

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: P852277

Luminaire Tested: **GLAN-SB2C-927-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852277  
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-SB2C-927-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9533 lumens  
Efficiency: N/A  
Efficacy: 94.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G2

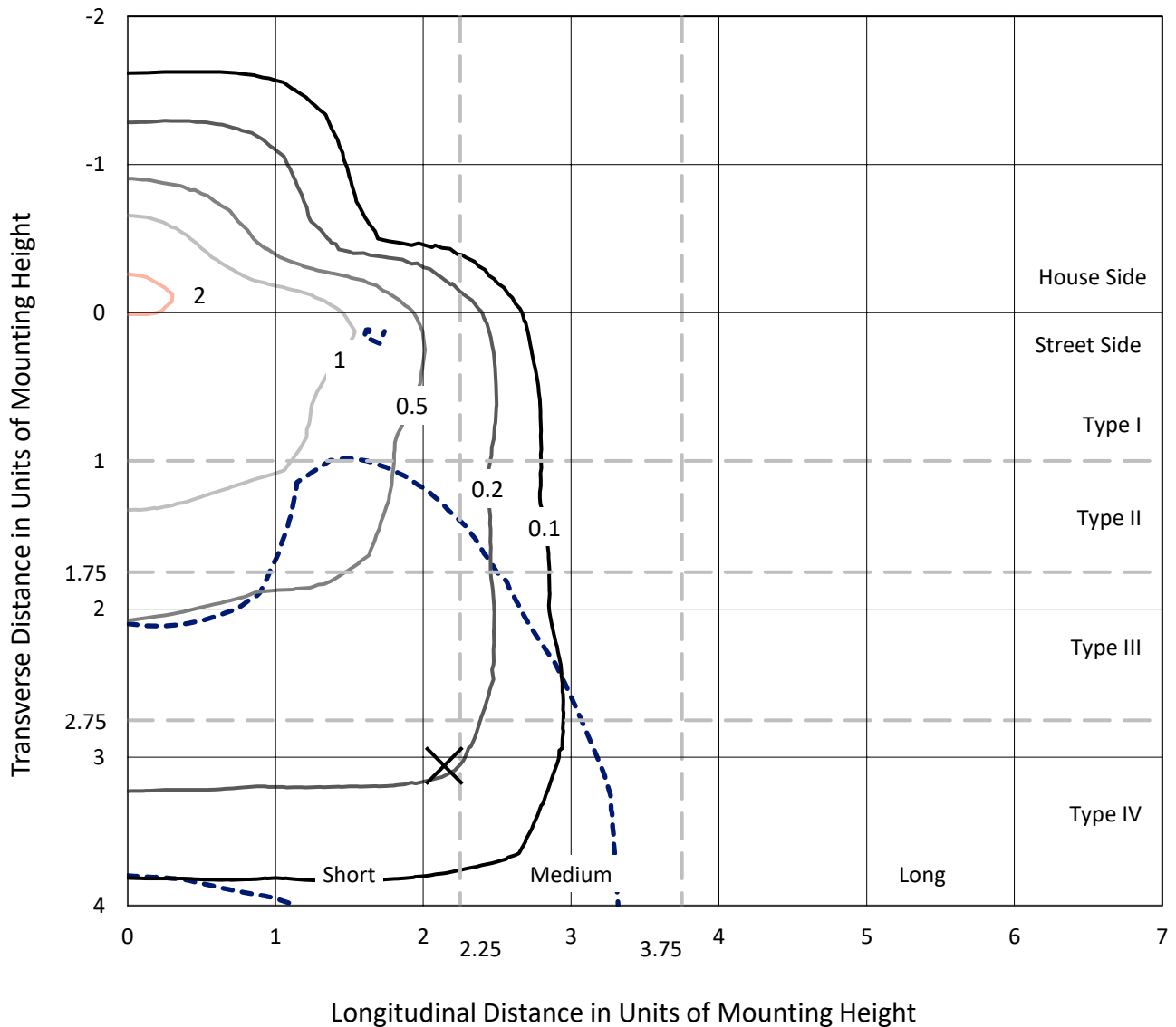
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

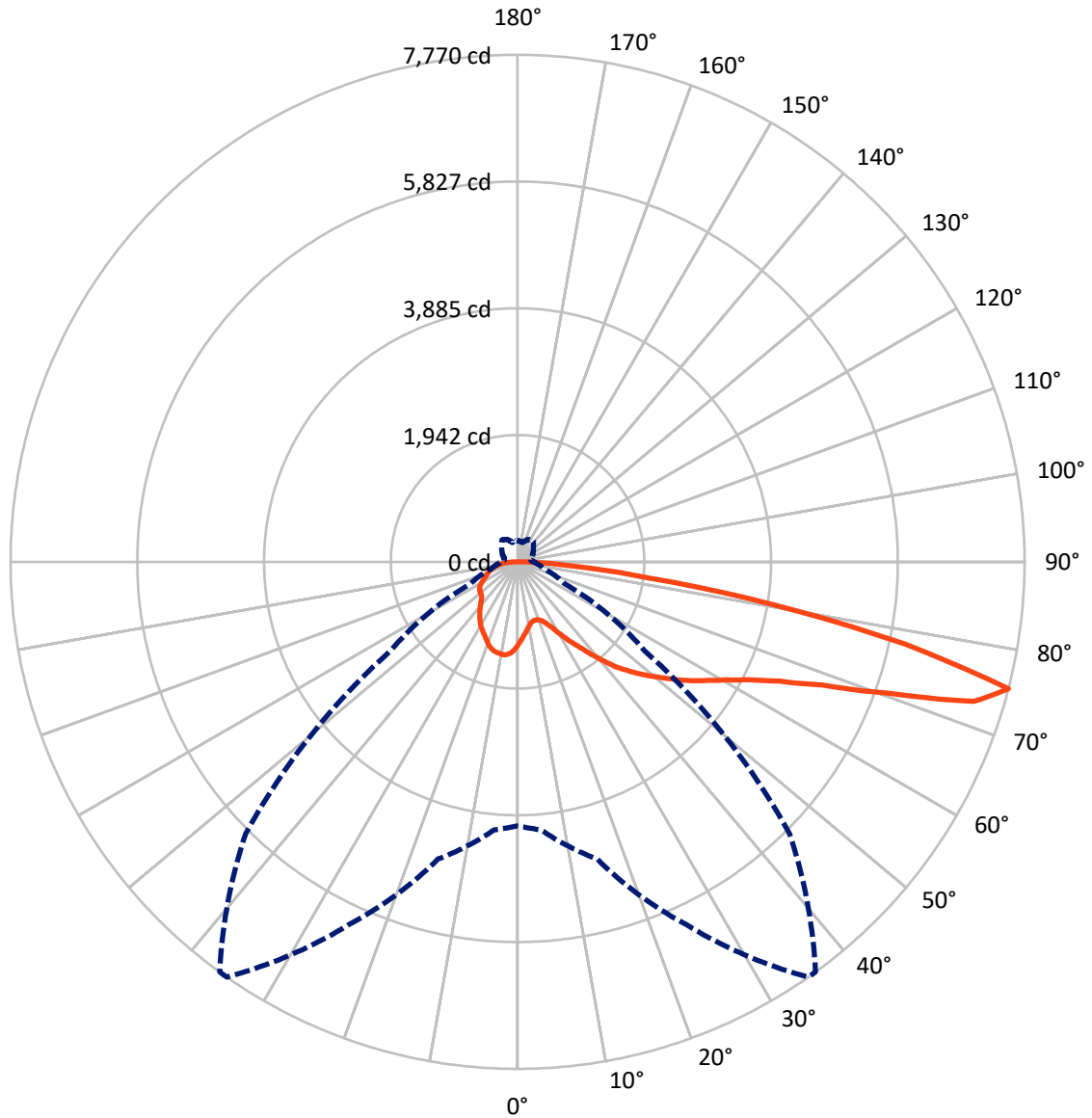
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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
<b>House Side</b>	Lumens	2268.6	0.0	2268.6
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	7264.4	0.0	7264.4
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	9533.0	0.0	9533.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.3	1.3
10°-20°	346.9	3.6
20°-30°	582.6	6.1
30°-40°	905.4	9.5
40°-50°	1343.9	14.1
50°-60°	1855.3	19.5
60°-70°	2250.9	23.6
70°-80°	1860.2	19.5
80°-90°	267.6	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°	9533.0	100.0
0°-180°	9533.0	100.0

**Coefficient of Utilization**

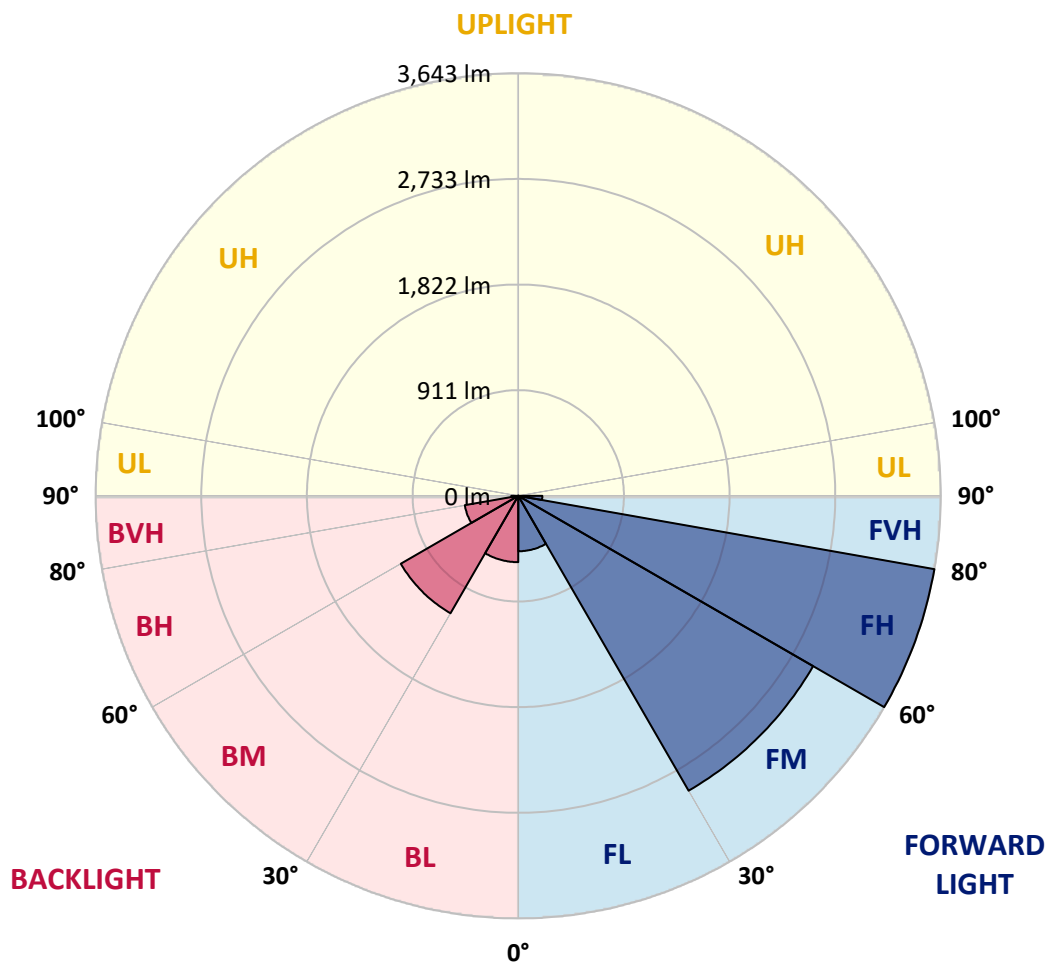


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	478.1	5.0			
FM (30°-60°)	2935.6	30.8			
FH (60°-80°)	3643.4	38.2			G2/5000
FVH (80°-90°)	207.3	2.2			G2/225
BL (0°-30°)	571.7	6.0	B2/1000		
BM (30°-60°)	1168.9	12.3	B2/2500		
BH (60°-80°)	467.7	4.9	B1/500		G1/500
BVH (80°-90°)	60.2	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°	1270.3	1270.3	1270.3	1270.3	1270.3	1270.3	1270.3	1270.3	1270.3	1270.3
2.5°	1171.4	1178.6	1181.7	1180.2	1187.9	1186.9	1197.7	1211.1	1229.6	1247.7
5°	1081.2	1088.9	1095.6	1101.8	1116.8	1121.4	1138.4	1164.2	1198.2	1232.7
7.5°	997.2	1003.9	1014.2	1025.5	1050.8	1055.4	1083.8	1124.0	1171.4	1221.9
10°	928.7	935.4	946.2	959.1	990.5	996.2	1032.2	1085.8	1147.7	1211.6
12.5°	899.3	901.3	907.5	920.4	947.7	951.3	991.0	1052.3	1124.5	1203.9
15°	897.7	901.9	902.4	909.1	931.8	933.3	969.9	1030.7	1110.1	1202.3
17.5°	913.2	916.3	911.7	915.8	934.8	937.4	966.3	1020.4	1105.4	1209.0
20°	954.4	957.0	943.1	937.4	951.3	953.4	981.7	1027.1	1110.1	1222.9
22.5°	1042.0	1043.6	1009.6	986.4	987.4	988.4	1013.2	1054.4	1128.1	1248.2
25°	1178.6	1177.6	1123.5	1078.6	1052.9	1047.2	1063.7	1098.7	1158.5	1281.7
27.5°	1338.4	1330.6	1276.5	1209.5	1153.4	1145.1	1141.5	1156.4	1201.8	1326.0
30°	1518.7	1511.5	1453.3	1365.7	1287.9	1274.5	1240.4	1232.7	1266.2	1386.3
32.5°	1716.6	1712.0	1642.4	1536.3	1432.2	1416.7	1359.5	1338.9	1365.2	1477.5
35°	1882.6	1878.4	1820.7	1711.5	1584.2	1565.1	1506.9	1483.7	1497.1	1594.5
37.5°	2032.5	2030.5	1981.0	1894.9	1763.5	1740.3	1674.9	1667.2	1664.6	1748.6
40°	2171.7	2166.5	2115.0	2069.6	1972.2	1951.1	1893.4	1886.7	1867.1	1938.2
42.5°	2325.8	2312.4	2237.6	2216.5	2190.2	2172.7	2138.2	2139.2	2095.9	2152.1
45°	2451.5	2443.8	2367.0	2354.6	2383.0	2375.8	2405.7	2413.4	2329.4	2376.3
47.5°	2586.5	2579.3	2514.4	2505.6	2582.4	2584.5	2690.1	2692.7	2557.2	2609.2
50°	2753.0	2742.7	2678.3	2689.1	2775.2	2782.9	2976.1	2958.6	2766.9	2845.8
52.5°	2862.8	2869.0	2855.0	2872.6	2990.1	2997.3	3257.5	3212.7	2974.6	3079.2
55°	2943.7	2956.0	2999.3	3039.5	3216.8	3224.0	3522.9	3454.4	3146.7	3295.7
57.5°	3047.8	3030.3	3111.2	3189.5	3432.2	3451.3	3781.1	3687.3	3299.3	3482.2
60°	3197.2	3184.9	3247.7	3363.7	3673.4	3703.8	4054.3	3897.1	3411.1	3630.1
62.5°	3500.3	3469.3	3479.1	3581.7	3977.5	4017.7	4362.4	4080.0	3466.8	3687.8
65°	3953.2	3900.2	3850.7	3921.8	4405.7	4445.4	4710.3	4223.8	3446.1	3576.0
67.5°	4523.7	4471.2	4410.4	4477.4	5036.5	5067.9	5139.6	4304.7	3283.8	3145.2
70°	4994.3	4974.7	5047.3	5323.0	6044.0	6045.1	5690.0	4237.7	2839.1	2229.9
72.5°	4931.9	4920.0	5302.9	6155.3	7313.8	7286.5	6211.0	3730.6	1912.5	1006.0
75°	4046.0	4122.8	4716.0	6140.4	7769.9	7766.3	5892.0	2371.6	791.1	416.9
77.5°	2169.6	2291.2	3061.7	4533.5	6065.7	6156.9	4142.4	829.7	339.6	267.0
80°	707.6	813.7	1220.3	2308.3	3941.4	3924.4	1775.4	325.7	232.4	189.1
82.5°	300.4	312.8	545.2	1090.0	2022.7	1991.3	565.3	187.1	163.4	129.4
85°	117.5	131.4	240.7	504.0	876.1	857.0	204.1	92.8	104.6	84.5
87.5°	38.7	46.9	86.1	172.6	272.6	262.8	50.0	32.0	45.4	38.7
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°
1270.3	0°	1270.3	1270.3	1270.3	1270.3	1270.3	1270.3	1270.3	1270.3	1270.3	1270.3
1273.9	2.5°	1281.2	1289.4	1299.2	1313.6	1326.0	1336.3	1347.1	1353.8	1356.4	1364.1
1276.0	5°	1290.4	1308.5	1332.7	1356.4	1379.6	1393.5	1405.9	1412.1	1417.7	1421.8
1281.7	7.5°	1305.9	1329.1	1367.2	1398.1	1417.7	1429.1	1437.3	1435.2	1437.3	1438.3
1287.9	10°	1319.3	1351.8	1397.1	1426.5	1441.4	1441.9	1439.9	1432.7	1429.1	1429.6
1297.1	12.5°	1335.3	1371.3	1420.3	1445.0	1449.2	1437.8	1429.1	1416.7	1412.1	1410.0
1311.0	15°	1356.9	1398.1	1445.6	1454.8	1444.5	1430.1	1415.1	1395.1	1384.7	1376.5
1334.8	17.5°	1383.2	1428.5	1465.1	1458.4	1436.3	1412.6	1388.4	1357.9	1336.8	1328.1
1367.2	20°	1419.8	1460.5	1480.1	1450.7	1417.2	1381.1	1339.9	1302.8	1283.2	1274.5
1408.5	22.5°	1464.1	1503.3	1494.5	1437.3	1389.9	1332.2	1280.6	1253.3	1243.5	1237.4
1461.5	25°	1517.2	1550.7	1504.8	1417.7	1345.1	1267.2	1227.6	1218.8	1214.2	1209.5
1526.5	27.5°	1586.2	1604.3	1512.6	1388.9	1275.0	1198.2	1183.8	1185.3	1183.8	1176.0
1616.7	30°	1677.5	1673.9	1519.8	1342.0	1194.6	1135.8	1136.9	1143.6	1144.6	1139.4
1742.4	32.5°	1797.5	1760.9	1523.4	1281.2	1117.8	1081.2	1082.2	1089.4	1094.6	1085.8
1906.8	35°	1942.9	1862.5	1517.7	1204.9	1058.5	1029.2	1021.4	1023.5	1025.0	1016.8
2106.2	37.5°	2112.4	1976.4	1492.5	1120.4	1009.6	978.1	961.6	947.7	939.5	931.8
2332.0	40°	2298.5	2100.6	1446.1	1037.9	954.9	924.0	899.3	873.0	845.2	834.9
2571.1	42.5°	2493.3	2228.4	1389.9	959.1	892.1	866.8	840.5	802.4	760.7	739.5
2819.5	45°	2695.3	2359.3	1334.8	881.2	827.7	816.8	786.4	740.6	695.2	668.4
3068.4	47.5°	2893.2	2483.0	1253.8	802.9	767.4	779.2	755.5	713.2	662.7	620.5
3315.2	50°	3082.3	2598.9	1121.4	723.6	718.4	767.9	745.2	684.4	626.7	572.6
3557.5	52.5°	3269.9	2692.7	951.9	651.4	692.1	764.8	731.8	664.8	594.2	537.5
3785.2	55°	3429.1	2741.1	788.5	589.6	654.0	738.5	715.8	641.6	548.3	488.0
3941.4	57.5°	3519.8	2702.0	652.4	528.7	601.4	695.2	688.5	592.1	493.7	447.3
3971.8	60°	3480.7	2543.3	541.1	475.7	551.4	648.3	641.1	543.2	452.0	408.2
3808.9	62.5°	3264.7	2240.7	453.0	429.3	506.1	600.4	593.7	505.6	420.0	377.8
3376.6	65°	2829.8	1822.8	384.5	390.6	460.2	542.7	552.5	474.1	394.8	353.5
2612.3	67.5°	2158.3	1320.3	330.9	357.1	415.4	486.0	514.3	451.4	373.6	334.5
1511.5	70°	1230.1	749.8	285.5	324.7	375.7	433.4	484.9	433.4	351.0	318.5
566.4	72.5°	466.4	344.3	246.9	292.2	337.6	389.1	452.5	405.1	324.7	300.4
292.7	75°	248.9	209.7	207.7	254.1	293.7	345.8	411.8	377.2	305.1	317.5
202.5	77.5°	169.6	148.4	173.7	217.5	245.8	297.9	368.5	335.0	264.4	263.3
140.2	80°	117.5	105.1	141.2	175.2	190.2	250.5	321.6	287.6	215.4	201.0
86.6	82.5°	70.6	68.5	105.6	130.9	134.5	193.3	266.4	241.2	176.2	153.6
51.5	85°	38.7	40.7	67.5	76.8	78.3	135.0	208.7	186.6	135.5	113.9
18.6	87.5°	10.8	13.9	24.7	30.4	37.6	70.1	124.2	110.8	68.0	47.4
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°
1270.3
1363.6
1422.9
1439.9
1430.6
1409.0
1379.1
1328.6
1273.4
1238.4
1209.5
1177.6
1142.0
1090.0
1022.5
936.9
839.5
742.1
666.3
615.8
567.9
531.3
482.9
441.1
402.0
371.1
346.8
328.3
314.4
296.3
327.8
242.7
192.2
154.6
114.9
47.4
0.0

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