1771.1	1473.6	1297.7	1208.9
60°	3106.1	3102.8	3001.0	2768.8	2404.8	2404.8	1950.2	1602.9	1410.0	1310.4
62.5°	3121.2	3127.4	3077.9	2924.4	2641.4	2641.4	2147.0	1757.4	1536.4	1425.2
65°	3174.7	3185.9	3175.8	3128.1	2908.6	2908.6	2408.1	1941.2	1674.4	1548.3
67.5°	3280.5	3291.7	3296.0	3371.8	3235.0	3235.0	2733.8	2170.1	1835.8	1676.2
70°	3277.9	3274.7	3351.2	3565.7	3643.7	3643.7	3172.9	2451.8	2028.2	1782.3
72.5°	2983.7	2957.7	3138.6	3563.6	3983.9	3983.9	3709.1	2815.0	2194.3	1795.3
75°	2238.4	2169.1	2488.6	3211.5	4040.6	4040.6	4237.4	4050.0	3040.4	2155.0
77.5°	957.2	887.6	1264.2	2377.4	3616.3	3616.3	3737.3	2652.5	1720.2	1049.0
80°	250.6	250.2	382.0	1077.8	2459.4	2459.4	2566.2	1713.0	982.9	374.8
82.5°	103.6	101.1	140.5	419.2	1201.7	1201.7	1339.6	764.1	354.9	101.5
85°	38.6	38.3	68.2	144.8	423.9	423.9	490.0	195.3	88.5	49.5
87.5°	10.8	10.5	14.8	50.2	103.3	103.3	83.8	32.1	24.9	19.5
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°
778.5	0°	778.5	778.5	778.5	778.5	778.5	778.5	778.5	778.5	778.5	778.5
779.9	2.5°	781.0	782.8	786.1	788.6	791.9	795.5	800.5	803.8	807.0	809.2
781.8	5°	784.3	788.3	796.6	804.9	814.6	823.6	834.1	841.7	847.8	849.6
788.3	7.5°	791.5	798.0	812.1	826.2	841.7	856.5	871.7	884.7	895.1	899.1
799.8	10°	804.1	812.8	832.7	852.5	873.1	895.9	915.4	934.1	948.9	955.1
813.5	12.5°	820.0	830.9	856.9	884.3	912.8	944.2	969.5	992.6	1011.0	1019.3
832.7	15°	840.6	854.7	887.9	924.7	966.6	1010.3	1042.5	1068.1	1088.7	1098.8
852.5	17.5°	863.0	881.8	923.7	979.3	1039.2	1096.6	1134.2	1153.0	1174.3	1184.0
870.9	20°	884.7	907.8	967.7	1048.6	1128.4	1189.4	1219.8	1224.8	1226.3	1227.3
888.3	22.5°	907.1	938.1	1023.0	1136.0	1221.6	1263.8	1268.1	1246.5	1216.1	1202.1
905.2	25°	931.6	972.8	1095.2	1232.4	1301.7	1306.8	1273.6	1220.8	1163.4	1137.1
919.0	27.5°	955.4	1012.8	1181.8	1324.5	1359.5	1315.1	1243.6	1168.8	1099.5	1071.7
928.7	30°	979.3	1058.7	1277.5	1405.0	1385.9	1294.5	1196.3	1112.9	1043.2	1013.9
937.4	32.5°	1003.5	1112.1	1387.7	1463.1	1381.2	1250.8	1137.4	1050.0	988.7	958.0
945.0	35°	1030.9	1177.9	1492.0	1494.9	1349.7	1186.5	1059.8	974.9	921.5	896.9
954.0	37.5°	1066.7	1261.3	1584.1	1502.8	1294.9	1092.3	963.4	886.1	842.1	830.9
967.4	40°	1111.1	1361.7	1654.5	1490.2	1213.6	977.8	857.9	796.2	771.3	773.8
985.4	42.5°	1168.8	1474.0	1704.0	1457.7	1100.6	859.7	765.5	738.1	750.0	760.1
1012.5	45°	1243.9	1590.6	1734.7	1402.5	972.8	759.7	711.0	717.5	726.5	727.6
1056.2	47.5°	1340.0	1708.7	1754.9	1319.1	842.4	689.3	676.3	677.8	676.0	668.4
1121.5	50°	1459.9	1823.5	1772.9	1208.6	731.6	645.3	627.9	622.9	598.0	573.4
1208.6	52.5°	1596.4	1928.9	1780.5	1071.3	645.3	608.4	580.3	548.5	501.9	494.3
1318.0	55°	1748.0	2026.4	1761.0	902.7	572.7	561.1	518.5	480.2	475.2	468.7
1462.0	57.5°	1929.3	2131.5	1721.3	714.6	498.3	505.9	464.4	468.7	459.7	449.6
1647.3	60°	2127.5	2240.2	1651.6	543.1	421.4	436.9	450.3	449.9	447.4	439.1
1842.6	62.5°	2305.9	2311.7	1514.4	416.0	353.9	383.5	419.9	419.6	417.4	412.7
2046.6	65°	2412.1	2300.8	1285.5	327.5	298.3	339.4	378.8	381.7	382.0	381.7
2200.1	67.5°	2393.3	2174.1	971.3	260.7	252.4	294.6	338.0	341.9	344.8	345.6
2219.6	70°	2181.0	1895.7	633.3	208.0	211.6	255.3	299.3	303.3	305.8	308.7
1926.0	72.5°	1700.0	1393.8	362.5	168.3	175.8	221.3	261.1	265.8	267.2	272.6
1340.4	75°	1036.0	819.7	195.7	132.5	144.4	189.2	223.2	228.6	231.1	237.6
658.3	77.5°	492.5	354.9	111.6	103.3	116.3	154.5	188.5	194.6	187.8	191.4
181.6	80°	166.5	131.8	70.4	78.7	88.8	120.6	150.9	157.1	142.6	141.9
60.3	82.5°	58.1	53.4	44.8	52.4	57.4	86.3	114.1	122.0	106.2	105.8
27.1	85°	22.7	21.7	24.9	28.5	34.3	53.1	75.1	79.1	65.4	52.7
7.9	87.5°	4.7	5.1	6.1	6.5	10.5	18.4	27.1	33.2	26.4	22.4
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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778.5
807.8
850.4
899.5
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1019.3
1098.1
1183.6
1230.2
1206.0
1141.0
1075.0
1017.2
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902.4
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