

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: P852345

Luminaire Tested: **GLAN-SB3A-927-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852345
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-SB3A-927-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8567 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

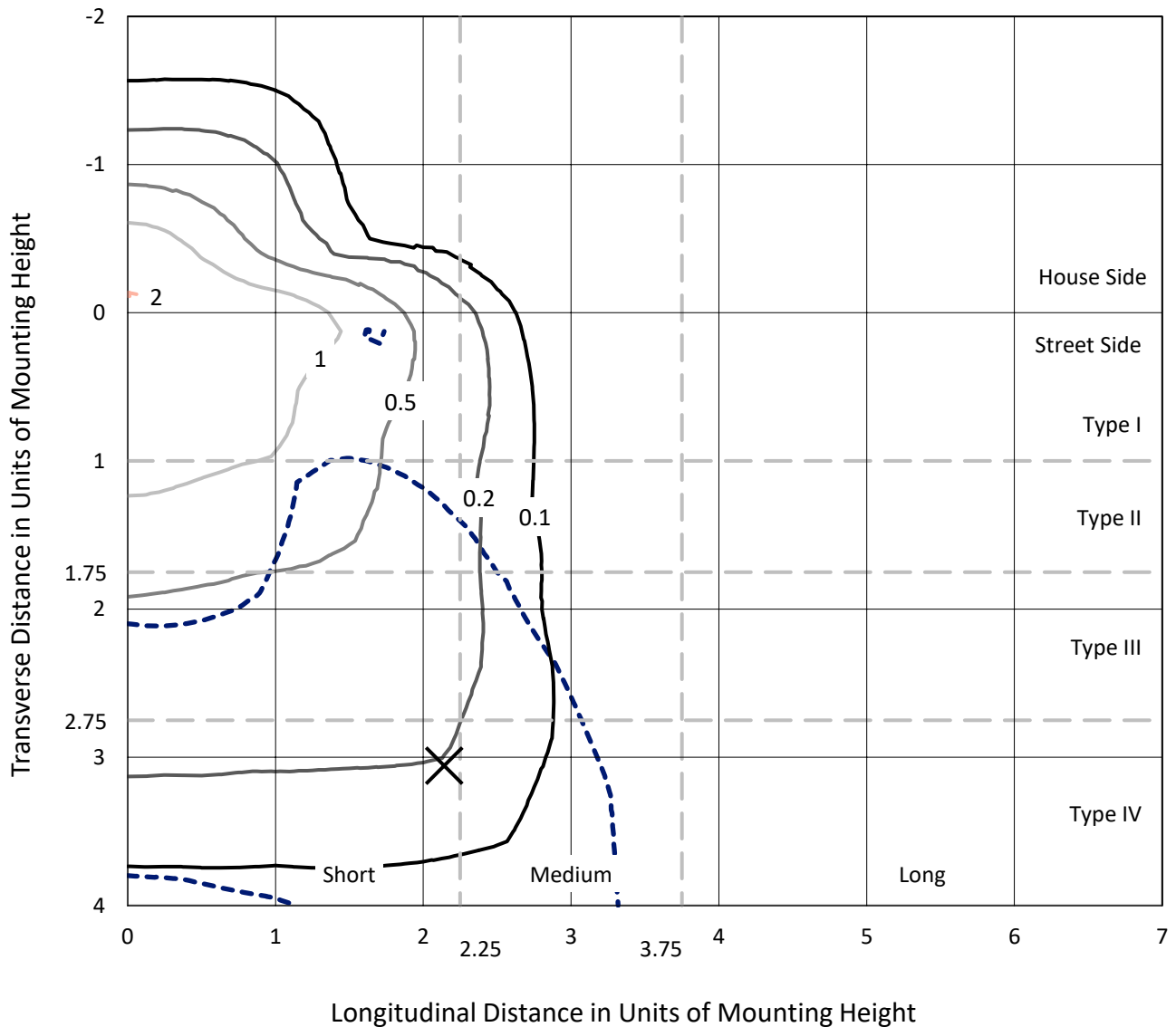
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

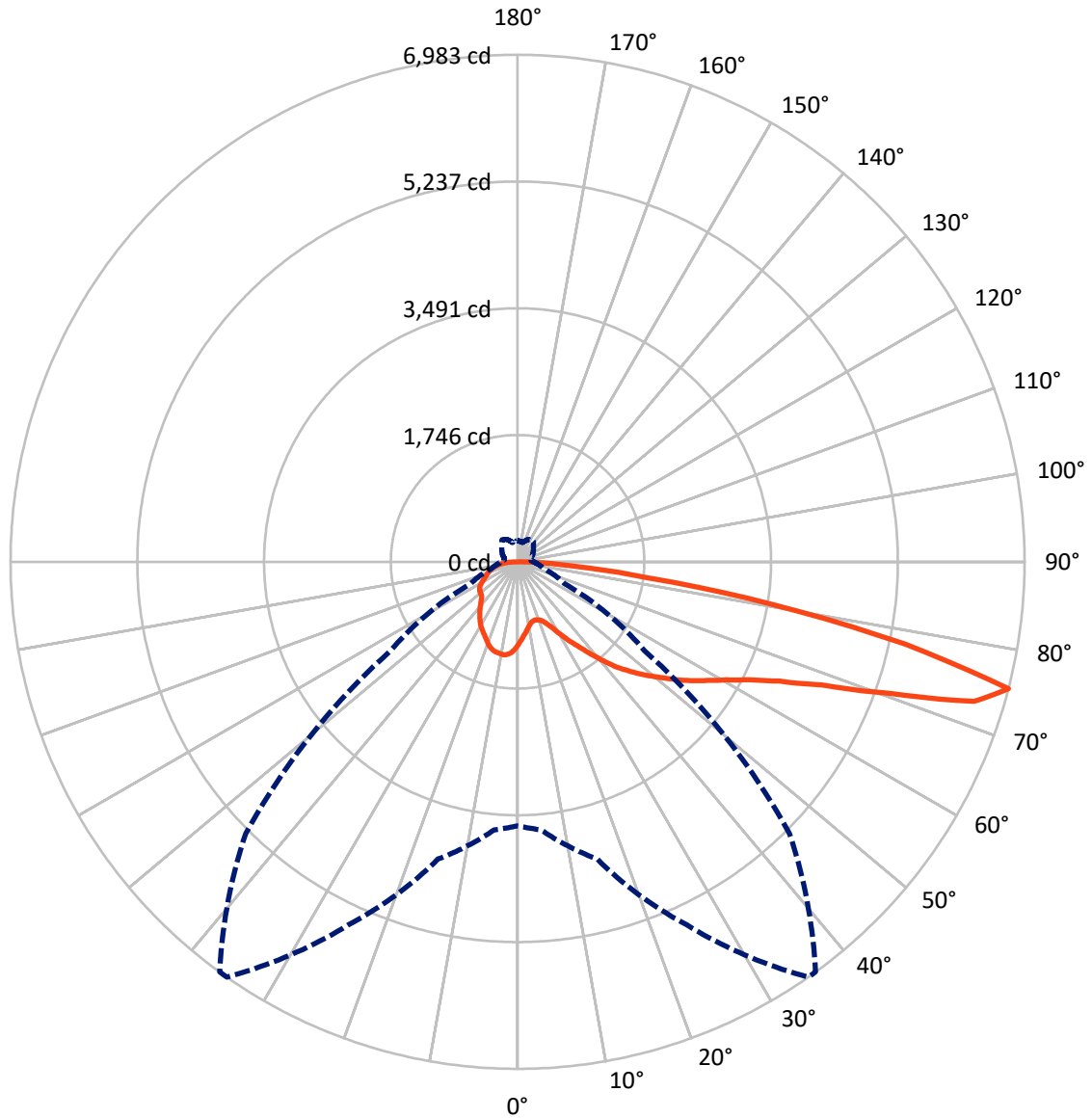
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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	2038.7	0.0	2038.7
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	6528.3	0.0	6528.3
	% Fixture	76.2	0.0	76.2
Total	Lumens	8567.0	0.0	8567.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.1	1.3
10°-20°	311.8	3.6
20°-30°	523.5	6.1
30°-40°	813.7	9.5
40°-50°	1207.7	14.1
50°-60°	1667.3	19.5
60°-70°	2022.8	23.6
70°-80°	1671.7	19.5
80°-90°	240.4	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°	8567.0	100.0
0°-180°	8567.0	100.0

Coefficient of Utilization



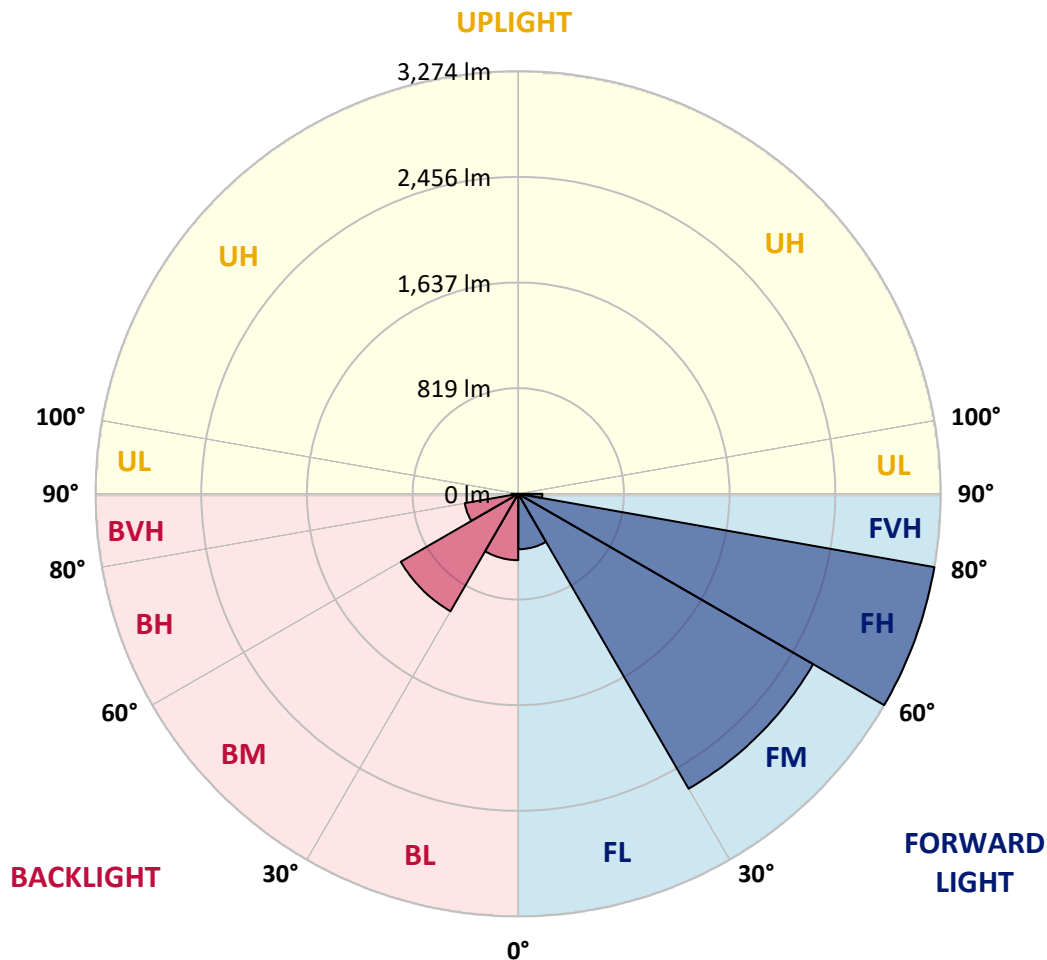
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	429.6	5.0			
FM (30°-60°)	2638.2	30.8			
FH (60°-80°)	3274.2	38.2			G2/5000
FVH (80°-90°)	186.3	2.2			G2/225
BL (0°-30°)	513.8	6.0	B2/1000		
BM (30°-60°)	1050.5	12.3	B2/2500		
BH (60°-80°)	420.3	4.9	B1/500		G1/500
BVH (80°-90°)	54.1	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°	1141.6	1141.6	1141.6	1141.6	1141.6	1141.6	1141.6	1141.6	1141.6	1141.6
2.5°	1052.7	1059.2	1062.0	1060.6	1067.5	1066.6	1076.3	1088.4	1105.0	1121.2
5°	971.6	978.6	984.6	990.2	1003.6	1007.8	1023.0	1046.2	1076.8	1107.8
7.5°	896.2	902.2	911.4	921.6	944.3	948.5	974.0	1010.1	1052.7	1098.1
10°	834.6	840.6	850.3	861.9	890.1	895.2	927.6	975.8	1031.4	1088.8
12.5°	808.2	810.0	815.6	827.1	851.7	854.9	890.6	945.7	1010.5	1081.9
15°	806.8	810.5	810.9	817.0	837.3	838.7	871.6	926.3	997.6	1080.5
17.5°	820.7	823.4	819.3	823.0	840.1	842.4	868.4	917.0	993.4	1086.5
20°	857.7	860.0	847.5	842.4	854.9	856.8	882.3	923.0	997.6	1099.0
22.5°	936.4	937.8	907.3	886.4	887.4	888.3	910.5	947.6	1013.8	1121.7
25°	1059.2	1058.2	1009.6	969.3	946.2	941.1	955.9	987.4	1041.1	1151.8
27.5°	1202.7	1195.8	1147.2	1087.0	1036.5	1029.1	1025.8	1039.3	1080.0	1191.6
30°	1364.8	1358.4	1306.0	1227.3	1157.4	1145.3	1114.7	1107.8	1137.9	1245.8
32.5°	1542.7	1538.5	1476.0	1380.6	1287.0	1273.1	1221.7	1203.2	1226.8	1327.8
35°	1691.8	1688.1	1636.2	1538.0	1423.7	1406.5	1354.2	1333.3	1345.4	1432.9
37.5°	1826.6	1824.7	1780.3	1702.9	1584.8	1564.0	1505.2	1498.2	1495.9	1571.4
40°	1951.6	1947.0	1900.7	1859.9	1772.4	1753.4	1701.5	1695.5	1677.9	1741.8
42.5°	2090.1	2078.1	2010.9	1991.9	1968.3	1952.5	1921.5	1922.4	1883.5	1934.0
45°	2203.1	2196.2	2127.1	2116.0	2141.5	2135.0	2161.9	2168.8	2093.3	2135.5
47.5°	2324.4	2318.0	2259.6	2251.7	2320.7	2322.6	2417.5	2419.8	2298.0	2344.8
50°	2474.0	2464.8	2406.9	2416.6	2493.9	2500.9	2674.6	2658.8	2486.5	2557.4
52.5°	2572.7	2578.2	2565.7	2581.5	2687.1	2693.6	2927.4	2887.1	2673.2	2767.2
55°	2645.4	2656.5	2695.4	2731.5	2890.8	2897.3	3165.9	3104.3	2827.9	2961.7
57.5°	2738.9	2723.2	2795.9	2866.3	3084.4	3101.6	3398.0	3313.7	2964.9	3129.4
60°	2873.2	2862.1	2918.6	3022.8	3301.2	3328.5	3643.4	3502.2	3065.4	3262.3
62.5°	3145.6	3117.8	3126.6	3218.7	3574.4	3610.5	3920.4	3666.6	3115.5	3314.1
65°	3552.7	3505.0	3460.5	3524.4	3959.3	3994.9	4233.0	3795.8	3096.9	3213.6
67.5°	4065.3	4018.1	3963.5	4023.7	4526.2	4554.4	4618.8	3868.5	2951.1	2826.5
70°	4488.2	4470.6	4535.9	4783.6	5431.6	5432.5	5113.4	3808.3	2551.4	2004.0
72.5°	4432.1	4421.5	4765.6	5531.6	6572.7	6548.2	5581.6	3352.6	1718.7	904.0
75°	3636.0	3705.0	4238.1	5518.2	6982.6	6979.3	5294.9	2131.3	710.9	374.7
77.5°	1949.8	2059.1	2751.4	4074.1	5451.0	5533.0	3722.6	745.6	305.2	239.9
80°	635.9	731.3	1096.7	2074.4	3542.0	3526.7	1595.5	292.7	208.9	170.0
82.5°	270.0	281.1	490.0	979.5	1817.8	1789.5	508.1	168.1	146.8	116.2
85°	105.6	118.1	216.3	452.9	787.3	770.2	183.4	83.4	94.0	76.0
87.5°	34.7	42.1	77.3	155.1	245.0	236.2	44.9	28.7	40.8	34.7
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°
1141.6	0°	1141.6	1141.6	1141.6	1141.6	1141.6	1141.6	1141.6	1141.6	1141.6	1141.6
1144.9	2.5°	1151.3	1158.7	1167.5	1180.5	1191.6	1200.9	1210.6	1216.6	1219.0	1225.9
1146.7	5°	1159.7	1175.9	1197.6	1219.0	1239.8	1252.3	1263.4	1269.0	1274.1	1277.8
1151.8	7.5°	1173.6	1194.4	1228.7	1256.5	1274.1	1284.3	1291.7	1289.8	1291.7	1292.6
1157.4	10°	1185.6	1214.8	1255.5	1281.9	1295.4	1295.8	1294.0	1287.5	1284.3	1284.7
1165.7	12.5°	1200.0	1232.4	1276.4	1298.6	1302.3	1292.1	1284.3	1273.1	1269.0	1267.1
1178.2	15°	1219.4	1256.5	1299.1	1307.4	1298.1	1285.2	1271.7	1253.7	1244.4	1237.0
1199.5	17.5°	1243.0	1283.8	1316.7	1310.7	1290.7	1269.4	1247.7	1220.3	1201.4	1193.5
1228.7	20°	1275.9	1312.5	1330.1	1303.7	1273.6	1241.2	1204.1	1170.8	1153.2	1145.3
1265.7	22.5°	1315.7	1350.9	1343.1	1291.7	1249.1	1197.2	1150.9	1126.3	1117.5	1112.0
1313.4	25°	1363.4	1393.6	1352.3	1274.1	1208.8	1138.8	1103.2	1095.3	1091.1	1087.0
1371.8	27.5°	1425.5	1441.7	1359.3	1248.1	1145.8	1076.8	1063.8	1065.2	1063.8	1056.9
1452.8	30°	1507.5	1504.2	1365.8	1206.0	1073.5	1020.7	1021.7	1027.7	1028.6	1024.0
1565.8	32.5°	1615.4	1582.5	1369.0	1151.3	1004.5	971.6	972.6	979.1	983.7	975.8
1713.6	35°	1746.0	1673.7	1363.9	1082.8	951.3	924.9	917.9	919.8	921.2	913.8
1892.8	37.5°	1898.4	1776.1	1341.2	1006.8	907.3	879.0	864.2	851.7	844.3	837.3
2095.7	40°	2065.6	1887.7	1299.5	932.7	858.2	830.4	808.2	784.5	759.5	750.3
2310.5	42.5°	2240.6	2002.6	1249.1	861.9	801.7	779.0	755.4	721.1	683.6	664.6
2533.8	45°	2422.2	2120.2	1199.5	791.9	743.8	734.1	706.7	665.5	624.8	600.7
2757.5	47.5°	2600.0	2231.4	1126.8	721.6	689.6	700.2	678.9	641.0	595.6	557.6
2979.3	50°	2770.0	2335.6	1007.8	650.2	645.6	690.1	669.7	615.0	563.2	514.5
3197.0	52.5°	2938.5	2419.8	855.4	585.4	622.0	687.3	657.6	597.4	534.0	483.0
3401.7	55°	3081.7	2463.4	708.6	529.8	587.7	663.7	643.3	576.6	492.8	438.6
3542.0	57.5°	3163.2	2428.2	586.3	475.2	540.5	624.8	618.7	532.1	443.7	402.0
3569.3	60°	3128.0	2285.5	486.3	427.5	495.5	582.6	576.1	488.1	406.2	366.8
3423.0	62.5°	2933.9	2013.7	407.1	385.8	454.8	539.5	533.5	454.3	377.4	339.5
3034.4	65°	2543.0	1638.1	345.5	351.1	413.6	487.7	496.5	426.1	354.8	317.7
2347.6	67.5°	1939.6	1186.5	297.3	320.9	373.3	436.7	462.2	405.7	335.8	300.6
1358.4	70°	1105.5	673.9	256.6	291.8	337.6	389.5	435.8	389.5	315.4	286.2
509.0	72.5°	419.1	309.4	221.8	262.6	303.3	349.7	406.6	364.0	291.8	270.0
263.1	75°	223.7	188.5	186.6	228.3	264.0	310.8	370.0	339.0	274.2	285.3
182.0	77.5°	152.4	133.4	156.1	195.4	220.9	267.7	331.1	301.0	237.6	236.7
126.0	80°	105.6	94.5	126.9	157.5	170.9	225.1	289.0	258.4	193.6	180.6
77.8	82.5°	63.4	61.6	94.9	117.6	120.9	173.7	239.4	216.7	158.4	138.0
46.3	85°	34.7	36.6	60.7	69.0	70.4	121.3	187.6	167.7	121.8	102.4
16.7	87.5°	9.7	12.5	22.2	27.3	33.8	63.0	111.6	99.6	61.1	42.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

<u>180°</u>
1141.6
1225.4
1278.7
1294.0
1285.6
1266.2
1239.3
1193.9
1144.4
1112.9
1087.0
1058.2
1026.3
979.5
918.8
842.0
754.4
666.9
598.8
553.4
510.4
477.5
434.0
396.4
361.2
333.5
311.7
295.0
282.5
266.3
294.5
218.1
172.7
138.9
103.3
42.6
0.0

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