

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: P852233

Luminaire Tested: **GLAN-SB2B-827-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852233
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2B-827-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8874 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

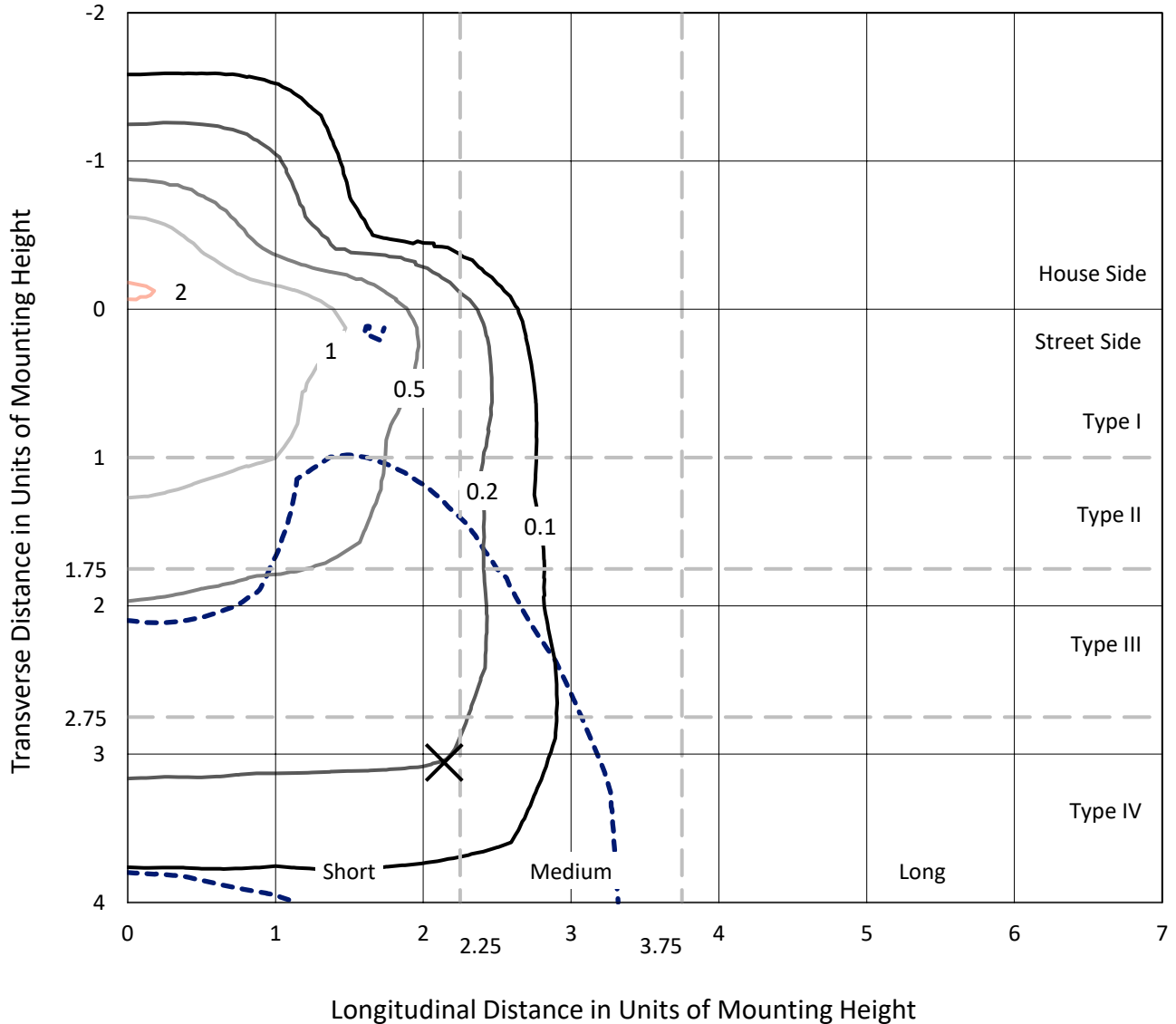
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

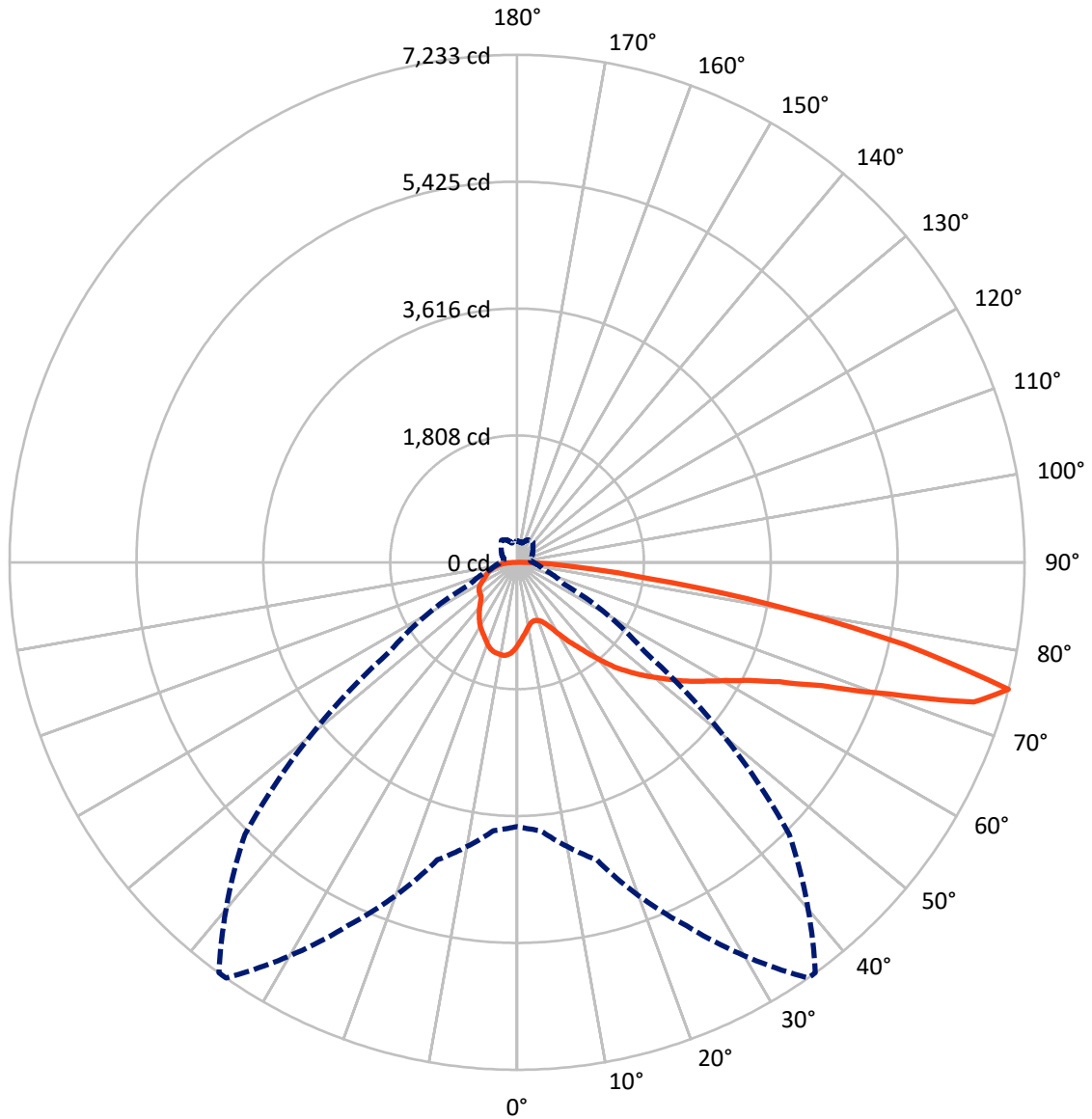
× Max cd
 - - - 1/2 Max cd



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 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2111.8	0.0	2111.8
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	6762.2	0.0	6762.2
	% Fixture	76.2	0.0	76.2
Total	Lumens	8874.0	0.0	8874.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.0	1.3
10°-20°	322.9	3.6
20°-30°	542.3	6.1
30°-40°	842.8	9.5
40°-50°	1251.0	14.1
50°-60°	1727.0	19.5
60°-70°	2095.3	23.6
70°-80°	1731.6	19.5
80°-90°	249.1	2.8
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°	8874.0	100.0
0°-180°	8874.0	100.0

Coefficient of Utilization

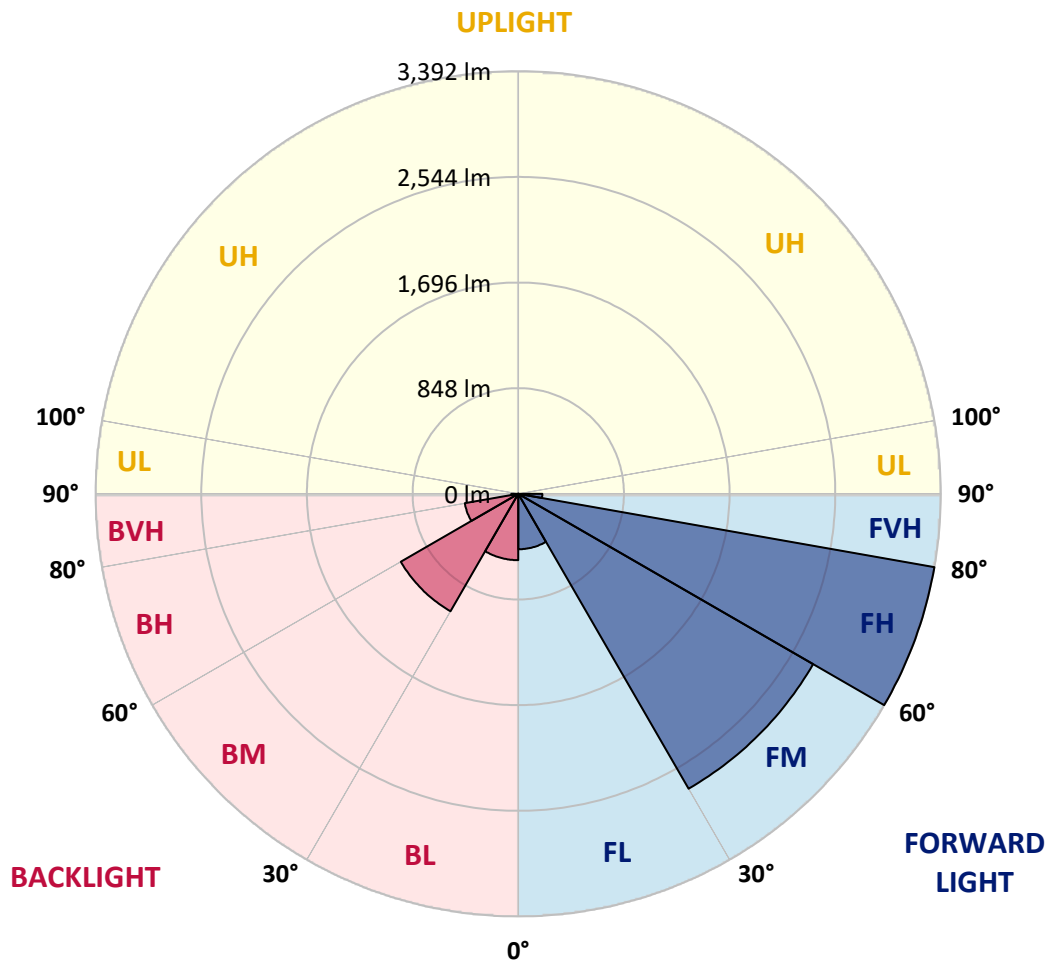


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	445.0	5.0			
FM (30°-60°)	2732.7	30.8			
FH (60°-80°)	3391.5	38.2			G2/5000
FVH (80°-90°)	193.0	2.2			G2/225
BL (0°-30°)	532.2	6.0	B2/1000		
BM (30°-60°)	1088.1	12.3	B2/2500		
BH (60°-80°)	435.4	4.9	B1/500		G1/500
BVH (80°-90°)	56.1	0.6			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°	36°	45°	55°	65°	75°
0°	1182.5	1182.5	1182.5	1182.5	1182.5	1182.5	1182.5	1182.5	1182.5	1182.5
2.5°	1090.4	1097.1	1100.0	1098.6	1105.8	1104.8	1114.9	1127.4	1144.6	1161.4
5°	1006.5	1013.7	1019.9	1025.7	1039.6	1043.9	1059.7	1083.7	1115.4	1147.5
7.5°	928.3	934.5	944.1	954.7	978.2	982.5	1008.9	1046.3	1090.4	1137.4
10°	864.5	870.7	880.8	892.8	922.0	927.3	960.9	1010.8	1068.3	1127.8
12.5°	837.1	839.0	844.8	856.8	882.2	885.6	922.5	979.6	1046.8	1120.6
15°	835.7	839.5	840.0	846.2	867.3	868.8	902.8	959.4	1033.3	1119.2
17.5°	850.1	852.9	848.6	852.5	870.2	872.6	899.5	949.9	1029.0	1125.4
20°	888.4	890.8	877.9	872.6	885.6	887.5	913.9	956.1	1033.3	1138.4
22.5°	970.0	971.4	939.8	918.2	919.2	920.1	943.1	981.5	1050.1	1161.9
25°	1097.1	1096.2	1045.8	1004.1	980.1	974.8	990.2	1022.8	1078.4	1193.1
27.5°	1245.8	1238.6	1188.3	1125.9	1073.6	1065.9	1062.6	1076.5	1118.7	1234.3
30°	1413.7	1407.0	1352.8	1271.3	1198.8	1186.4	1154.7	1147.5	1178.7	1290.5
32.5°	1598.0	1593.6	1528.9	1430.1	1333.2	1318.8	1265.5	1246.3	1270.8	1375.4
35°	1752.4	1748.6	1694.9	1593.2	1474.7	1456.9	1402.7	1381.1	1393.6	1484.3
37.5°	1892.0	1890.1	1844.1	1763.9	1641.6	1620.0	1559.1	1551.9	1549.5	1627.7
40°	2021.6	2016.8	1968.8	1926.6	1835.9	1816.2	1762.5	1756.3	1738.0	1804.2
42.5°	2165.0	2152.5	2083.0	2063.3	2038.8	2022.5	1990.4	1991.3	1951.0	2003.3
45°	2282.0	2274.9	2203.4	2191.9	2218.2	2211.5	2239.4	2246.5	2168.4	2212.0
47.5°	2407.7	2401.0	2340.6	2332.4	2403.9	2405.8	2504.2	2506.6	2380.4	2428.8
50°	2562.7	2553.1	2493.1	2503.2	2583.3	2590.5	2770.4	2754.1	2575.6	2649.0
52.5°	2664.9	2670.6	2657.7	2674.0	2783.4	2790.1	3032.3	2990.6	2769.0	2866.4
55°	2740.2	2751.7	2792.0	2829.4	2994.4	3001.2	3279.4	3215.6	2929.2	3067.8
57.5°	2837.1	2820.8	2896.1	2969.0	3195.0	3212.7	3519.7	3432.4	3071.2	3241.5
60°	2976.2	2964.7	3023.2	3131.2	3419.5	3447.8	3774.0	3627.7	3175.3	3379.2
62.5°	3258.3	3229.5	3238.6	3334.1	3702.5	3739.9	4060.9	3798.0	3227.1	3432.9
65°	3680.0	3630.6	3584.5	3650.7	4101.2	4138.1	4384.7	3931.8	3207.9	3328.8
67.5°	4211.0	4162.1	4105.5	4167.8	4688.3	4717.6	4784.3	4007.1	3056.8	2927.8
70°	4649.0	4630.8	4698.4	4955.1	5626.2	5627.2	5296.6	3944.8	2642.8	2075.8
72.5°	4591.0	4579.9	4936.4	5729.8	6808.2	6782.8	5781.6	3472.7	1780.3	936.4
75°	3766.3	3837.8	4390.0	5715.9	7232.8	7229.4	5484.7	2207.7	736.4	388.1
77.5°	2019.6	2132.9	2850.0	4220.1	5646.4	5731.3	3856.0	772.4	316.1	248.5
80°	658.7	757.5	1136.0	2148.7	3668.9	3653.1	1652.7	303.2	216.4	176.1
82.5°	279.7	291.2	507.5	1014.6	1882.9	1853.7	526.3	174.1	152.1	120.4
85°	109.4	122.3	224.0	469.2	815.5	797.8	190.0	86.4	97.4	78.7
87.5°	36.0	43.7	80.1	160.7	253.8	244.7	46.5	29.7	42.2	36.0
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°
1182.5	0°	1182.5	1182.5	1182.5	1182.5	1182.5	1182.5	1182.5	1182.5	1182.5	1182.5
1185.9	2.5°	1192.6	1200.3	1209.4	1222.8	1234.3	1243.9	1254.0	1260.2	1262.6	1269.8
1187.8	5°	1201.2	1218.0	1240.6	1262.6	1284.2	1297.2	1308.7	1314.4	1319.7	1323.6
1193.1	7.5°	1215.6	1237.2	1272.7	1301.5	1319.7	1330.3	1338.0	1336.0	1338.0	1338.9
1198.8	10°	1228.1	1258.3	1300.5	1327.9	1341.8	1342.3	1340.3	1333.6	1330.3	1330.8
1207.5	12.5°	1243.0	1276.5	1322.1	1345.1	1349.0	1338.4	1330.3	1318.8	1314.4	1312.5
1220.4	15°	1263.1	1301.5	1345.6	1354.3	1344.7	1331.2	1317.3	1298.6	1289.0	1281.3
1242.5	17.5°	1287.6	1329.8	1363.9	1357.6	1337.0	1314.9	1292.4	1264.1	1244.4	1236.2
1272.7	20°	1321.6	1359.5	1377.8	1350.4	1319.2	1285.7	1247.3	1212.7	1194.5	1186.4
1311.1	22.5°	1362.9	1399.4	1391.2	1338.0	1293.8	1240.1	1192.1	1166.7	1157.6	1151.8
1360.5	25°	1412.3	1443.5	1400.8	1319.7	1252.1	1179.6	1142.7	1134.5	1130.2	1125.9
1420.9	27.5°	1476.6	1493.4	1408.0	1292.9	1186.8	1115.4	1101.9	1103.4	1101.9	1094.7
1504.9	30°	1561.5	1558.1	1414.7	1249.2	1112.0	1057.3	1058.3	1064.5	1065.5	1060.7
1621.9	32.5°	1673.3	1639.2	1418.1	1192.6	1040.5	1006.5	1007.4	1014.1	1018.9	1010.8
1775.0	35°	1808.6	1733.7	1412.8	1121.6	985.4	958.0	950.8	952.7	954.2	946.5
1960.6	37.5°	1966.4	1839.7	1389.3	1042.9	939.8	910.5	895.2	882.2	874.5	867.3
2170.8	40°	2139.6	1955.4	1346.1	966.2	888.9	860.1	837.1	812.7	786.7	777.2
2393.3	42.5°	2320.9	2074.3	1293.8	892.8	830.4	806.9	782.4	746.9	708.1	688.4
2624.6	45°	2509.0	2196.2	1242.5	820.3	770.4	760.4	732.1	689.4	647.1	622.2
2856.3	47.5°	2693.2	2311.3	1167.2	747.4	714.3	725.3	703.3	663.9	616.9	577.6
3086.1	50°	2869.2	2419.2	1043.9	673.5	668.7	714.8	693.7	637.1	583.3	533.0
3311.5	52.5°	3043.9	2506.6	886.1	606.4	644.3	711.9	681.2	618.8	553.1	500.4
3523.6	55°	3192.1	2551.7	734.0	548.8	608.8	687.4	666.3	597.3	510.4	454.3
3668.9	57.5°	3276.5	2515.2	607.3	492.2	559.8	647.1	640.9	551.2	459.6	416.4
3697.2	60°	3240.1	2367.4	503.7	442.8	513.3	603.5	596.8	505.6	420.7	379.9
3545.6	62.5°	3039.1	2085.8	421.7	399.6	471.1	558.9	552.6	470.6	391.0	351.6
3143.2	65°	2634.2	1696.8	357.9	363.6	428.4	505.1	514.3	441.3	367.5	329.1
2431.7	67.5°	2009.1	1229.1	308.0	332.4	386.7	452.4	478.8	420.2	347.8	311.3
1407.0	70°	1145.1	698.0	265.8	302.2	349.7	403.4	451.4	403.4	326.7	296.5
527.2	72.5°	434.2	320.5	229.8	272.0	314.2	362.2	421.2	377.1	302.2	279.7
272.5	75°	231.7	195.2	193.3	236.5	273.4	321.9	383.3	351.2	284.0	295.5
188.5	77.5°	157.8	138.2	161.7	202.4	228.8	277.3	343.0	311.8	246.1	245.1
130.5	80°	109.4	97.9	131.4	163.1	177.0	233.1	299.3	267.7	200.5	187.1
80.6	82.5°	65.7	63.8	98.3	121.8	125.2	179.9	248.0	224.5	164.1	143.0
48.0	85°	36.0	37.9	62.8	71.5	72.9	125.7	194.3	173.7	126.2	106.0
17.3	87.5°	10.1	13.0	23.0	28.3	35.0	65.2	115.6	103.1	63.3	44.1
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°
1182.5
1269.4
1324.5
1340.3
1331.7
1311.6
1283.7
1236.7
1185.4
1152.8
1125.9
1096.2
1063.1
1014.6
951.8
872.1
781.5
690.8
620.3
573.3
528.7
494.6
449.5
410.6
374.2
345.4
322.9
305.6
292.6
275.8
305.1
226.0
178.9
143.9
107.0
44.1
0.0

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