

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: P845885

Luminaire Tested: **GLAN-SB1B-730-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845885
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-730-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 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: 3973 lumens
Efficiency: N/A
Efficacy: 99.8 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

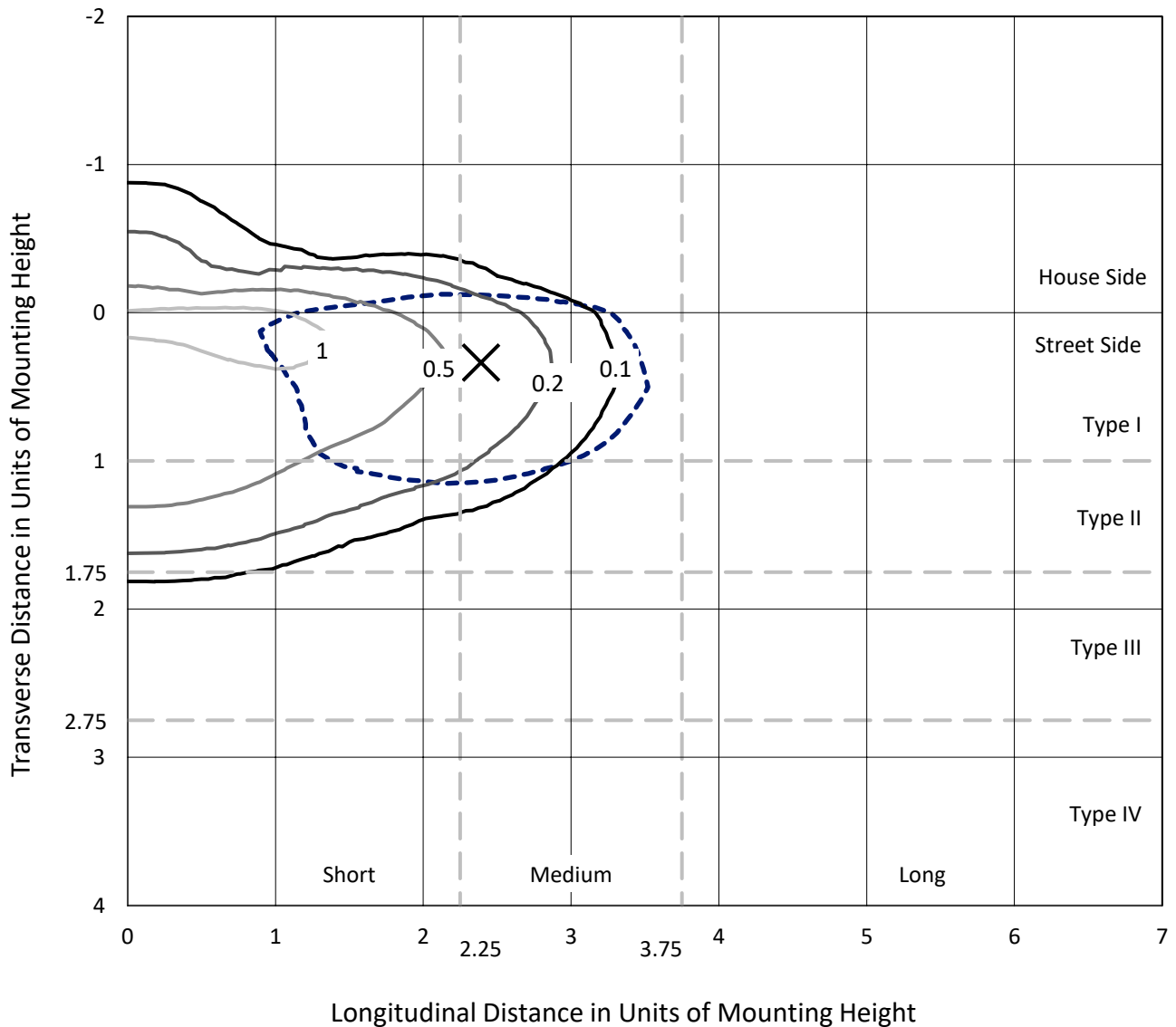
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

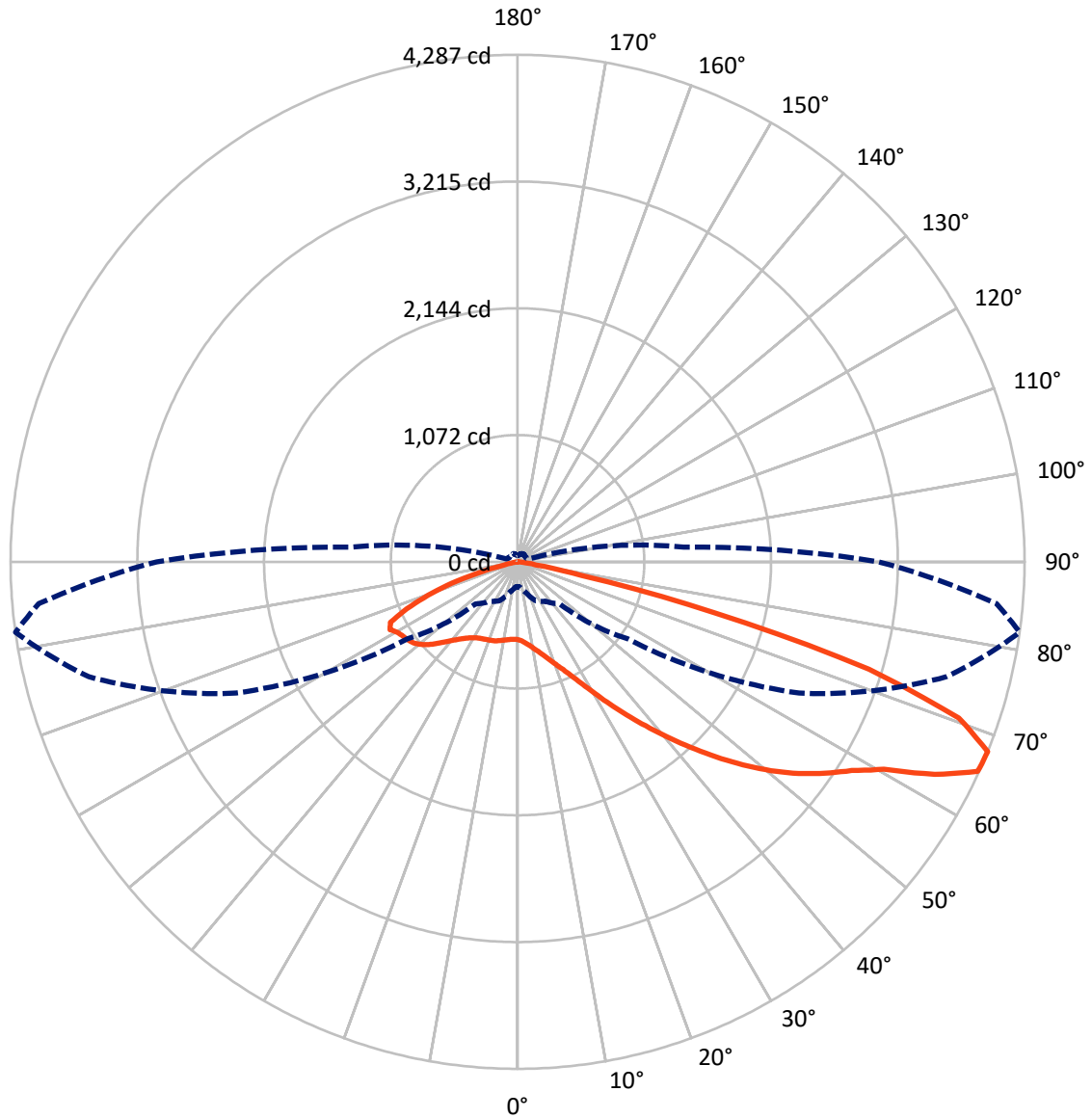
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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	719.7	0.0	719.7
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	3253.3	0.0	3253.3
	% Fixture	81.9	0.0	81.9
Total	Lumens	3973.0	0.0	3973.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.6	1.5
10°-20°	152.4	3.8
20°-30°	244.1	6.1
30°-40°	431.6	10.9
40°-50°	756.2	19.0
50°-60°	1008.5	25.4
60°-70°	938.9	23.6
70°-80°	360.3	9.1
80°-90°	22.4	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°	3973.0	100.0
0°-180°	3973.0	100.0

Coefficient of Utilization

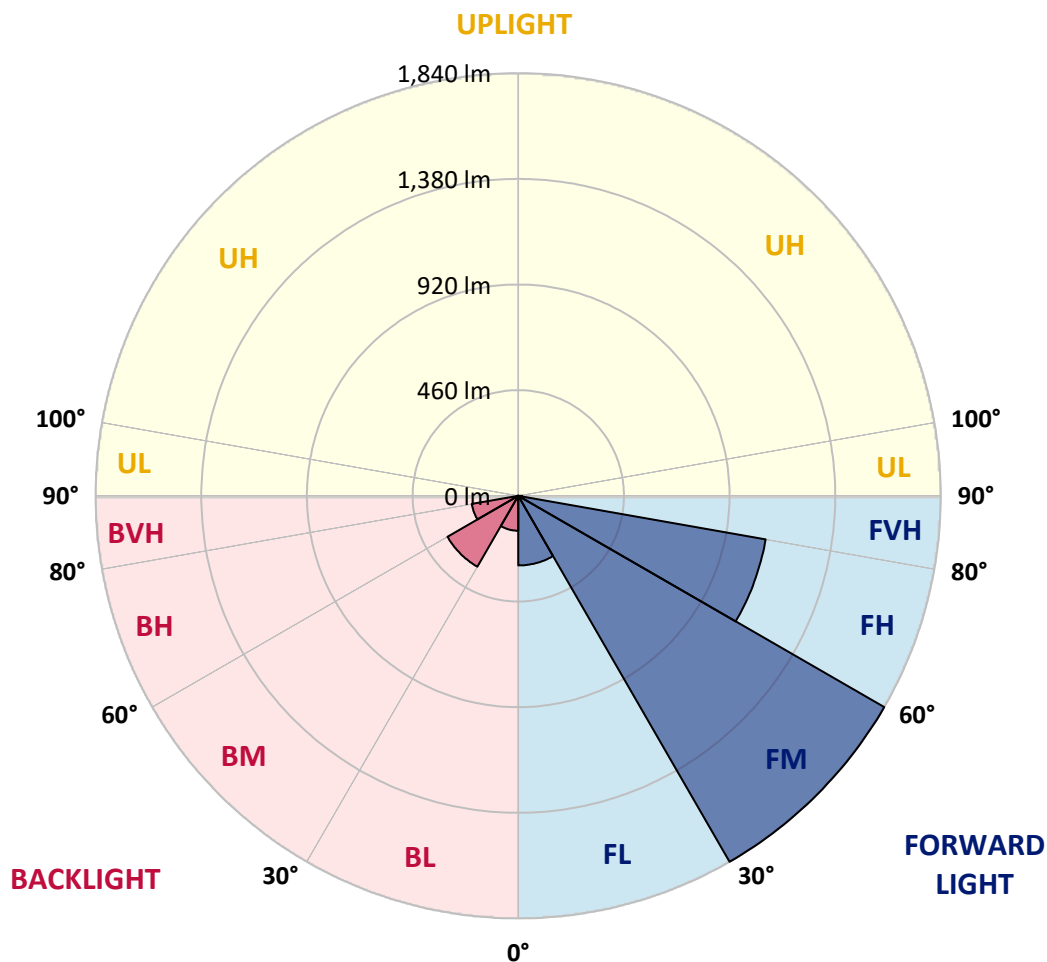


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	303.1	7.6			
FM (30°-60°)	1840.1	46.3			
FH (60°-80°)	1093.8	27.5			G1/1800
FVH (80°-90°)	16.3	0.4			G1/100
BL (0°-30°)	152.0	3.8	B1/500		
BM (30°-60°)	356.2	9.0	B1/1000		
BH (60°-80°)	205.4	5.2	B1/500		G1/500
BVH (80°-90°)	6.1	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°	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2
2.5°	695.7	699.7	697.4	696.2	694.2	691.4	689.1	681.9	674.5	669.6
5°	709.7	713.7	713.4	714.5	716.0	716.8	716.3	708.2	697.7	689.4
7.5°	697.7	702.2	706.0	711.7	721.7	732.3	737.4	735.7	724.8	713.4
10°	663.6	668.5	677.4	690.8	712.0	734.9	754.0	762.9	756.0	743.4
12.5°	601.3	606.1	623.6	652.8	688.2	728.0	764.6	788.3	790.1	777.5
15°	531.2	536.1	554.6	591.3	645.3	709.1	770.3	815.2	830.4	819.5
17.5°	487.7	492.0	506.0	535.5	591.8	671.3	768.3	843.8	878.4	869.9
20°	474.6	478.3	484.8	505.4	552.4	632.2	755.2	870.7	930.2	925.4
22.5°	488.6	492.0	494.0	503.2	532.6	606.4	738.6	898.2	990.3	990.9
25°	520.9	524.3	522.0	527.8	540.6	598.4	732.3	930.5	1065.8	1072.1
27.5°	574.1	574.4	568.9	568.7	570.7	610.4	738.9	965.1	1161.1	1172.8
30°	680.8	676.5	655.6	633.0	622.7	646.5	757.2	1006.0	1273.5	1294.4
32.5°	845.3	839.0	800.6	746.6	692.2	704.5	790.1	1052.6	1395.9	1433.7
35°	1023.8	1022.0	982.0	901.6	806.6	787.2	843.5	1113.9	1529.5	1589.6
37.5°	1189.7	1188.8	1165.9	1071.2	955.7	902.5	929.4	1194.0	1672.5	1759.5
40°	1341.3	1343.8	1321.0	1236.3	1119.9	1050.4	1046.1	1292.9	1831.6	1944.5
42.5°	1472.3	1475.1	1452.0	1389.3	1282.1	1214.0	1189.4	1414.2	1986.9	2143.3
45°	1561.2	1579.0	1575.5	1525.5	1448.5	1377.9	1361.6	1566.4	2163.9	2354.2
47.5°	1586.4	1602.7	1628.5	1635.3	1588.4	1518.9	1538.4	1749.7	2343.0	2565.3
50°	1524.3	1539.5	1593.0	1664.2	1696.8	1675.4	1710.3	1946.3	2526.4	2775.8
52.5°	1401.9	1417.4	1484.9	1597.6	1730.6	1798.1	1882.8	2139.9	2704.0	2975.2
55°	1224.8	1241.2	1327.8	1455.4	1666.2	1848.7	2026.6	2333.3	2866.8	3154.5
57.5°	984.0	996.0	1086.1	1264.6	1504.3	1798.4	2132.8	2544.4	3020.1	3330.7
60°	641.3	651.9	756.6	955.7	1236.0	1630.2	2153.9	2779.8	3223.7	3559.8
62.5°	426.5	433.6	495.7	641.9	870.4	1307.2	2030.1	2967.7	3522.4	3958.6
65°	292.6	299.8	361.8	463.7	562.4	864.7	1673.9	2942.8	3793.0	4275.2
67.5°	208.8	214.8	267.5	363.6	407.0	502.3	1134.7	2624.8	3754.1	4287.3
70°	149.6	153.0	196.5	283.2	323.5	301.8	631.0	2007.5	3287.0	3958.9
72.5°	104.7	105.8	136.4	215.7	260.6	220.3	300.3	1338.4	2486.0	3107.3
75°	70.9	72.4	91.8	158.2	209.1	168.2	159.0	717.7	1459.4	1720.0
77.5°	43.5	44.1	59.2	108.1	156.5	128.1	102.4	304.1	564.7	554.4
80°	24.6	24.6	37.8	67.2	106.7	82.7	71.8	129.3	178.8	157.0
82.5°	13.7	14.0	27.5	41.8	70.7	48.9	39.5	59.8	77.2	68.4
85°	5.7	6.3	16.9	19.7	33.8	24.3	16.0	25.2	28.6	25.5
87.5°	0.6	0.9	5.1	3.7	4.0	4.9	2.3	4.9	4.0	4.0
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°
658.2	0°	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2	658.2
667.9	2.5°	662.5	658.2	647.3	634.7	618.1	610.1	599.3	591.8	585.5	586.1
684.5	5°	675.4	664.5	640.2	609.8	572.1	545.2	516.6	496.9	480.8	477.4
707.4	7.5°	693.1	675.9	633.3	578.7	514.9	466.5	423.3	395.6	375.9	369.6
735.1	10°	716.0	691.1	624.4	539.5	447.7	386.2	339.8	318.1	304.6	300.1
767.7	12.5°	742.6	708.5	612.7	491.7	378.4	319.2	289.8	278.9	274.6	273.2
807.8	15°	776.0	730.3	595.0	435.1	319.8	278.3	265.7	264.3	264.9	264.3
855.8	17.5°	815.8	754.0	566.1	376.7	280.3	257.4	252.9	254.0	255.4	255.2
909.6	20°	859.3	777.5	529.2	324.9	253.4	242.6	240.0	241.1	242.3	241.7
971.7	22.5°	908.8	802.6	488.3	284.6	235.4	228.8	226.0	226.3	226.3	225.1
1050.4	25°	968.0	830.4	445.4	256.0	221.7	216.5	213.1	212.0	210.2	206.8
1145.9	27.5°	1038.6	859.9	404.2	236.0	210.8	206.0	201.9	199.1	194.8	189.1
1260.6	30°	1118.2	895.6	369.3	223.4	202.2	197.4	192.8	188.5	182.2	175.1
1392.5	32.5°	1211.7	933.9	343.8	215.1	194.5	189.4	183.9	178.8	171.9	164.8
1540.6	35°	1323.2	980.3	329.0	209.4	188.5	181.6	175.6	169.9	164.8	158.5
1701.7	37.5°	1444.2	1029.5	324.4	206.5	184.5	173.9	167.1	163.0	162.5	158.8
1875.9	40°	1576.7	1087.8	327.8	204.8	180.2	166.5	159.0	158.2	159.6	153.0
2062.1	42.5°	1716.8	1157.1	333.5	202.8	174.2	159.0	151.9	151.9	150.7	141.6
2258.9	45°	1868.5	1236.9	339.3	197.9	167.1	151.6	146.2	144.2	139.3	130.4
2456.8	47.5°	2021.2	1318.1	343.5	189.1	158.5	145.3	140.4	135.9	128.7	120.7
2651.1	50°	2166.2	1391.0	339.0	175.9	148.7	139.3	134.2	127.9	120.1	114.7
2835.0	52.5°	2295.8	1454.3	319.5	160.5	138.4	133.0	128.4	121.9	115.6	109.8
3000.9	55°	2408.5	1505.5	285.2	145.9	129.3	127.6	123.0	114.7	106.1	101.3
3165.4	57.5°	2516.6	1544.4	242.3	133.9	121.0	121.6	114.7	107.3	99.3	94.1
3387.1	60°	2660.5	1596.4	198.8	122.7	112.1	113.8	106.4	101.0	91.0	84.4
3767.2	62.5°	2890.5	1677.4	157.9	109.0	101.8	102.4	99.3	92.7	80.7	72.9
4049.0	65°	3073.0	1647.6	124.4	94.1	90.1	91.0	91.0	83.8	70.9	62.1
4064.1	67.5°	3052.4	1410.8	99.3	79.5	78.9	79.5	81.5	75.5	62.9	55.8
3754.6	70°	2811.8	1122.2	79.5	66.1	68.7	67.2	72.9	68.9	56.6	49.5
2910.8	72.5°	2294.4	808.4	60.6	54.6	52.6	54.9	65.8	62.1	47.2	39.2
1541.8	75°	1340.7	431.4	45.2	43.2	38.0	45.8	58.4	52.9	36.0	28.9
472.5	77.5°	436.5	150.5	33.2	31.8	28.3	36.9	49.8	44.6	29.5	22.9
138.4	80°	117.0	45.5	22.6	20.9	18.3	27.5	39.5	35.5	21.2	14.9
59.5	82.5°	46.9	19.2	13.2	11.7	10.0	18.9	31.2	28.6	15.7	9.4
18.6	85°	15.2	6.3	4.9	3.7	4.6	11.7	18.6	19.5	11.2	4.9
2.9	87.5°	2.0	0.9	0.9	1.1	0.9	2.0	5.7	5.4	3.1	0.6
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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658.2
580.4
469.7
363.3
296.6
272.3
264.0
254.6
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224.5
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174.5
165.0
157.9
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153.3
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100.7
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