

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: P847858

Luminaire Tested: **GLAN-SB4A-927-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847858  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4A-927-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11585 lumens  
Efficiency: N/A  
Efficacy: 101.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2

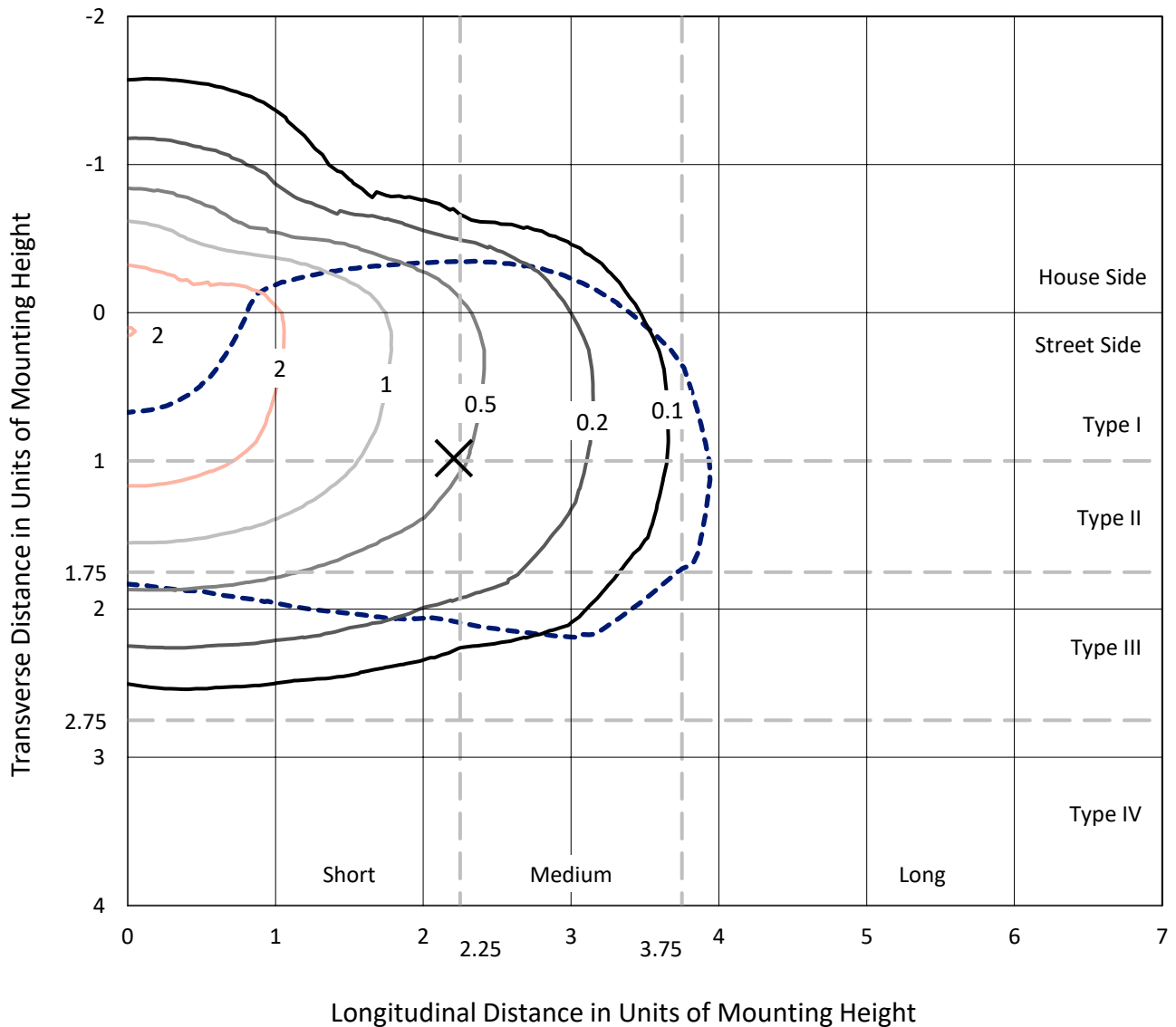
Input Watts (W): 114  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

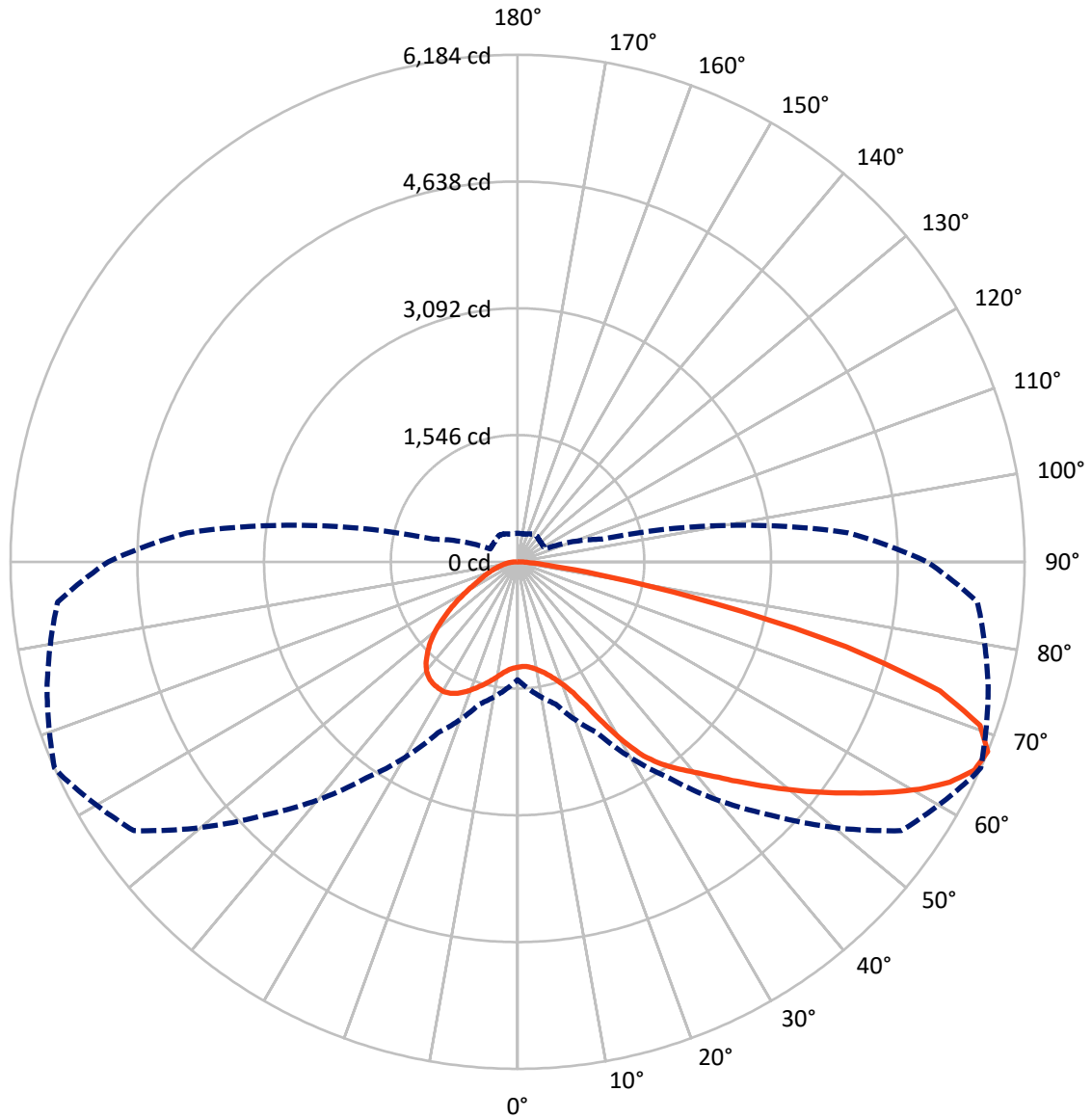
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2880.6	0.0	2880.6
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	8704.4	0.0	8704.4
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	11585.0	0.0	11585.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.4	1.1
10°-20°	420.9	3.6
20°-30°	811.3	7.0
30°-40°	1422.4	12.3
40°-50°	2114.7	18.3
50°-60°	2680.6	23.1
60°-70°	2622.9	22.6
70°-80°	1251.1	10.8
80°-90°	133.7	1.2
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°	11585.0	100.0
0°-180°	11585.0	100.0

**Coefficient of Utilization**



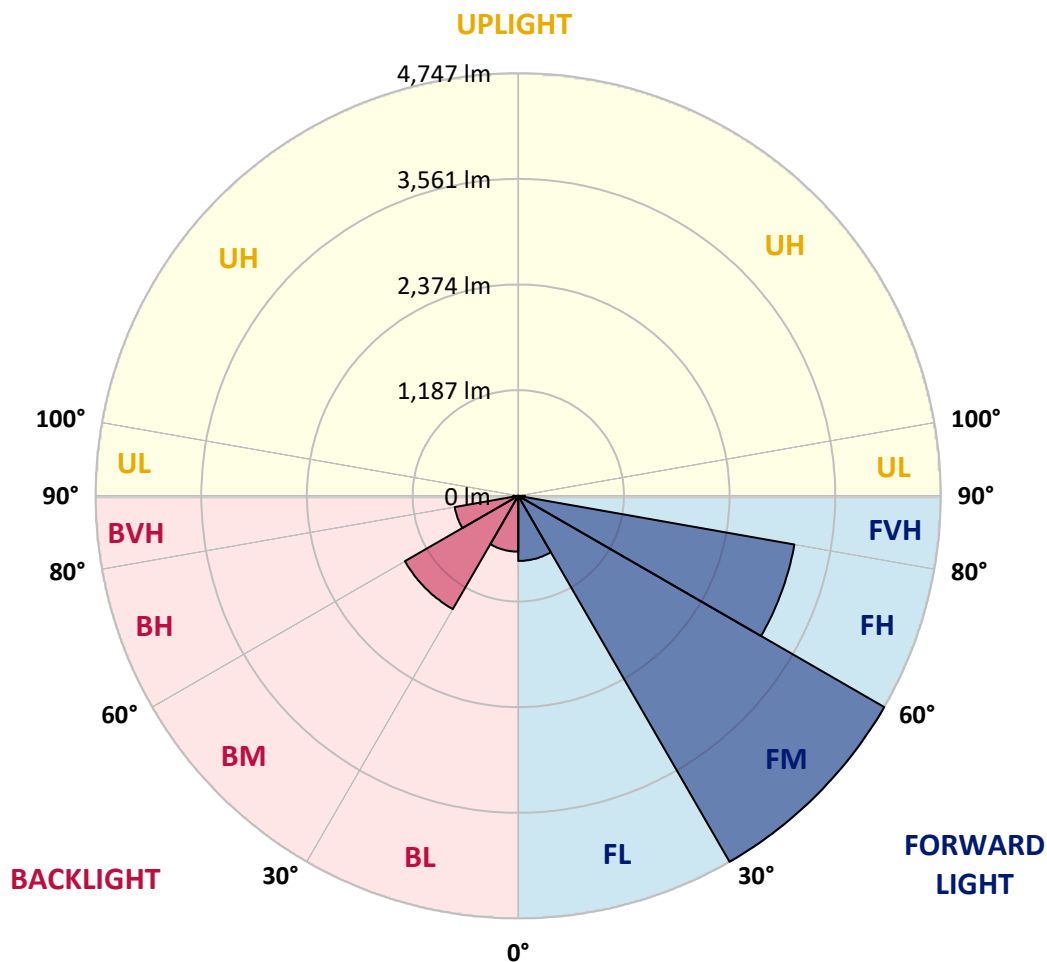
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	732.1	6.3			
FM (30°-60°)	4747.4	41.0			
FH (60°-80°)	3149.1	27.2			G2/5000
FVH (80°-90°)	75.8	0.7			G1/100
BL (0°-30°)	627.5	5.4	B2/1000		
BM (30°-60°)	1470.3	12.7	B2/2500		
BH (60°-80°)	724.9	6.3	B2/1000		G2/1000
BVH (80°-90°)	57.9	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	1284.9	1284.9	1284.9	1284.9	1284.9	1284.9	1284.9	1284.9	1284.9	1284.9
2.5°	1271.5	1278.8	1277.0	1274.0	1273.4	1274.6	1276.4	1278.2	1277.6	1280.7
5°	1267.9	1275.2	1274.6	1274.6	1277.0	1281.9	1284.9	1288.0	1284.9	1288.6
7.5°	1270.3	1275.8	1278.2	1280.7	1286.8	1295.9	1303.2	1309.9	1306.2	1310.5
10°	1301.4	1305.6	1308.1	1308.1	1312.3	1322.7	1330.0	1342.1	1339.1	1345.8
12.5°	1358.0	1362.2	1362.2	1359.8	1362.8	1369.5	1372.0	1385.4	1379.9	1390.8
15°	1427.4	1435.9	1429.2	1424.9	1426.1	1432.8	1432.2	1442.6	1437.1	1446.2
17.5°	1504.1	1515.0	1504.1	1503.4	1501.0	1508.3	1508.9	1518.1	1508.3	1515.0
20°	1594.7	1610.0	1600.8	1603.9	1598.4	1601.4	1604.5	1617.9	1602.7	1607.5
22.5°	1722.6	1740.8	1731.1	1742.7	1739.0	1736.6	1736.0	1759.7	1736.0	1737.8
25°	1908.8	1930.7	1913.7	1929.5	1929.5	1937.4	1946.6	1977.0	1937.4	1925.9
27.5°	2184.0	2205.9	2172.4	2182.1	2179.1	2198.6	2188.8	2264.3	2221.7	2202.8
30°	2515.1	2554.0	2490.7	2488.3	2485.3	2516.3	2530.3	2580.2	2537.0	2518.1
32.5°	2873.0	2913.8	2838.3	2816.4	2804.8	2823.7	2812.1	2852.3	2822.5	2793.2
35°	3251.6	3291.8	3219.9	3177.3	3131.1	3091.5	3050.1	3060.5	3032.5	2988.0
37.5°	3609.5	3683.1	3607.1	3561.4	3476.2	3398.9	3283.2	3235.1	3209.0	3168.2
40°	3974.1	4016.1	3958.3	3919.3	3826.8	3705.7	3520.6	3419.0	3383.7	3344.1
42.5°	4242.5	4282.7	4251.7	4224.9	4152.4	4011.8	3772.6	3645.4	3594.3	3549.8
45°	4455.6	4485.4	4465.9	4475.6	4444.6	4308.3	4033.7	3888.3	3835.3	3781.1
47.5°	4541.4	4573.0	4604.1	4661.9	4714.9	4614.4	4314.3	4151.2	4095.2	4039.8
50°	4531.6	4563.9	4654.0	4776.9	4941.3	4907.8	4610.2	4431.2	4379.5	4316.2
52.5°	4453.7	4490.3	4605.9	4810.4	5072.2	5127.5	4911.5	4720.3	4671.6	4596.2
55°	4249.2	4271.1	4444.6	4734.3	5103.2	5280.9	5206.7	5028.3	4979.6	4874.3
57.5°	3870.0	3901.7	4154.3	4529.2	5025.3	5385.0	5466.0	5352.1	5305.3	5153.7
60°	3375.1	3425.7	3714.8	4184.7	4826.9	5384.4	5701.5	5670.5	5631.5	5428.8
62.5°	2815.2	2873.6	3151.8	3697.7	4479.9	5231.6	5848.8	5937.1	5917.0	5682.7
65°	2162.0	2202.2	2479.2	3067.8	3940.0	4903.5	5865.9	6119.1	6122.7	5875.6
67.5°	1439.5	1555.2	1795.6	2302.0	3216.9	4367.3	5716.1	6148.9	6184.2	5942.0
70°	702.4	854.6	1090.2	1496.1	2302.0	3545.0	5324.8	5904.2	5982.7	5748.4
72.5°	291.6	340.9	469.3	738.3	1321.5	2392.1	4538.3	5240.8	5386.2	5093.5
75°	196.6	213.0	268.4	378.6	602.0	1179.6	3272.9	3907.7	4142.1	3846.9
77.5°	151.6	161.9	195.4	264.8	357.9	446.2	1751.8	2355.0	2476.1	2292.3
80°	119.3	127.2	146.1	193.0	253.8	238.6	597.1	1067.0	1137.0	953.8
82.5°	103.5	106.5	104.7	130.9	168.6	139.4	196.0	393.8	434.6	315.3
85°	74.9	83.4	87.0	81.0	89.5	70.6	80.3	139.4	153.4	137.0
87.5°	30.4	45.0	55.4	52.3	32.9	20.1	25.0	40.8	46.9	51.1
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°
1284.9	0°	1284.9	1284.9	1284.9	1284.9	1284.9	1284.9	1284.9	1284.9	1284.9	1284.9
1285.5	2.5°	1286.1	1290.4	1293.5	1297.1	1299.5	1303.2	1310.5	1314.8	1315.4	1318.4
1295.3	5°	1297.7	1303.8	1310.5	1320.2	1331.2	1340.3	1354.3	1364.1	1367.7	1370.8
1319.0	7.5°	1322.7	1331.2	1343.4	1360.4	1376.2	1388.4	1405.4	1417.0	1428.6	1432.8
1356.8	10°	1359.8	1372.0	1389.6	1412.8	1429.8	1445.6	1463.3	1473.0	1484.6	1489.4
1401.8	12.5°	1406.1	1418.8	1442.0	1474.2	1490.1	1501.0	1507.1	1504.7	1507.1	1511.4
1456.0	15°	1459.0	1473.0	1499.2	1533.9	1544.8	1535.1	1521.7	1509.5	1507.7	1508.9
1521.7	17.5°	1521.7	1532.1	1562.5	1591.7	1583.8	1543.6	1514.4	1494.9	1485.2	1482.1
1605.7	20°	1609.4	1609.4	1634.3	1652.6	1599.6	1531.4	1485.8	1454.1	1434.1	1425.5
1720.1	22.5°	1715.9	1706.1	1722.0	1709.2	1596.6	1497.4	1434.1	1379.3	1348.8	1336.7
1880.2	25°	1851.0	1839.4	1835.2	1756.1	1574.7	1443.2	1340.3	1274.0	1247.2	1240.5
2110.9	27.5°	2054.9	2025.7	1970.3	1781.6	1534.5	1358.0	1230.8	1169.3	1154.1	1154.7
2407.3	30°	2326.4	2268.0	2132.2	1785.9	1468.8	1237.5	1118.8	1074.9	1067.6	1070.7
2656.3	32.5°	2577.8	2522.4	2297.8	1766.4	1367.7	1119.4	1018.3	989.1	978.2	981.8
2846.2	35°	2775.0	2759.8	2451.2	1739.0	1243.5	1008.6	928.2	903.3	882.0	877.1
3025.2	37.5°	2961.2	2955.2	2566.2	1700.7	1120.6	930.1	855.8	822.9	791.9	774.9
3223.0	40°	3165.8	3159.7	2641.7	1641.6	1011.6	861.9	790.7	747.5	709.1	678.1
3447.0	42.5°	3395.8	3359.9	2677.6	1557.0	919.1	804.1	737.7	679.3	628.8	600.2
3700.2	45°	3647.2	3566.3	2677.0	1449.3	841.2	751.1	681.1	598.3	551.5	524.7
3960.1	47.5°	3913.8	3763.5	2644.1	1330.0	765.7	692.7	593.5	530.2	499.1	482.7
4242.5	50°	4189.0	3947.9	2588.1	1193.0	688.4	626.3	538.7	495.5	471.7	456.5
4522.5	52.5°	4447.6	4115.3	2520.6	1037.8	609.9	561.8	514.3	480.9	455.9	438.9
4794.0	55°	4688.1	4259.6	2425.0	878.9	546.0	518.6	502.8	474.8	446.2	426.1
5069.7	57.5°	4901.7	4353.3	2260.0	729.8	500.3	488.8	490.6	464.4	431.6	414.5
5341.2	60°	5079.5	4422.1	2016.0	591.6	463.2	459.6	471.7	444.9	406.6	387.1
5570.7	62.5°	5186.0	4420.9	1716.5	484.5	431.6	432.8	446.8	420.6	381.6	363.4
5690.6	65°	5176.8	4312.5	1387.8	414.5	401.1	402.3	420.6	393.8	360.9	350.0
5630.3	67.5°	4993.6	4048.3	1064.6	368.9	367.6	373.1	394.4	375.6	348.2	346.9
5271.2	70°	4497.6	3499.9	766.9	332.3	332.9	340.9	368.9	364.0	341.5	343.9
4431.8	72.5°	3606.4	2668.5	514.9	294.0	294.6	307.4	344.5	354.9	334.8	367.0
3144.5	75°	2401.9	1664.1	331.1	253.2	253.8	270.3	323.2	337.2	316.5	365.8
1636.1	77.5°	1154.1	748.1	239.8	213.0	213.0	228.3	279.4	301.9	269.6	284.3
525.9	80°	398.7	281.2	188.7	171.6	168.0	178.3	235.6	261.7	232.5	214.3
171.6	82.5°	157.0	146.1	151.6	133.3	121.1	127.8	183.2	216.1	171.0	154.6
96.8	85°	90.1	95.0	107.1	88.3	70.0	78.5	134.5	155.2	129.0	113.8
31.7	87.5°	24.3	33.5	49.3	45.7	31.7	33.5	63.9	85.8	74.3	57.2
0.0	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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180°
1284.9
1317.8
1370.1
1433.4
1491.9
1512.6
1513.2
1486.4
1423.7
1334.8
1241.7
1156.5
1081.0
986.7
880.8
775.5
681.1
602.0
523.5
479.0
451.0
431.6
418.2
403.6
378.6
357.9
349.4
348.8
343.3
371.9
368.9
260.5
200.9
154.0
116.3
59.0
0.0

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