

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: P846233

Luminaire Tested: **GLAN-SB1D-735-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846233
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1D-735-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3500K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9902 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

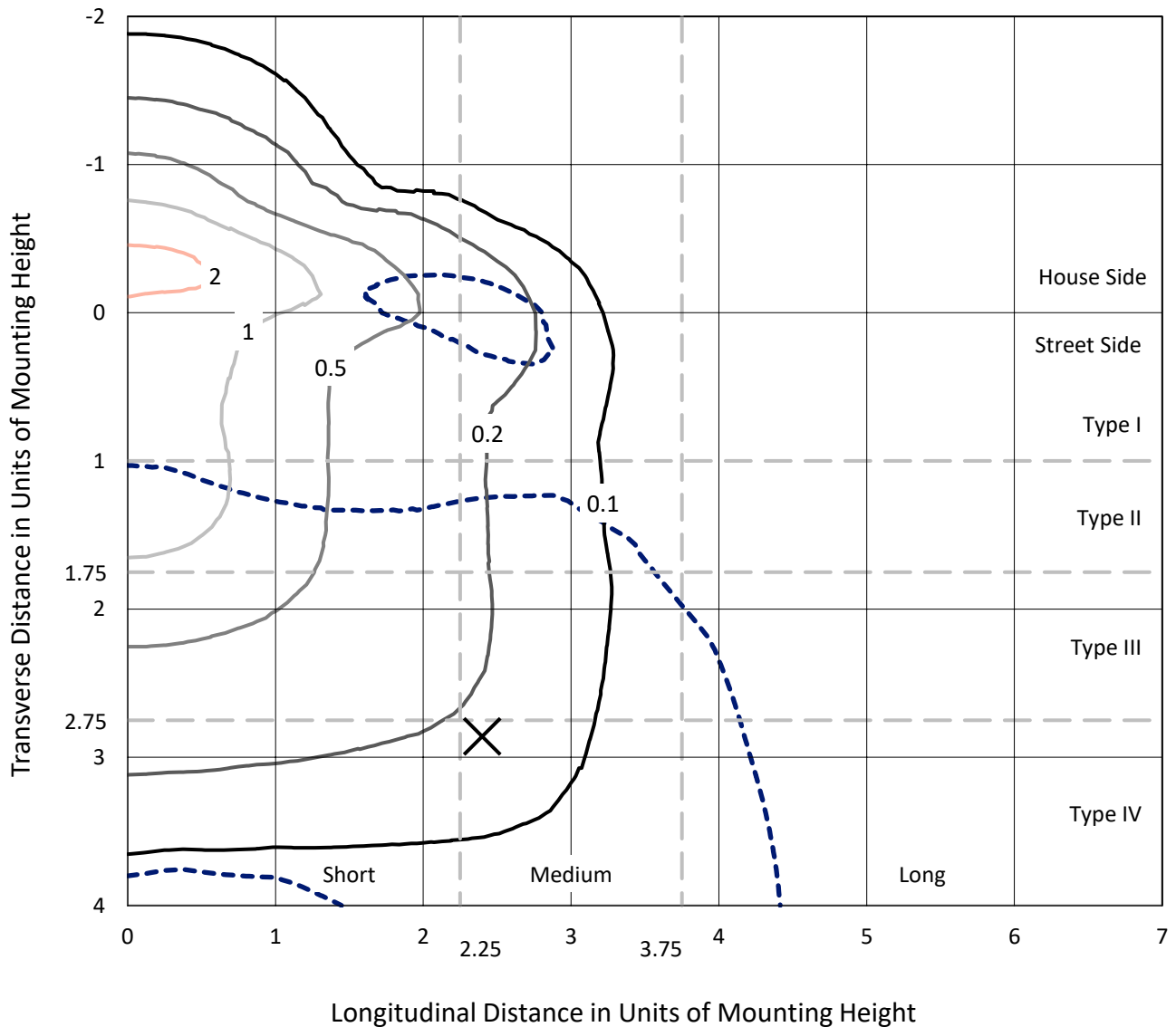
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

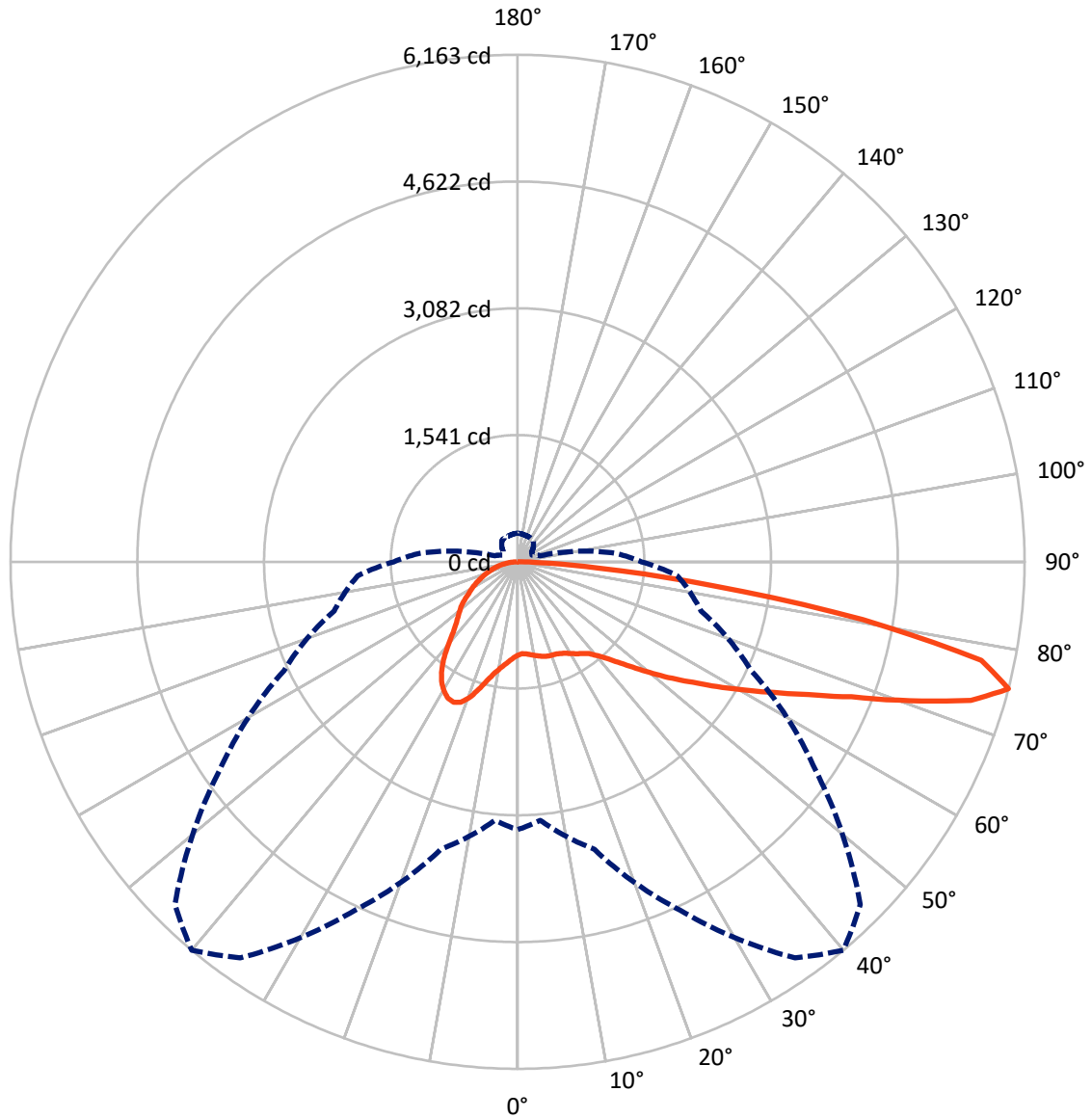
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3068.0	0.0	3068.0
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	6834.0	0.0	6834.0
	% Fixture	69.0	0.0	69.0
Total	Lumens	9902.0	0.0	9902.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.0	1.1
10°-20°	379.5	3.8
20°-30°	692.9	7.0
30°-40°	982.7	9.9
40°-50°	1327.0	13.4
50°-60°	1785.1	18.0
60°-70°	2265.7	22.9
70°-80°	2056.3	20.8
80°-90°	299.7	3.0
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°	9902.0	100.0
0°-180°	9902.0	100.0

Coefficient of Utilization

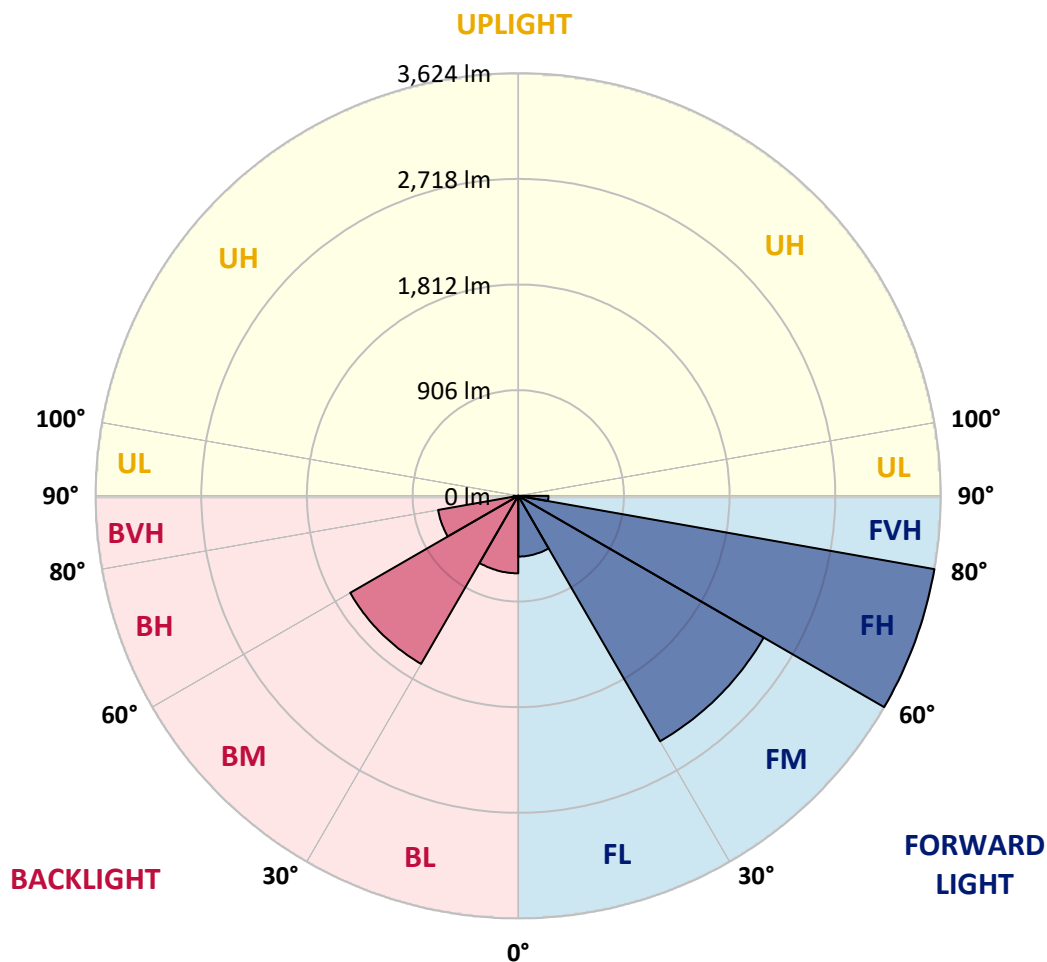


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	520.9	5.3			
FM (30°-60°)	2430.7	24.5			
FH (60°-80°)	3624.0	36.6			G2/5000
FVH (80°-90°)	258.5	2.6			G3/500
BL (0°-30°)	664.5	6.7	B2/1000		
BM (30°-60°)	1664.1	16.8	B2/2500		
BH (60°-80°)	698.1	7.0	B2/1000		G2/1000
BVH (80°-90°)	41.3	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	1132.3	1132.3	1132.3	1132.3	1132.3	1132.3	1132.3	1132.3	1132.3	1132.3
2.5°	1115.0	1121.3	1119.7	1117.6	1117.6	1118.1	1117.6	1121.3	1125.0	1128.6
5°	1126.5	1132.8	1129.7	1127.1	1125.0	1124.4	1122.9	1122.3	1124.4	1129.2
7.5°	1149.1	1155.4	1150.7	1146.0	1141.8	1139.7	1137.6	1134.4	1132.8	1135.5
10°	1174.3	1180.6	1174.8	1166.4	1159.6	1157.0	1154.9	1151.7	1149.6	1151.2
12.5°	1199.5	1205.8	1198.0	1186.4	1177.5	1175.9	1173.3	1172.2	1171.7	1171.2
15°	1223.2	1228.4	1218.4	1204.8	1195.3	1192.7	1190.1	1191.7	1194.3	1197.4
17.5°	1241.5	1246.8	1232.1	1214.2	1205.3	1204.3	1202.7	1207.9	1215.3	1223.2
20°	1258.4	1263.6	1244.7	1220.5	1210.0	1210.0	1210.6	1221.6	1232.1	1243.6
22.5°	1282.0	1286.2	1263.1	1230.0	1214.8	1215.8	1220.0	1231.0	1244.2	1259.9
25°	1317.2	1320.3	1292.0	1247.8	1230.5	1233.7	1237.3	1242.6	1255.2	1273.6
27.5°	1373.9	1376.5	1339.2	1279.4	1253.1	1258.4	1263.6	1259.9	1265.7	1281.5
30°	1453.7	1455.3	1408.0	1328.7	1291.4	1294.1	1295.1	1279.9	1268.9	1281.5
32.5°	1548.3	1547.7	1491.5	1388.6	1335.0	1332.4	1323.5	1293.5	1267.8	1278.8
35°	1694.8	1689.0	1616.5	1472.6	1384.4	1368.1	1347.1	1308.8	1273.1	1276.2
37.5°	1937.4	1919.6	1819.3	1610.2	1457.9	1416.4	1385.4	1333.5	1284.6	1275.2
40°	2211.0	2188.5	2078.2	1798.8	1568.2	1501.5	1451.6	1368.6	1303.5	1279.9
42.5°	2535.6	2503.6	2384.9	2020.9	1707.9	1611.3	1536.2	1413.3	1331.4	1295.1
45°	2934.2	2891.7	2723.6	2271.4	1883.9	1755.2	1654.9	1481.0	1373.9	1324.5
47.5°	3337.0	3347.6	3108.6	2558.2	2095.0	1932.7	1803.5	1582.9	1435.9	1371.8
50°	3765.1	3772.4	3491.5	2875.9	2334.5	2133.3	1970.5	1696.9	1522.0	1439.0
52.5°	4099.1	4100.1	3839.1	3208.4	2583.9	2353.9	2150.6	1827.1	1621.8	1528.3
55°	4308.1	4305.5	4082.8	3523.0	2870.7	2585.5	2350.2	1975.2	1743.6	1633.3
57.5°	4459.9	4452.0	4250.9	3793.4	3176.3	2859.1	2576.1	2143.3	1887.5	1758.3
60°	4517.7	4512.9	4364.8	4027.1	3497.8	3161.6	2836.5	2331.3	2050.9	1905.9
62.5°	4539.7	4548.7	4476.7	4253.5	3841.8	3496.7	3122.8	2556.1	2234.7	2072.9
65°	4617.5	4633.7	4619.0	4549.7	4230.4	3889.0	3502.5	2823.4	2435.3	2252.0
67.5°	4771.3	4787.6	4793.9	4904.2	4705.2	4378.0	3976.2	3156.4	2670.1	2437.9
70°	4767.7	4762.9	4874.3	5186.2	5299.7	5054.9	4614.8	3566.0	2950.0	2592.3
72.5°	4339.6	4301.8	4564.9	5183.1	5794.4	5761.8	5394.7	4094.4	3191.6	2611.2
75°	3255.6	3154.8	3619.6	4671.0	5876.9	6163.1	5890.5	4422.1	3134.3	2307.2
77.5°	1392.3	1290.9	1838.7	3457.8	5259.8	5761.3	5435.7	3858.0	2502.0	1525.7
80°	364.5	364.0	555.6	1567.7	3577.1	4254.6	3732.5	2491.5	1429.6	545.1
82.5°	150.7	147.1	204.3	609.7	1747.8	2387.5	1948.5	1111.3	516.3	147.6
85°	56.2	55.7	99.3	210.6	616.6	984.7	712.7	284.1	128.7	72.0
87.5°	15.8	15.2	21.5	73.0	150.2	227.9	121.8	46.7	36.2	28.4
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°
1132.3	0°	1132.3	1132.3	1132.3	1132.3	1132.3	1132.3	1132.3	1132.3	1132.3	1132.3
1134.4	2.5°	1136.0	1138.6	1143.3	1147.0	1151.7	1157.0	1164.3	1169.1	1173.8	1176.9
1137.0	5°	1140.7	1146.5	1158.6	1170.6	1184.8	1198.0	1213.2	1224.2	1233.1	1235.8
1146.5	7.5°	1151.2	1160.7	1181.1	1201.6	1224.2	1245.7	1267.8	1286.7	1301.9	1307.7
1163.3	10°	1169.6	1182.2	1211.1	1240.0	1269.9	1303.0	1331.4	1358.7	1380.2	1389.1
1183.3	12.5°	1192.7	1208.5	1246.3	1286.2	1327.7	1373.4	1410.1	1443.7	1470.5	1482.6
1211.1	15°	1222.6	1243.1	1291.4	1345.0	1405.9	1469.5	1516.2	1553.5	1583.4	1598.1
1240.0	17.5°	1255.2	1282.5	1343.4	1424.3	1511.5	1595.0	1649.6	1676.9	1707.9	1722.1
1266.8	20°	1286.7	1320.3	1407.5	1525.1	1641.2	1730.0	1774.1	1781.4	1783.5	1785.1
1292.0	22.5°	1319.3	1364.4	1487.9	1652.2	1776.7	1838.2	1844.5	1813.0	1768.8	1748.4
1316.6	25°	1355.0	1414.9	1592.9	1792.5	1893.3	1900.7	1852.3	1775.7	1692.2	1653.8
1336.6	27.5°	1389.6	1473.2	1718.9	1926.4	1977.3	1912.7	1808.7	1700.0	1599.2	1558.8
1350.8	30°	1424.3	1539.9	1858.1	2043.5	2015.7	1882.8	1740.0	1618.6	1517.3	1474.7
1363.4	32.5°	1459.5	1617.6	2018.3	2128.1	2008.8	1819.3	1654.3	1527.2	1438.0	1393.3
1374.4	35°	1499.4	1713.2	2170.1	2174.3	1963.2	1725.8	1541.4	1418.0	1340.3	1304.6
1387.5	37.5°	1551.4	1834.5	2304.0	2185.8	1883.3	1588.7	1401.2	1288.8	1224.7	1208.5
1407.0	40°	1616.0	1980.5	2406.4	2167.5	1765.2	1422.2	1247.8	1158.0	1121.8	1125.5
1433.2	42.5°	1700.0	2143.8	2478.4	2120.2	1600.8	1250.5	1113.4	1073.5	1090.8	1105.5
1472.6	45°	1809.3	2313.5	2523.0	2039.8	1414.9	1105.0	1034.1	1043.5	1056.7	1058.3
1536.2	47.5°	1949.0	2485.2	2552.4	1918.5	1225.3	1002.6	983.7	985.8	983.2	972.1
1631.2	50°	2123.3	2652.2	2578.7	1757.8	1064.0	938.5	913.3	906.0	869.7	834.0
1757.8	52.5°	2321.9	2805.6	2589.7	1558.2	938.5	884.9	844.0	797.8	730.0	719.0
1916.9	55°	2542.4	2947.4	2561.3	1313.0	832.9	816.1	754.2	698.5	691.1	681.7
2126.5	57.5°	2806.1	3100.2	2503.6	1039.3	724.8	735.8	675.4	681.7	668.6	653.9
2395.9	60°	3094.4	3258.3	2402.2	789.9	612.9	635.5	654.9	654.4	650.7	638.6
2680.0	62.5°	3353.9	3362.3	2202.6	605.0	514.7	557.8	610.8	610.3	607.1	600.3
2976.8	65°	3508.3	3346.5	1869.7	476.3	433.8	493.7	550.9	555.1	555.6	555.1
3200.0	67.5°	3481.0	3162.2	1412.8	379.2	367.1	428.6	491.6	497.4	501.6	502.6
3228.3	70°	3172.1	2757.2	921.2	302.5	307.8	371.3	435.4	441.2	444.8	449.0
2801.4	72.5°	2472.6	2027.2	527.3	244.7	255.8	321.9	379.7	386.5	388.6	396.5
1949.5	75°	1506.8	1192.2	284.7	192.7	210.1	275.2	324.6	332.4	336.1	345.6
957.4	77.5°	716.4	516.3	162.3	150.2	169.1	224.8	274.1	283.1	273.1	278.4
264.2	80°	242.1	191.7	102.4	114.5	129.2	175.4	219.5	228.5	207.4	206.4
87.7	82.5°	84.6	77.7	65.1	76.2	83.5	125.5	166.0	177.5	154.4	153.9
39.4	85°	33.1	31.5	36.2	41.5	49.9	77.2	109.2	115.0	95.1	76.7
11.6	87.5°	6.8	7.4	8.9	9.5	15.2	26.8	39.4	48.3	38.3	32.6
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

180°
1132.3
1174.8
1236.8
1308.2
1389.6
1482.6
1597.1
1721.6
1789.3
1754.1
1659.6
1563.5
1479.5
1399.1
1312.4
1220.0
1138.1
1119.2
1068.8
980.5
838.7
722.7
683.3
651.2
634.4
597.7
555.1
503.7
451.1
399.7
346.6
274.1
204.3
146.5
75.6
29.9
0.0

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