

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: P845996

Luminaire Tested: **GLAN-SB1B-930-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845996
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-SB1B-930-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 3000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3765 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

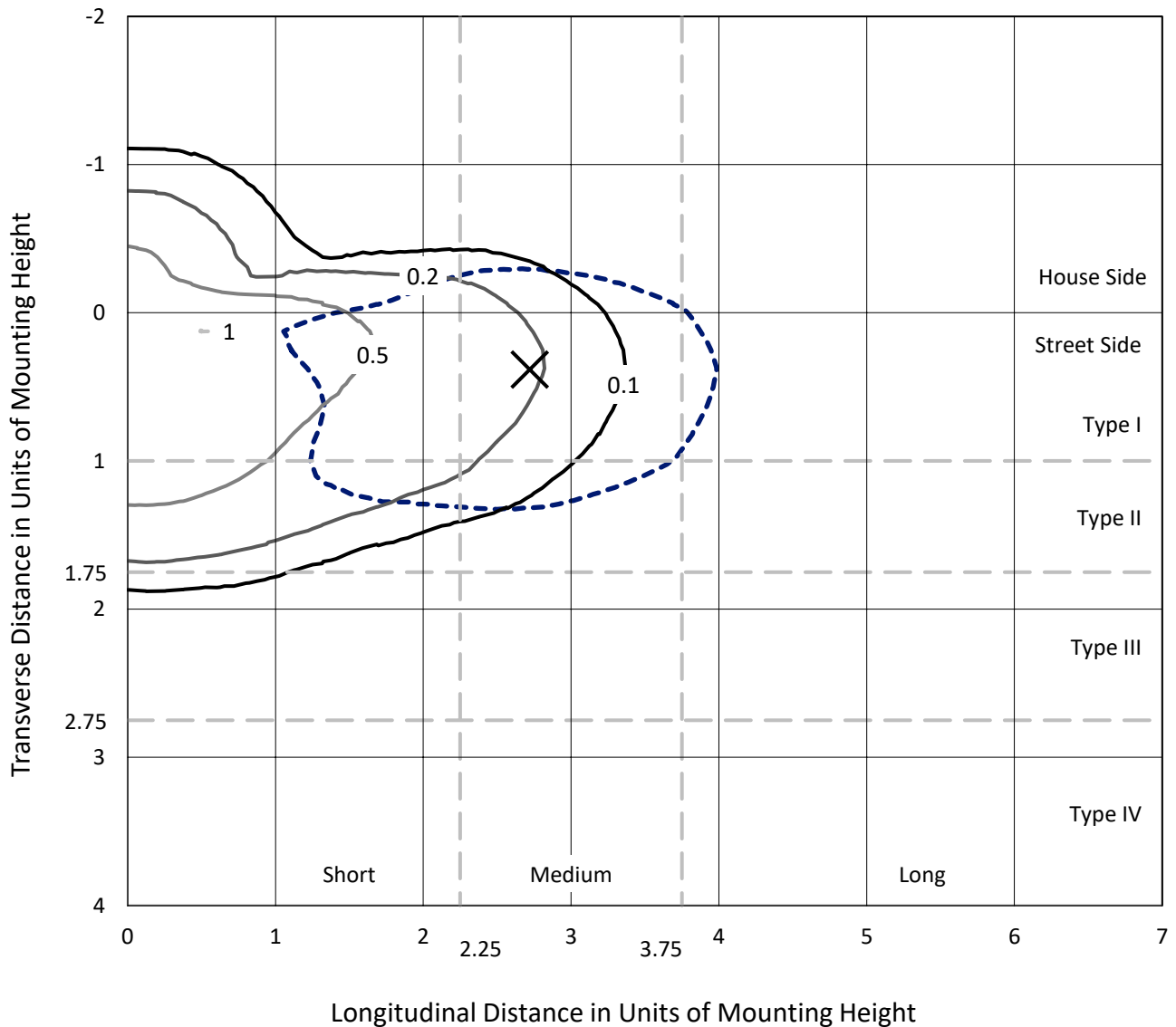
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

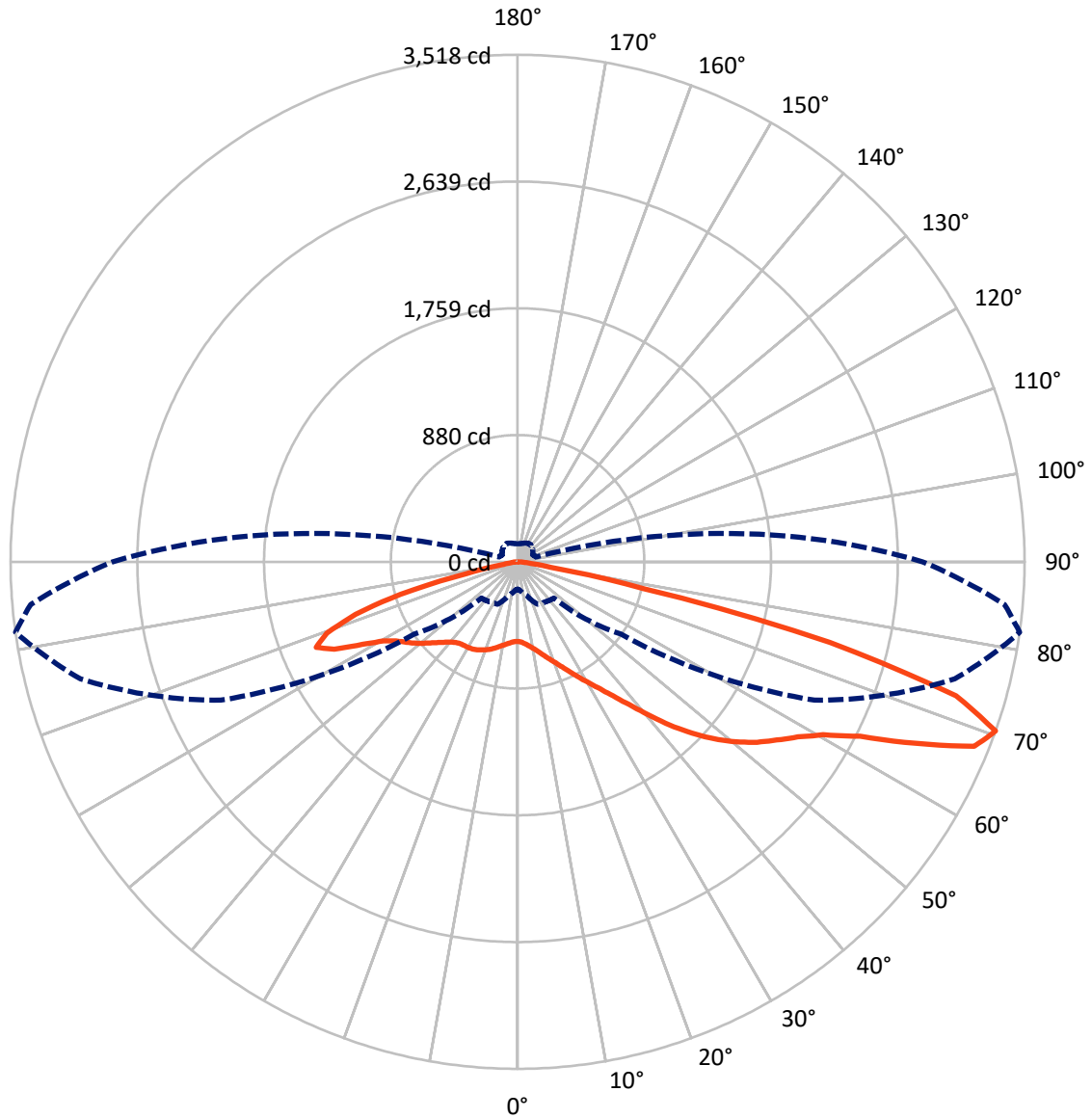
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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	928.2	0.0	928.2
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	2836.8	0.0	2836.8
	% Fixture	75.3	0.0	75.3
Total	Lumens	3765.0	0.0	3765.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.1	1.4
10°-20°	149.7	4.0
20°-30°	250.5	6.7
30°-40°	391.3	10.4
40°-50°	623.3	16.6
50°-60°	867.3	23.0
60°-70°	907.3	24.1
70°-80°	474.2	12.6
80°-90°	49.2	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°	3765.0	100.0
0°-180°	3765.0	100.0

Coefficient of Utilization

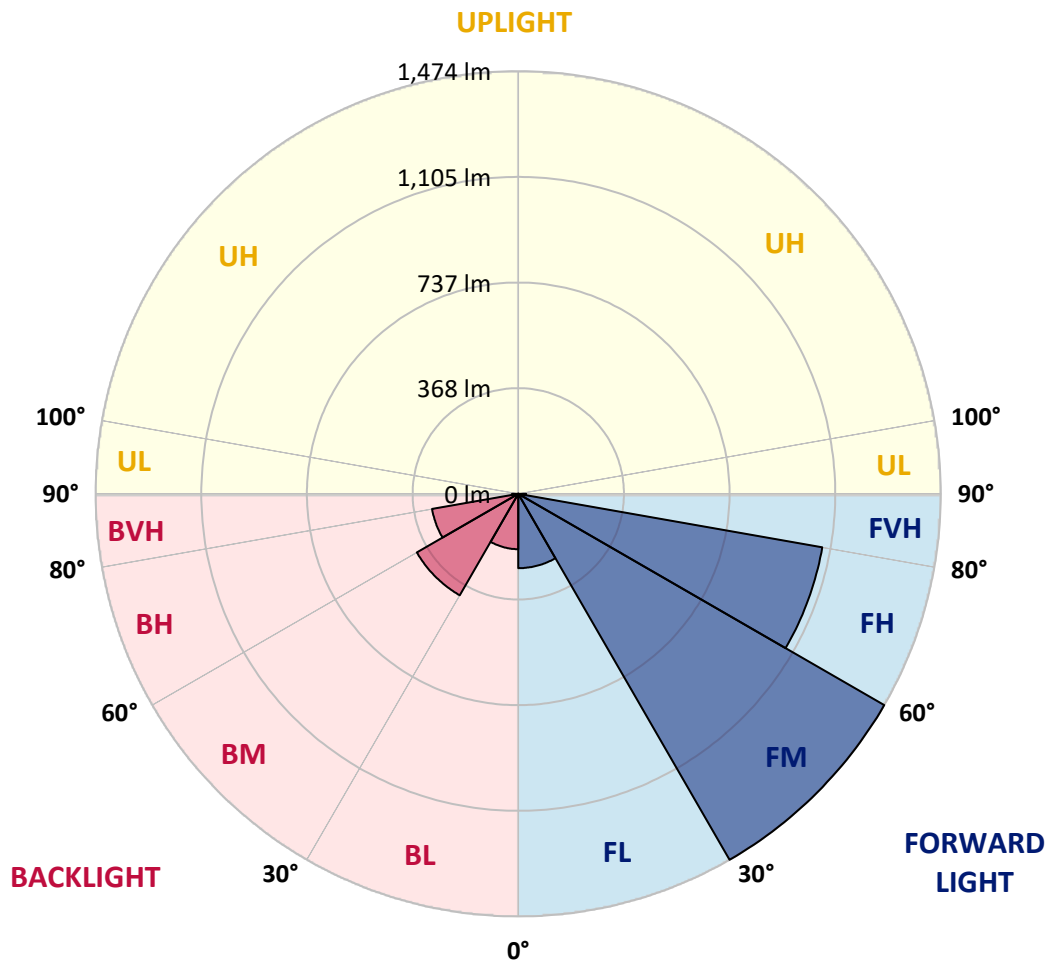


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	259.3	6.9			
FM (30°-60°)	1473.6	39.1			
FH (60°-80°)	1076.4	28.6			G1/1800
FVH (80°-90°)	27.6	0.7			G1/100
BL (0°-30°)	193.1	5.1	B1/500		
BM (30°-60°)	408.4	10.8	B1/1000		
BH (60°-80°)	305.0	8.1	B1/500		G1/500
BVH (80°-90°)	21.7	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	552.0	552.0	552.0	552.0	552.0	552.0	552.0	552.0	552.0	552.0
2.5°	565.2	568.4	567.4	566.4	566.4	565.0	564.8	562.8	561.2	558.6
5°	572.4	575.8	575.4	576.2	578.8	579.4	580.0	578.8	575.6	572.4
7.5°	566.0	569.8	571.0	575.8	583.8	591.0	596.3	598.5	595.5	591.0
10°	544.4	548.6	552.8	564.2	578.4	595.3	609.7	618.3	617.7	613.3
12.5°	500.7	505.0	514.0	536.2	562.2	592.2	618.9	636.9	643.1	639.9
15°	465.7	469.5	476.3	499.1	532.8	578.4	622.3	657.3	673.1	671.3
17.5°	464.7	466.3	470.5	481.3	507.2	556.8	618.7	677.3	707.4	707.2
20°	482.3	482.9	485.3	487.5	502.3	540.4	609.5	693.8	746.0	746.0
22.5°	506.6	506.2	508.6	506.6	513.8	539.0	603.7	708.4	788.9	792.1
25°	543.2	541.2	540.6	536.0	537.4	552.0	610.1	725.0	839.9	846.5
27.5°	592.0	588.8	586.6	576.0	572.4	578.8	629.7	745.0	896.6	908.0
30°	655.5	649.7	646.5	628.1	615.1	616.1	659.3	771.6	956.0	974.3
32.5°	742.2	733.2	724.6	694.4	670.7	662.9	697.4	808.3	1020.3	1049.7
35°	839.3	832.1	822.9	776.4	739.8	721.8	749.0	859.7	1095.6	1142.2
37.5°	932.8	926.6	931.0	868.3	821.1	794.9	816.5	928.6	1188.5	1257.2
40°	1029.5	1024.7	1025.3	965.3	910.4	881.0	898.4	1015.1	1295.0	1394.1
42.5°	1134.6	1131.0	1119.0	1065.8	1004.1	976.7	992.7	1115.0	1409.3	1549.9
45°	1252.2	1250.0	1238.8	1177.9	1107.2	1076.4	1098.0	1225.3	1524.1	1696.5
47.5°	1353.9	1355.7	1354.3	1303.0	1229.7	1184.5	1210.3	1340.3	1631.0	1834.4
50°	1402.9	1412.3	1426.0	1410.1	1364.5	1318.6	1323.6	1451.4	1732.9	1963.7
52.5°	1377.3	1395.1	1432.6	1458.2	1475.8	1466.2	1452.8	1561.7	1828.8	2080.3
55°	1282.0	1307.0	1369.3	1431.0	1520.7	1590.5	1608.0	1684.0	1922.3	2183.0
57.5°	1108.4	1148.9	1204.9	1329.7	1480.8	1650.6	1789.0	1853.6	2021.4	2292.7
60°	810.7	865.1	934.6	1120.4	1340.9	1618.4	1943.1	2114.1	2162.2	2434.7
62.5°	518.8	552.4	616.3	791.3	1044.9	1453.6	1990.2	2439.7	2401.0	2667.7
65°	355.2	376.8	435.3	533.6	675.5	1082.0	1864.0	2683.9	2780.2	3036.9
67.5°	258.1	274.5	324.4	410.6	440.1	640.3	1446.4	2672.7	3148.8	3417.3
70°	188.2	199.8	241.7	324.4	338.6	356.2	876.2	2271.9	3140.8	3518.4
72.5°	139.4	147.4	175.6	251.7	274.1	240.5	433.7	1651.2	2698.8	3182.3
75°	100.9	106.9	127.7	192.6	219.4	183.2	216.4	964.9	1882.5	2238.6
77.5°	77.1	81.7	95.3	141.0	175.6	137.4	134.3	443.9	892.6	897.0
80°	61.9	64.9	72.3	99.3	134.7	102.9	87.5	179.2	282.1	238.7
82.5°	45.6	50.5	61.1	69.7	96.3	70.9	53.3	90.5	107.3	92.3
85°	26.0	29.4	37.0	49.9	61.5	43.4	30.6	40.2	49.9	41.0
87.5°	9.2	12.0	13.0	19.6	26.8	18.0	11.8	11.6	16.4	12.2
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°
552.0	0°	552.0	552.0	552.0	552.0	552.0	552.0	552.0	552.0	552.0	552.0
558.0	2.5°	556.0	555.0	551.0	545.6	540.0	534.6	532.8	529.0	526.4	525.0
571.0	5°	567.2	564.0	554.6	542.6	530.0	516.4	506.8	498.1	491.7	485.7
588.8	7.5°	583.2	577.6	561.4	540.4	518.0	495.5	478.7	465.9	457.3	451.7
609.5	10°	601.7	593.2	568.4	537.0	502.5	470.1	450.3	439.3	433.9	430.9
633.3	12.5°	623.1	610.9	575.6	529.2	478.7	441.7	428.1	424.9	425.1	425.3
663.3	15°	649.5	632.5	581.4	512.2	447.7	419.9	417.5	422.7	428.1	430.7
697.2	17.5°	679.3	655.3	582.4	484.3	417.3	406.0	413.5	424.7	432.9	436.5
735.2	20°	711.2	678.5	575.2	444.7	392.4	394.6	408.2	422.5	431.5	436.1
778.5	22.5°	747.8	703.2	558.0	403.2	372.0	382.2	398.2	412.1	421.5	426.1
829.5	25°	789.5	731.0	531.0	368.2	354.4	368.2	384.2	395.8	403.4	407.6
886.4	27.5°	835.9	760.0	495.1	340.4	339.0	353.8	367.0	376.0	380.0	383.2
947.0	30°	882.4	786.3	451.5	319.5	325.6	339.6	349.0	353.0	354.2	354.8
1014.5	32.5°	932.8	809.1	405.8	302.1	312.9	325.8	331.4	333.2	327.6	323.8
1096.4	35°	993.7	833.5	361.0	288.3	300.3	311.5	313.3	311.7	305.1	297.3
1199.1	37.5°	1069.0	863.9	325.2	278.5	288.5	295.9	293.7	293.3	293.9	284.7
1322.6	40°	1161.3	903.4	299.1	270.9	278.9	280.5	274.3	277.7	280.7	266.7
1458.0	42.5°	1263.8	951.2	282.5	265.7	270.9	267.1	257.5	261.3	260.9	242.5
1594.1	45°	1368.3	1003.1	276.7	261.9	263.5	255.9	245.3	246.3	237.9	221.4
1724.5	47.5°	1472.2	1058.8	280.3	258.7	254.3	245.7	237.5	233.1	220.8	208.4
1849.6	50°	1574.1	1117.4	293.5	252.3	241.7	236.7	230.7	223.0	209.8	199.2
1967.8	52.5°	1668.6	1176.3	308.3	241.7	226.0	228.9	225.2	216.2	203.2	192.4
2079.7	55°	1758.1	1235.2	314.1	227.2	211.2	222.2	220.0	203.4	187.8	179.0
2196.8	57.5°	1855.6	1306.2	307.7	208.6	199.2	214.4	206.0	187.6	178.6	172.0
2349.2	60°	1990.6	1417.4	293.9	185.6	187.8	202.8	188.4	180.8	171.0	163.6
2577.8	62.5°	2215.0	1625.0	271.7	162.8	174.4	185.6	180.0	172.4	162.4	155.2
2968.6	65°	2546.6	1913.5	229.9	145.0	159.4	168.8	171.0	163.4	153.0	145.4
3311.0	67.5°	2826.3	2094.5	174.0	130.3	144.0	155.2	161.4	154.0	143.0	135.7
3391.1	70°	2810.9	1963.1	132.9	115.7	130.5	141.8	149.8	144.0	132.3	125.3
3080.2	72.5°	2496.7	1642.2	107.5	100.9	116.7	127.9	137.4	133.1	121.1	114.3
2256.5	75°	1834.2	1165.7	85.9	85.9	99.5	113.3	123.9	121.1	110.1	105.3
947.4	77.5°	773.2	489.1	67.3	71.3	82.7	97.3	110.5	111.5	101.9	107.9
250.5	80°	205.6	134.9	51.3	56.1	64.9	80.3	96.1	95.7	85.3	79.7
93.1	82.5°	78.3	53.1	36.6	39.6	46.9	61.5	76.1	78.5	68.1	58.9
36.6	85°	30.2	22.8	22.6	23.8	27.4	40.8	57.5	59.5	51.3	43.6
10.2	87.5°	7.8	6.8	8.4	8.0	12.6	21.8	33.0	34.2	31.4	18.2
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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552.0
526.6
488.1
452.9
431.7
425.7
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437.3
437.3
427.3
408.8
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297.7
285.3
267.1
242.3
222.0
208.4
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