

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: P847168

Luminaire Tested: **GLAN-SB3A-850-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847168
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-SB3A-850-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11564 lumens
Efficiency: N/A
Efficacy: 136.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

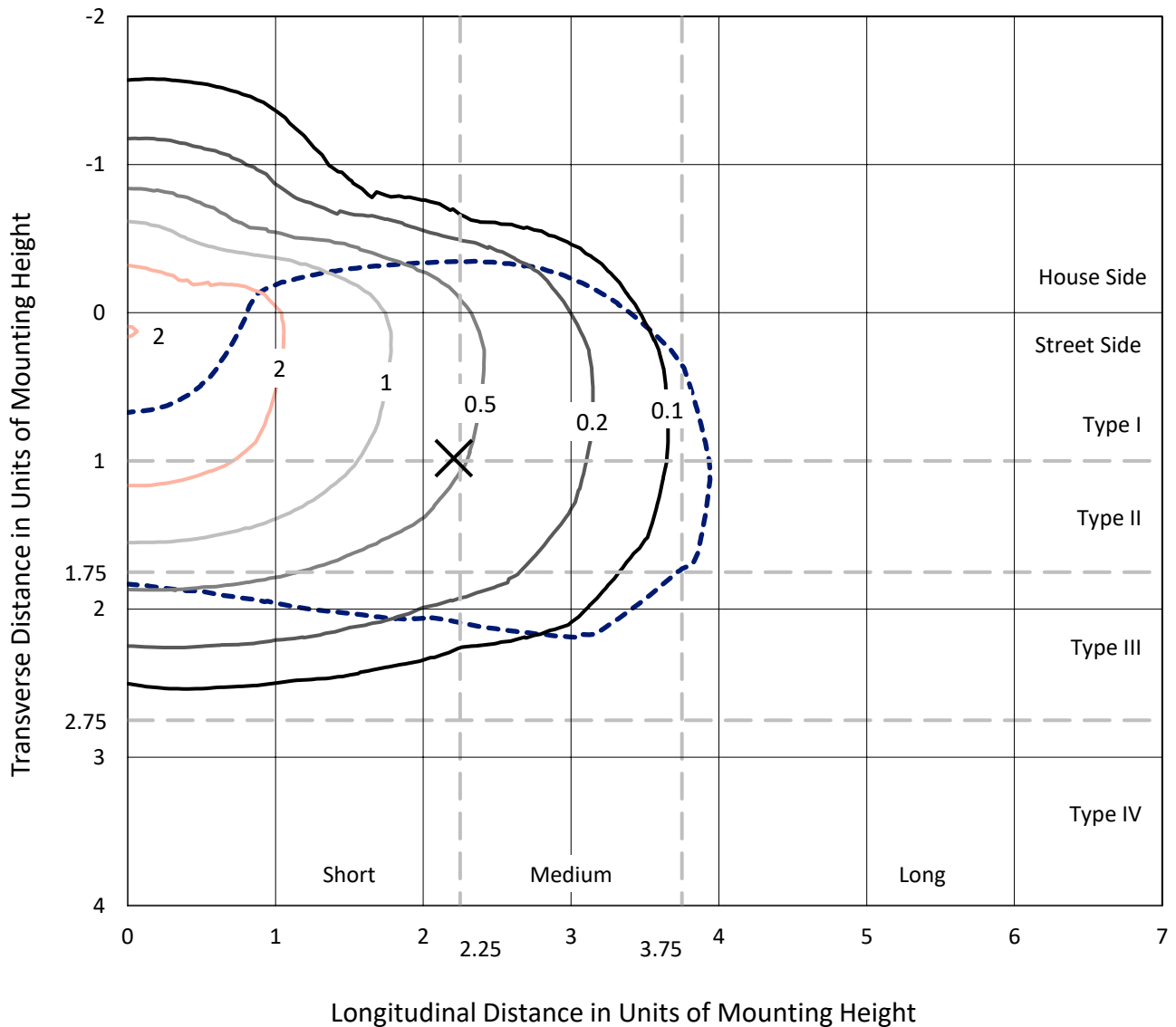
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

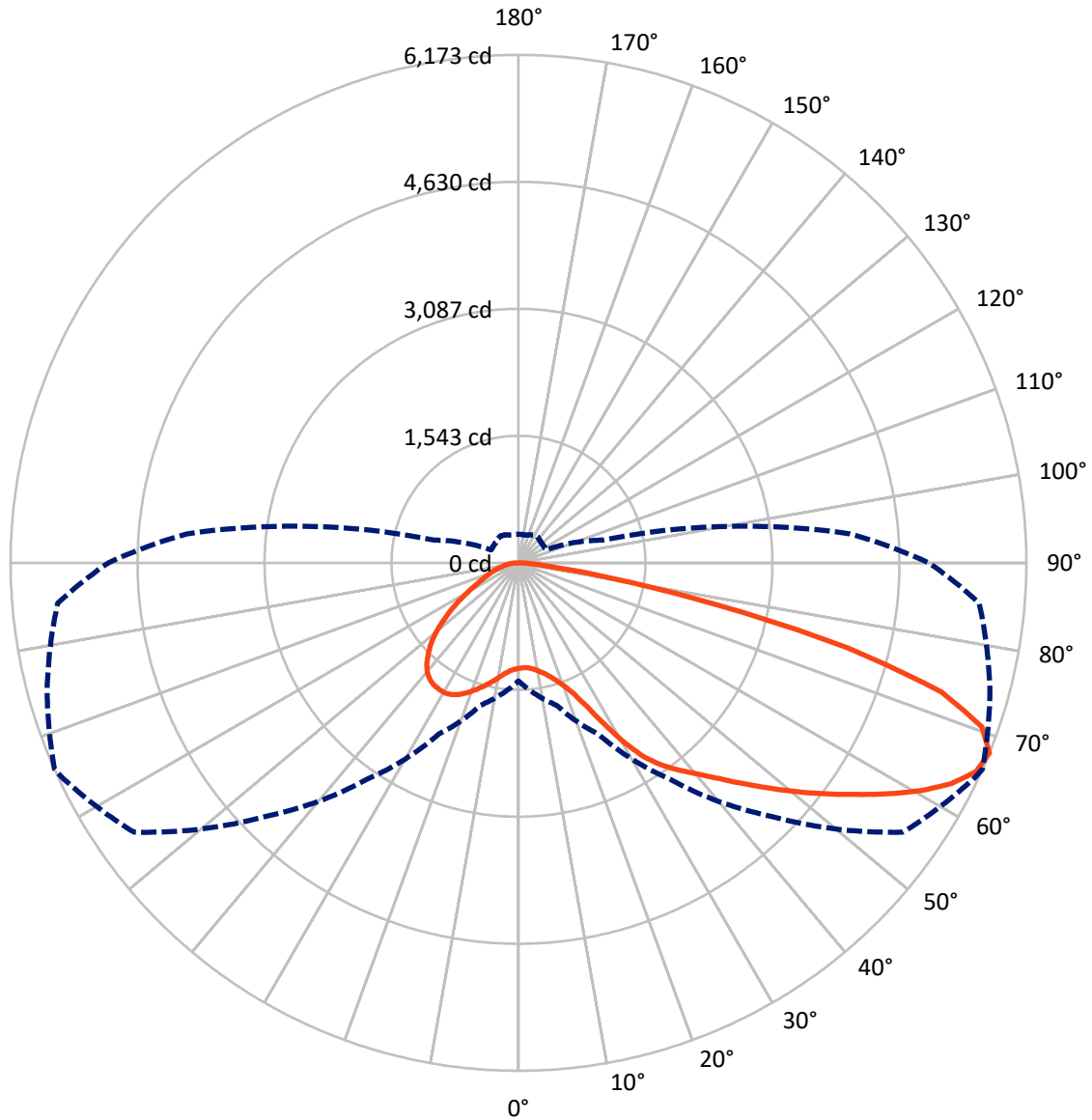
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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
House Side	Lumens	2875.4	0.0	2875.4
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	8688.6	0.0	8688.6
	% Fixture	75.1	0.0	75.1
Total	Lumens	11564.0	0.0	11564.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.2	1.1
10°-20°	420.1	3.6
20°-30°	809.8	7.0
30°-40°	1419.9	12.3
40°-50°	2110.9	18.3
50°-60°	2675.7	23.1
60°-70°	2618.1	22.6
70°-80°	1248.9	10.8
80°-90°	133.5	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°	11564.0	100.0
0°-180°	11564.0	100.0

Coefficient of Utilization



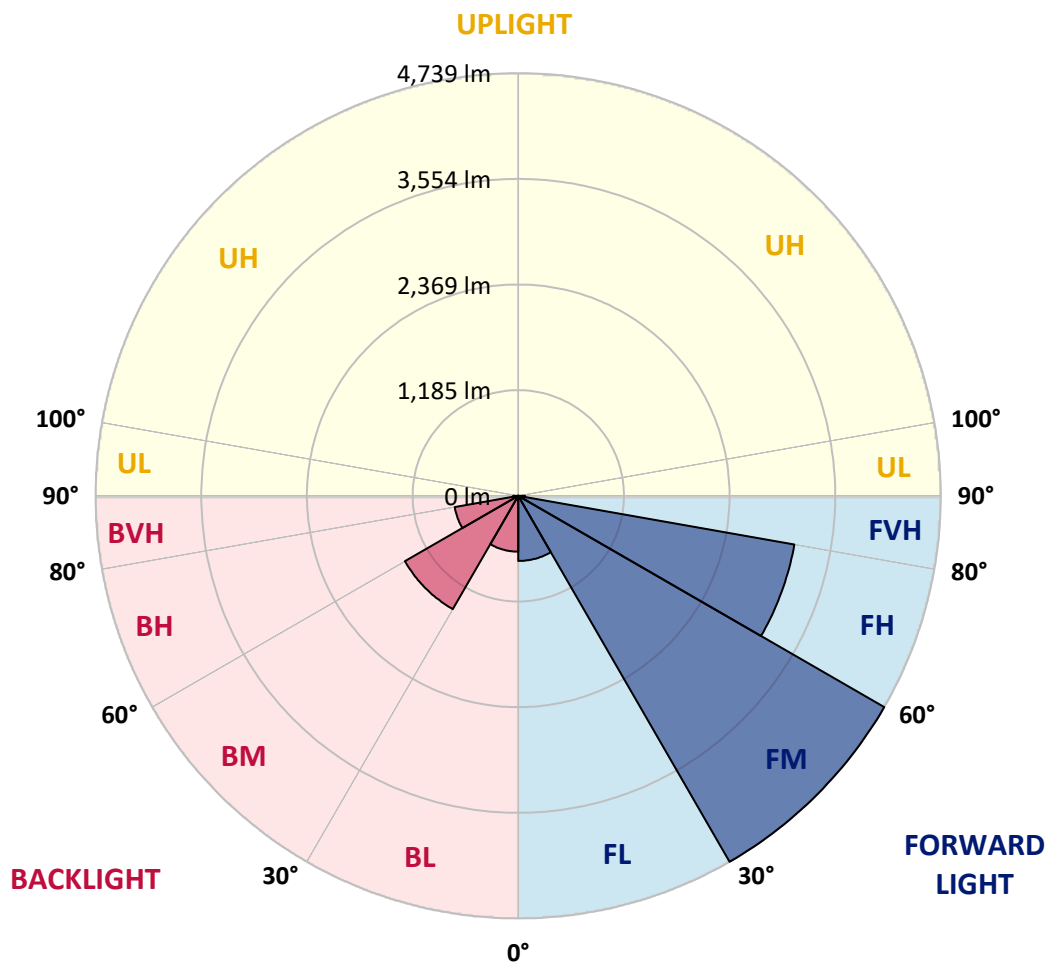
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	730.7	6.3			
FM (30°-60°)	4738.8	41.0			
FH (60°-80°)	3143.4	27.2			G2/5000
FVH (80°-90°)	75.7	0.7			G1/100
BL (0°-30°)	626.4	5.4	B2/1000		
BM (30°-60°)	1467.6	12.7	B2/2500		
BH (60°-80°)	723.6	6.3	B2/1000		G2/1000
BVH (80°-90°)	57.8	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°	1282.6	1282.6	1282.6	1282.6	1282.6	1282.6	1282.6	1282.6	1282.6	1282.6
2.5°	1269.2	1276.5	1274.7	1271.7	1271.1	1272.3	1274.1	1275.9	1275.3	1278.3
5°	1265.6	1272.9	1272.3	1272.3	1274.7	1279.6	1282.6	1285.6	1282.6	1286.2
7.5°	1268.0	1273.5	1275.9	1278.3	1284.4	1293.5	1300.8	1307.5	1303.9	1308.1
10°	1299.0	1303.3	1305.7	1305.7	1309.9	1320.3	1327.6	1339.7	1336.7	1343.4
12.5°	1355.5	1359.8	1359.8	1357.3	1360.4	1367.1	1369.5	1382.9	1377.4	1388.3
15°	1424.8	1433.3	1426.6	1422.3	1423.6	1430.2	1429.6	1440.0	1434.5	1443.6
17.5°	1501.3	1512.3	1501.3	1500.7	1498.3	1505.6	1506.2	1515.3	1505.6	1512.3
20°	1591.9	1607.0	1597.9	1601.0	1595.5	1598.5	1601.6	1614.9	1599.8	1604.6
22.5°	1719.5	1737.7	1728.0	1739.5	1735.9	1733.4	1732.8	1756.5	1732.8	1734.6
25°	1905.4	1927.2	1910.2	1926.0	1926.0	1933.9	1943.0	1973.4	1933.9	1922.4
27.5°	2180.0	2201.9	2168.5	2178.2	2175.1	2194.6	2184.9	2260.2	2217.7	2198.8
30°	2510.5	2549.4	2486.2	2483.8	2480.7	2511.7	2525.7	2575.5	2532.4	2513.6
32.5°	2867.8	2908.5	2833.1	2811.3	2799.7	2818.6	2807.0	2847.1	2817.3	2788.2
35°	3245.7	3285.8	3214.1	3171.6	3125.4	3085.9	3044.6	3054.9	3027.0	2982.6
37.5°	3602.9	3676.5	3600.5	3554.9	3469.9	3392.7	3277.3	3229.3	3203.2	3162.5
40°	3966.9	4008.8	3951.1	3912.2	3819.9	3698.9	3514.2	3412.8	3377.5	3338.0
42.5°	4234.8	4274.9	4243.9	4217.2	4144.9	4004.6	3765.8	3638.8	3587.8	3543.4
45°	4447.5	4477.3	4457.8	4467.5	4436.5	4300.4	4026.4	3881.2	3828.4	3774.3
47.5°	4533.2	4564.7	4595.7	4653.5	4706.3	4606.1	4306.5	4143.7	4087.8	4032.5
50°	4523.4	4555.6	4645.6	4768.3	4932.3	4898.9	4601.8	4423.2	4371.5	4308.3
52.5°	4445.7	4482.1	4597.6	4801.7	5063.0	5118.3	4902.6	4711.8	4663.2	4587.8
55°	4241.5	4263.4	4436.5	4725.8	5093.9	5271.4	5197.2	5019.2	4970.6	4865.5
57.5°	3863.0	3894.6	4146.7	4521.0	5016.2	5375.3	5456.1	5342.4	5295.7	5144.4
60°	3369.0	3419.5	3708.1	4177.1	4818.1	5374.6	5691.2	5660.2	5621.3	5419.0
62.5°	2810.1	2868.4	3146.0	3691.0	4471.8	5222.1	5838.2	5926.3	5906.3	5672.4
65°	2158.1	2198.2	2474.7	3062.2	3932.9	4894.7	5855.2	6108.0	6111.6	5865.0
67.5°	1436.9	1552.4	1792.4	2297.9	3211.1	4359.4	5705.8	6137.8	6173.0	5931.2
70°	701.1	853.0	1088.2	1493.4	2297.9	3538.5	5315.1	5893.5	5971.9	5738.0
72.5°	291.0	340.2	468.4	737.0	1319.1	2387.8	4530.1	5231.3	5376.5	5084.2
75°	196.2	212.7	267.9	377.9	600.9	1177.5	3267.0	3900.7	4134.6	3839.9
77.5°	151.3	161.6	195.0	264.3	357.3	445.4	1748.6	2350.7	2471.6	2288.1
80°	119.1	127.0	145.8	192.6	253.4	238.2	596.0	1065.1	1135.0	952.1
82.5°	103.3	106.3	104.5	130.6	168.3	139.1	195.6	393.1	433.8	314.7
85°	74.7	83.2	86.9	80.8	89.3	70.5	80.2	139.1	153.1	136.7
87.5°	30.4	45.0	55.3	52.3	32.8	20.1	24.9	40.7	46.8	51.0
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°
1282.6	0°	1282.6	1282.6	1282.6	1282.6	1282.6	1282.6	1282.6	1282.6	1282.6	1282.6
1283.2	2.5°	1283.8	1288.1	1291.1	1294.8	1297.2	1300.8	1308.1	1312.4	1313.0	1316.0
1292.9	5°	1295.4	1301.4	1308.1	1317.8	1328.8	1337.9	1351.9	1361.6	1365.2	1368.3
1316.6	7.5°	1320.3	1328.8	1340.9	1357.9	1373.7	1385.9	1402.9	1414.4	1426.0	1430.2
1354.3	10°	1357.3	1369.5	1387.1	1410.2	1427.2	1443.0	1460.6	1470.3	1481.9	1486.7
1399.3	12.5°	1403.5	1416.3	1439.4	1471.6	1487.4	1498.3	1504.4	1501.9	1504.4	1508.6
1453.3	15°	1456.4	1470.3	1496.5	1531.1	1542.0	1532.3	1518.9	1506.8	1505.0	1506.2
1518.9	17.5°	1518.9	1529.3	1559.7	1588.8	1580.9	1540.8	1511.7	1492.2	1482.5	1479.5
1602.8	20°	1606.4	1606.4	1631.4	1649.6	1596.7	1528.7	1483.1	1451.5	1431.5	1423.0
1717.0	22.5°	1712.8	1703.0	1718.8	1706.1	1593.7	1494.6	1431.5	1376.8	1346.4	1334.2
1876.8	25°	1847.6	1836.1	1831.9	1752.9	1571.8	1440.6	1337.9	1271.7	1244.9	1238.2
2107.1	27.5°	2051.2	2022.0	1966.7	1778.4	1531.7	1355.5	1228.5	1167.2	1152.0	1152.6
2403.0	30°	2322.2	2263.8	2128.4	1782.6	1466.1	1235.2	1116.7	1073.0	1065.7	1068.7
2651.5	32.5°	2573.1	2517.8	2293.6	1763.2	1365.2	1117.3	1016.5	987.3	976.4	980.0
2841.0	35°	2770.0	2754.8	2446.7	1735.9	1241.3	1006.8	926.6	901.6	880.4	875.5
3019.7	37.5°	2955.9	2949.8	2561.6	1697.6	1118.6	928.4	854.3	821.4	790.5	773.4
3217.1	40°	3160.0	3153.9	2636.9	1638.6	1009.8	860.3	789.2	746.1	707.8	676.8
3440.7	42.5°	3389.7	3353.8	2672.7	1554.2	917.4	802.6	736.4	678.1	627.6	599.1
3693.5	45°	3640.6	3559.8	2672.1	1446.6	839.7	749.8	679.9	597.3	550.5	523.7
3952.9	47.5°	3906.7	3756.7	2639.3	1327.6	764.3	691.4	592.4	529.2	498.2	481.8
4234.8	50°	4181.4	3940.8	2583.4	1190.9	687.2	625.2	537.7	494.6	470.9	455.7
4514.3	52.5°	4439.6	4107.8	2516.0	1035.9	608.8	560.8	513.4	480.0	455.1	438.1
4785.3	55°	4679.6	4251.8	2420.6	877.3	545.0	517.7	501.9	473.9	445.4	425.3
5060.5	57.5°	4892.8	4345.4	2255.9	728.5	499.4	487.9	489.7	463.6	430.8	413.8
5331.5	60°	5070.3	4414.1	2012.3	590.6	462.4	458.7	470.9	444.1	405.9	386.4
5560.6	62.5°	5176.6	4412.9	1713.4	483.6	430.8	432.0	446.0	419.8	381.0	362.7
5680.3	65°	5167.5	4304.7	1385.3	413.8	400.4	401.6	419.8	393.1	360.3	349.4
5620.1	67.5°	4984.6	4041.0	1062.7	368.2	367.0	372.4	393.7	374.9	347.5	346.3
5261.6	70°	4489.4	3493.6	765.6	331.7	332.3	340.2	368.2	363.3	340.9	343.3
4423.8	72.5°	3599.9	2663.6	514.0	293.5	294.1	306.8	343.9	354.2	334.2	366.4
3138.8	75°	2397.5	1661.1	330.5	252.8	253.4	269.8	322.6	336.6	315.9	365.2
1633.2	77.5°	1152.0	746.7	239.4	212.7	212.7	227.8	278.9	301.4	269.2	283.7
524.9	80°	398.0	280.7	188.3	171.3	167.7	178.0	235.1	261.3	232.1	213.9
171.3	82.5°	156.8	145.8	151.3	133.1	120.9	127.6	182.9	215.7	170.7	154.3
96.6	85°	89.9	94.8	106.9	88.1	69.9	78.4	134.3	154.9	128.8	113.6
31.6	87.5°	24.3	33.4	49.2	45.6	31.6	33.4	63.8	85.7	74.1	57.1
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°
1282.6
1315.4
1367.7
1430.8
1489.2
1509.8
1510.4
1483.7
1421.1
1332.4
1239.5
1154.4
1079.1
984.9
879.2
774.1
679.9
600.9
522.5
478.2
450.2
430.8
417.4
402.8
377.9
357.3
348.8
348.1
342.7
371.2
368.2
260.0
200.5
153.7
116.0
58.9
0.0

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