

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: McGRAW-EDISON

Report Number: P948315

Luminaire Tested: **GALN-SB3B-927-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948315
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB3B-927-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10264 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

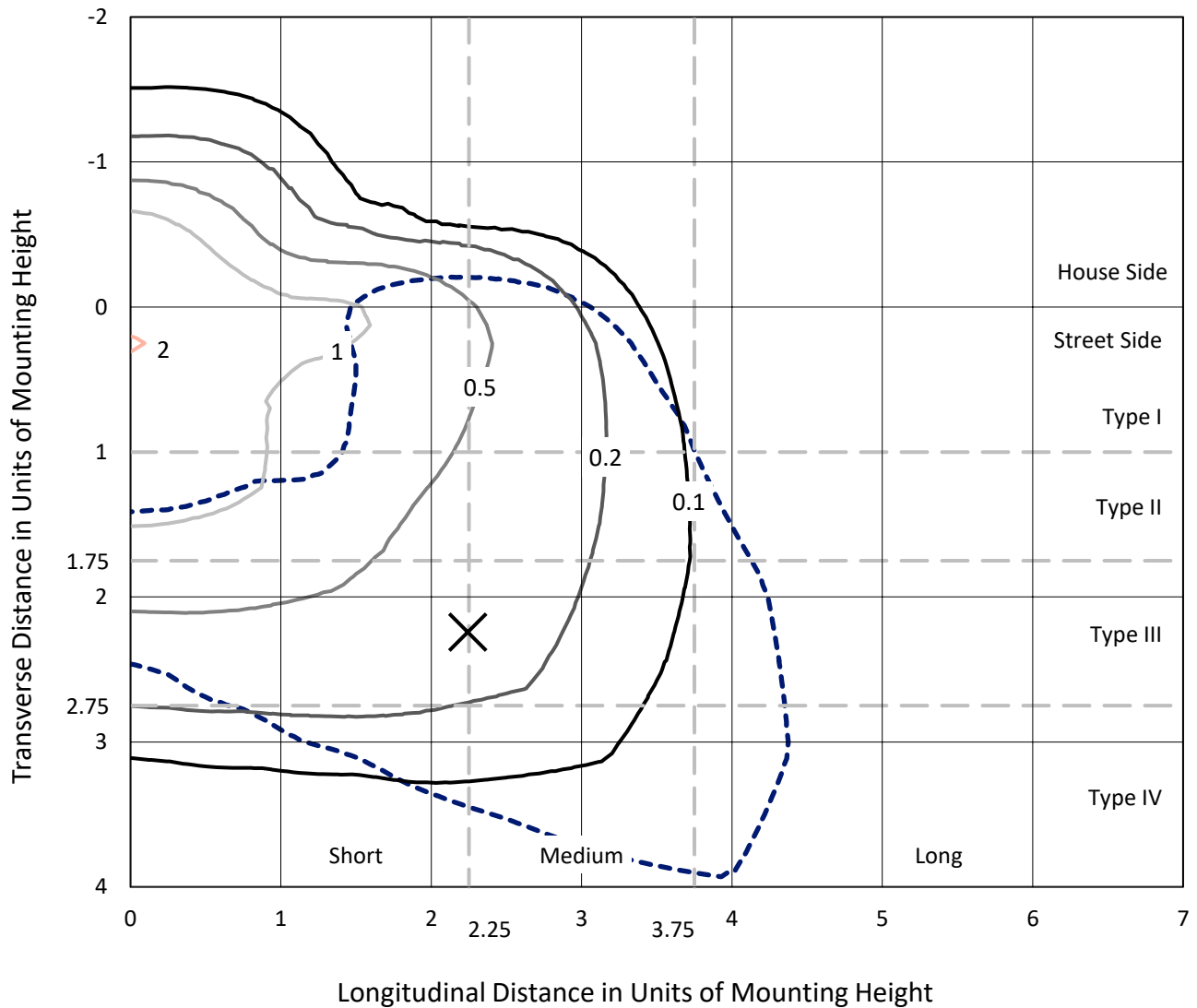
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

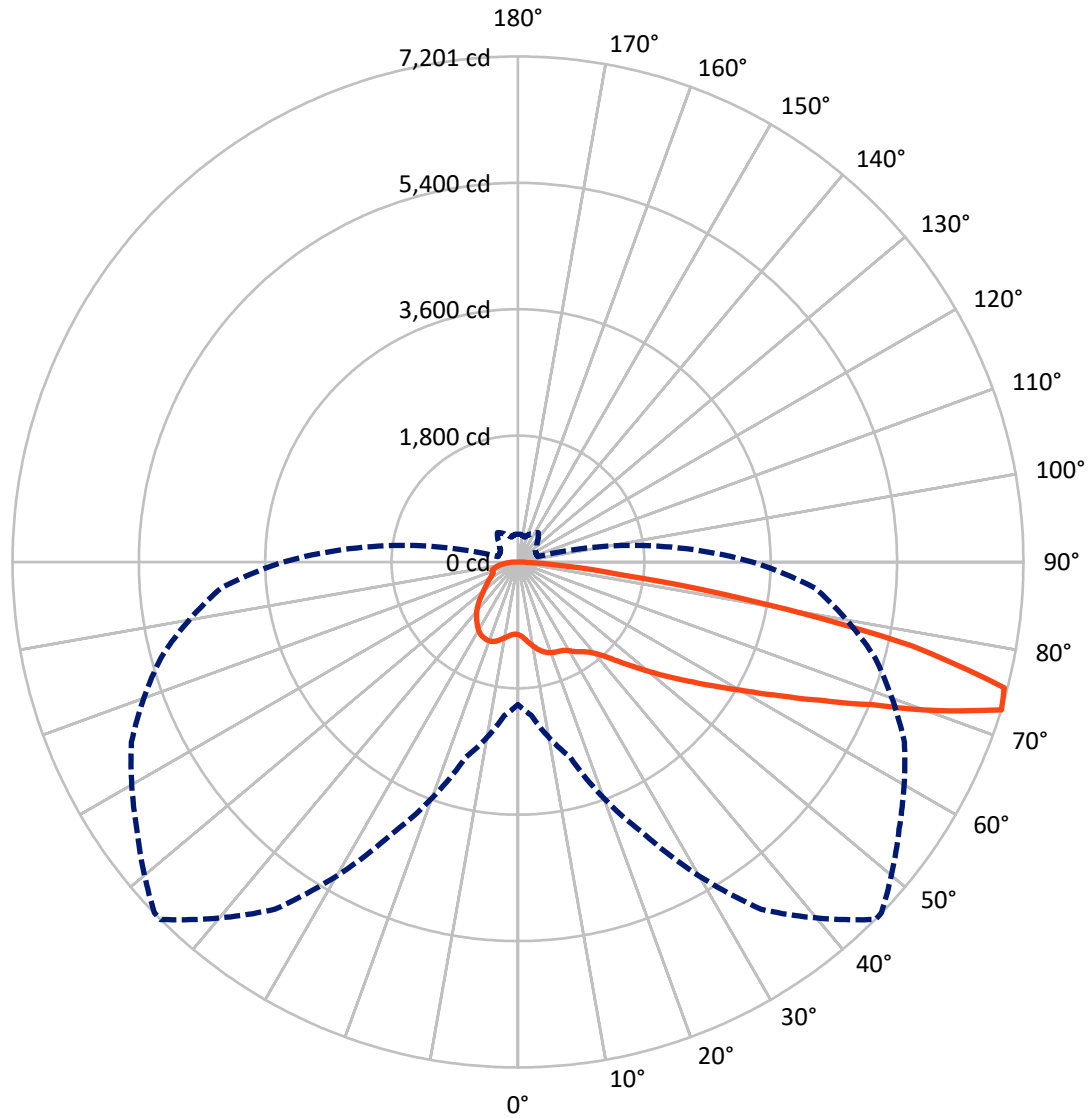
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2320.3	0.0	2320.3
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	7943.7	0.0	7943.7
	% Fixture	77.4	0.0	77.4
Total	Lumens	10264.0	0.0	10264.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.4	1.0
10°-20°	351.4	3.4
20°-30°	611.2	6.0
30°-40°	876.2	8.5
40°-50°	1233.8	12.0
50°-60°	1889.8	18.4
60°-70°	2737.7	26.7
70°-80°	2186.2	21.3
80°-90°	272.3	2.7
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°	10264.0	100.0
0°-180°	10264.0	100.0



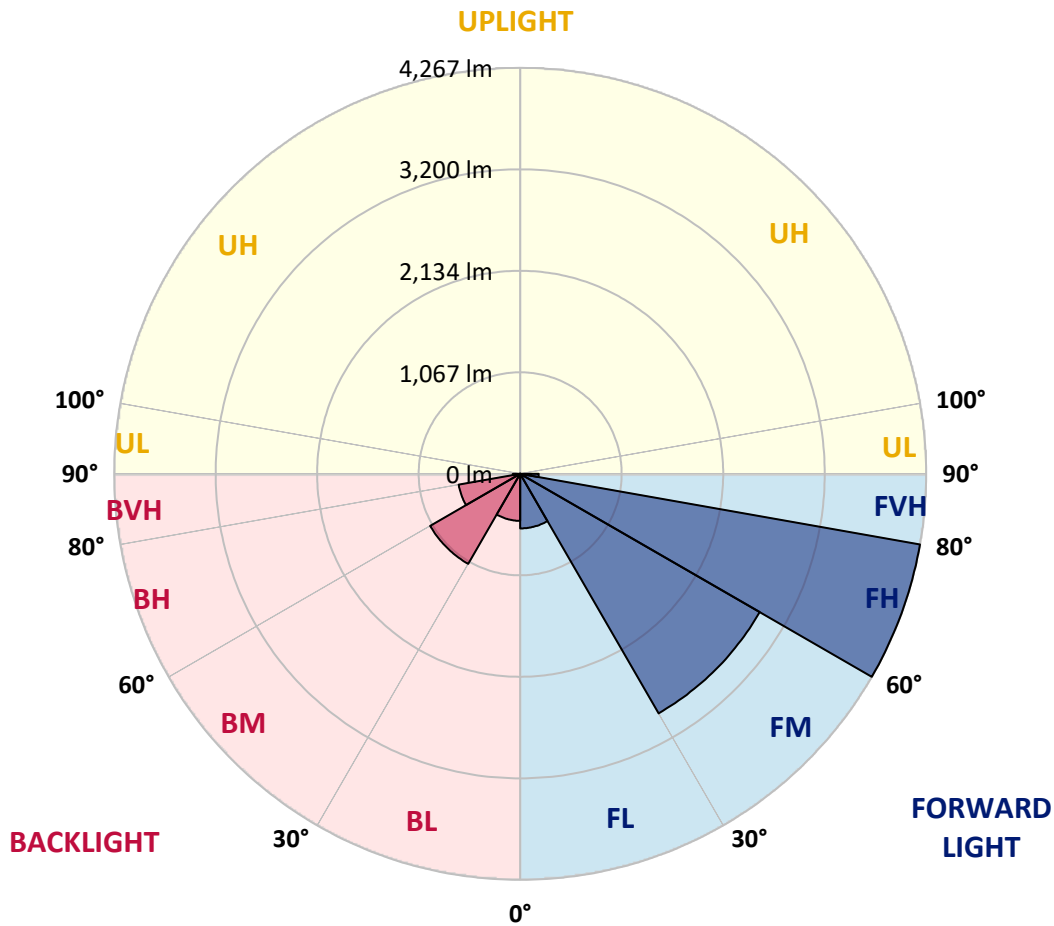
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	574.0	5.6			
FM (30°-60°)	2907.3	28.3			
FH (60°-80°)	4267.0	41.6			G2/5000
FVH (80°-90°)	195.3	1.9			G2/225
BL (0°-30°)	494.0	4.8	B1/500		
BM (30°-60°)	1092.6	10.6	B2/2500		
BH (60°-80°)	656.8	6.4	B2/1000		G2/1000
BVH (80°-90°)	76.9	0.7			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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4
2.5°	1076.0	1083.0	1076.5	1070.6	1067.9	1060.9	1060.3	1056.0	1053.3	1045.7
5°	1151.1	1160.3	1149.5	1137.6	1126.8	1109.5	1107.4	1094.9	1080.9	1064.6
7.5°	1236.0	1244.1	1231.7	1213.9	1194.9	1166.3	1165.7	1143.0	1120.9	1093.3
10°	1310.1	1320.9	1304.2	1279.8	1256.0	1223.6	1219.8	1193.9	1165.7	1130.1
12.5°	1375.5	1383.1	1366.9	1337.1	1309.6	1277.1	1272.3	1243.6	1212.2	1171.7
15°	1427.4	1437.2	1415.5	1383.6	1354.5	1322.5	1318.2	1292.3	1260.9	1218.2
17.5°	1461.5	1469.6	1447.5	1411.8	1383.6	1357.2	1353.9	1332.3	1304.7	1261.4
20°	1474.5	1483.1	1459.9	1423.7	1397.7	1377.2	1375.5	1359.9	1340.9	1301.5
22.5°	1487.5	1495.6	1465.3	1427.4	1404.7	1391.8	1391.2	1380.9	1373.4	1340.9
25°	1539.9	1542.1	1501.5	1446.9	1414.5	1403.1	1402.6	1402.0	1405.3	1379.9
27.5°	1585.3	1584.8	1550.2	1498.8	1448.5	1424.7	1424.2	1429.6	1439.9	1418.8
30°	1651.8	1645.9	1604.8	1551.3	1505.3	1468.5	1465.3	1460.4	1468.5	1451.8
32.5°	1793.0	1774.0	1707.5	1612.4	1552.3	1524.2	1519.9	1489.6	1492.9	1482.6
35°	1995.2	1970.3	1881.6	1728.1	1610.7	1570.7	1568.6	1530.2	1523.7	1514.5
37.5°	2235.8	2205.0	2101.7	1895.7	1711.3	1624.8	1621.6	1587.0	1560.5	1550.7
40°	2477.5	2438.6	2353.1	2100.1	1859.5	1715.1	1704.8	1652.4	1622.1	1605.9
42.5°	2712.1	2679.7	2606.7	2329.3	2042.2	1847.0	1824.3	1734.6	1711.9	1696.7
45°	2919.8	2890.6	2837.0	2574.3	2256.3	2026.5	2004.4	1857.8	1850.8	1850.8
47.5°	3088.5	3082.0	3025.2	2824.1	2508.8	2230.9	2192.5	2029.2	2048.2	2077.4
50°	3275.6	3257.7	3197.2	3070.1	2805.7	2465.0	2433.7	2239.6	2310.4	2390.4
52.5°	3447.5	3457.2	3389.6	3326.4	3140.9	2726.2	2671.1	2487.8	2640.8	2773.2
55°	3624.3	3624.8	3605.9	3597.3	3492.4	3014.9	2954.4	2786.2	3029.5	3193.9
57.5°	3790.3	3791.4	3819.5	3895.7	3900.1	3348.0	3279.3	3152.8	3461.6	3629.2
60°	3938.4	3946.0	4022.8	4201.2	4258.5	3729.7	3664.9	3585.9	3908.2	4076.9
62.5°	3988.2	4015.8	4186.6	4440.2	4612.7	4198.0	4134.2	4087.1	4377.5	4534.3
65°	3903.8	3967.1	4297.5	4637.6	4977.1	4754.4	4691.1	4639.7	4865.2	5012.8
67.5°	3696.8	3778.4	4291.0	4844.7	5419.4	5423.7	5364.8	5244.2	5388.1	5444.8
70°	3151.2	3273.4	3913.0	4922.0	5927.1	6339.2	6282.4	5972.0	5909.8	5635.2
72.5°	2030.3	2194.7	2881.4	4285.6	6040.1	7200.5	7197.2	6629.0	6074.7	5265.3
75°	740.8	841.3	1338.8	2690.0	5070.1	7156.7	7177.8	6516.5	5545.4	4067.1
77.5°	269.8	295.2	436.9	1033.8	3118.2	5742.2	5786.0	5209.6	3947.1	2041.1
80°	141.7	155.7	223.8	401.2	1336.1	3410.2	3478.9	3096.0	1855.1	614.8
82.5°	78.4	84.9	125.4	217.9	601.8	1458.3	1499.4	1223.1	652.6	260.6
85°	42.2	44.9	58.9	119.0	294.1	505.6	516.9	365.5	260.1	153.0
87.5°	12.4	15.1	19.5	37.8	115.2	113.5	116.3	72.5	102.7	77.3
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°
1035.4	0°	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4
1043.5	2.5°	1040.3	1038.7	1032.7	1030.0	1026.8	1026.2	1028.9	1029.5	1030.0	1030.6
1055.4	5°	1050.0	1044.6	1039.2	1036.0	1037.1	1037.6	1043.0	1046.8	1049.5	1051.7
1077.6	7.5°	1069.0	1064.6	1055.4	1054.9	1056.5	1061.4	1068.4	1077.1	1081.9	1085.7
1106.3	10°	1097.1	1089.0	1078.2	1079.8	1083.0	1090.0	1104.6	1111.7	1119.8	1126.8
1141.4	12.5°	1125.7	1118.7	1106.3	1107.4	1112.8	1125.2	1139.3	1147.9	1153.3	1158.7
1179.3	15°	1163.0	1150.6	1137.1	1137.1	1146.8	1160.3	1166.8	1173.9	1177.1	1183.0
1219.8	17.5°	1201.4	1185.2	1167.4	1166.3	1178.2	1184.7	1188.5	1189.5	1190.6	1197.1
1259.3	20°	1239.8	1222.0	1196.6	1194.4	1197.1	1196.0	1195.5	1194.4	1196.0	1204.1
1299.8	22.5°	1277.7	1257.1	1222.0	1212.2	1204.7	1194.4	1193.9	1193.3	1194.4	1202.5
1343.6	25°	1322.0	1297.1	1250.1	1220.9	1195.5	1181.4	1183.0	1183.6	1184.7	1191.2
1389.1	27.5°	1370.1	1342.6	1276.0	1218.2	1172.2	1162.5	1159.8	1161.4	1165.2	1175.5
1434.5	30°	1418.3	1385.8	1299.8	1207.4	1143.0	1129.5	1120.9	1124.7	1136.5	1146.8
1473.9	32.5°	1462.0	1429.6	1318.8	1183.6	1105.7	1084.6	1073.3	1078.2	1090.0	1093.8
1517.7	35°	1513.4	1476.6	1326.9	1145.7	1065.2	1032.7	1017.6	1010.6	1016.5	1012.7
1569.1	37.5°	1570.7	1532.3	1325.8	1096.0	1017.6	980.3	959.2	932.7	920.3	907.3
1644.8	40°	1655.6	1600.5	1312.8	1036.0	958.7	924.6	886.7	841.9	813.8	788.3
1767.0	42.5°	1771.3	1695.1	1289.0	970.0	892.2	860.3	808.9	756.4	712.1	669.9
1952.5	45°	1943.8	1818.9	1259.3	899.7	820.2	788.9	733.2	674.3	624.0	569.9
2215.8	47.5°	2192.5	1985.4	1231.2	819.7	744.5	715.9	665.6	611.0	551.5	499.1
2596.4	50°	2534.3	2224.4	1205.2	741.8	669.9	648.3	608.3	552.6	492.6	450.4
3042.5	52.5°	2969.0	2549.4	1194.4	666.7	600.2	592.1	560.2	508.3	451.5	415.8
3562.7	55°	3468.0	2938.2	1194.4	594.8	539.1	541.8	519.6	471.5	422.3	390.4
4099.0	57.5°	3977.4	3331.8	1172.8	528.3	487.2	498.5	484.5	442.3	398.0	365.0
4663.0	60°	4446.7	3661.6	1085.2	467.7	441.2	459.1	449.9	413.6	359.6	332.0
5134.5	62.5°	4807.4	3847.6	916.5	419.6	403.4	423.9	419.0	375.8	352.5	341.2
5521.6	65°	4987.9	3817.3	700.7	376.9	371.5	403.4	393.1	391.5	373.1	360.1
5647.6	67.5°	4877.1	3556.7	508.3	345.5	353.1	384.4	423.9	430.4	396.3	370.9
5292.9	70°	4391.0	3085.2	378.5	315.8	329.8	385.0	483.4	450.4	388.8	359.0
4245.0	72.5°	3340.4	2300.7	293.6	284.4	299.5	387.7	509.9	441.2	367.1	396.9
2644.6	75°	1910.3	1263.1	235.7	246.0	261.7	362.3	496.4	417.4	350.4	364.4
1047.9	77.5°	728.3	485.5	194.7	208.2	210.3	316.3	474.7	415.8	333.6	325.5
314.1	80°	252.5	189.8	161.1	165.5	162.8	281.2	455.3	361.7	273.1	244.4
129.8	82.5°	103.3	94.6	127.6	122.2	115.7	218.4	367.7	295.8	223.3	197.4
62.7	85°	44.9	60.0	84.3	74.1	67.0	151.4	294.7	250.3	188.7	162.8
20.5	87.5°	9.2	22.7	35.7	33.5	34.6	101.1	209.3	177.9	133.6	100.0
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°
1035.4
1032.7
1052.7
1086.8
1125.2
1160.9
1185.2
1199.3
1207.4
1207.9
1199.8
1185.8
1158.2
1107.4
1024.6
915.4
790.0
666.1
563.4
493.1
447.7
413.1
387.1
359.6
327.7
337.4
355.8
366.6
354.2
393.6
364.4
296.8
236.3
195.2
162.2
78.4
0.0

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