

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: P847175

Luminaire Tested: **GLAN-SB3A-927-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847175
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-SB3A-927-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6329 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

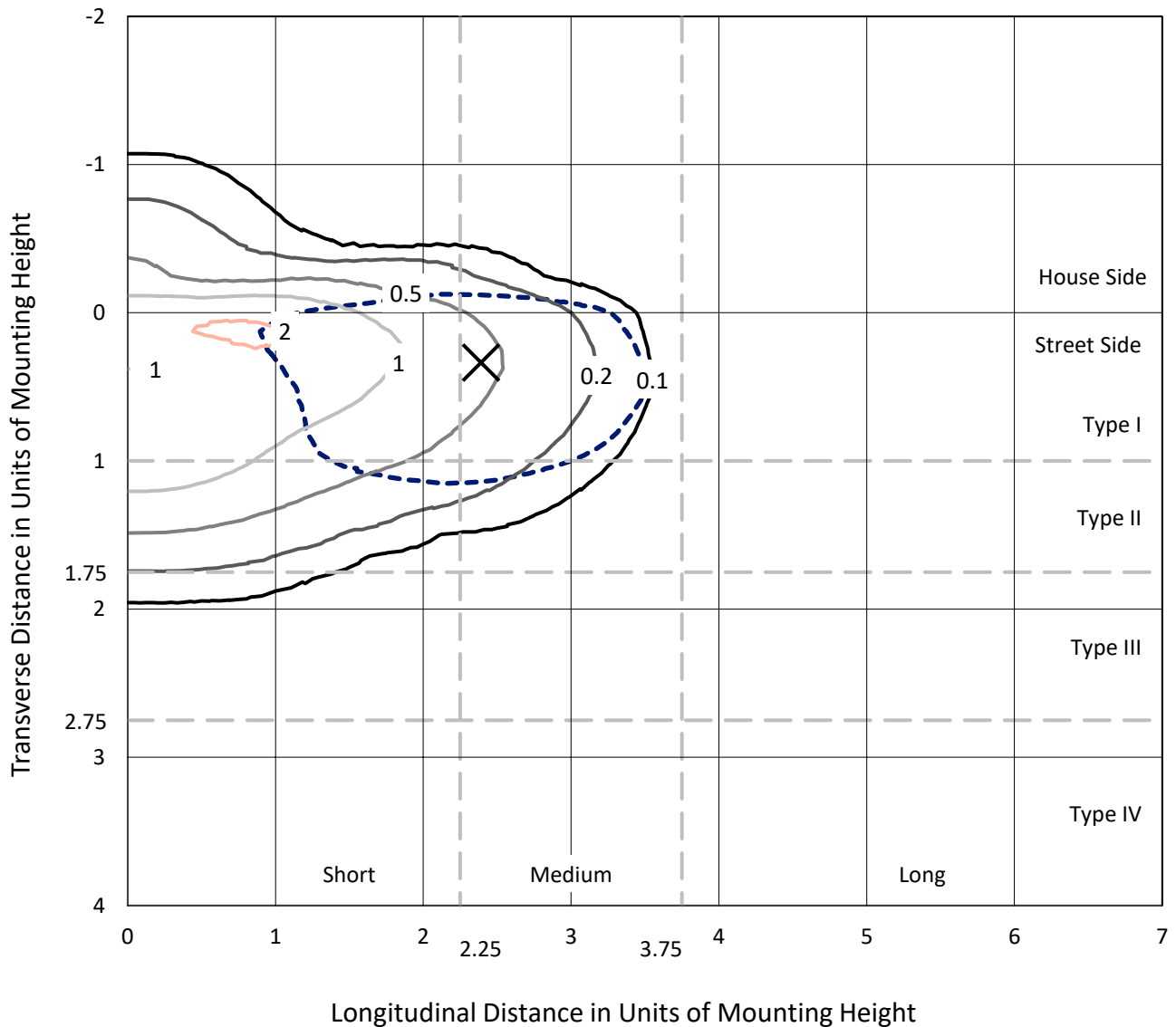
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

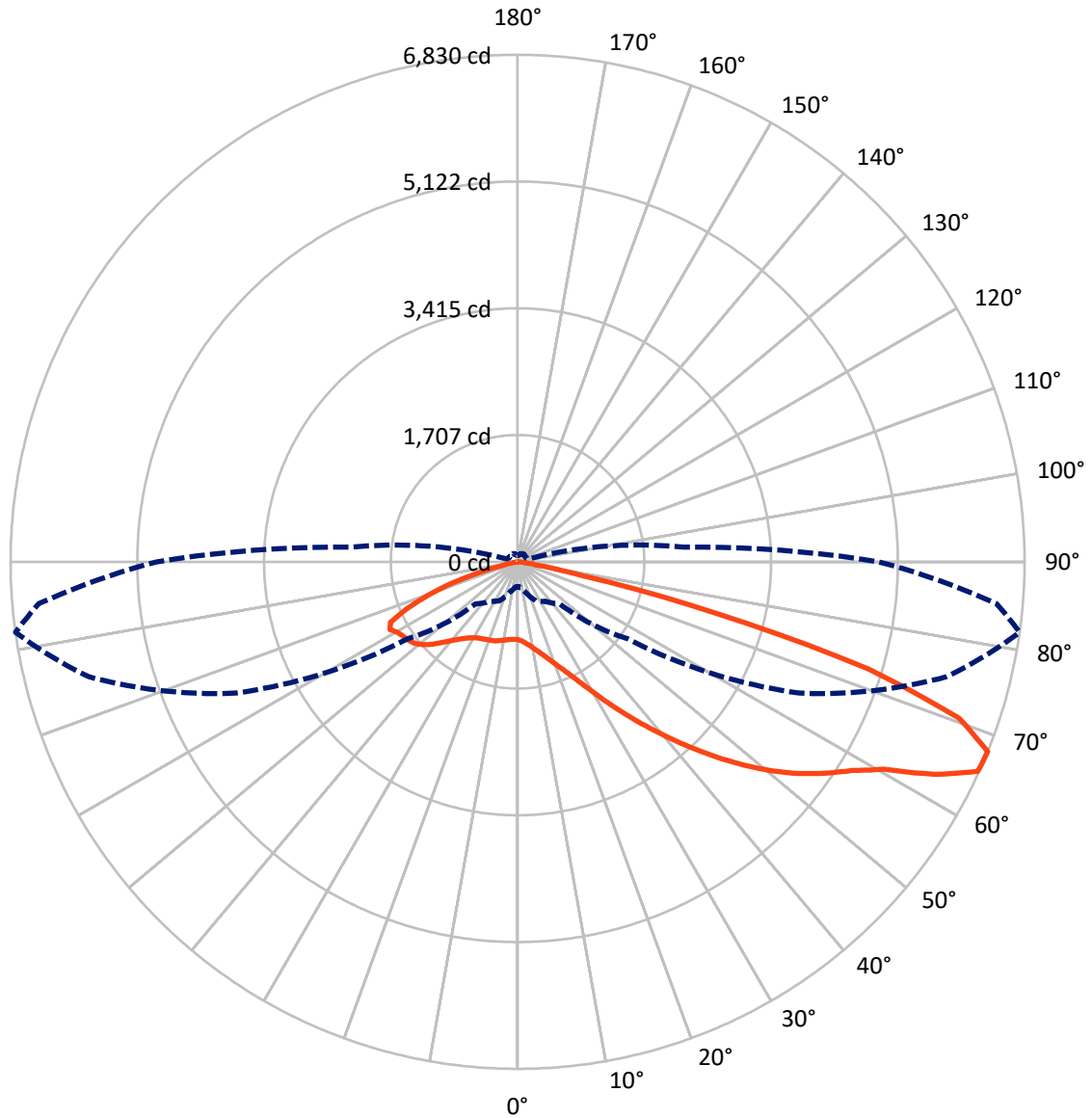
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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	1146.4	0.0	1146.4
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	5182.6	0.0	5182.6
	% Fixture	81.9	0.0	81.9
Total	Lumens	6329.0	0.0	6329.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.4	1.5
10°-20°	242.7	3.8
20°-30°	388.8	6.1
30°-40°	687.5	10.9
40°-50°	1204.6	19.0
50°-60°	1606.6	25.4
60°-70°	1495.7	23.6
70°-80°	574.0	9.1
80°-90°	35.7	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°	6329.0	100.0
0°-180°	6329.0	100.0

Coefficient of Utilization

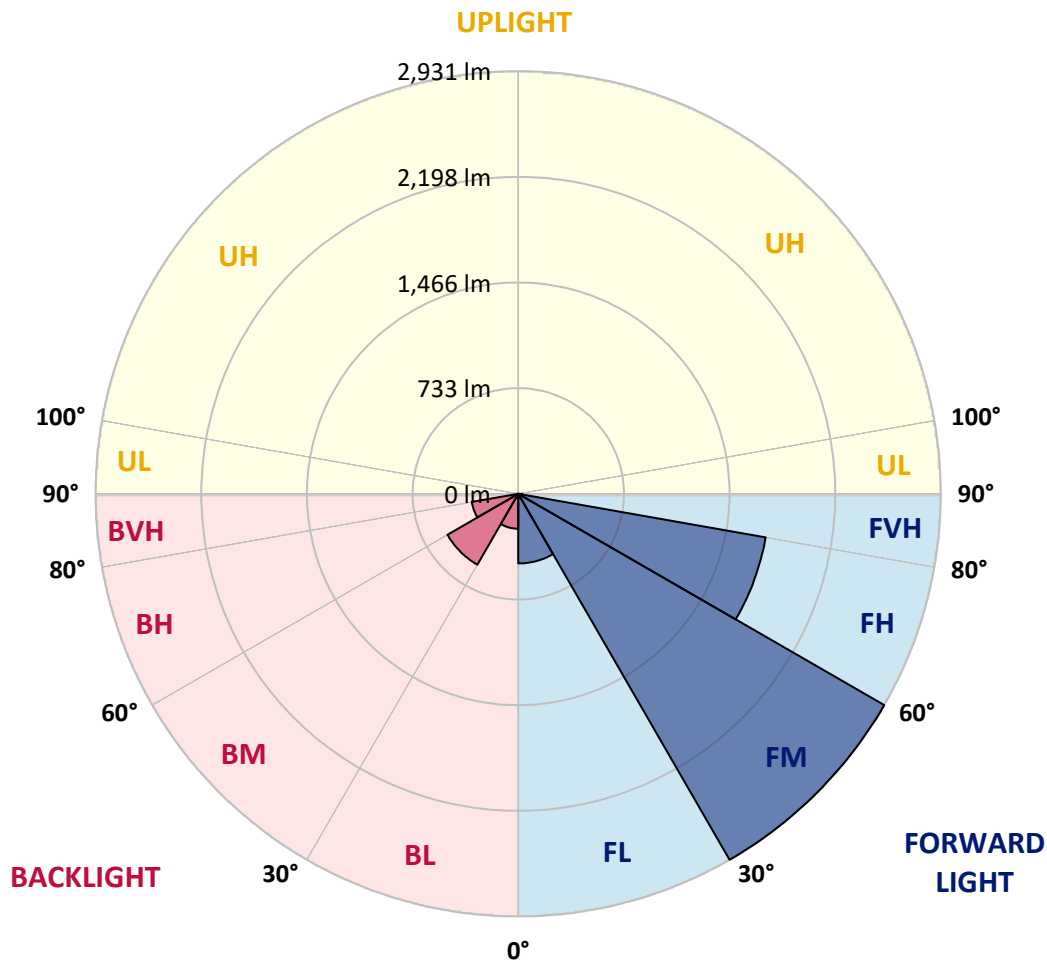


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	482.8	7.6			
FM (30°-60°)	2931.3	46.3			
FH (60°-80°)	1742.5	27.5			G1/1800
FVH (80°-90°)	25.9	0.4			G1/100
BL (0°-30°)	242.1	3.8	B1/500		
BM (30°-60°)	567.4	9.0	B1/1000		
BH (60°-80°)	327.2	5.2	B1/500		G1/500
BVH (80°-90°)	9.7	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°	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5
2.5°	1108.2	1114.6	1110.9	1109.1	1105.9	1101.4	1097.7	1086.3	1074.5	1066.7
5°	1130.5	1136.9	1136.4	1138.3	1140.5	1141.9	1141.0	1128.2	1111.4	1098.2
7.5°	1111.4	1118.7	1124.6	1133.7	1149.7	1166.5	1174.7	1172.0	1154.7	1136.4
10°	1057.2	1064.9	1079.0	1100.4	1134.2	1170.6	1201.2	1215.3	1204.3	1184.3
12.5°	957.8	965.6	993.4	1039.8	1096.3	1159.7	1218.0	1255.8	1258.6	1238.5
15°	846.2	853.9	883.5	941.9	1028.0	1129.6	1227.1	1298.7	1322.8	1305.5
17.5°	776.9	783.8	806.1	853.0	942.8	1069.5	1223.9	1344.2	1399.4	1385.7
20°	756.0	761.9	772.4	805.2	879.9	1007.0	1203.0	1387.1	1481.8	1474.1
22.5°	778.3	783.8	786.9	801.5	848.5	966.0	1176.5	1430.8	1577.5	1578.4
25°	829.8	835.2	831.6	840.7	861.2	953.3	1166.5	1482.3	1697.8	1707.9
27.5°	914.5	915.0	906.3	905.9	909.1	972.4	1177.0	1537.4	1849.6	1868.3
30°	1084.5	1077.7	1044.4	1008.4	992.0	1029.8	1206.2	1602.6	2028.7	2061.9
32.5°	1346.5	1336.5	1275.4	1189.3	1102.7	1122.3	1258.6	1676.9	2223.7	2283.8
35°	1630.8	1628.1	1564.3	1436.3	1285.0	1254.0	1343.8	1774.4	2436.5	2532.2
37.5°	1895.1	1893.8	1857.3	1706.5	1522.4	1437.6	1480.5	1902.0	2664.3	2802.8
40°	2136.6	2140.7	2104.3	1969.4	1784.0	1673.2	1666.4	2059.6	2917.7	3097.7
42.5°	2345.3	2349.9	2313.0	2213.2	2042.3	1933.9	1894.7	2252.8	3165.1	3414.3
45°	2487.1	2515.3	2509.8	2430.1	2307.5	2195.0	2169.0	2495.3	3447.2	3750.2
47.5°	2527.2	2553.1	2594.1	2605.1	2530.3	2419.6	2450.6	2787.3	3732.4	4086.5
50°	2428.3	2452.4	2537.6	2651.1	2703.0	2668.9	2724.5	3100.4	4024.5	4421.8
52.5°	2233.2	2257.9	2365.4	2544.9	2756.8	2864.4	2999.2	3408.9	4307.5	4739.4
55°	1951.2	1977.2	2115.2	2318.5	2654.3	2945.0	3228.4	3716.9	4566.7	5025.2
57.5°	1567.5	1586.6	1730.2	2014.5	2396.4	2864.8	3397.5	4053.2	4811.0	5305.8
60°	1021.6	1038.5	1205.3	1522.4	1969.0	2596.9	3431.2	4428.2	5135.4	5670.8
62.5°	679.4	690.8	789.7	1022.5	1386.6	2082.4	3233.9	4727.6	5611.1	6306.0
65°	466.2	477.5	576.4	738.6	895.9	1377.5	2666.6	4688.0	6042.2	6810.5
67.5°	332.6	342.2	426.1	579.2	648.4	800.2	1807.7	4181.2	5980.2	6829.6
70°	238.3	243.8	313.0	451.1	515.4	480.7	1005.2	3197.9	5236.1	6306.5
72.5°	166.8	168.6	217.4	343.6	415.1	350.9	478.5	2132.1	3960.2	4950.0
75°	113.0	115.3	146.3	252.0	333.1	267.9	253.4	1143.3	2324.8	2740.0
77.5°	69.3	70.2	94.3	172.2	249.3	204.1	163.1	484.4	899.5	883.1
80°	39.2	39.2	60.1	107.1	170.0	131.7	114.4	206.0	284.8	250.2
82.5°	21.9	22.3	43.7	66.5	112.6	77.9	62.9	95.2	123.0	108.9
85°	9.1	10.0	26.9	31.4	53.8	38.7	25.5	40.1	45.6	40.6
87.5°	0.9	1.4	8.2	5.9	6.4	7.7	3.6	7.7	6.4	6.4
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°
1048.5	0°	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5	1048.5
1064.0	2.5°	1055.3	1048.5	1031.2	1011.1	984.7	971.9	954.6	942.8	932.8	933.7
1090.4	5°	1075.8	1058.5	1019.8	971.5	911.3	868.5	822.9	791.5	766.0	760.5
1126.9	7.5°	1104.1	1076.8	1008.9	921.8	820.2	743.2	674.4	630.2	598.8	588.7
1171.1	10°	1140.5	1100.9	994.7	859.4	713.1	615.2	541.3	506.7	485.3	478.0
1223.0	12.5°	1182.9	1128.7	976.0	783.3	602.9	508.5	461.6	444.3	437.4	435.2
1286.8	15°	1236.2	1163.3	947.8	693.1	509.4	443.4	423.3	421.0	422.0	421.0
1363.4	17.5°	1299.6	1201.2	901.8	600.1	446.6	410.1	402.8	404.6	406.9	406.5
1449.0	20°	1368.8	1238.5	843.0	517.6	403.7	386.4	382.3	384.1	386.0	385.0
1547.9	22.5°	1447.7	1278.6	777.8	453.4	375.0	364.5	360.0	360.4	360.4	358.6
1673.2	25°	1542.0	1322.8	709.5	407.8	353.1	344.9	339.5	337.7	334.9	329.5
1825.4	27.5°	1654.5	1369.7	643.9	375.9	335.8	328.1	321.7	317.1	310.3	301.2
2008.1	30°	1781.2	1426.7	588.3	355.9	322.2	314.4	307.1	300.3	290.3	278.9
2218.2	32.5°	1930.2	1487.8	547.7	342.7	309.9	301.7	293.0	284.8	273.9	262.5
2454.2	35°	2107.9	1561.6	524.0	333.6	300.3	289.4	279.8	270.7	262.5	252.4
2710.8	37.5°	2300.7	1640.0	516.7	329.0	293.9	277.0	266.1	259.7	258.8	252.9
2988.3	40°	2511.7	1732.9	522.2	326.3	287.1	265.2	253.4	252.0	254.3	243.8
3284.9	42.5°	2734.9	1843.2	531.3	323.1	277.5	253.4	242.0	242.0	240.1	225.6
3598.4	45°	2976.4	1970.3	540.4	315.3	266.1	241.5	232.8	229.7	221.9	207.8
3913.8	47.5°	3219.8	2099.7	547.3	301.2	252.4	231.5	223.7	216.4	205.1	192.3
4223.2	50°	3450.8	2215.9	540.0	280.2	236.9	221.9	213.7	203.7	191.4	182.7
4516.2	52.5°	3657.2	2316.6	509.0	255.6	220.5	211.9	204.6	194.1	184.1	175.0
4780.5	55°	3836.8	2398.2	454.3	232.4	206.0	203.2	195.9	182.7	169.1	161.3
5042.5	57.5°	4009.0	2460.2	386.0	213.3	192.7	193.7	182.7	170.9	158.1	149.9
5395.6	60°	4238.2	2543.1	316.7	195.5	178.6	181.4	169.5	160.9	144.9	134.4
6001.2	62.5°	4604.6	2672.1	251.5	173.6	162.2	163.1	158.1	147.6	128.5	116.2
6450.0	65°	4895.3	2624.7	198.2	149.9	143.5	144.9	144.9	133.5	113.0	98.9
6474.2	67.5°	4862.5	2247.4	158.1	126.7	125.8	126.7	129.9	120.3	100.2	88.9
5981.1	70°	4479.3	1787.6	126.7	105.3	109.4	107.1	116.2	109.8	90.2	78.8
4636.9	72.5°	3654.9	1287.7	96.6	87.0	83.8	87.5	104.8	98.9	75.2	62.4
2456.1	75°	2135.7	687.2	72.0	68.8	60.6	72.9	93.0	84.3	57.4	46.0
752.8	77.5°	695.4	239.7	52.9	50.6	45.1	58.8	79.3	71.1	46.9	36.5
220.5	80°	186.4	72.5	36.0	33.3	29.2	43.7	62.9	56.5	33.7	23.7
94.8	82.5°	74.7	30.5	21.0	18.7	15.9	30.1	49.7	45.6	25.1	15.0
29.6	85°	24.2	10.0	7.7	5.9	7.3	18.7	29.6	31.0	17.8	7.7
4.6	87.5°	3.2	1.4	1.4	1.8	1.4	3.2	9.1	8.7	5.0	0.9
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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1048.5
924.6
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300.3
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262.9
251.5
252.4
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