

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: P845716

Luminaire Tested: **GLAN-SB1A-730-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845716
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-SB1A-730-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4295 lumens
Efficiency: N/A
Efficacy: 139.0 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

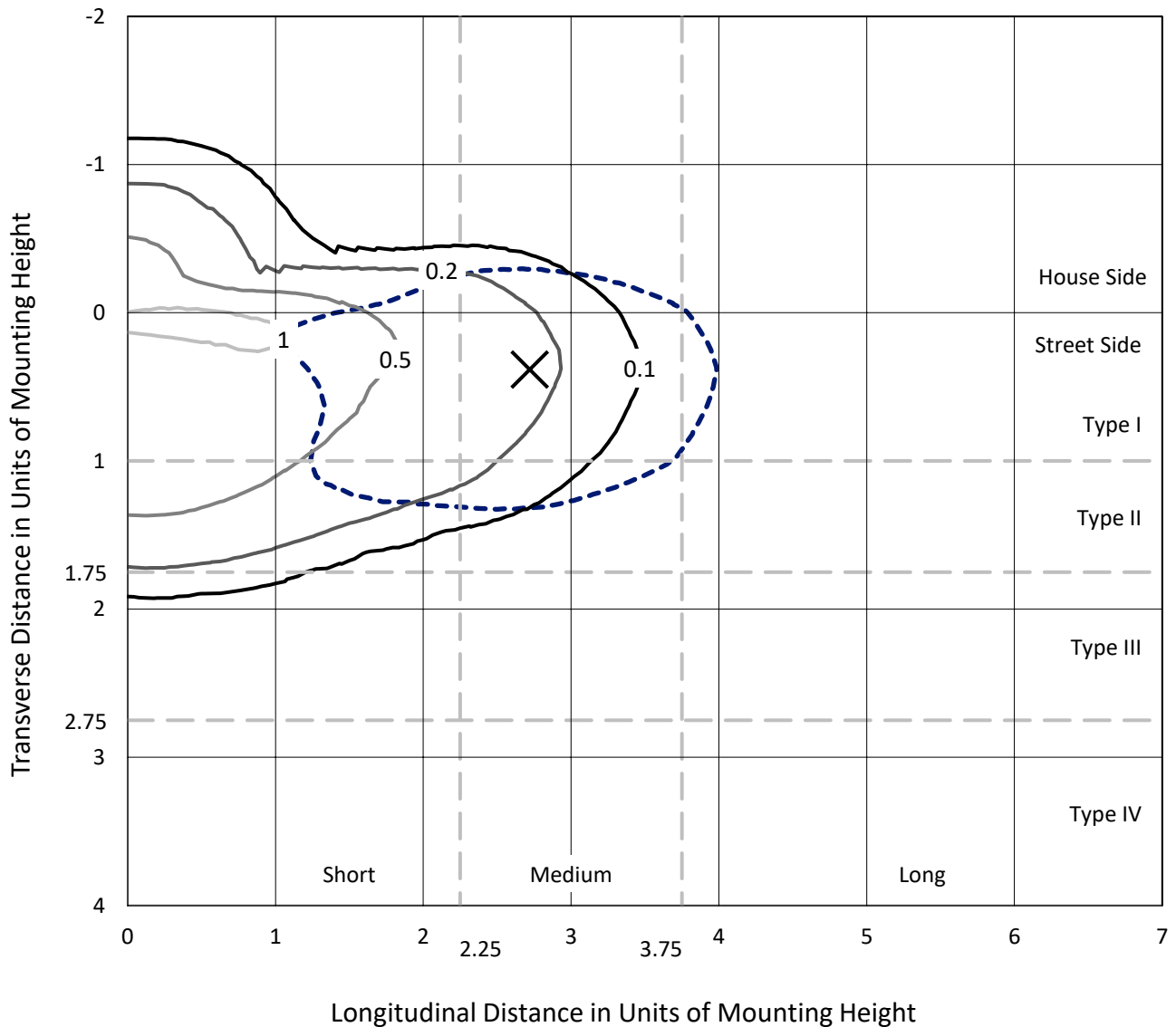
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

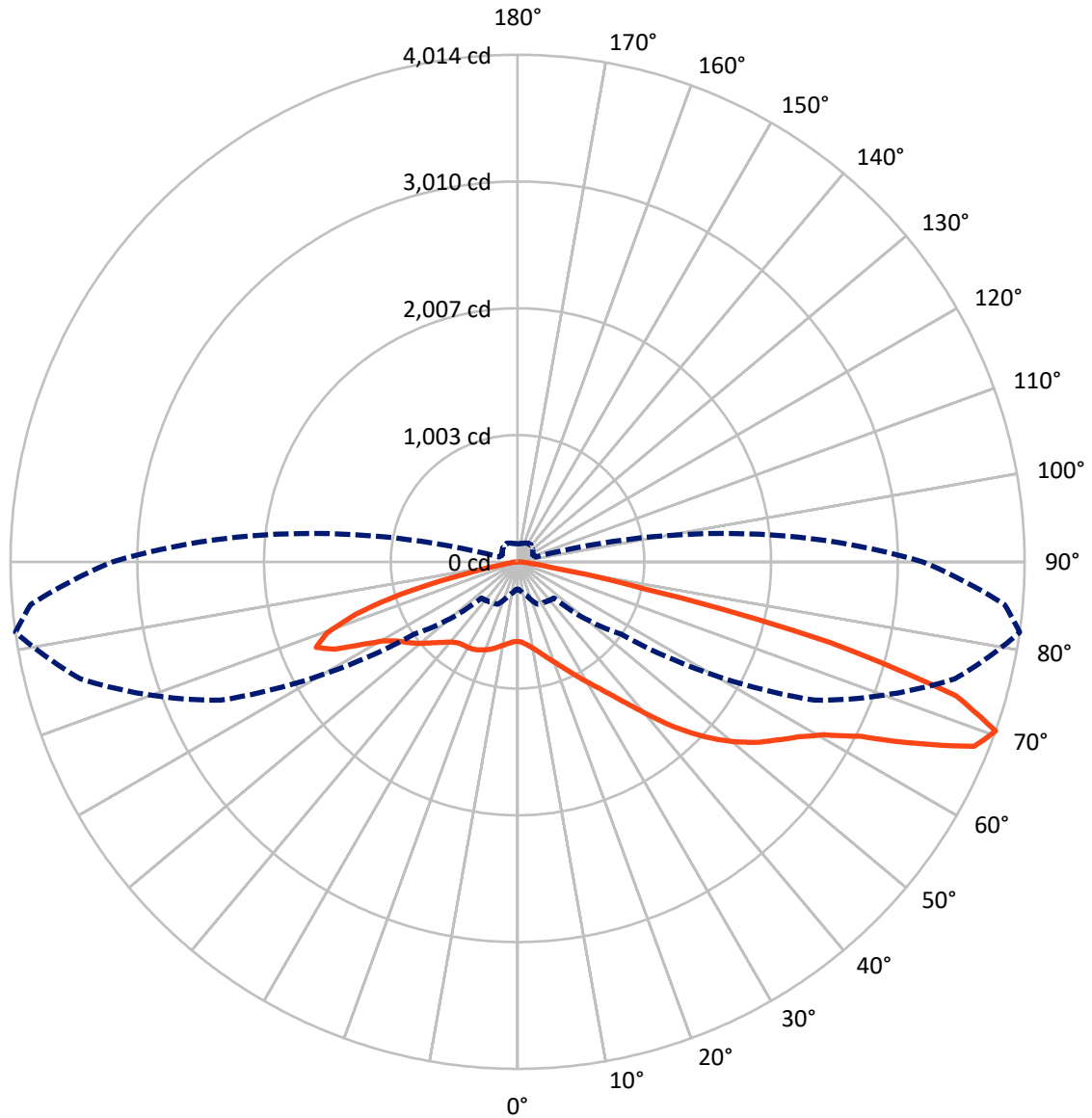
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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	1058.8	0.0	1058.8
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	3236.2	0.0	3236.2
	% Fixture	75.3	0.0	75.3
Total	Lumens	4295.0	0.0	4295.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.5	1.4
10°-20°	170.8	4.0
20°-30°	285.8	6.7
30°-40°	446.4	10.4
40°-50°	711.0	16.6
50°-60°	989.4	23.0
60°-70°	1035.0	24.1
70°-80°	540.9	12.6
80°-90°	56.2	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°	4295.0	100.0
0°-180°	4295.0	100.0

Coefficient of Utilization

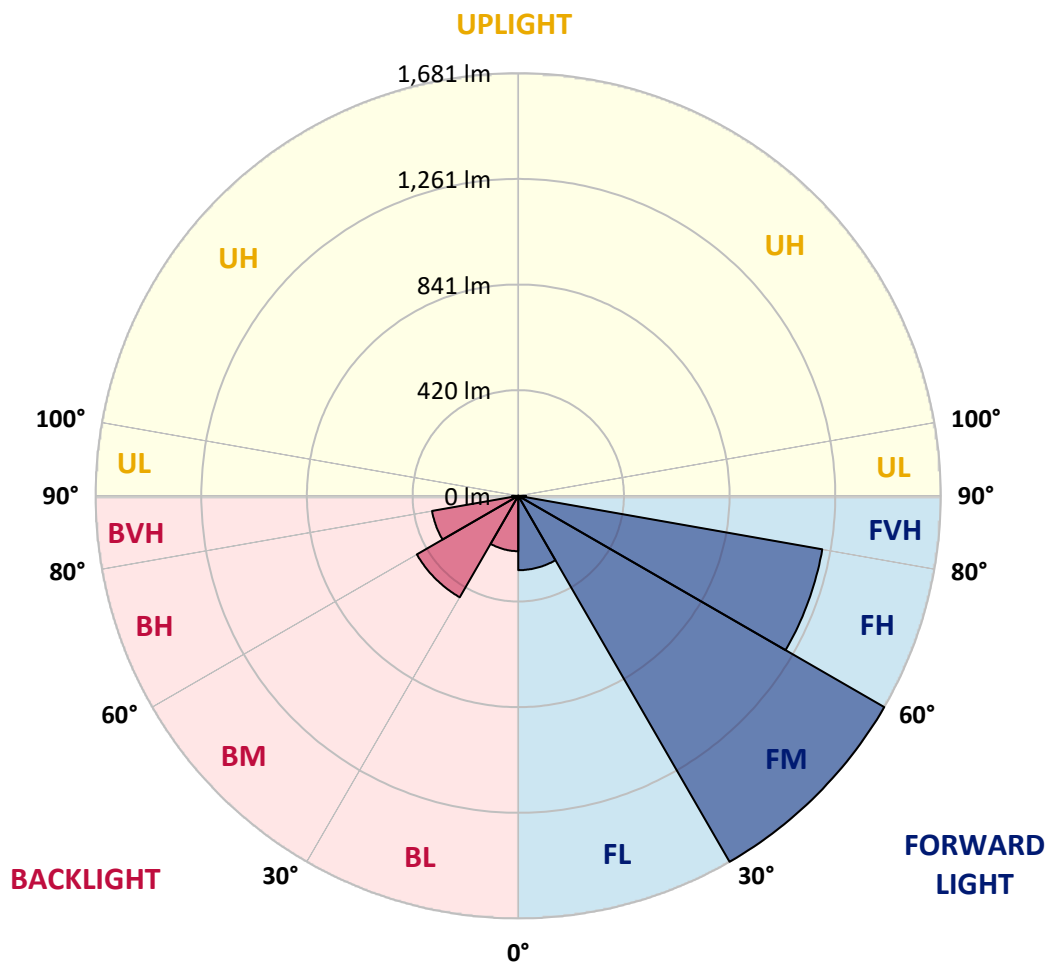


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	295.8	6.9			
FM (30°-60°)	1681.0	39.1			
FH (60°-80°)	1228.0	28.6			G1/1800
FVH (80°-90°)	31.4	0.7			G1/100
BL (0°-30°)	220.3	5.1	B1/500		
BM (30°-60°)	465.8	10.8	B1/1000		
BH (60°-80°)	348.0	8.1	B1/500		G1/500
BVH (80°-90°)	24.7	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°	629.7	629.7	629.7	629.7	629.7	629.7	629.7	629.7	629.7	629.7
2.5°	644.7	648.4	647.2	646.1	646.1	644.5	644.3	642.0	640.2	637.2
5°	652.9	656.8	656.4	657.3	660.2	660.9	661.6	660.2	656.6	652.9
7.5°	645.7	650.0	651.4	656.8	665.9	674.1	680.3	682.8	679.4	674.1
10°	621.0	625.8	630.6	643.6	659.8	679.2	695.6	705.4	704.7	699.7
12.5°	571.1	576.1	586.4	611.7	641.3	675.5	706.0	726.6	733.6	730.0
15°	531.2	535.6	543.3	569.3	607.8	659.8	709.9	749.8	767.8	765.8
17.5°	530.1	531.9	536.7	549.0	578.7	635.2	705.8	772.6	807.0	806.8
20°	550.2	550.8	553.6	556.1	573.0	616.5	695.3	791.5	851.0	851.0
22.5°	578.0	577.5	580.2	578.0	586.2	614.9	688.7	808.2	900.0	903.6
25°	619.7	617.4	616.7	611.5	613.1	629.7	696.0	827.1	958.1	965.6
27.5°	675.3	671.6	669.1	657.0	652.9	660.2	718.4	849.9	1022.8	1035.8
30°	747.8	741.1	737.5	716.5	701.7	702.9	752.1	880.2	1090.5	1111.5
32.5°	846.7	836.4	826.6	792.2	765.1	756.2	795.6	922.1	1163.9	1197.4
35°	957.4	949.2	938.7	885.6	843.9	823.4	854.4	980.7	1249.8	1302.9
37.5°	1064.1	1057.0	1062.0	990.5	936.7	906.8	931.4	1059.3	1355.8	1434.2
40°	1174.4	1168.9	1169.6	1101.2	1038.6	1005.1	1024.9	1158.0	1477.3	1590.3
42.5°	1294.3	1290.2	1276.5	1215.9	1145.4	1114.2	1132.5	1271.9	1607.6	1768.1
45°	1428.5	1426.0	1413.2	1343.7	1263.0	1228.0	1252.6	1397.7	1738.7	1935.4
47.5°	1544.5	1546.6	1545.0	1486.4	1402.8	1351.2	1380.6	1529.0	1860.6	2092.6
50°	1600.3	1611.1	1626.8	1608.6	1556.6	1504.2	1509.9	1655.7	1976.8	2240.1
52.5°	1571.2	1591.5	1634.3	1663.5	1683.5	1672.6	1657.3	1781.5	2086.2	2373.2
55°	1462.5	1491.0	1562.1	1632.5	1734.8	1814.3	1834.4	1921.0	2192.9	2490.3
57.5°	1264.4	1310.7	1374.5	1516.9	1689.2	1882.9	2040.9	2114.5	2305.9	2615.4
60°	924.8	986.8	1066.1	1278.1	1529.7	1846.3	2216.6	2411.7	2466.6	2777.5
62.5°	591.9	630.2	703.1	902.7	1191.9	1658.2	2270.4	2783.2	2739.0	3043.2
65°	405.2	429.8	496.6	608.7	770.5	1234.3	2126.4	3061.7	3171.5	3464.4
67.5°	294.5	313.1	370.1	468.3	502.1	730.4	1650.0	3048.9	3592.0	3898.3
70°	214.7	227.9	275.8	370.1	386.3	406.4	999.6	2591.7	3582.9	4013.6
72.5°	159.1	168.2	200.3	287.2	312.7	274.4	494.8	1883.6	3078.8	3630.3
75°	115.1	121.9	145.6	219.7	250.2	209.0	246.8	1100.8	2147.5	2553.7
77.5°	88.0	93.2	108.7	160.9	200.3	156.8	153.2	506.4	1018.3	1023.3
80°	70.7	74.1	82.5	113.3	153.6	117.4	99.8	204.4	321.8	272.3
82.5°	52.0	57.7	69.7	79.5	109.9	80.9	60.9	103.2	122.4	105.3
85°	29.6	33.5	42.2	57.0	70.2	49.5	34.9	45.8	57.0	46.7
87.5°	10.5	13.7	14.8	22.3	30.5	20.5	13.4	13.2	18.7	13.9
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°
629.7	0°	629.7	629.7	629.7	629.7	629.7	629.7	629.7	629.7	629.7	629.7
636.5	2.5°	634.3	633.1	628.6	622.4	616.0	609.9	607.8	603.5	600.5	598.9
651.4	5°	647.0	643.4	632.7	619.0	604.6	589.1	578.2	568.2	560.9	554.0
671.6	7.5°	665.3	658.9	640.4	616.5	591.0	565.2	546.1	531.5	521.7	515.3
695.3	10°	686.4	676.6	648.4	612.6	573.2	536.3	513.7	501.2	495.0	491.6
722.5	12.5°	710.8	696.9	656.6	603.7	546.1	503.9	488.4	484.8	485.0	485.2
756.6	15°	740.9	721.5	663.2	584.3	510.7	479.1	476.3	482.2	488.4	491.4
795.4	17.5°	774.9	747.5	664.3	552.4	476.1	463.1	471.8	484.5	493.9	498.0
838.7	20°	811.3	774.0	656.1	507.3	447.6	450.1	465.6	482.0	492.3	497.5
888.1	22.5°	853.0	802.2	636.5	459.9	424.4	436.0	454.2	470.2	480.9	486.1
946.3	25°	900.7	833.9	605.8	420.0	404.3	420.0	438.3	451.5	460.1	464.9
1011.2	27.5°	953.6	866.9	564.7	388.3	386.8	403.6	418.7	428.9	433.5	437.1
1080.3	30°	1006.7	897.0	515.1	364.4	371.5	387.4	398.1	402.7	404.1	404.8
1157.3	32.5°	1064.1	923.0	462.9	344.6	356.9	371.7	378.1	380.1	373.8	369.4
1250.7	35°	1133.6	950.8	411.8	328.9	342.5	355.3	357.4	355.5	348.0	339.1
1367.9	37.5°	1219.5	985.5	371.0	317.7	329.1	337.5	335.0	334.6	335.2	324.8
1508.7	40°	1324.8	1030.6	341.2	309.0	318.2	320.0	312.9	316.8	320.2	304.3
1663.2	42.5°	1441.7	1085.1	322.3	303.1	309.0	304.7	293.8	298.1	297.6	276.7
1818.5	45°	1560.9	1144.3	315.6	298.8	300.6	291.9	279.9	281.0	271.4	252.5
1967.3	47.5°	1679.4	1207.9	319.8	295.1	290.1	280.3	271.0	266.0	251.8	237.7
2109.9	50°	1795.7	1274.7	334.8	287.8	275.8	270.1	263.2	254.3	239.3	227.2
2244.9	52.5°	1903.5	1341.9	351.7	275.8	257.8	261.2	256.8	246.6	231.8	219.5
2372.5	55°	2005.6	1409.1	358.3	259.1	240.9	253.4	250.9	232.0	214.2	204.2
2506.0	57.5°	2116.8	1490.0	351.0	237.9	227.2	244.5	235.0	214.0	203.7	196.2
2679.9	60°	2270.8	1617.0	335.2	211.7	214.2	231.3	214.9	206.3	195.1	186.7
2940.7	62.5°	2526.8	1853.8	310.0	185.7	199.0	211.7	205.3	196.7	185.3	177.1
3386.4	65°	2905.1	2182.9	262.3	165.5	181.9	192.6	195.1	186.4	174.6	165.9
3777.1	67.5°	3224.2	2389.4	198.5	148.6	164.3	177.1	184.1	175.7	163.2	154.7
3868.5	70°	3206.6	2239.4	151.6	132.0	148.8	161.8	170.9	164.3	150.9	142.9
3513.8	72.5°	2848.1	1873.4	122.6	115.1	133.1	145.9	156.8	151.8	138.1	130.4
2574.2	75°	2092.4	1329.8	98.0	98.0	113.5	129.2	141.3	138.1	125.6	120.1
1080.7	77.5°	882.0	557.9	76.8	81.4	94.4	111.0	126.0	127.2	116.2	123.1
285.8	80°	234.5	153.8	58.6	64.0	74.1	91.6	109.6	109.2	97.3	90.9
106.2	82.5°	89.3	60.6	41.7	45.1	53.6	70.2	86.8	89.6	77.7	67.2
41.7	85°	34.4	26.0	25.8	27.1	31.2	46.5	65.6	67.9	58.6	49.7
11.6	87.5°	8.9	7.7	9.6	9.1	14.4	24.8	37.6	39.0	35.8	20.7
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°
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629.7
600.8
556.8
516.7
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498.9
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406.4
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203.3
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