

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: P852310

Luminaire Tested: **GLAN-SB2D-927-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852310
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2D-927-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9923 lumens
Efficiency: N/A
Efficacy: 67.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

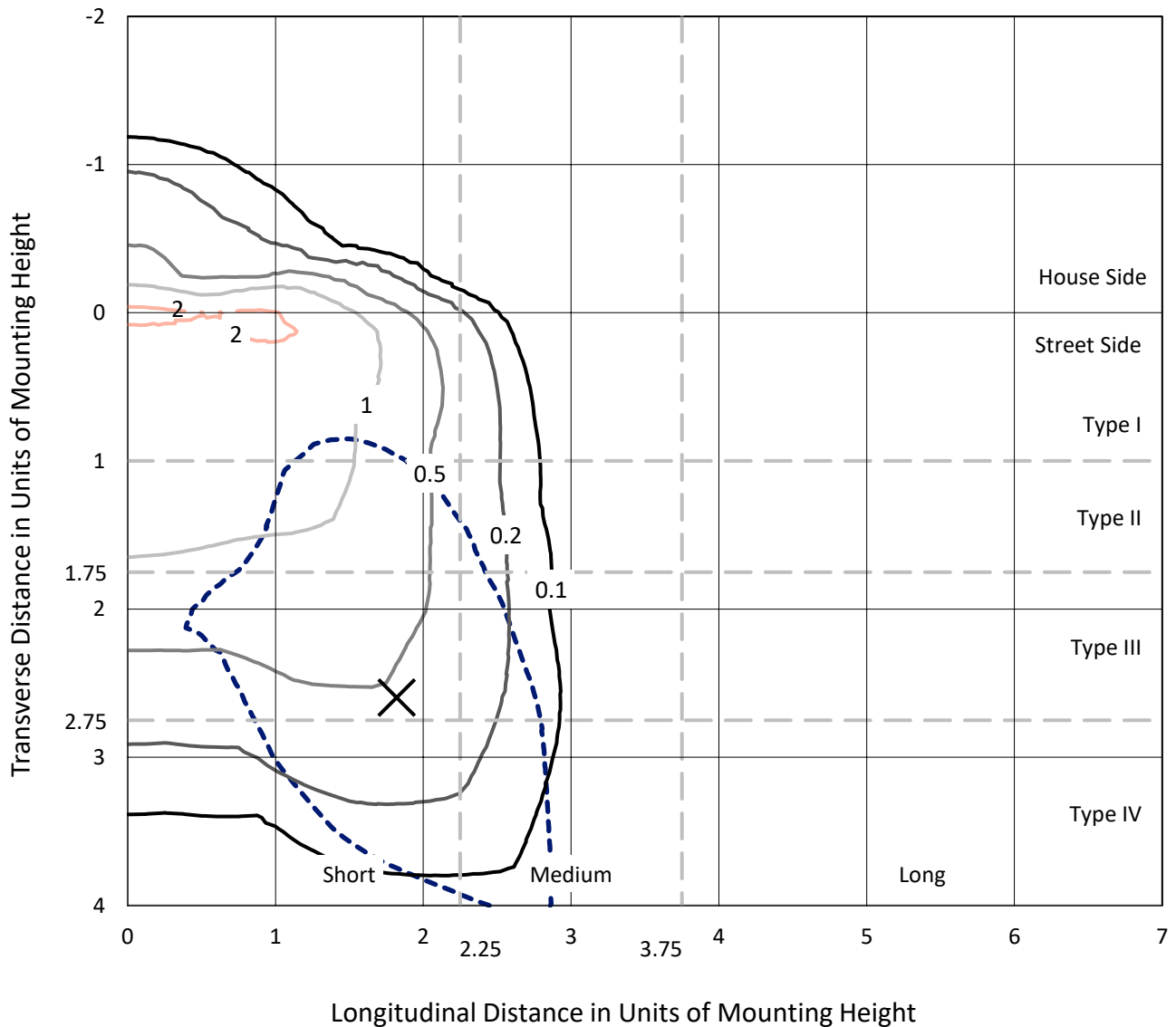
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

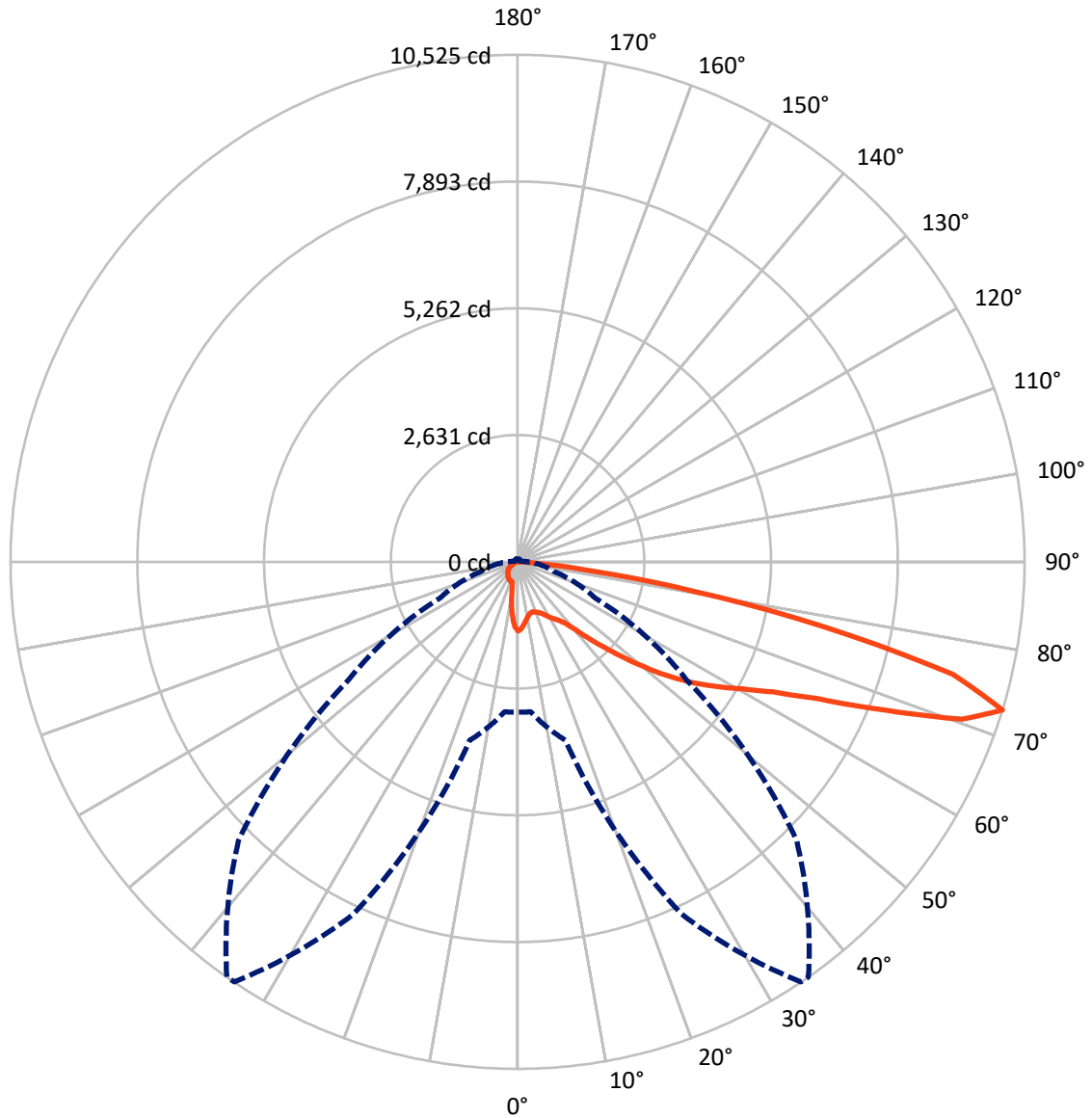
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1116.8	0.0	1116.8
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	8806.2	0.0	8806.2
	% Fixture	88.7	0.0	88.7
Total	Lumens	9923.0	0.0	9923.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.2	1.2
10°-20°	276.5	2.8
20°-30°	449.1	4.5
30°-40°	749.3	7.6
40°-50°	1417.8	14.3
50°-60°	2252.8	22.7
60°-70°	2786.9	28.1
70°-80°	1732.4	17.5
80°-90°	140.0	1.4
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°	9923.0	100.0
0°-180°	9923.0	100.0

Coefficient of Utilization



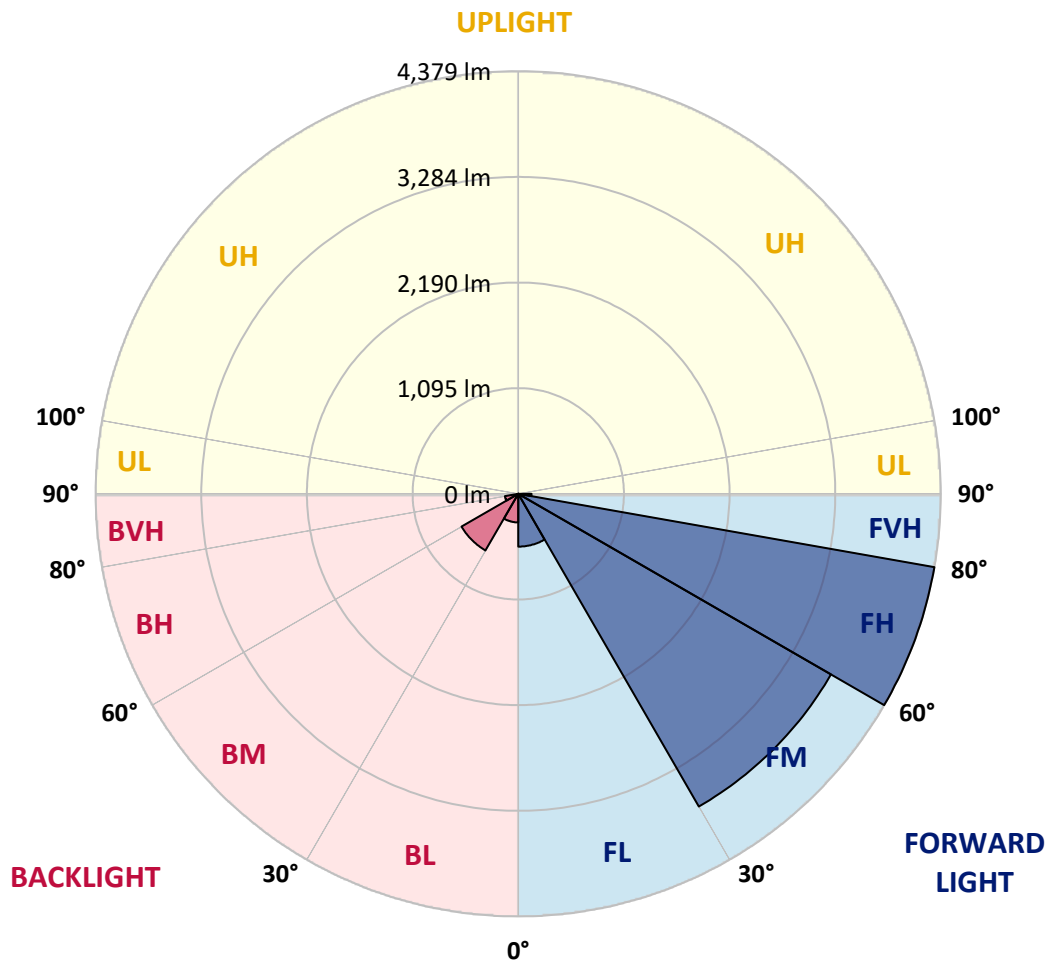
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	547.0	5.5			
FM (30°-60°)	3742.0	37.7			
FH (60°-80°)	4379.1	44.1			G2/5000
FVH (80°-90°)	138.1	1.4			G2/225
BL (0°-30°)	296.8	3.0	B1/500		
BM (30°-60°)	678.0	6.8	B1/1000		
BH (60°-80°)	140.1	1.4	B1/500		G1/500
BVH (80°-90°)	1.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1438.2	1438.2	1438.2	1438.2	1438.2	1438.2	1438.2	1438.2	1438.2	1438.2
2.5°	1374.2	1385.8	1388.0	1391.6	1391.6	1396.0	1403.3	1413.5	1430.2	1438.9
5°	1266.6	1275.3	1286.2	1294.9	1311.7	1313.8	1342.2	1369.8	1408.4	1437.4
7.5°	1158.2	1168.4	1183.0	1204.1	1225.9	1232.4	1275.3	1321.8	1382.9	1437.4
10°	1081.9	1082.6	1095.7	1116.8	1151.7	1159.7	1212.1	1278.2	1354.6	1428.7
12.5°	1039.0	1044.1	1049.9	1065.9	1099.4	1104.4	1160.4	1238.2	1326.2	1423.6
15°	1039.0	1042.6	1046.3	1054.3	1081.2	1085.5	1135.0	1212.8	1311.7	1425.8
17.5°	1049.9	1055.7	1052.8	1062.3	1090.6	1093.5	1137.2	1205.5	1310.9	1439.6
20°	1076.1	1080.4	1074.6	1080.4	1108.8	1114.6	1159.7	1219.3	1323.3	1463.6
22.5°	1117.5	1119.7	1105.9	1110.3	1139.3	1146.6	1199.0	1258.6	1353.1	1502.2
25°	1169.9	1174.2	1153.2	1158.2	1185.9	1194.6	1254.9	1317.5	1400.4	1555.2
27.5°	1230.2	1232.4	1214.2	1213.5	1249.1	1261.5	1322.6	1390.2	1463.6	1622.1
30°	1299.3	1305.8	1288.4	1285.5	1330.6	1340.7	1401.1	1479.6	1556.7	1722.5
32.5°	1353.8	1358.9	1348.7	1356.0	1401.8	1409.8	1496.3	1606.1	1702.8	1865.0
35°	1432.4	1435.3	1412.0	1425.1	1477.4	1497.8	1626.5	1783.5	1886.8	2043.8
37.5°	1716.6	1716.6	1617.8	1553.1	1603.2	1621.4	1804.6	2006.8	2113.6	2283.8
40°	2110.0	2103.5	1958.8	1826.4	1819.9	1855.5	2058.4	2288.1	2406.7	2571.7
42.5°	2529.5	2519.4	2322.3	2191.4	2169.6	2182.0	2351.4	2635.0	2755.7	2922.9
45°	2901.8	2898.9	2718.6	2542.6	2503.4	2542.6	2717.1	3040.7	3127.2	3303.2
47.5°	3213.7	3213.7	3082.1	2967.2	2946.9	2970.1	3212.3	3490.7	3482.7	3708.1
50°	3572.9	3570.0	3444.9	3395.5	3416.6	3449.3	3782.3	3964.8	3850.6	4105.9
52.5°	3824.5	3841.9	3799.0	3791.0	3898.6	3955.3	4361.1	4428.7	4180.0	4483.2
55°	4023.7	4044.1	4093.5	4149.5	4356.7	4430.9	4921.6	4868.6	4455.6	4810.4
57.5°	4305.8	4276.7	4353.1	4463.6	4798.8	4888.2	5464.8	5283.7	4677.3	5075.8
60°	4648.3	4652.6	4665.7	4805.3	5240.1	5355.0	5999.9	5676.4	4819.9	5238.7
62.5°	5059.8	5066.3	5093.2	5307.7	5832.7	5941.0	6569.9	5997.7	4885.3	5192.8
65°	5031.4	5059.1	5359.3	6093.0	6733.5	6840.4	7235.2	6223.1	4786.4	4774.0
67.5°	4583.5	4628.6	5131.0	7030.9	8091.7	8211.0	8039.4	6267.5	4359.6	3712.5
70°	3996.1	4012.1	4616.3	7874.3	9664.4	9785.1	8759.2	5779.6	3308.2	2070.7
72.5°	3120.7	3124.3	3833.2	8069.9	10518.0	10524.6	8194.3	4290.5	1779.2	795.4
75°	2229.2	2207.4	2567.3	6544.5	9253.6	9327.8	6143.1	2012.6	679.8	375.9
77.5°	1195.3	1219.3	1452.7	3881.2	6392.5	6519.0	3351.9	580.2	346.1	255.9
80°	369.4	389.7	595.5	1777.0	3620.9	3697.2	1242.6	258.1	241.4	182.5
82.5°	116.3	120.7	277.7	746.7	1502.9	1537.8	359.9	146.1	165.0	120.7
85°	33.4	34.2	123.6	278.5	371.5	378.8	101.1	56.7	94.5	74.9
87.5°	3.6	11.6	46.5	46.5	32.7	32.0	10.9	12.4	26.9	9.5
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°
1438.2	0°	1438.2	1438.2	1438.2	1438.2	1438.2	1438.2	1438.2	1438.2	1438.2	1438.2
1444.7	2.5°	1441.1	1441.8	1432.4	1416.4	1398.9	1384.4	1366.2	1351.7	1341.5	1338.6
1457.8	5°	1451.3	1446.2	1419.3	1370.6	1312.4	1262.2	1206.2	1161.9	1132.8	1120.4
1471.6	7.5°	1466.5	1452.0	1393.1	1297.1	1185.9	1087.0	986.7	908.9	859.4	834.7
1484.7	10°	1479.6	1450.5	1349.5	1191.0	1020.8	871.0	735.8	642.0	589.7	564.9
1500.0	12.5°	1492.0	1449.8	1292.8	1065.2	834.7	651.5	525.7	479.1	464.6	459.5
1524.7	15°	1515.2	1452.0	1221.5	921.2	649.3	492.2	446.4	445.7	448.6	447.2
1562.5	17.5°	1547.2	1454.2	1140.8	768.5	501.0	434.1	431.9	438.4	442.8	440.6
1609.8	20°	1588.7	1462.9	1055.0	617.3	430.4	419.5	424.6	430.4	434.1	430.4
1673.0	22.5°	1646.8	1478.2	961.2	495.9	407.9	410.8	415.2	421.7	425.3	420.3
1753.7	25°	1718.1	1502.2	868.9	431.2	397.0	400.6	407.2	414.4	418.8	413.7
1855.5	27.5°	1810.4	1540.7	783.8	416.6	386.1	388.3	397.7	408.6	414.4	407.9
2000.2	30°	1944.2	1604.0	710.4	423.2	379.5	374.4	387.5	402.8	409.3	403.5
2197.3	32.5°	2121.6	1693.4	665.3	433.3	376.6	358.5	370.8	390.4	401.4	397.7
2454.6	35°	2354.3	1829.3	647.8	445.0	374.4	341.7	350.5	371.5	390.4	394.1
2778.9	37.5°	2636.4	2018.4	652.9	450.1	367.9	327.9	332.3	350.5	375.2	386.8
3143.9	40°	2957.1	2238.7	682.0	445.0	360.6	316.3	317.0	330.8	352.6	370.1
3536.5	42.5°	3287.9	2496.1	735.8	426.1	354.1	306.1	303.9	313.4	327.9	340.3
3928.4	45°	3602.7	2760.7	788.9	399.9	346.1	295.9	290.8	294.5	297.4	302.5
4310.2	47.5°	3877.5	2946.9	773.6	375.9	335.2	284.3	275.6	274.1	265.4	264.7
4651.2	50°	4067.3	2987.6	687.1	351.9	319.2	271.2	257.4	248.7	233.4	226.1
4906.4	52.5°	4127.7	2826.9	561.3	327.9	293.0	253.8	234.1	220.3	201.4	194.9
5053.2	55°	4047.7	2512.1	448.6	298.8	256.7	230.5	208.7	190.5	175.2	167.2
5069.2	57.5°	3852.1	2111.5	354.8	264.7	218.1	204.3	182.5	164.3	151.2	143.2
4891.8	60°	3527.8	1676.7	280.7	223.9	186.1	176.0	153.4	141.8	130.1	120.7
4433.8	62.5°	3035.6	1196.8	220.3	177.4	155.6	144.0	130.9	122.2	108.3	95.2
3610.0	65°	2368.8	732.2	170.1	130.1	125.1	119.2	111.2	103.2	86.5	73.4
2355.0	67.5°	1494.2	346.8	121.4	98.2	98.9	96.0	92.3	85.8	73.4	61.8
1055.0	70°	658.0	168.0	80.0	74.9	73.4	73.4	76.3	74.2	62.5	51.6
366.5	72.5°	223.9	90.2	59.6	56.7	53.1	52.4	64.0	61.8	50.2	40.0
182.5	75°	117.1	60.3	43.6	40.7	32.0	38.5	50.9	48.0	35.6	26.2
120.7	77.5°	76.3	42.9	29.8	26.2	18.2	25.4	37.8	33.4	21.1	13.1
79.3	80°	48.0	28.4	17.5	12.4	8.7	13.8	20.4	14.5	8.0	2.9
46.5	82.5°	25.4	14.5	6.5	4.4	3.6	4.4	5.1	3.6	1.5	0.0
24.0	85°	10.2	5.1	2.2	1.5	0.7	0.0	1.5	0.7	0.0	0.0
4.4	87.5°	3.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
1438.2
1343.7
1124.8
838.3
565.7
458.1
446.4
439.9
429.7
419.5
413.0
407.9
402.8
397.7
394.1
389.7
375.9
345.4
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