

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: P846045

Luminaire Tested: **GLAN-SB1C-727-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846045
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-SB1C-727-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH
HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4865 lumens
Efficiency: N/A
Efficacy: 89.4 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

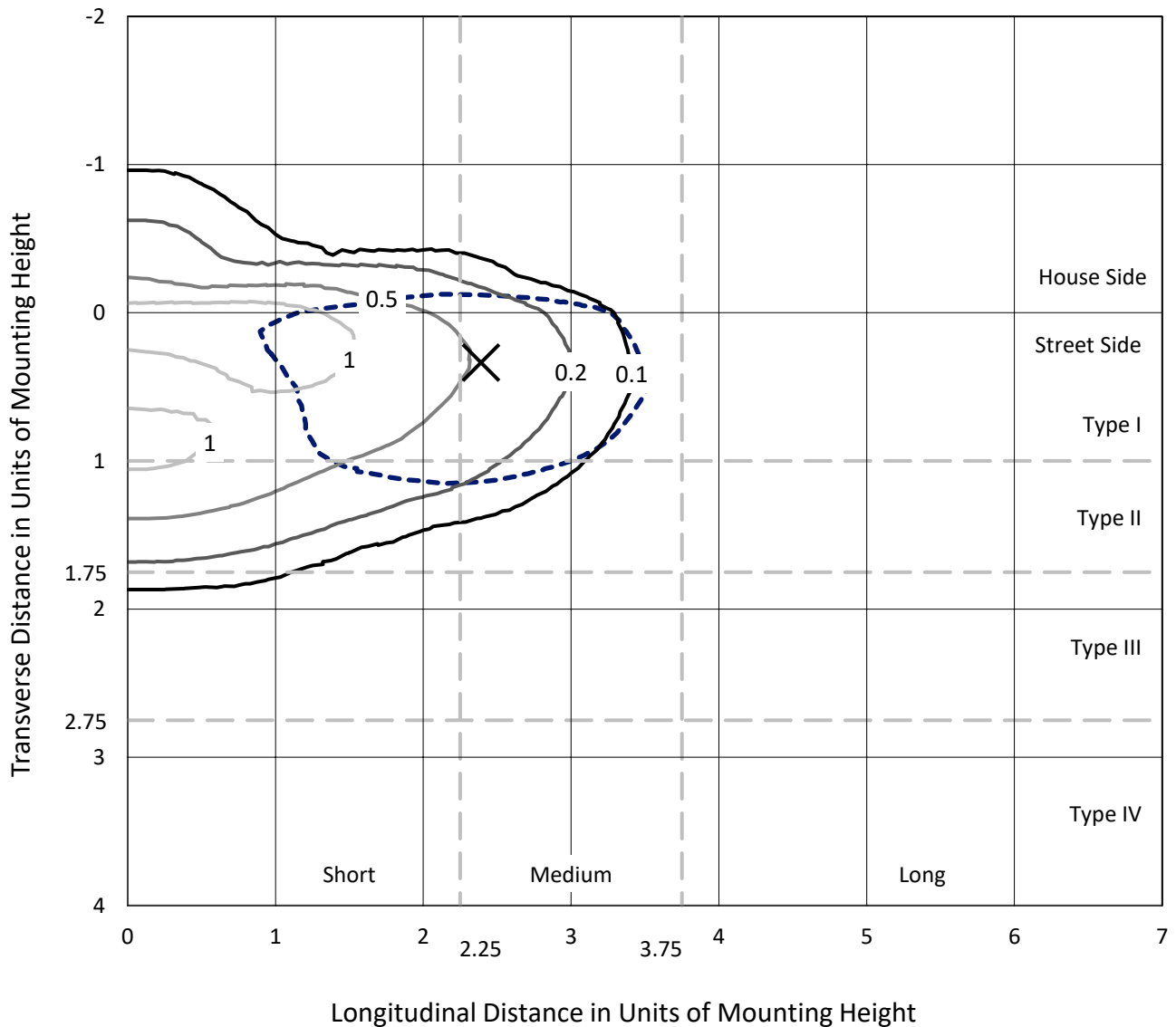
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

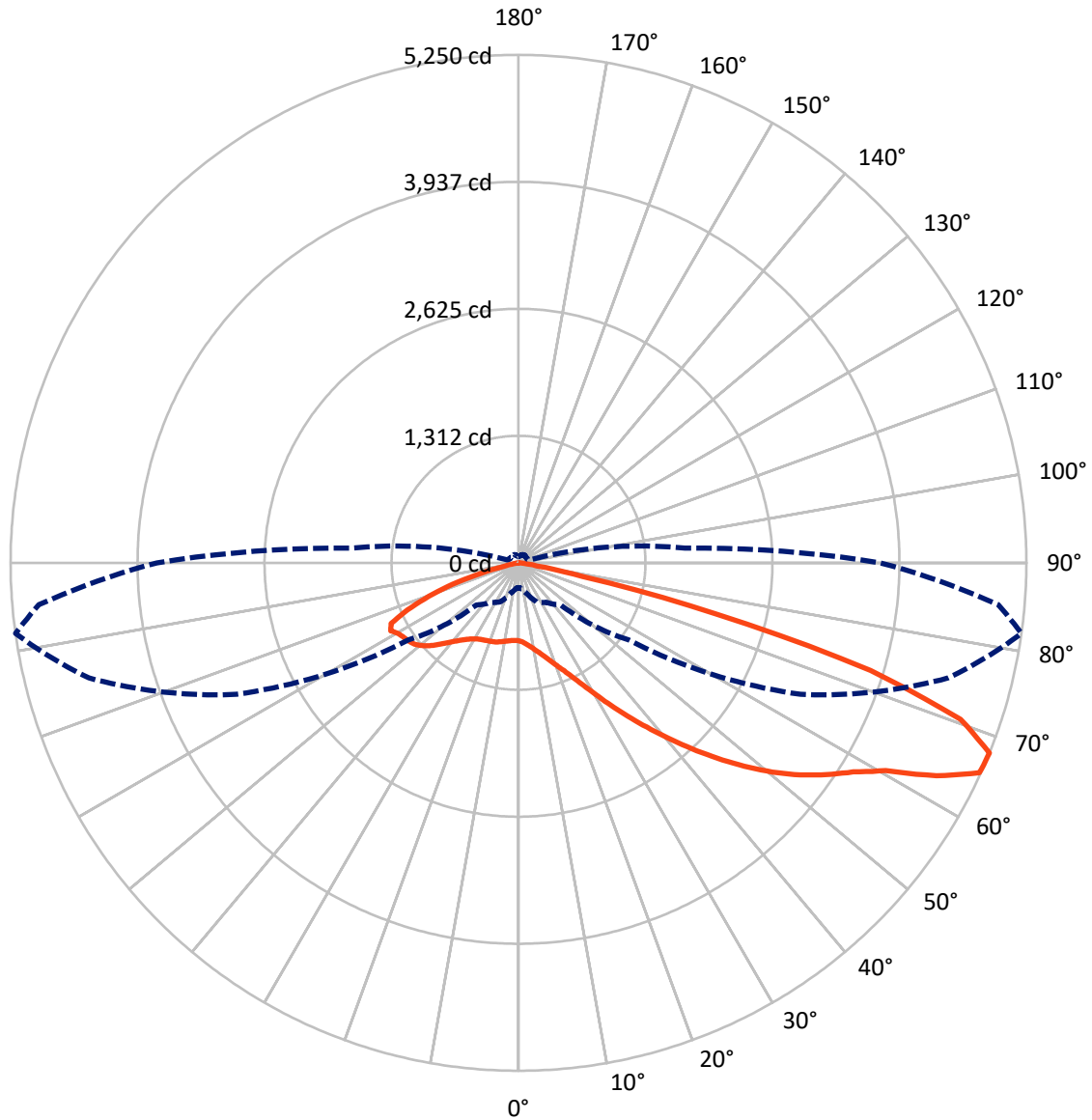
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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	881.3	0.0	881.3
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	3983.7	0.0	3983.7
	% Fixture	81.9	0.0	81.9
Total	Lumens	4865.0	0.0	4865.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.8	1.5
10°-20°	186.6	3.8
20°-30°	298.9	6.1
30°-40°	528.5	10.9
40°-50°	926.0	19.0
50°-60°	1235.0	25.4
60°-70°	1149.7	23.6
70°-80°	441.2	9.1
80°-90°	27.4	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°	4865.0	100.0
0°-180°	4865.0	100.0

Coefficient of Utilization

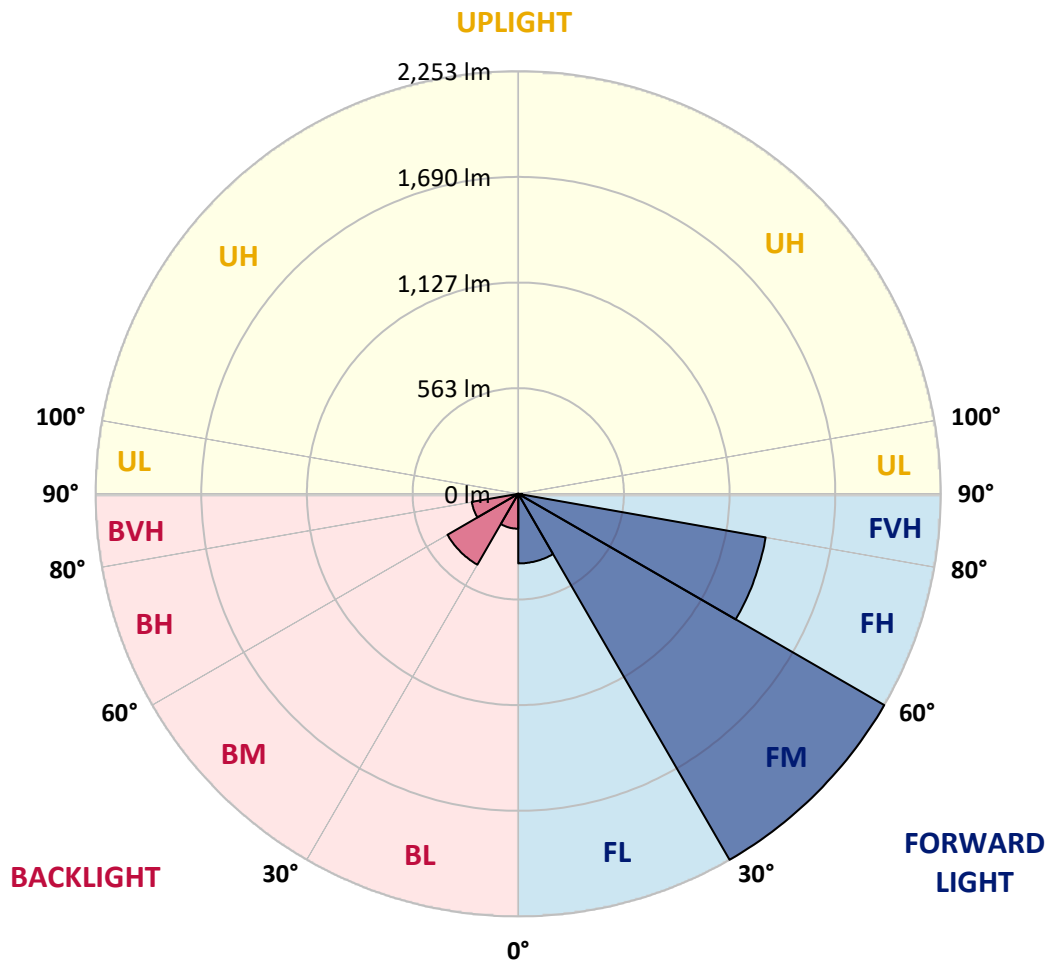


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	371.1	7.6			
FM (30°-60°)	2253.3	46.3			
FH (60°-80°)	1339.4	27.5			G1/1800
FVH (80°-90°)	19.9	0.4			G1/100
BL (0°-30°)	186.1	3.8	B1/500		
BM (30°-60°)	436.1	9.0	B1/1000		
BH (60°-80°)	251.5	5.2	B1/500		G1/500
BVH (80°-90°)	7.5	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°	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0
2.5°	851.9	856.8	854.0	852.6	850.1	846.6	843.8	835.0	825.9	820.0
5°	869.0	873.9	873.6	875.0	876.7	877.8	877.1	867.3	854.3	844.1
7.5°	854.3	859.9	864.5	871.5	883.7	896.7	903.0	900.9	887.6	873.6
10°	812.6	818.6	829.4	845.9	871.8	899.8	923.3	934.2	925.8	910.3
12.5°	736.3	742.2	763.6	799.3	842.7	891.4	936.3	965.3	967.4	952.0
15°	650.4	656.4	679.2	724.0	790.2	868.3	943.3	998.3	1016.8	1003.5
17.5°	597.2	602.5	619.6	655.7	724.7	822.1	940.8	1033.3	1075.7	1065.2
20°	581.1	585.6	593.7	618.9	676.4	774.1	924.7	1066.2	1139.1	1133.1
22.5°	598.3	602.5	604.9	616.1	652.2	742.6	904.4	1099.8	1212.6	1213.3
25°	637.8	642.0	639.2	646.2	662.0	732.8	896.7	1139.4	1305.1	1312.8
27.5°	703.0	703.3	696.7	696.3	698.8	747.5	904.7	1181.8	1421.7	1436.1
30°	833.6	828.4	802.8	775.1	762.5	791.6	927.2	1231.9	1559.4	1585.0
32.5°	1035.0	1027.3	980.4	914.2	847.6	862.7	967.4	1289.0	1709.3	1755.5
35°	1253.6	1251.5	1202.5	1104.0	987.8	963.9	1032.9	1363.9	1872.9	1946.4
37.5°	1456.8	1455.7	1427.7	1311.8	1170.2	1105.1	1138.0	1462.0	2048.0	2154.5
40°	1642.4	1645.6	1617.5	1513.9	1371.3	1286.2	1280.9	1583.2	2242.8	2381.1
42.5°	1802.8	1806.3	1778.0	1701.2	1569.9	1486.5	1456.4	1731.7	2433.0	2624.6
45°	1911.8	1933.5	1929.3	1868.0	1773.8	1687.2	1667.3	1918.1	2649.8	2882.7
47.5°	1942.6	1962.5	1994.1	2002.5	1945.0	1859.9	1883.7	2142.6	2869.0	3141.2
50°	1866.6	1885.1	1950.6	2037.9	2077.8	2051.5	2094.3	2383.2	3093.6	3399.0
52.5°	1716.7	1735.6	1818.2	1956.2	2119.1	2201.8	2305.5	2620.4	3311.1	3643.1
55°	1499.8	1519.8	1625.9	1782.2	2040.3	2263.8	2481.6	2857.1	3510.4	3862.8
57.5°	1204.9	1219.6	1330.0	1548.5	1842.1	2202.1	2611.6	3115.6	3698.1	4078.5
60°	785.3	798.3	926.5	1170.2	1513.5	1996.2	2637.5	3403.9	3947.5	4359.1
62.5°	522.2	531.0	607.0	786.0	1065.9	1600.7	2485.8	3634.0	4313.2	4847.4
65°	358.3	367.1	443.1	567.8	688.6	1058.9	2049.8	3603.6	4644.5	5235.1
67.5°	255.7	263.1	327.5	445.2	498.4	615.1	1389.5	3214.1	4596.9	5249.8
70°	183.2	187.4	240.6	346.8	396.2	369.5	772.7	2458.2	4024.9	4847.7
72.5°	128.2	129.6	167.1	264.1	319.1	269.7	367.8	1638.9	3044.2	3805.0
75°	86.9	88.6	112.4	193.7	256.0	206.0	194.7	878.8	1787.1	2106.2
77.5°	53.2	53.9	72.5	132.4	191.6	156.9	125.4	372.3	691.4	678.8
80°	30.1	30.1	46.2	82.3	130.6	101.2	87.9	158.3	218.9	192.3
82.5°	16.8	17.2	33.6	51.1	86.5	59.9	48.3	73.2	94.6	83.7
85°	7.0	7.7	20.7	24.2	41.3	29.8	19.6	30.8	35.0	31.2
87.5°	0.7	1.1	6.3	4.6	4.9	6.0	2.8	6.0	4.9	4.9
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°
806.0	0°	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0
817.9	2.5°	811.2	806.0	792.7	777.2	756.9	747.1	733.8	724.7	717.0	717.7
838.2	5°	827.0	813.7	783.9	746.8	700.5	667.6	632.6	608.4	588.8	584.6
866.2	7.5°	848.7	827.7	775.5	708.6	630.5	571.3	518.4	484.4	460.3	452.5
900.2	10°	876.7	846.2	764.6	660.6	548.2	472.9	416.1	389.5	373.0	367.4
940.1	12.5°	909.3	867.6	750.3	602.1	463.4	390.9	354.8	341.5	336.3	334.5
989.2	15°	950.3	894.2	728.6	532.8	391.6	340.8	325.4	323.6	324.3	323.6
1048.0	17.5°	999.0	923.3	693.2	461.3	343.3	315.2	309.6	311.0	312.8	312.4
1113.9	20°	1052.2	952.0	648.0	397.9	310.3	297.0	293.9	295.3	296.7	296.0
1189.9	22.5°	1112.8	982.9	597.9	348.5	288.3	280.2	276.7	277.1	277.1	275.7
1286.2	25°	1185.3	1016.8	545.4	313.5	271.5	265.2	260.9	259.5	257.4	253.2
1403.2	27.5°	1271.8	1052.9	494.9	289.0	258.1	252.2	247.3	243.8	238.5	231.5
1543.6	30°	1369.2	1096.7	452.2	273.6	247.6	241.7	236.1	230.8	223.1	214.4
1705.1	32.5°	1483.7	1143.6	421.0	263.4	238.2	231.9	225.2	218.9	210.5	201.8
1886.5	35°	1620.3	1200.4	402.8	256.4	230.8	222.4	215.1	208.1	201.8	194.0
2083.7	37.5°	1768.5	1260.6	397.2	252.9	225.9	213.0	204.6	199.7	199.0	194.4
2297.1	40°	1930.7	1332.1	401.4	250.8	220.7	203.9	194.7	193.7	195.4	187.4
2525.1	42.5°	2102.3	1416.8	408.4	248.3	213.3	194.7	186.0	186.0	184.6	173.4
2766.1	45°	2287.9	1514.6	415.4	242.4	204.6	185.6	179.0	176.5	170.6	159.7
3008.4	47.5°	2475.0	1614.0	420.7	231.5	194.0	177.9	172.0	166.4	157.6	147.8
3246.3	50°	2652.6	1703.4	415.1	215.4	182.1	170.6	164.3	156.6	147.1	140.5
3471.5	52.5°	2811.2	1780.8	391.2	196.5	169.5	162.9	157.3	149.2	141.5	134.5
3674.7	55°	2949.3	1843.5	349.2	178.6	158.3	156.2	150.6	140.5	129.9	124.0
3876.1	57.5°	3081.7	1891.1	296.7	163.9	148.2	148.9	140.5	131.4	121.5	115.2
4147.5	60°	3257.8	1954.8	243.4	150.3	137.3	139.4	130.3	123.6	111.4	103.3
4613.0	62.5°	3539.5	2054.0	193.3	133.5	124.7	125.4	121.5	113.5	98.8	89.3
4958.0	65°	3762.9	2017.5	152.4	115.2	110.3	111.4	111.4	102.6	86.9	76.0
4976.6	67.5°	3737.7	1727.5	121.5	97.4	96.7	97.4	99.8	92.5	77.1	68.3
4597.6	70°	3443.1	1374.1	97.4	80.9	84.1	82.3	89.3	84.4	69.4	60.6
3564.3	72.5°	2809.5	989.9	74.3	66.9	64.4	67.3	80.6	76.0	57.8	48.0
1887.9	75°	1641.7	528.2	55.3	52.9	46.6	56.0	71.5	64.8	44.1	35.4
578.6	77.5°	534.5	184.2	40.6	38.9	34.7	45.2	60.9	54.6	36.1	28.0
169.5	80°	143.3	55.7	27.7	25.6	22.4	33.6	48.3	43.4	25.9	18.2
72.9	82.5°	57.4	23.5	16.1	14.4	12.3	23.1	38.2	35.0	19.3	11.6
22.8	85°	18.6	7.7	6.0	4.6	5.6	14.4	22.8	23.8	13.7	6.0
3.5	87.5°	2.5	1.1	1.1	1.4	1.1	2.5	7.0	6.7	3.9	0.7
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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806.0
710.7
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202.1
193.3
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187.7
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