

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: P845955

Luminaire Tested: **GLAN-SB1B-835-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845955
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-SB1B-835-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH
HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3406 lumens
Efficiency: N/A
Efficacy: 85.6 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

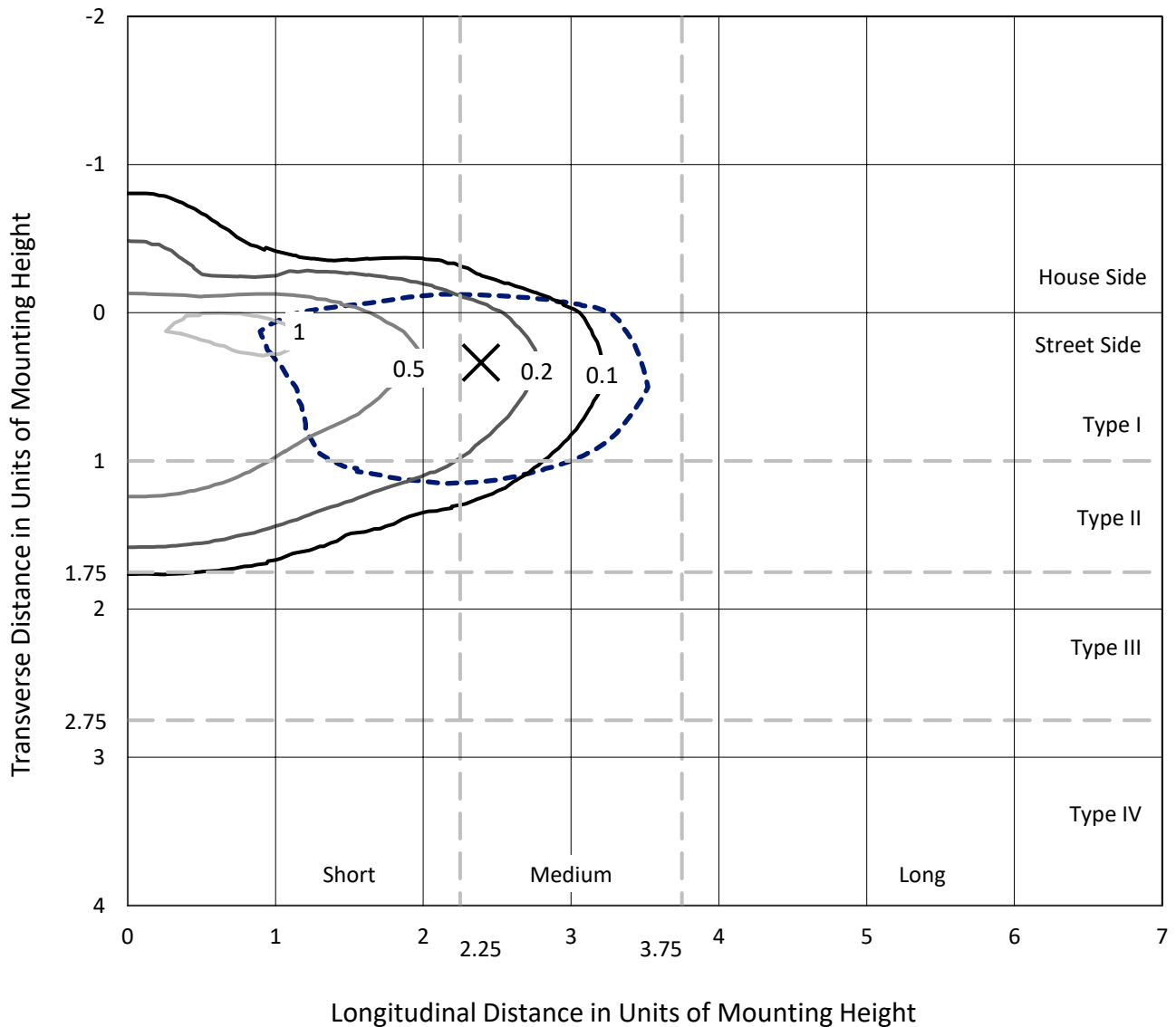
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

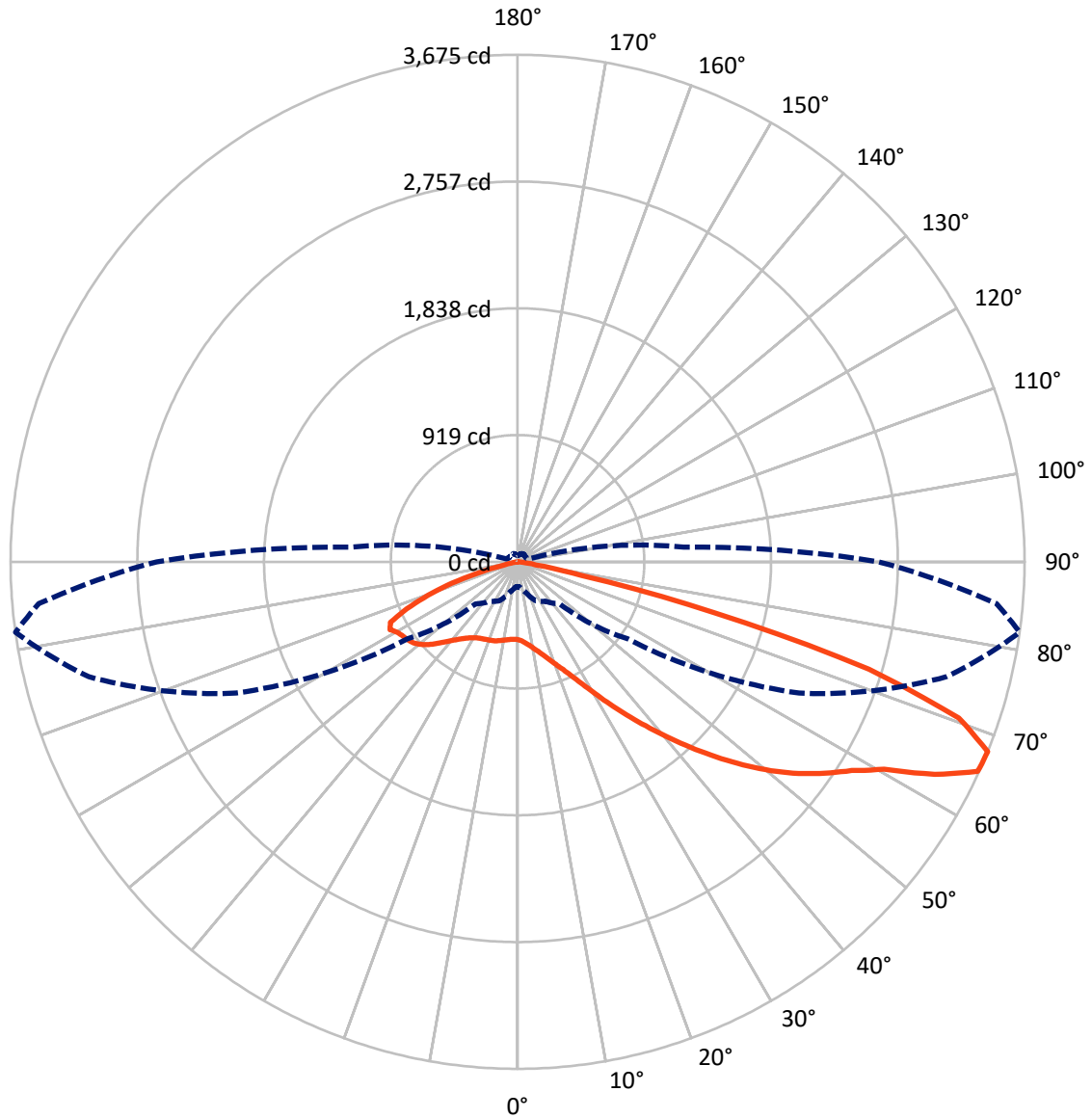
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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	617.0	0.0	617.0
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	2789.0	0.0	2789.0
	% Fixture	81.9	0.0	81.9
Total	Lumens	3406.0	0.0	3406.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.3	1.5
10°-20°	130.6	3.8
20°-30°	209.2	6.1
30°-40°	370.0	10.9
40°-50°	648.3	19.0
50°-60°	864.6	25.4
60°-70°	804.9	23.6
70°-80°	308.9	9.1
80°-90°	19.2	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°	3406.0	100.0
0°-180°	3406.0	100.0

Coefficient of Utilization

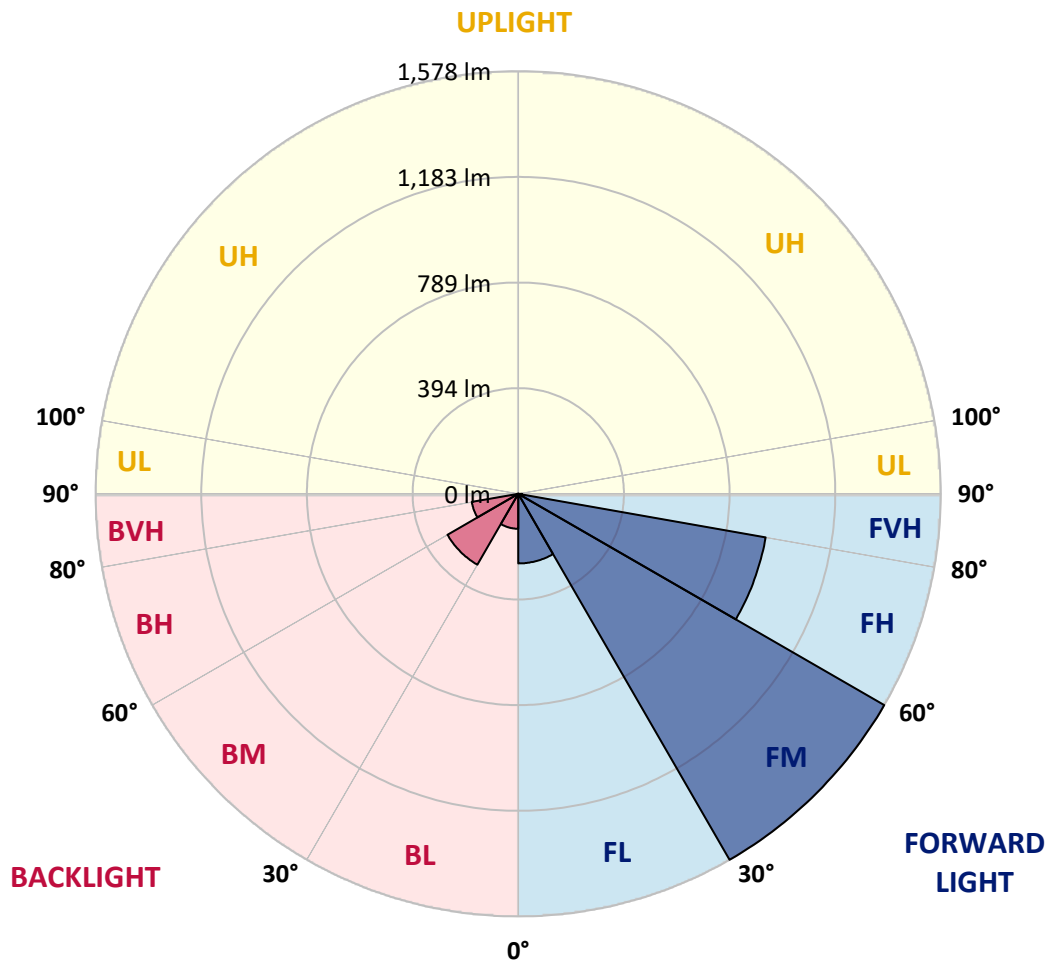


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	259.8	7.6			
FM (30°-60°)	1577.5	46.3			
FH (60°-80°)	937.7	27.5			G1/1800
FVH (80°-90°)	13.9	0.4			G1/100
BL (0°-30°)	130.3	3.8	B1/500		
BM (30°-60°)	305.3	9.0	B1/1000		
BH (60°-80°)	176.1	5.2	B1/500		G1/500
BVH (80°-90°)	5.2	0.2			G0/10
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°	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3
2.5°	596.4	599.8	597.9	596.9	595.2	592.7	590.7	584.6	578.2	574.1
5°	608.4	611.8	611.6	612.6	613.8	614.5	614.0	607.2	598.1	591.0
7.5°	598.1	602.0	605.2	610.1	618.7	627.8	632.2	630.7	621.4	611.6
10°	568.9	573.1	580.7	592.2	610.4	630.0	646.4	654.0	648.1	637.3
12.5°	515.5	519.6	534.6	559.6	590.0	624.1	655.5	675.8	677.3	666.5
15°	455.4	459.5	475.5	506.9	553.2	607.9	660.4	698.9	711.9	702.6
17.5°	418.1	421.8	433.8	459.1	507.4	575.5	658.7	723.4	753.1	745.7
20°	406.8	410.0	415.7	433.3	473.5	541.9	647.4	746.5	797.5	793.3
22.5°	418.8	421.8	423.5	431.3	456.6	519.9	633.2	770.0	849.0	849.5
25°	446.6	449.5	447.5	452.4	463.5	513.0	627.8	797.7	913.7	919.1
27.5°	492.2	492.4	487.7	487.5	489.2	523.3	633.4	827.4	995.4	1005.4
30°	583.6	580.0	562.1	542.7	533.9	554.2	649.1	862.5	1091.7	1109.6
32.5°	724.6	719.2	686.4	640.0	593.4	604.0	677.3	902.4	1196.7	1229.1
35°	877.7	876.2	841.9	772.9	691.5	674.9	723.2	954.9	1311.2	1362.7
37.5°	1019.9	1019.1	999.5	918.4	819.3	773.7	796.7	1023.6	1433.8	1508.4
40°	1149.9	1152.1	1132.4	1059.9	960.0	900.5	896.8	1108.4	1570.2	1667.0
42.5°	1262.2	1264.6	1244.8	1191.0	1099.1	1040.7	1019.6	1212.4	1703.3	1837.5
45°	1338.4	1353.6	1350.7	1307.8	1241.8	1181.2	1167.3	1342.8	1855.1	2018.2
47.5°	1360.0	1374.0	1396.1	1401.9	1361.7	1302.1	1318.8	1500.0	2008.6	2199.2
50°	1306.8	1319.8	1365.6	1426.7	1454.7	1436.3	1466.2	1668.5	2165.8	2379.6
52.5°	1201.8	1215.1	1273.0	1369.6	1483.6	1541.5	1614.1	1834.5	2318.1	2550.6
55°	1050.0	1064.0	1138.3	1247.7	1428.4	1584.9	1737.4	2000.3	2457.6	2704.3
57.5°	843.6	853.9	931.1	1084.1	1289.6	1541.7	1828.4	2181.3	2589.1	2855.4
60°	549.8	558.9	648.6	819.3	1059.6	1397.5	1846.5	2383.1	2763.7	3051.8
62.5°	365.6	371.8	425.0	550.3	746.2	1120.7	1740.4	2544.2	3019.7	3393.6
65°	250.9	257.0	310.2	397.5	482.1	741.3	1435.0	2522.9	3251.7	3665.1
67.5°	179.0	184.2	229.3	311.7	349.0	430.6	972.8	2250.2	3218.3	3675.4
70°	128.3	131.2	168.5	242.8	277.3	258.7	541.0	1721.0	2817.9	3393.9
72.5°	89.8	90.7	117.0	184.9	223.4	188.8	257.5	1147.4	2131.2	2663.9
75°	60.8	62.0	78.7	135.6	179.3	144.2	136.3	615.3	1251.1	1474.5
77.5°	37.3	37.8	50.8	92.7	134.1	109.9	87.8	260.7	484.1	475.2
80°	21.1	21.1	32.4	57.6	91.5	70.9	61.6	110.8	153.3	134.6
82.5°	11.8	12.0	23.5	35.8	60.6	41.9	33.8	51.3	66.2	58.6
85°	4.9	5.4	14.5	16.9	28.9	20.8	13.7	21.6	24.5	21.8
87.5°	0.5	0.7	4.4	3.2	3.4	4.2	2.0	4.2	3.4	3.4
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°
564.3	0°	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3
572.6	2.5°	567.9	564.3	554.9	544.2	529.9	523.1	513.7	507.4	502.0	502.5
586.8	5°	579.0	569.7	548.8	522.8	490.4	467.4	442.9	426.0	412.2	409.3
606.4	7.5°	594.2	579.5	542.9	496.1	441.4	400.0	362.9	339.1	322.2	316.8
630.2	10°	613.8	592.5	535.3	462.5	383.8	331.1	291.3	272.7	261.2	257.2
658.2	12.5°	636.6	607.4	525.3	421.5	324.4	273.7	248.4	239.1	235.4	234.2
692.5	15°	665.3	626.1	510.1	373.0	274.2	238.6	227.8	226.6	227.1	226.6
733.7	17.5°	699.4	646.4	485.3	323.0	240.3	220.7	216.8	217.8	219.0	218.7
779.8	20°	736.7	666.5	453.7	278.6	217.3	207.9	205.7	206.7	207.7	207.2
833.0	22.5°	779.1	688.1	418.6	244.0	201.8	196.2	193.7	194.0	194.0	193.0
900.5	25°	829.8	711.9	381.8	219.5	190.0	185.6	182.7	181.7	180.2	177.3
982.4	27.5°	890.4	737.1	346.5	202.3	180.7	176.6	173.1	170.7	167.0	162.1
1080.7	30°	958.6	767.8	316.6	191.5	173.4	169.2	165.3	161.6	156.2	150.1
1193.7	32.5°	1038.8	800.7	294.8	184.4	166.8	162.3	157.7	153.3	147.4	141.2
1320.8	35°	1134.4	840.4	282.0	179.5	161.6	155.7	150.6	145.7	141.2	135.9
1458.8	37.5°	1238.1	882.6	278.1	177.1	158.2	149.1	143.2	139.8	139.3	136.1
1608.2	40°	1351.7	932.6	281.0	175.6	154.5	142.7	136.3	135.6	136.8	131.2
1767.8	42.5°	1471.8	991.9	285.9	173.9	149.3	136.3	130.2	130.2	129.2	121.4
1936.5	45°	1601.8	1060.3	290.8	169.7	143.2	130.0	125.3	123.6	119.4	111.8
2106.2	47.5°	1732.7	1130.0	294.5	162.1	135.9	124.6	120.4	116.5	110.4	103.5
2272.7	50°	1857.1	1192.5	290.6	150.8	127.5	119.4	115.0	109.6	103.0	98.3
2430.4	52.5°	1968.2	1246.7	273.9	137.6	118.7	114.0	110.1	104.5	99.1	94.2
2572.6	55°	2064.8	1290.6	244.5	125.1	110.8	109.4	105.4	98.3	91.0	86.8
2713.6	57.5°	2157.5	1324.0	207.7	114.8	103.7	104.2	98.3	92.0	85.1	80.7
2903.7	60°	2280.8	1368.6	170.4	105.2	96.1	97.6	91.2	86.6	78.0	72.3
3229.6	62.5°	2478.0	1438.0	135.4	93.4	87.3	87.8	85.1	79.5	69.2	62.5
3471.1	65°	2634.4	1412.5	106.7	80.7	77.2	78.0	78.0	71.9	60.8	53.2
3484.1	67.5°	2616.8	1209.4	85.1	68.2	67.7	68.2	69.9	64.7	53.9	47.8
3218.8	70°	2410.5	962.0	68.2	56.6	58.9	57.6	62.5	59.1	48.6	42.4
2495.4	72.5°	1966.9	693.0	52.0	46.8	45.1	47.1	56.4	53.2	40.5	33.6
1321.8	75°	1149.4	369.8	38.7	37.0	32.6	39.2	50.0	45.4	30.9	24.8
405.1	77.5°	374.2	129.0	28.4	27.2	24.3	31.6	42.7	38.3	25.3	19.6
118.7	80°	100.3	39.0	19.4	17.9	15.7	23.5	33.8	30.4	18.1	12.8
51.0	82.5°	40.2	16.4	11.3	10.1	8.6	16.2	26.7	24.5	13.5	8.1
15.9	85°	13.0	5.4	4.2	3.2	3.9	10.1	15.9	16.7	9.6	4.2
2.5	87.5°	1.7	0.7	0.7	1.0	0.7	1.7	4.9	4.7	2.7	0.5
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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564.3
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