

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: P845965

Luminaire Tested: **GLAN-SB1B-840-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845965
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-840-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 4000K, 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: 3658 lumens
Efficiency: N/A
Efficacy: 91.9 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

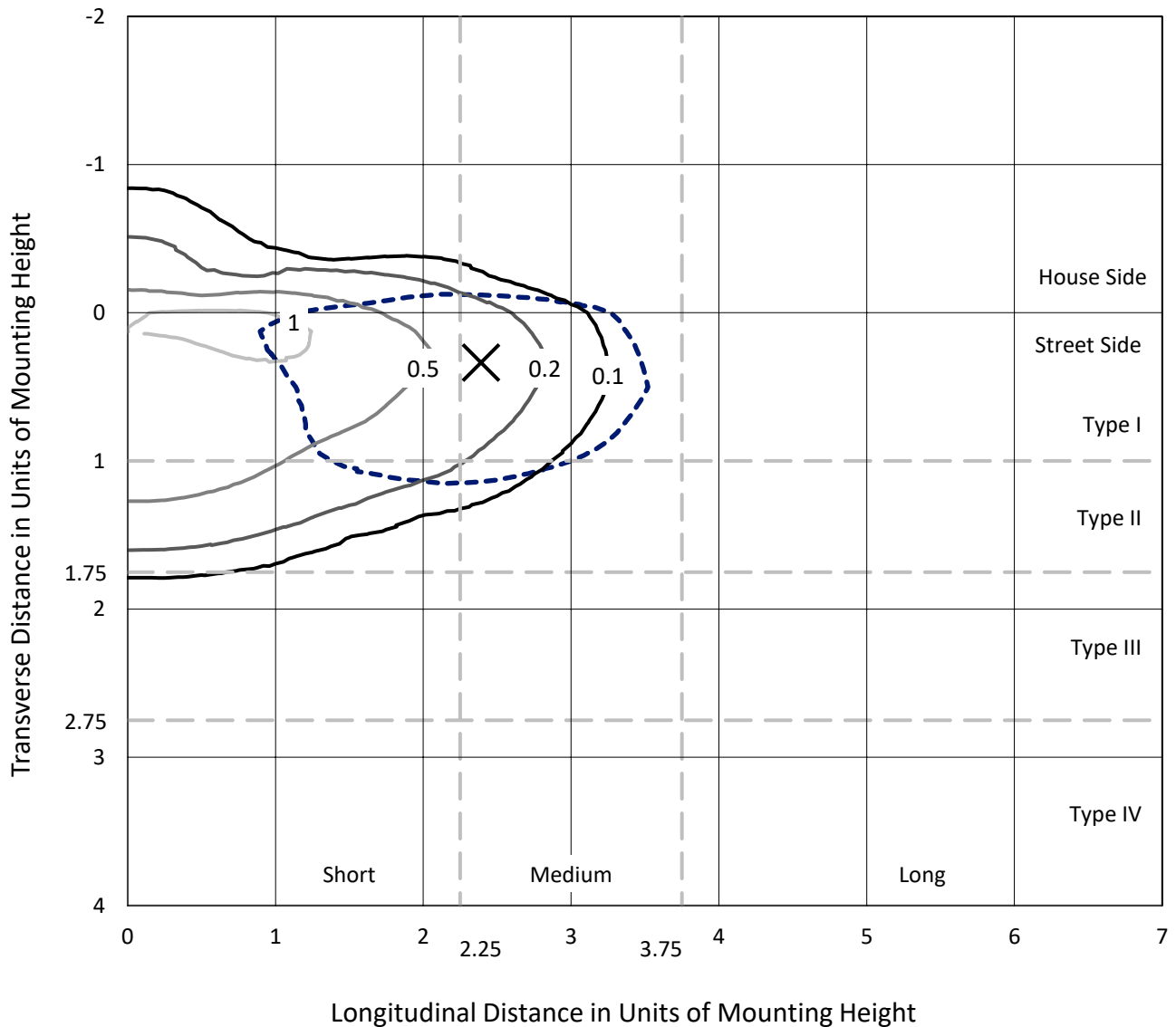
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

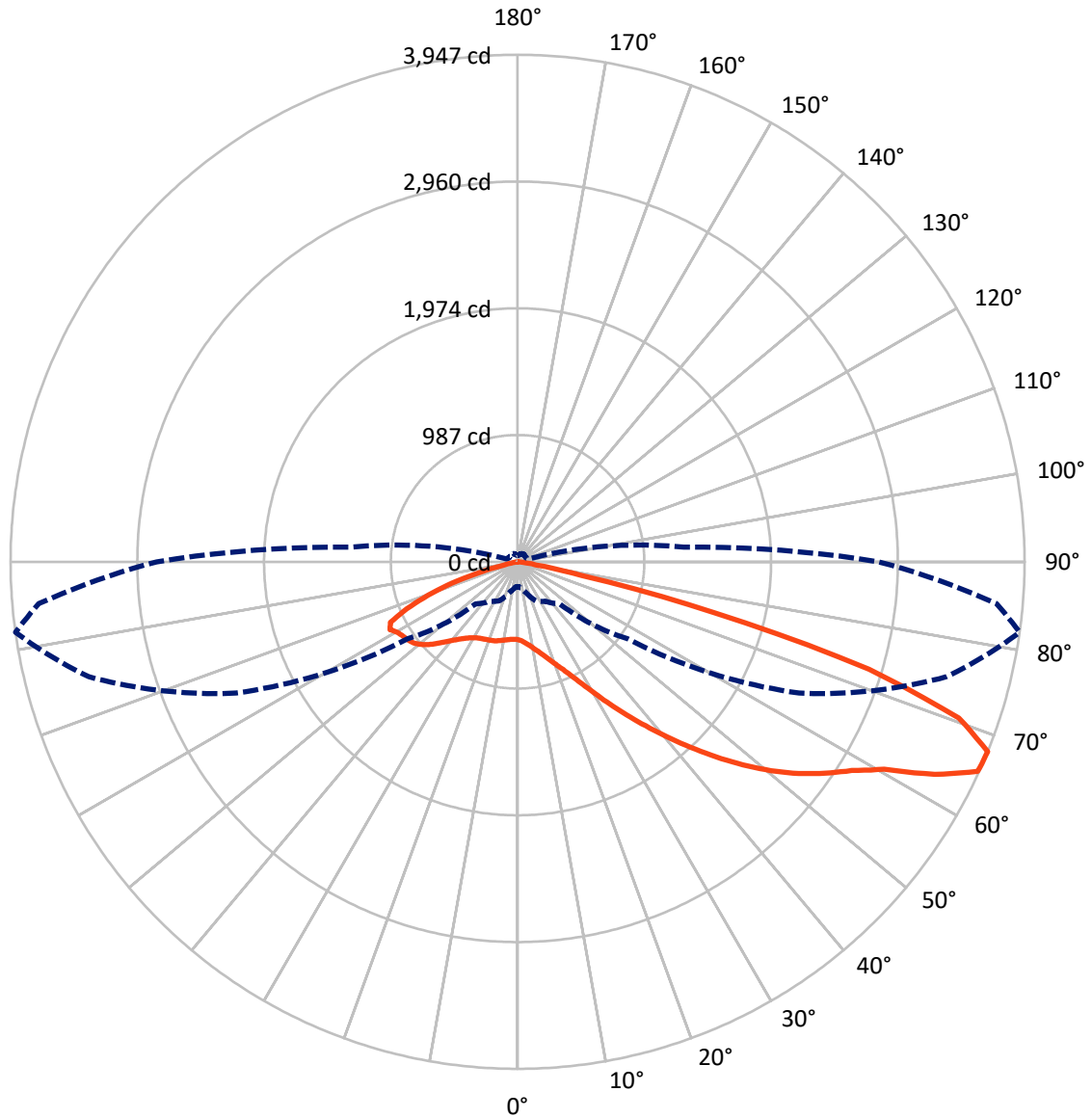
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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	662.6	0.0	662.6
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	2995.4	0.0	2995.4
	% Fixture	81.9	0.0	81.9
Total	Lumens	3658.0	0.0	3658.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.0	1.5
10°-20°	140.3	3.8
20°-30°	224.7	6.1
30°-40°	397.4	10.9
40°-50°	696.2	19.0
50°-60°	928.6	25.4
60°-70°	864.5	23.6
70°-80°	331.8	9.1
80°-90°	20.6	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°	3658.0	100.0
0°-180°	3658.0	100.0

Coefficient of Utilization

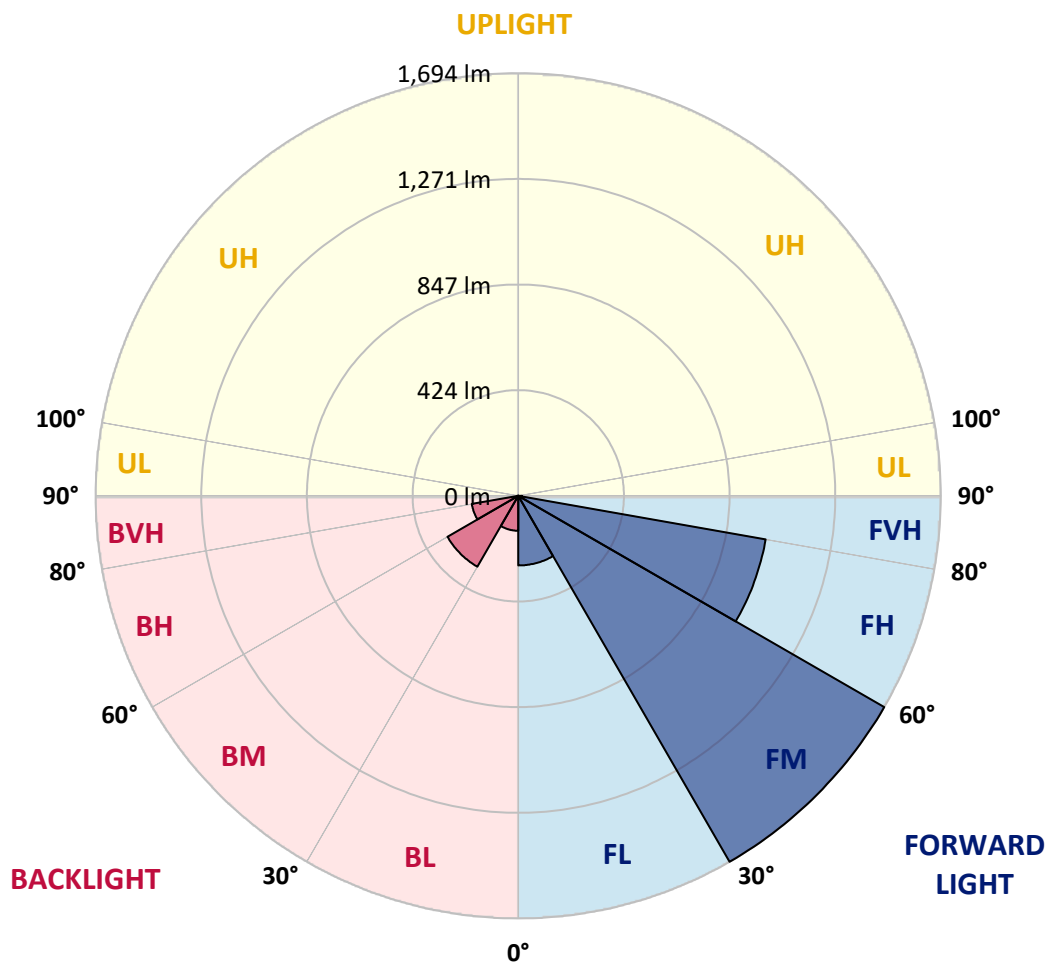


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	279.1	7.6			
FM (30°-60°)	1694.2	46.3			
FH (60°-80°)	1007.1	27.5			G1/1800
FVH (80°-90°)	15.0	0.4			G1/100
BL (0°-30°)	139.9	3.8	B1/500		
BM (30°-60°)	327.9	9.0	B1/1000		
BH (60°-80°)	189.1	5.2	B1/500		G1/500
BVH (80°-90°)	5.6	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°	606.0	606.0	606.0	606.0	606.0	606.0	606.0	606.0	606.0	606.0
2.5°	640.5	644.2	642.1	641.0	639.2	636.6	634.5	627.9	621.0	616.5
5°	653.4	657.1	656.8	657.9	659.2	660.0	659.5	652.1	642.4	634.7
7.5°	642.4	646.6	650.0	655.3	664.5	674.2	679.0	677.4	667.4	656.8
10°	611.0	615.5	623.7	636.0	655.5	676.6	694.2	702.4	696.1	684.5
12.5°	553.6	558.1	574.1	601.0	633.7	670.3	704.0	725.8	727.4	715.8
15°	489.1	493.5	510.7	544.4	594.2	652.9	709.2	750.6	764.6	754.5
17.5°	449.0	453.0	465.9	493.0	544.9	618.1	707.4	776.9	808.8	800.9
20°	436.9	440.3	446.4	465.4	508.6	582.0	695.3	801.7	856.5	852.0
22.5°	449.8	453.0	454.8	463.3	490.4	558.3	680.0	827.0	911.8	912.3
25°	479.6	482.8	480.6	485.9	497.8	551.0	674.2	856.7	981.3	987.1
27.5°	528.6	528.8	523.8	523.6	525.4	562.0	680.3	888.6	1069.0	1079.8
30°	626.8	622.9	603.6	582.8	573.3	595.2	697.1	926.3	1172.5	1191.7
32.5°	778.2	772.5	737.2	687.4	637.3	648.7	727.4	969.2	1285.2	1320.0
35°	942.6	941.0	904.1	830.1	742.7	724.8	776.7	1025.5	1408.2	1463.5
37.5°	1095.3	1094.6	1073.5	986.3	879.9	830.9	855.7	1099.3	1539.9	1620.0
40°	1234.9	1237.3	1216.2	1138.3	1031.1	967.1	963.1	1190.4	1686.3	1790.4
42.5°	1355.5	1358.2	1336.8	1279.2	1180.4	1117.7	1095.1	1302.1	1829.3	1973.4
45°	1437.5	1453.8	1450.6	1404.5	1333.7	1268.6	1253.6	1442.2	1992.4	2167.5
47.5°	1460.6	1475.6	1499.3	1505.7	1462.5	1398.5	1416.4	1611.0	2157.2	2361.9
50°	1403.5	1417.4	1466.7	1532.3	1562.3	1542.5	1574.7	1791.9	2326.1	2555.7
52.5°	1290.8	1305.0	1367.1	1470.9	1593.4	1655.5	1733.5	1970.2	2489.6	2739.3
55°	1127.7	1142.7	1222.5	1340.0	1534.1	1702.1	1866.0	2148.3	2639.5	2904.4
57.5°	906.0	917.0	1000.0	1164.3	1385.0	1655.8	1963.7	2342.6	2780.6	3066.6
60°	590.5	600.2	696.6	879.9	1138.0	1500.9	1983.2	2559.4	2968.1	3277.6
62.5°	392.7	399.3	456.4	591.0	801.4	1203.6	1869.1	2732.4	3243.1	3644.7
65°	269.4	276.0	333.2	426.9	517.8	796.2	1541.2	2709.5	3492.2	3936.3
67.5°	192.3	197.8	246.2	334.7	374.8	462.5	1044.8	2416.7	3456.4	3947.3
70°	137.7	140.9	180.9	260.7	297.9	277.9	581.0	1848.3	3026.3	3645.0
72.5°	96.4	97.4	125.6	198.6	239.9	202.8	276.5	1232.3	2288.9	2861.0
75°	65.3	66.6	84.5	145.6	192.5	154.9	146.4	660.8	1343.7	1583.6
77.5°	40.0	40.6	54.5	99.6	144.1	118.0	94.3	280.0	519.9	510.4
80°	22.6	22.6	34.8	61.9	98.2	76.1	66.1	119.0	164.6	144.6
82.5°	12.6	12.9	25.3	38.5	65.1	45.0	36.3	55.0	71.1	62.9
85°	5.3	5.8	15.5	18.2	31.1	22.4	14.7	23.2	26.3	23.4
87.5°	0.5	0.8	4.7	3.4	3.7	4.5	2.1	4.5	3.7	3.7
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°
606.0	0°	606.0	606.0	606.0	606.0	606.0	606.0	606.0	606.0	606.0	606.0
615.0	2.5°	610.0	606.0	596.0	584.4	569.1	561.8	551.8	544.9	539.1	539.6
630.2	5°	621.8	611.8	589.4	561.5	526.7	502.0	475.6	457.5	442.7	439.6
651.3	7.5°	638.1	622.3	583.1	532.8	474.1	429.6	389.8	364.2	346.1	340.3
676.9	10°	659.2	636.3	574.9	496.7	412.2	355.5	312.9	292.9	280.5	276.3
706.9	12.5°	683.7	652.4	564.1	452.7	348.4	293.9	266.8	256.8	252.8	251.5
743.7	15°	714.5	672.4	547.8	400.6	294.4	256.3	244.7	243.4	243.9	243.4
788.0	17.5°	751.1	694.2	521.2	346.9	258.1	237.0	232.8	233.9	235.2	234.9
837.5	20°	791.2	715.8	487.2	299.2	233.3	223.3	221.0	222.0	223.1	222.5
894.7	22.5°	836.7	739.0	449.6	262.0	216.8	210.7	208.1	208.3	208.3	207.3
967.1	25°	891.2	764.6	410.1	235.7	204.1	199.4	196.2	195.2	193.6	190.4
1055.0	27.5°	956.3	791.7	372.1	217.3	194.1	189.6	185.9	183.3	179.4	174.1
1160.7	30°	1029.5	824.6	340.0	205.7	186.2	181.7	177.5	173.6	167.8	161.2
1282.1	32.5°	1115.6	859.9	316.6	198.1	179.1	174.3	169.3	164.6	158.3	151.7
1418.5	35°	1218.3	902.6	302.9	192.8	173.6	167.2	161.7	156.4	151.7	145.9
1566.8	37.5°	1329.7	947.9	298.7	190.2	169.9	160.1	153.8	150.1	149.6	146.2
1727.2	40°	1451.7	1001.6	301.8	188.6	165.9	153.3	146.4	145.6	147.0	140.9
1898.6	42.5°	1580.7	1065.3	307.1	186.7	160.4	146.4	139.8	139.8	138.8	130.4
2079.8	45°	1720.3	1138.8	312.4	182.2	153.8	139.6	134.6	132.7	128.3	120.1
2262.1	47.5°	1860.9	1213.6	316.3	174.1	145.9	133.8	129.3	125.1	118.5	111.1
2440.9	50°	1994.5	1280.8	312.1	162.0	137.0	128.3	123.5	117.7	110.6	105.6
2610.2	52.5°	2113.8	1339.0	294.2	147.7	127.5	122.5	118.3	112.2	106.4	101.1
2763.0	55°	2217.5	1386.1	262.6	134.3	119.0	117.5	113.2	105.6	97.7	93.2
2914.4	57.5°	2317.1	1421.9	223.1	123.3	111.4	111.9	105.6	98.8	91.4	86.6
3118.5	60°	2449.6	1469.8	183.0	113.0	103.2	104.8	98.0	93.0	83.8	77.7
3468.5	62.5°	2661.3	1544.4	145.4	100.3	93.8	94.3	91.4	85.3	74.3	67.2
3728.0	65°	2829.3	1517.0	114.6	86.6	83.0	83.8	83.8	77.2	65.3	57.2
3741.9	67.5°	2810.4	1298.9	91.4	73.2	72.7	73.2	75.1	69.5	57.9	51.4
3457.0	70°	2588.9	1033.2	73.2	60.8	63.2	61.9	67.2	63.5	52.1	45.6
2680.0	72.5°	2112.5	744.3	55.8	50.3	48.5	50.6	60.6	57.2	43.5	36.1
1419.5	75°	1234.4	397.2	41.6	39.8	35.0	42.1	53.7	48.7	33.2	26.6
435.1	77.5°	401.9	138.5	30.6	29.2	26.1	34.0	45.8	41.1	27.1	21.1
127.5	80°	107.7	41.9	20.8	19.2	16.9	25.3	36.3	32.7	19.5	13.7
54.8	82.5°	43.2	17.6	12.1	10.8	9.2	17.4	28.7	26.3	14.5	8.7
17.1	85°	14.0	5.8	4.5	3.4	4.2	10.8	17.1	17.9	10.3	4.5
2.6	87.5°	1.8	0.8	0.8	1.1	0.8	1.8	5.3	5.0	2.9	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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606.0
534.4
432.4
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273.1
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243.1
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