

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: P847348

Luminaire Tested: **GLAN-SB3B-927-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847348
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-SB3B-927-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10888 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

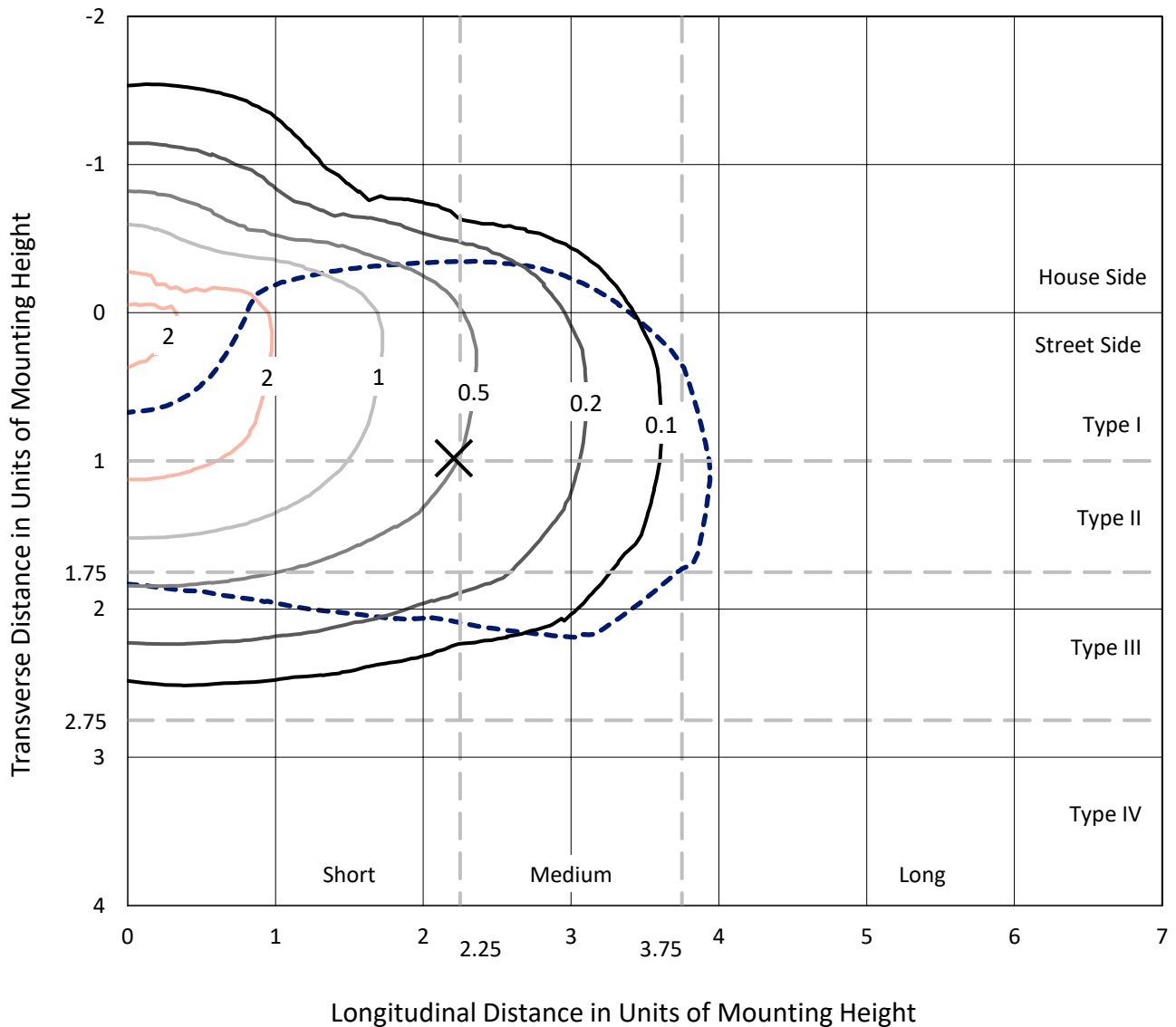
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

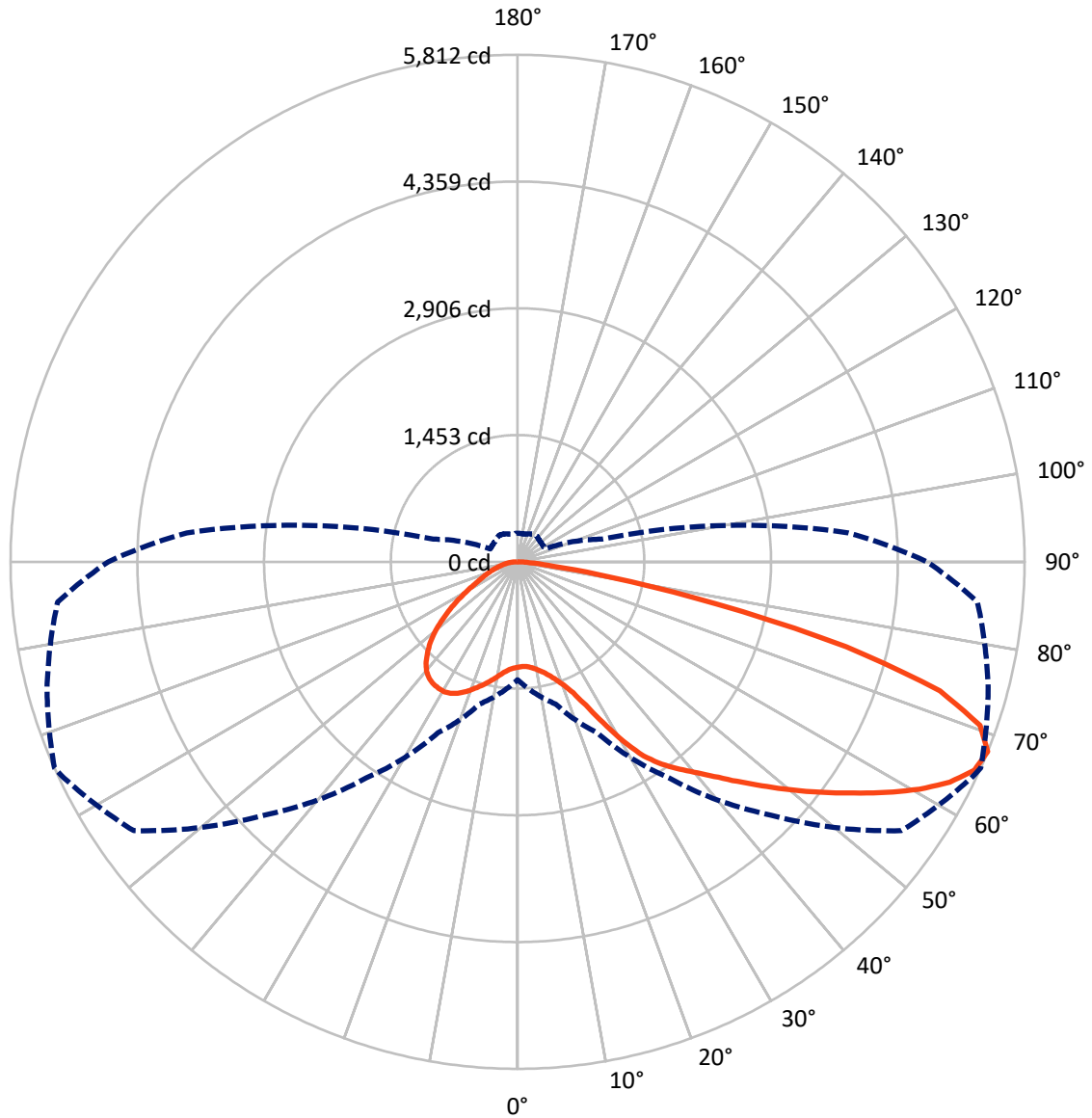
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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	2707.3	0.0	2707.3
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	8180.7	0.0	8180.7
	% Fixture	75.1	0.0	75.1
Total	Lumens	10888.0	0.0	10888.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.7	1.1
10°-20°	395.6	3.6
20°-30°	762.5	7.0
30°-40°	1336.9	12.3
40°-50°	1987.5	18.3
50°-60°	2519.3	23.1
60°-70°	2465.1	22.6
70°-80°	1175.9	10.8
80°-90°	125.7	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°	10888.0	100.0
0°-180°	10888.0	100.0

Coefficient of Utilization



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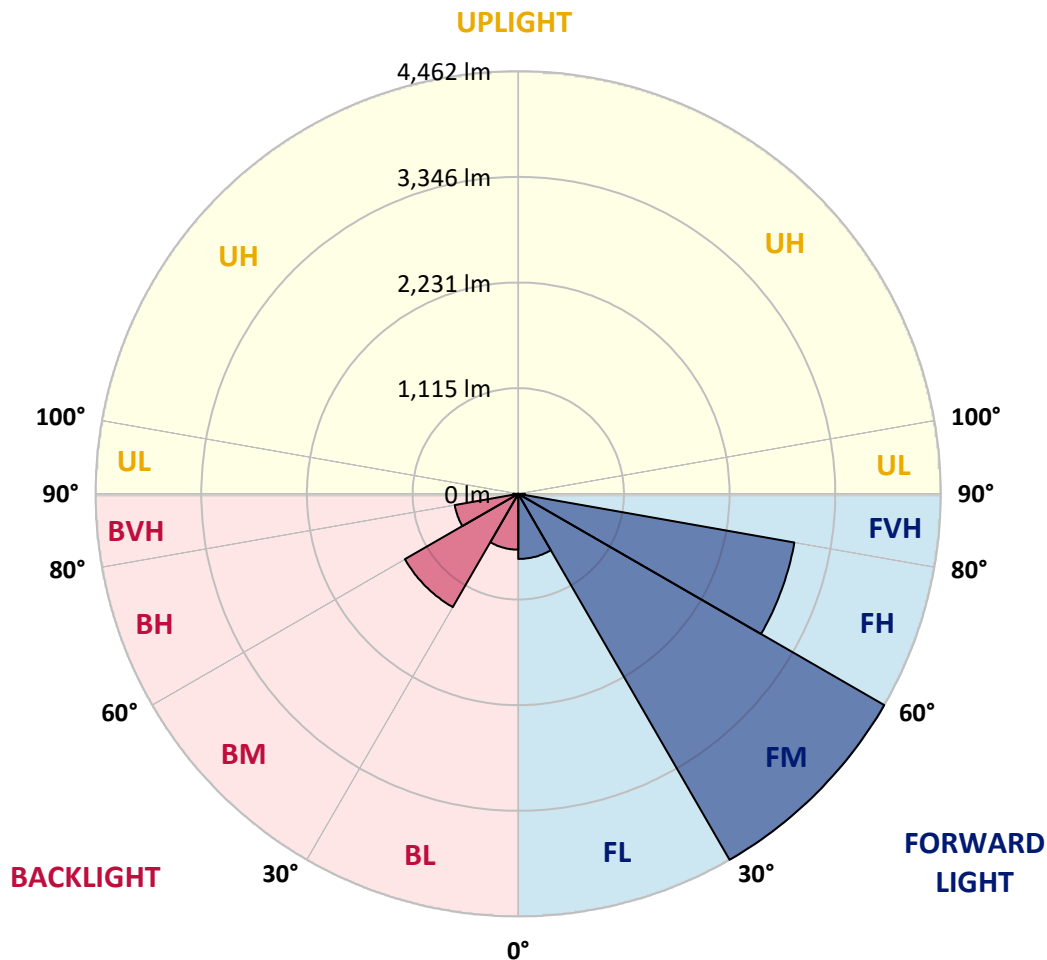
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	688.0	6.3			
FM (30°-60°)	4461.8	41.0			
FH (60°-80°)	2959.7	27.2			G2/5000
FVH (80°-90°)	71.3	0.7			G1/100
BL (0°-30°)	589.7	5.4	B2/1000		
BM (30°-60°)	1381.8	12.7	B2/2500		
BH (60°-80°)	681.3	6.3	B2/1000		G2/1000
BVH (80°-90°)	54.4	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°	1207.6	1207.6	1207.6	1207.6	1207.6	1207.6	1207.6	1207.6	1207.6	1207.6
2.5°	1195.0	1201.9	1200.2	1197.3	1196.8	1197.9	1199.6	1201.3	1200.8	1203.6
5°	1191.6	1198.5	1197.9	1197.9	1200.2	1204.8	1207.6	1210.5	1207.6	1211.1
7.5°	1193.9	1199.0	1201.3	1203.6	1209.3	1217.9	1224.8	1231.1	1227.6	1231.6
10°	1223.1	1227.1	1229.4	1229.4	1233.4	1243.1	1250.0	1261.4	1258.5	1264.8
12.5°	1276.3	1280.3	1280.3	1278.0	1280.8	1287.1	1289.4	1302.0	1296.9	1307.2
15°	1341.5	1349.5	1343.2	1339.2	1340.3	1346.6	1346.1	1355.8	1350.6	1359.2
17.5°	1413.6	1423.9	1413.6	1413.0	1410.7	1417.6	1418.1	1426.7	1417.6	1423.9
20°	1498.8	1513.1	1504.5	1507.4	1502.2	1505.1	1508.0	1520.5	1506.2	1510.8
22.5°	1618.9	1636.1	1626.9	1637.8	1634.4	1632.1	1631.5	1653.8	1631.5	1633.2
25°	1794.0	1814.6	1798.6	1813.4	1813.4	1820.9	1829.5	1858.1	1820.9	1810.0
27.5°	2052.6	2073.2	2041.7	2050.8	2048.0	2066.3	2057.1	2128.1	2088.0	2070.3
30°	2363.8	2400.4	2340.9	2338.6	2335.7	2364.9	2378.1	2425.0	2384.4	2366.6
32.5°	2700.1	2738.5	2667.5	2646.9	2636.1	2653.8	2642.9	2680.7	2652.7	2625.2
35°	3056.0	3093.7	3026.2	2986.2	2942.7	2905.5	2866.6	2876.3	2850.0	2808.3
37.5°	3392.3	3461.5	3390.0	3347.1	3267.0	3194.4	3085.7	3040.5	3015.9	2977.6
40°	3735.0	3774.5	3720.1	3683.5	3596.6	3482.7	3308.8	3213.3	3180.1	3142.9
42.5°	3987.3	4025.0	3995.9	3970.7	3902.6	3770.5	3545.6	3426.1	3378.0	3336.3
45°	4187.5	4215.5	4197.2	4206.4	4177.2	4049.1	3791.1	3654.3	3604.6	3553.6
47.5°	4268.2	4297.9	4327.1	4381.4	4431.2	4336.8	4054.8	3901.5	3848.8	3796.8
50°	4259.0	4289.3	4374.0	4489.5	4644.0	4612.5	4332.8	4164.6	4116.0	4056.5
52.5°	4185.8	4220.1	4328.8	4521.0	4767.0	4819.1	4616.0	4436.3	4390.6	4319.6
55°	3993.6	4014.2	4177.2	4449.5	4796.2	4963.2	4893.4	4725.8	4680.0	4581.1
57.5°	3637.2	3666.9	3904.3	4256.7	4722.9	5061.0	5137.1	5030.1	4986.1	4843.6
60°	3172.1	3219.6	3491.3	3932.9	4536.5	5060.5	5358.5	5329.3	5292.7	5102.2
62.5°	2645.8	2700.7	2962.1	3475.3	4210.4	4916.9	5496.9	5579.9	5561.0	5340.8
65°	2032.0	2069.7	2330.0	2883.2	3703.0	4608.5	5513.0	5750.9	5754.4	5522.1
67.5°	1352.9	1461.6	1687.6	2163.5	3023.3	4104.5	5372.2	5779.0	5812.2	5584.5
70°	660.2	803.2	1024.6	1406.1	2163.5	3331.7	5004.4	5549.0	5622.8	5402.6
72.5°	274.0	320.4	441.1	693.9	1241.9	2248.2	4265.3	4925.5	5062.2	4787.0
75°	184.8	200.2	252.3	355.8	565.8	1108.7	3076.0	3672.6	3892.9	3615.4
77.5°	142.4	152.2	183.6	248.8	336.4	419.3	1646.4	2213.3	2327.1	2154.4
80°	112.1	119.6	137.3	181.3	238.5	224.2	561.2	1002.8	1068.6	896.4
82.5°	97.3	100.1	98.4	123.0	158.5	131.0	184.2	370.1	408.5	296.3
85°	70.4	78.4	81.8	76.1	84.1	66.4	75.5	131.0	144.2	128.7
87.5°	28.6	42.3	52.1	49.2	30.9	18.9	23.5	38.3	44.0	48.1
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°
1207.6	0°	1207.6	1207.6	1207.6	1207.6	1207.6	1207.6	1207.6	1207.6	1207.6	1207.6
1208.2	2.5°	1208.8	1212.8	1215.6	1219.1	1221.4	1224.8	1231.6	1235.7	1236.2	1239.1
1217.3	5°	1219.6	1225.4	1231.6	1240.8	1251.1	1259.7	1272.8	1282.0	1285.4	1288.3
1239.7	7.5°	1243.1	1251.1	1262.5	1278.6	1293.4	1304.9	1320.9	1331.8	1342.6	1346.6
1275.1	10°	1278.0	1289.4	1306.0	1327.8	1343.8	1358.6	1375.2	1384.4	1395.3	1399.8
1317.5	12.5°	1321.5	1333.5	1355.2	1385.5	1400.4	1410.7	1416.4	1414.1	1416.4	1420.4
1368.4	15°	1371.2	1384.4	1409.0	1441.6	1451.9	1442.7	1430.2	1418.7	1417.0	1418.1
1430.2	17.5°	1430.2	1439.9	1468.5	1495.9	1488.5	1450.7	1423.3	1405.0	1395.8	1393.0
1509.1	20°	1512.5	1512.5	1536.0	1553.1	1503.4	1439.3	1396.4	1366.7	1347.8	1339.8
1616.6	22.5°	1612.6	1603.5	1618.4	1606.4	1500.5	1407.3	1347.8	1296.3	1267.7	1256.2
1767.1	25°	1739.6	1728.8	1724.8	1650.4	1479.9	1356.4	1259.7	1197.3	1172.2	1165.9
1983.9	27.5°	1931.3	1903.8	1851.8	1674.4	1442.2	1276.3	1156.7	1098.9	1084.6	1085.2
2262.5	30°	2186.4	2131.5	2003.9	1678.4	1380.4	1163.0	1051.5	1010.3	1003.4	1006.3
2496.5	32.5°	2422.7	2370.6	2159.5	1660.1	1285.4	1052.0	957.1	929.6	919.3	922.7
2675.0	35°	2608.0	2593.7	2303.7	1634.4	1168.7	947.9	872.4	848.9	828.9	824.3
2843.1	37.5°	2783.1	2777.4	2411.8	1598.3	1053.2	874.1	804.3	773.4	744.3	728.2
3029.1	40°	2975.3	2969.6	2482.7	1542.9	950.8	810.0	743.1	702.5	666.5	637.3
3239.6	42.5°	3191.5	3157.8	2516.5	1463.3	863.8	755.7	693.3	638.4	590.9	564.1
3477.6	45°	3427.8	3351.7	2515.9	1362.1	790.6	705.9	640.1	562.3	518.3	493.1
3721.8	47.5°	3678.4	3537.1	2485.0	1250.0	719.7	651.0	557.8	498.3	469.1	453.6
3987.3	50°	3936.9	3710.4	2432.4	1121.2	647.0	588.7	506.3	465.7	443.3	429.0
4250.4	52.5°	4180.1	3867.7	2368.9	975.4	573.2	528.0	483.4	451.9	428.5	412.5
4505.6	55°	4406.0	4003.3	2279.1	826.1	513.1	487.4	472.5	446.2	419.3	400.4
4764.7	57.5°	4606.8	4091.4	2124.1	685.9	470.2	459.4	461.1	436.5	405.6	389.6
5019.8	60°	4773.9	4156.0	1894.7	556.0	435.3	431.9	443.3	418.2	382.1	363.8
5235.5	62.5°	4874.0	4154.9	1613.2	455.4	405.6	406.7	419.9	395.3	358.7	341.5
5348.2	65°	4865.4	4053.1	1304.3	389.6	377.0	378.1	395.3	370.1	339.2	328.9
5291.6	67.5°	4693.2	3804.8	1000.5	346.7	345.5	350.7	370.7	353.0	327.2	326.1
4954.1	70°	4227.0	3289.4	720.8	312.3	312.9	320.4	346.7	342.1	320.9	323.2
4165.2	72.5°	3389.5	2507.9	484.0	276.3	276.9	288.9	323.8	333.5	314.6	345.0
2955.3	75°	2257.4	1564.0	311.2	238.0	238.5	254.0	303.8	316.9	297.5	343.8
1537.7	77.5°	1084.6	703.1	225.4	200.2	200.2	214.5	262.6	283.7	253.4	267.2
494.3	80°	374.7	264.3	177.3	161.3	157.9	167.6	221.4	246.0	218.5	201.4
161.3	82.5°	147.6	137.3	142.4	125.3	113.8	120.1	172.2	203.1	160.7	145.3
91.0	85°	84.7	89.2	100.7	82.9	65.8	73.8	126.4	145.9	121.3	107.0
29.7	87.5°	22.9	31.5	46.3	42.9	29.7	31.5	60.1	80.7	69.8	53.8
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°
1207.6
1238.5
1287.7
1347.2
1402.1
1421.6
1422.1
1397.0
1338.1
1254.5
1167.0
1086.9
1016.0
927.3
827.8
728.8
640.1
565.8
492.0
450.2
423.9
405.6
393.0
379.3
355.8
336.4
328.4
327.8
322.6
349.5
346.7
244.8
188.8
144.7
109.3
55.5
0.0

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