

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: P852379

Luminaire Tested: **GLAN-SB3B-927-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852379
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-SB3B-927-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 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: 10754 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

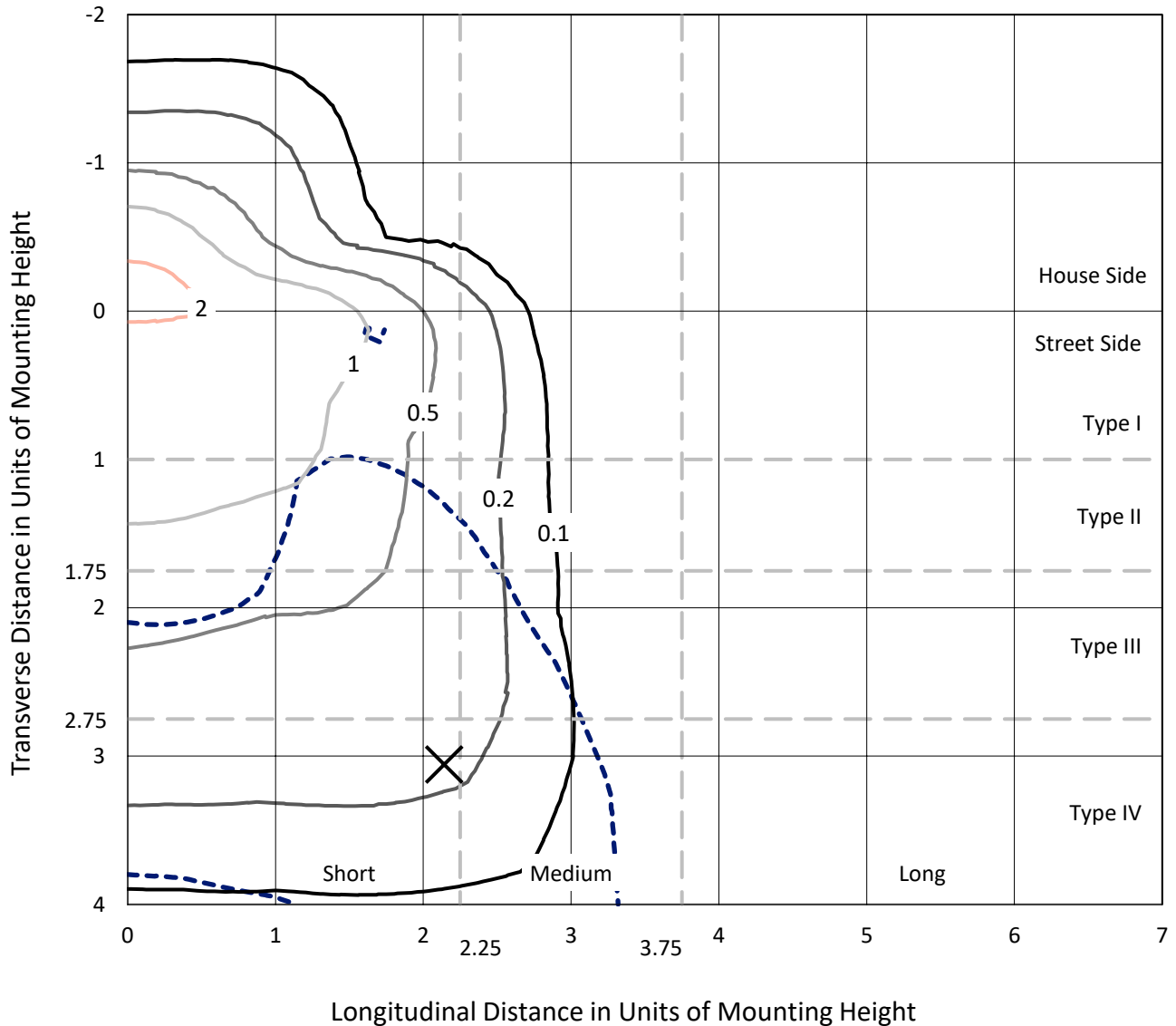
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

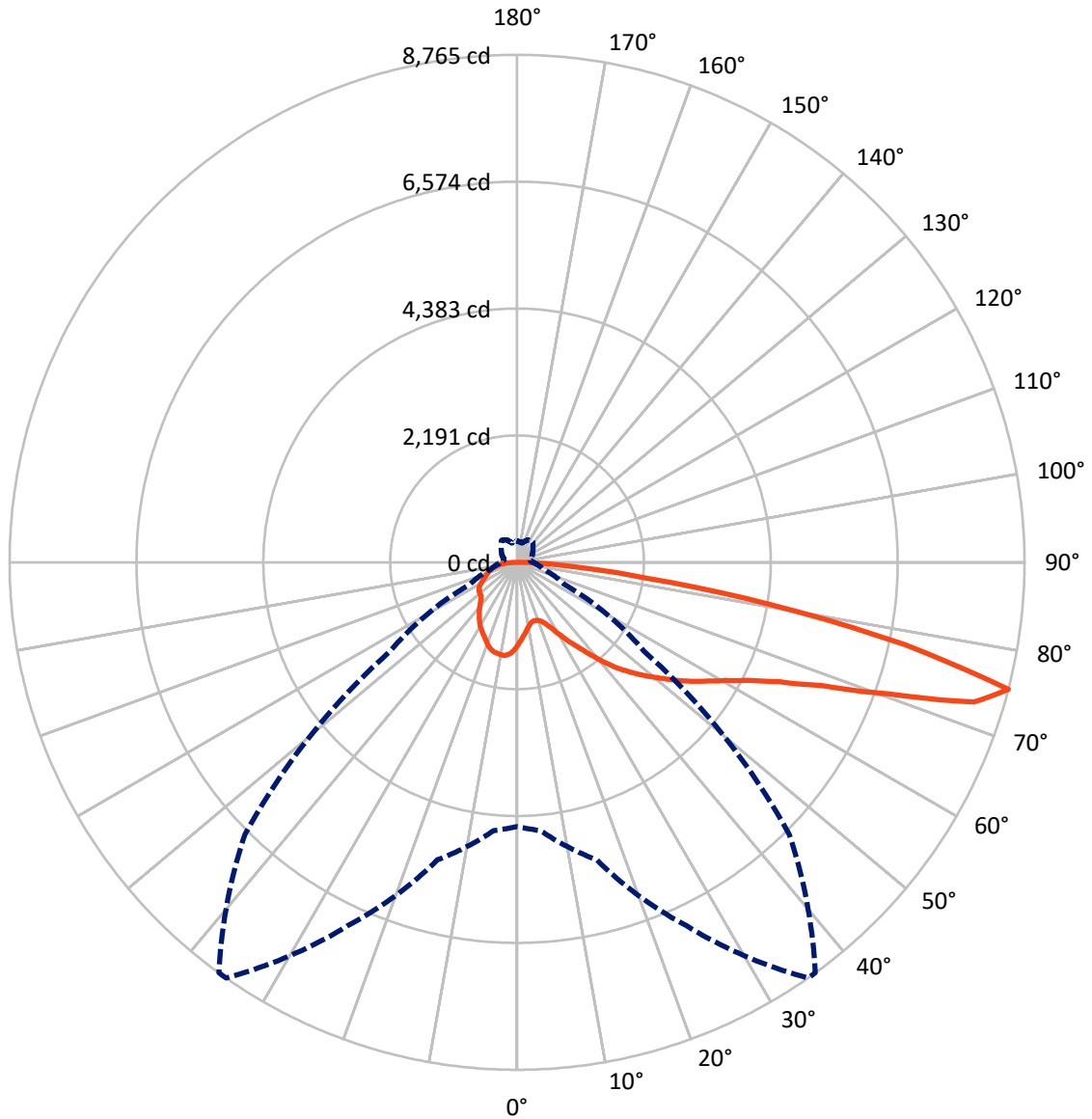
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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	2559.2	0.0	2559.2
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	8194.8	0.0	8194.8
	% Fixture	76.2	0.0	76.2
Total	Lumens	10754.0	0.0	10754.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.7	1.3
10°-20°	391.4	3.6
20°-30°	657.2	6.1
30°-40°	1021.4	9.5
40°-50°	1516.0	14.1
50°-60°	2092.9	19.5
60°-70°	2539.2	23.6
70°-80°	2098.4	19.5
80°-90°	301.8	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°	10754.0	100.0
0°-180°	10754.0	100.0

Coefficient of Utilization



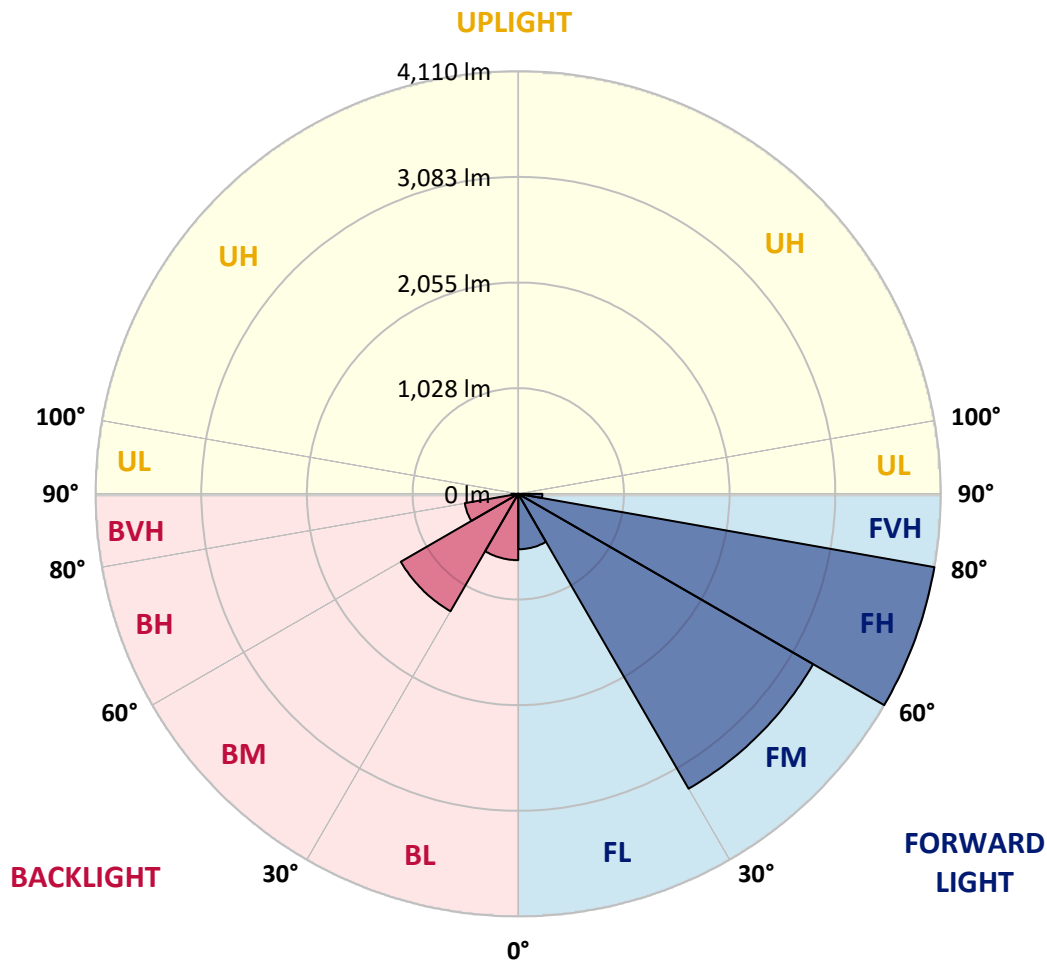
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	539.3	5.0			
FM (30°-60°)	3311.6	30.8			
FH (60°-80°)	4110.0	38.2			G2/5000
FVH (80°-90°)	233.9	2.2			G3/500
BL (0°-30°)	644.9	6.0	B2/1000		
BM (30°-60°)	1318.6	12.3	B2/2500		
BH (60°-80°)	527.6	4.9	B2/1000		G2/1000
BVH (80°-90°)	68.0	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-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	1433.0	1433.0	1433.0	1433.0	1433.0	1433.0	1433.0	1433.0	1433.0	1433.0
2.5°	1321.4	1329.6	1333.0	1331.3	1340.0	1338.9	1351.1	1366.2	1387.1	1407.5
5°	1219.7	1228.4	1236.0	1242.9	1259.8	1265.0	1284.2	1313.3	1351.7	1390.6
7.5°	1124.9	1132.5	1144.1	1156.9	1185.4	1190.6	1222.6	1267.9	1321.4	1378.4
10°	1047.6	1055.2	1067.4	1081.9	1117.4	1123.8	1164.5	1224.9	1294.7	1366.8
12.5°	1014.5	1016.8	1023.8	1038.3	1069.1	1073.2	1117.9	1187.1	1268.5	1358.0
15°	1012.7	1017.4	1018.0	1025.5	1051.1	1052.8	1094.1	1162.7	1252.2	1356.3
17.5°	1030.2	1033.7	1028.4	1033.1	1054.6	1057.5	1090.0	1151.1	1247.0	1363.9
20°	1076.7	1079.6	1063.9	1057.5	1073.2	1075.5	1107.5	1158.6	1252.2	1379.6
22.5°	1175.5	1177.2	1138.9	1112.7	1113.9	1115.0	1142.9	1189.5	1272.6	1408.0
25°	1329.6	1328.4	1267.4	1216.8	1187.7	1181.3	1199.9	1239.5	1306.9	1445.8
27.5°	1509.8	1501.1	1440.0	1364.4	1301.1	1291.8	1287.7	1304.6	1355.7	1495.8
30°	1713.3	1705.1	1639.4	1540.6	1452.8	1437.7	1399.3	1390.6	1428.4	1563.8
32.5°	1936.5	1931.3	1852.8	1733.0	1615.6	1598.1	1533.6	1510.4	1540.0	1666.7
35°	2123.7	2119.0	2053.9	1930.7	1787.1	1765.6	1699.9	1673.7	1688.8	1798.7
37.5°	2292.9	2290.5	2234.7	2137.6	1989.4	1963.2	1889.4	1880.7	1877.8	1972.5
40°	2449.8	2444.0	2385.9	2334.7	2224.9	2201.0	2135.9	2128.3	2106.3	2186.5
42.5°	2623.7	2608.5	2524.2	2500.4	2470.8	2451.0	2412.0	2413.2	2364.4	2427.7
45°	2765.5	2756.8	2670.2	2656.2	2688.2	2680.1	2713.8	2722.5	2627.7	2680.6
47.5°	2917.8	2909.7	2836.4	2826.6	2913.2	2915.5	3034.7	3037.6	2884.7	2943.4
50°	3105.6	3094.0	3021.3	3033.5	3130.6	3139.3	3357.3	3337.6	3121.3	3210.2
52.5°	3229.4	3236.4	3220.7	3240.5	3373.0	3381.2	3674.8	3624.2	3355.6	3473.6
55°	3320.7	3334.7	3383.5	3428.8	3628.8	3637.0	3974.2	3896.8	3549.8	3717.8
57.5°	3438.1	3418.4	3509.6	3598.0	3871.8	3893.3	4265.4	4159.6	3721.8	3928.2
60°	3606.7	3592.8	3663.7	3794.5	4143.9	4178.2	4573.5	4396.2	3848.0	4095.1
62.5°	3948.6	3913.7	3924.7	4040.4	4486.9	4532.3	4921.2	4602.6	3910.8	4160.2
65°	4459.6	4399.7	4343.9	4424.1	4970.0	5014.8	5313.6	4764.8	3887.5	4034.0
67.5°	5103.1	5043.8	4975.2	5050.8	5681.6	5717.1	5797.9	4856.1	3704.4	3548.0
70°	5633.9	5611.8	5693.8	6004.8	6818.1	6819.3	6418.8	4780.5	3202.7	2515.5
72.5°	5563.6	5550.2	5982.2	6943.7	8250.6	8219.8	7006.5	4208.4	2157.4	1134.8
75°	4564.2	4650.9	5320.0	6926.9	8765.1	8761.0	6646.6	2675.4	892.4	470.3
77.5°	2447.5	2584.7	3453.8	5114.2	6842.6	6945.5	4672.9	936.0	383.1	301.1
80°	798.2	918.0	1376.7	2603.9	4446.2	4427.0	2002.8	367.4	262.2	213.4
82.5°	338.9	352.9	615.1	1229.6	2281.8	2246.4	637.7	211.0	184.3	145.9
85°	132.5	148.2	271.5	568.6	988.3	966.8	230.2	104.6	118.0	95.3
87.5°	43.6	52.9	97.1	194.8	307.5	296.5	56.4	36.0	51.2	43.6
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°
1433.0	0°	1433.0	1433.0	1433.0	1433.0	1433.0	1433.0	1433.0	1433.0	1433.0	1433.0
1437.1	2.5°	1445.3	1454.6	1465.6	1481.9	1495.8	1507.5	1519.7	1527.2	1530.1	1538.9
1439.4	5°	1455.7	1476.1	1503.4	1530.1	1556.3	1572.0	1585.9	1592.9	1599.3	1604.0
1445.8	7.5°	1473.2	1499.3	1542.3	1577.2	1599.3	1612.1	1621.4	1619.1	1621.4	1622.6
1452.8	10°	1488.3	1524.9	1576.1	1609.2	1626.1	1626.6	1624.3	1616.2	1612.1	1612.7
1463.3	12.5°	1506.3	1547.0	1602.2	1630.1	1634.8	1622.0	1612.1	1598.1	1592.9	1590.6
1479.0	15°	1530.7	1577.2	1630.7	1641.2	1629.5	1613.3	1596.4	1573.7	1562.1	1552.8
1505.7	17.5°	1560.4	1611.5	1652.8	1645.2	1620.2	1593.5	1566.2	1531.9	1508.0	1498.2
1542.3	20°	1601.6	1647.6	1669.7	1636.5	1598.7	1558.0	1511.5	1469.7	1447.6	1437.7
1588.8	22.5°	1651.6	1695.8	1685.9	1621.4	1567.9	1502.8	1444.7	1413.9	1402.8	1395.8
1648.7	25°	1711.5	1749.3	1697.6	1599.3	1517.3	1429.6	1384.8	1374.9	1369.7	1364.4
1722.0	27.5°	1789.4	1809.8	1706.3	1566.8	1438.3	1351.7	1335.4	1337.1	1335.4	1326.7
1823.7	30°	1892.3	1888.2	1714.4	1513.9	1347.6	1281.3	1282.5	1290.0	1291.2	1285.4
1965.6	32.5°	2027.8	1986.5	1718.5	1445.3	1261.0	1219.7	1220.8	1229.0	1234.8	1224.9
2151.0	35°	2191.7	2101.0	1712.1	1359.2	1194.1	1161.0	1152.2	1154.6	1156.3	1147.0
2376.0	37.5°	2383.0	2229.5	1683.6	1263.9	1138.9	1103.4	1084.8	1069.1	1059.8	1051.1
2630.6	40°	2592.8	2369.6	1631.3	1170.9	1077.3	1042.4	1014.5	984.8	953.4	941.8
2900.4	42.5°	2812.6	2513.8	1567.9	1081.9	1006.3	977.8	948.2	905.2	858.1	834.2
3180.6	45°	3040.5	2661.4	1505.7	994.1	933.7	921.4	887.1	835.4	784.2	754.0
3461.4	47.5°	3263.7	2801.0	1414.4	905.8	865.6	879.0	852.3	804.6	747.6	700.0
3739.9	50°	3477.1	2931.8	1265.0	816.2	810.4	866.2	840.6	772.0	706.9	645.9
4013.1	52.5°	3688.7	3037.6	1073.8	734.8	780.8	862.7	825.5	749.9	670.3	606.4
4270.1	55°	3868.3	3092.2	889.5	665.1	737.7	833.1	807.5	723.8	618.6	550.5
4446.2	57.5°	3970.7	3048.1	736.0	596.5	678.4	784.2	776.7	668.0	556.9	504.6
4480.5	60°	3926.5	2869.0	610.4	536.6	622.1	731.3	723.2	612.7	509.8	460.4
4296.8	62.5°	3682.9	2527.7	511.0	484.3	570.9	677.3	669.7	570.3	473.8	426.1
3809.0	65°	3192.2	2056.3	433.7	440.7	519.2	612.2	623.2	534.8	445.3	398.8
2946.9	67.5°	2434.7	1489.4	373.2	402.9	468.6	548.2	580.2	509.3	421.5	377.3
1705.1	70°	1387.7	845.9	322.1	366.3	423.8	488.9	547.1	488.9	395.9	359.3
638.9	72.5°	526.1	388.3	278.5	329.6	380.8	438.9	510.4	456.9	366.3	338.9
330.2	75°	280.8	236.6	234.3	286.6	331.4	390.1	464.5	425.6	344.2	358.1
228.5	77.5°	191.3	167.4	195.9	245.3	277.3	336.0	415.7	377.9	298.2	297.1
158.1	80°	132.5	118.6	159.3	197.7	214.5	282.5	362.8	324.4	243.0	226.7
97.7	82.5°	79.6	77.3	119.2	147.7	151.7	218.0	300.6	272.1	198.8	173.2
58.1	85°	43.6	45.9	76.2	86.6	88.4	152.3	235.4	210.5	152.9	128.5
20.9	87.5°	12.2	15.7	27.9	34.3	42.4	79.1	140.1	125.0	76.7	53.5
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°
1433.0
1538.3
1605.1
1624.3
1613.8
1589.4
1555.7
1498.7
1436.5
1397.0
1364.4
1328.4
1288.3
1229.6
1153.4
1056.9
947.0
837.2
751.7
694.7
640.7
599.4
544.7
497.6
453.5
418.6
391.3
370.3
354.6
334.3
369.7
273.8
216.8
174.4
129.6
53.5
0.0

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