

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: P852223

Luminaire Tested: **GLAN-SB2B-730-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852223
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-730-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10751 lumens
Efficiency: N/A
Efficacy: 145.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

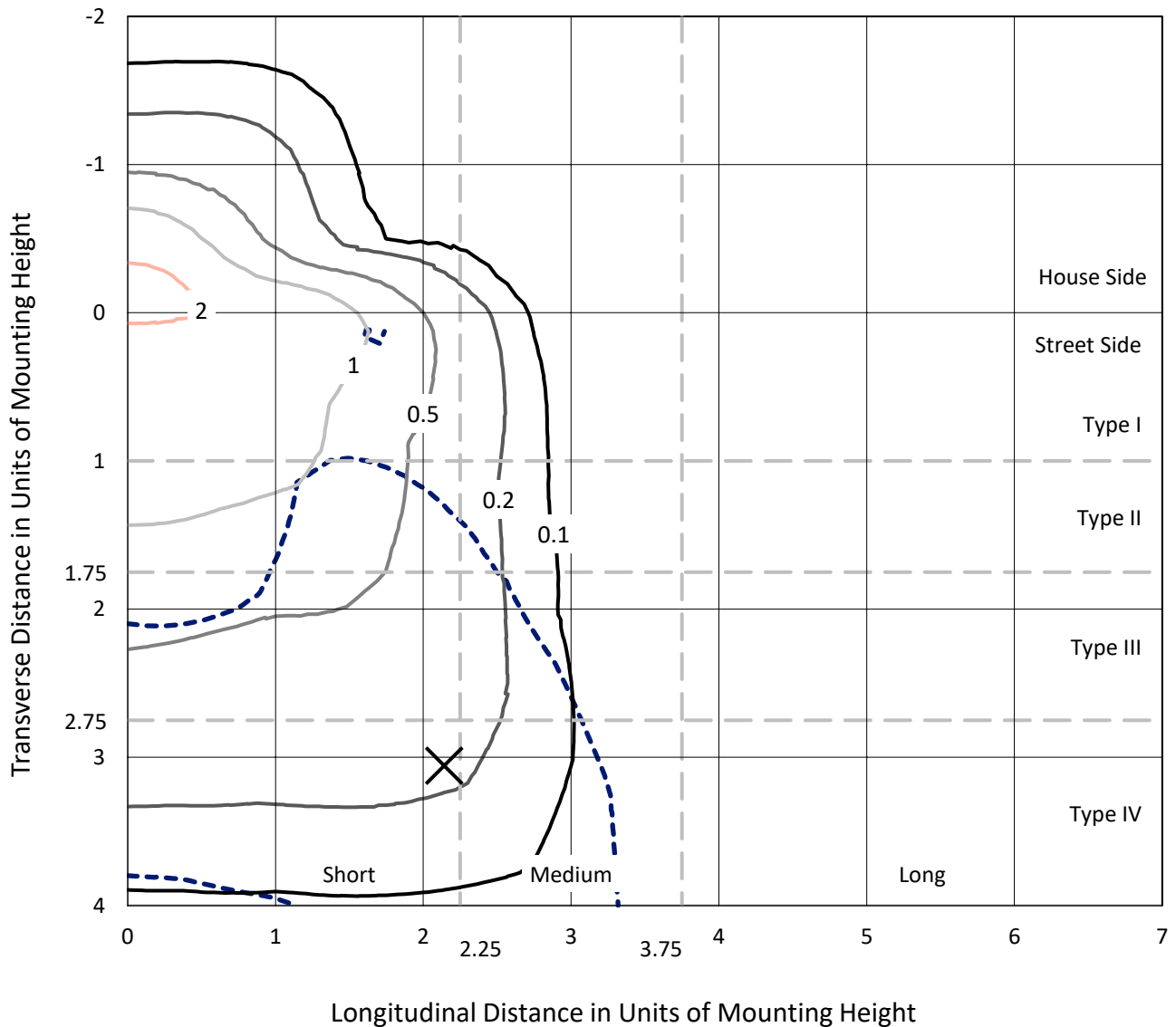
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

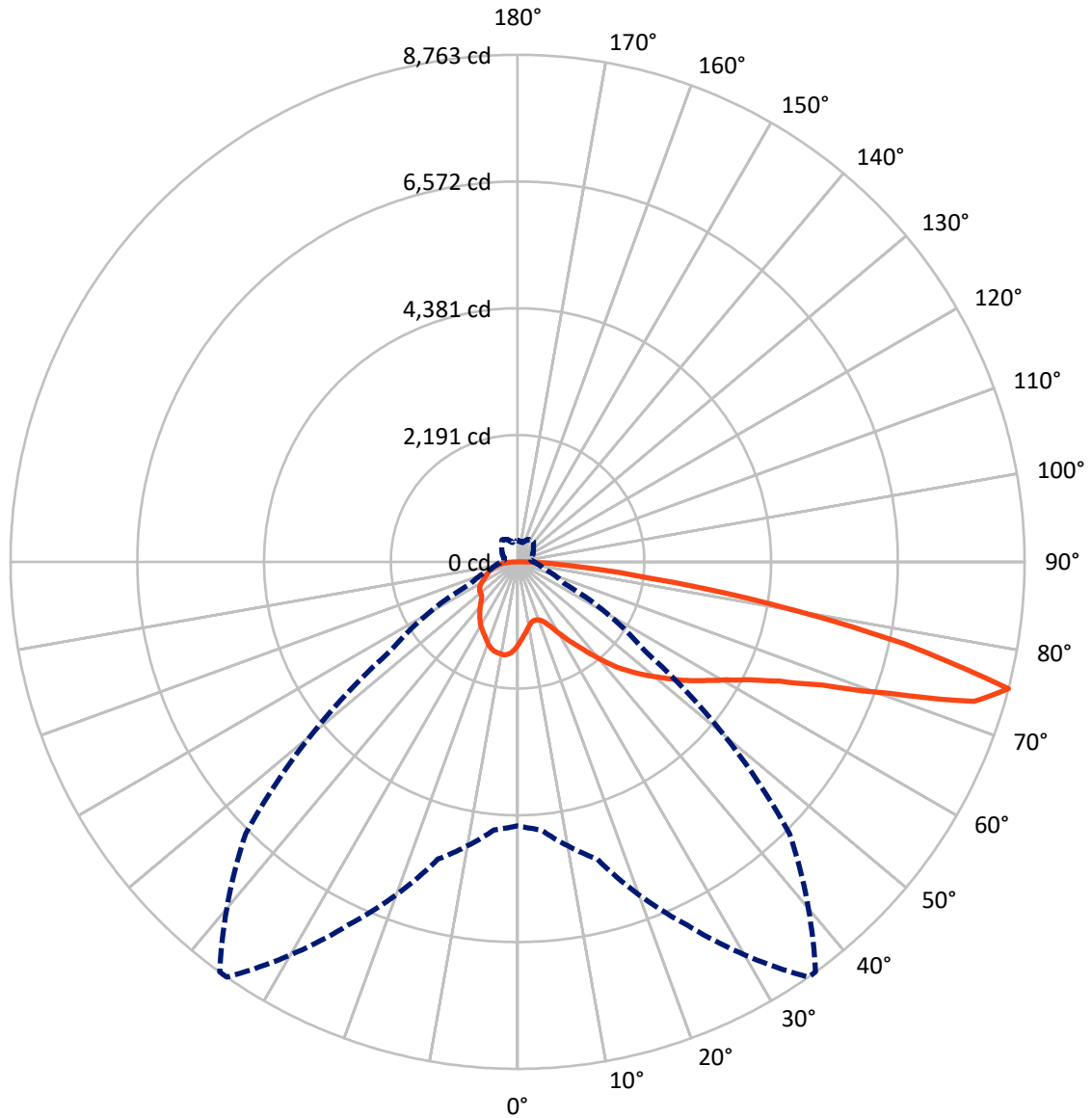
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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	2558.5	0.0	2558.5
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	8192.5	0.0	8192.5
	% Fixture	76.2	0.0	76.2
Total	Lumens	10751.0	0.0	10751.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.6	1.3
10°-20°	391.3	3.6
20°-30°	657.0	6.1
30°-40°	1021.1	9.5
40°-50°	1515.6	14.1
50°-60°	2092.3	19.5
60°-70°	2538.5	23.6
70°-80°	2097.9	19.5
80°-90°	301.7	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°	10751.0	100.0
0°-180°	10751.0	100.0

Coefficient of Utilization



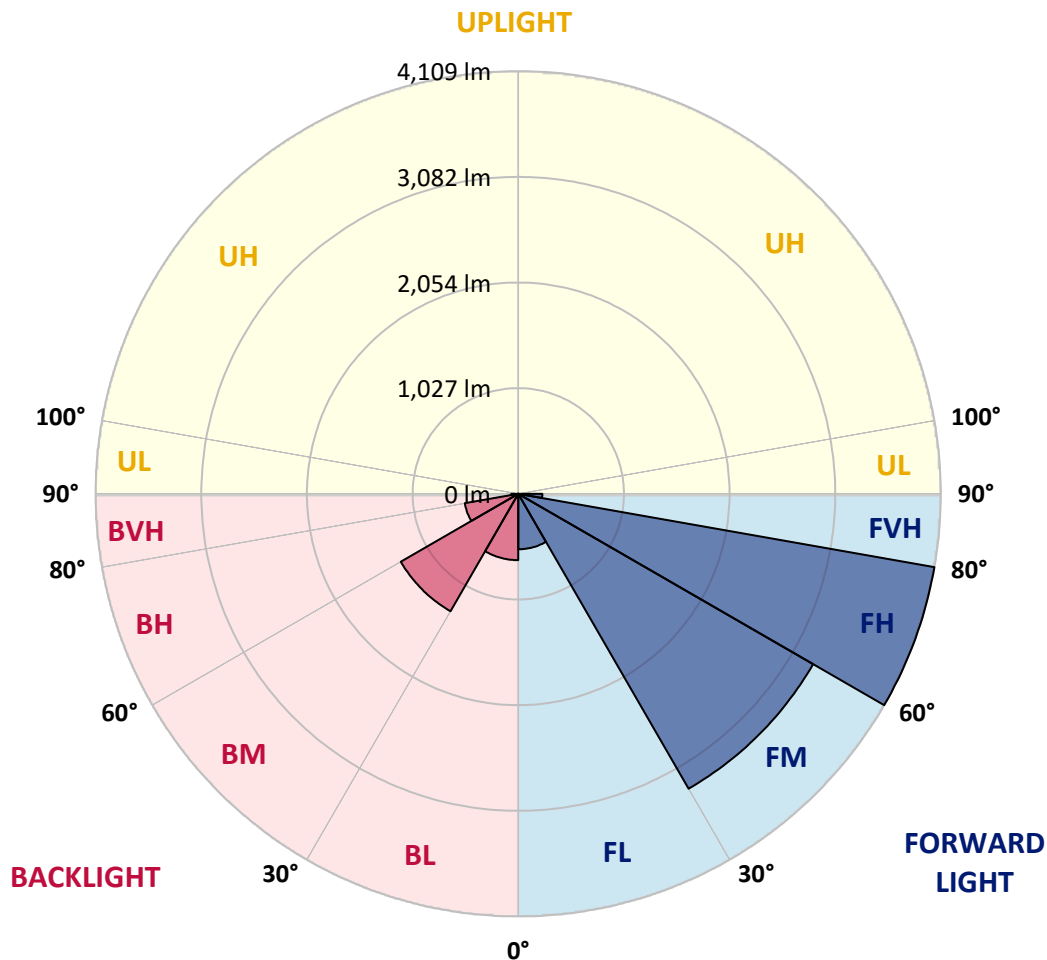
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	539.1	5.0			
FM (30°-60°)	3310.7	30.8			
FH (60°-80°)	4108.9	38.2			G2/5000
FVH (80°-90°)	233.8	2.2			G3/500
BL (0°-30°)	644.8	6.0	B2/1000		
BM (30°-60°)	1318.3	12.3	B2/2500		
BH (60°-80°)	527.5	4.9	B2/1000		G2/1000
BVH (80°-90°)	67.9	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°	1432.6	1432.6	1432.6	1432.6	1432.6	1432.6	1432.6	1432.6	1432.6	1432.6
2.5°	1321.1	1329.2	1332.7	1330.9	1339.7	1338.5	1350.7	1365.8	1386.7	1407.1
5°	1219.3	1228.1	1235.6	1242.6	1259.4	1264.7	1283.9	1312.9	1351.3	1390.2
7.5°	1124.6	1132.2	1143.8	1156.6	1185.1	1190.3	1222.3	1267.6	1321.1	1378.0
10°	1047.3	1054.9	1067.1	1081.6	1117.1	1123.4	1164.1	1224.6	1294.3	1366.4
12.5°	1014.2	1016.5	1023.5	1038.0	1068.8	1072.9	1117.6	1186.8	1268.2	1357.7
15°	1012.4	1017.1	1017.7	1025.2	1050.8	1052.5	1093.8	1162.4	1251.9	1355.9
17.5°	1029.9	1033.4	1028.1	1032.8	1054.3	1057.2	1089.7	1150.8	1246.7	1363.5
20°	1076.4	1079.3	1063.6	1057.2	1072.9	1075.2	1107.2	1158.3	1251.9	1379.2
22.5°	1175.2	1176.9	1138.6	1112.4	1113.6	1114.7	1142.6	1189.1	1272.2	1407.7
25°	1329.2	1328.0	1267.0	1216.4	1187.4	1181.0	1199.6	1239.1	1306.5	1445.4
27.5°	1509.4	1500.6	1439.6	1364.1	1300.7	1291.4	1287.3	1304.2	1355.3	1495.4
30°	1712.8	1704.6	1639.0	1540.2	1452.4	1437.3	1398.9	1390.2	1428.0	1563.4
32.5°	1936.0	1930.7	1852.3	1732.5	1615.1	1597.7	1533.2	1509.9	1539.6	1666.3
35°	2123.1	2118.5	2053.4	1930.1	1786.6	1765.1	1699.4	1673.3	1688.4	1798.2
37.5°	2292.2	2289.9	2234.1	2137.1	1988.8	1962.7	1888.9	1880.2	1877.3	1972.0
40°	2449.2	2443.3	2385.2	2334.1	2224.2	2200.4	2135.3	2127.8	2105.7	2185.9
42.5°	2622.9	2607.8	2523.5	2499.7	2470.1	2450.3	2411.4	2412.5	2363.7	2427.1
45°	2764.7	2756.0	2669.4	2655.5	2687.4	2679.3	2713.0	2721.7	2627.0	2679.9
47.5°	2917.0	2908.9	2835.6	2825.8	2912.4	2914.7	3033.8	3036.7	2883.9	2942.6
50°	3104.7	3093.1	3020.5	3032.7	3129.7	3138.4	3356.4	3336.6	3120.4	3209.4
52.5°	3228.5	3235.5	3219.8	3239.6	3372.1	3380.2	3673.7	3623.2	3354.7	3472.6
55°	3319.8	3333.7	3382.5	3427.9	3627.8	3636.0	3973.0	3895.7	3548.8	3716.7
57.5°	3437.2	3417.4	3508.7	3597.0	3870.8	3892.3	4264.2	4158.4	3720.8	3927.1
60°	3605.7	3591.8	3662.7	3793.5	4142.8	4177.0	4572.3	4395.0	3846.9	4093.9
62.5°	3947.5	3912.6	3923.6	4039.3	4485.7	4531.0	4919.8	4601.3	3909.7	4159.0
65°	4458.3	4398.5	4342.7	4422.9	4968.6	5013.4	5312.1	4763.5	3886.4	4032.9
67.5°	5101.7	5042.4	4973.9	5049.4	5680.0	5715.5	5796.2	4854.7	3703.4	3547.0
70°	5632.4	5610.3	5692.2	6003.2	6816.2	6817.4	6417.0	4779.2	3201.8	2514.8
72.5°	5562.0	5548.7	5980.5	6941.8	8248.3	8217.5	7004.6	4207.3	2156.8	1134.5
75°	4563.0	4649.6	5318.5	6924.9	8762.7	8758.6	6644.8	2674.7	892.1	470.2
77.5°	2446.8	2584.0	3452.9	5112.8	6840.7	6943.5	4671.6	935.7	383.0	301.1
80°	798.0	917.7	1376.3	2603.2	4445.0	4425.8	2002.2	367.3	262.1	213.3
82.5°	338.8	352.8	614.9	1229.2	2281.2	2245.7	637.6	211.0	184.2	145.9
85°	132.5	148.2	271.4	568.4	988.0	966.5	230.2	104.6	118.0	95.3
87.5°	43.6	52.9	97.1	194.7	307.5	296.4	56.4	36.0	51.1	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°
1432.6	0°	1432.6	1432.6	1432.6	1432.6	1432.6	1432.6	1432.6	1432.6	1432.6	1432.6
1436.7	2.5°	1444.8	1454.1	1465.2	1481.5	1495.4	1507.0	1519.2	1526.8	1529.7	1538.4
1439.0	5°	1455.3	1475.7	1503.0	1529.7	1555.9	1571.5	1585.5	1592.5	1598.9	1603.5
1445.4	7.5°	1472.7	1498.9	1541.9	1576.8	1598.9	1611.7	1621.0	1618.6	1621.0	1622.1
1452.4	10°	1487.9	1524.5	1575.6	1608.7	1625.6	1626.2	1623.9	1615.7	1611.7	1612.2
1462.9	12.5°	1505.9	1546.6	1601.8	1629.7	1634.3	1621.5	1611.7	1597.7	1592.5	1590.1
1478.6	15°	1530.3	1576.8	1630.2	1640.7	1629.1	1612.8	1596.0	1573.3	1561.7	1552.4
1505.3	17.5°	1559.9	1611.1	1652.3	1644.8	1619.8	1593.1	1565.7	1531.4	1507.6	1497.7
1541.9	20°	1601.2	1647.1	1669.2	1636.1	1598.3	1557.6	1511.1	1469.3	1447.2	1437.3
1588.4	22.5°	1651.2	1695.3	1685.5	1621.0	1567.5	1502.4	1444.3	1413.5	1402.4	1395.4
1648.3	25°	1711.0	1748.8	1697.1	1598.9	1516.9	1429.2	1384.4	1374.5	1369.3	1364.1
1721.5	27.5°	1788.9	1809.3	1705.8	1566.3	1437.9	1351.3	1335.0	1336.7	1335.0	1326.3
1823.2	30°	1891.8	1887.7	1713.9	1513.4	1347.2	1281.0	1282.1	1289.7	1290.8	1285.0
1965.0	32.5°	2027.2	1985.9	1718.0	1444.8	1260.6	1219.3	1220.5	1228.6	1234.5	1224.6
2150.4	35°	2191.1	2100.4	1711.6	1358.8	1193.8	1160.6	1151.9	1154.3	1156.0	1146.7
2375.3	37.5°	2382.3	2228.9	1683.1	1263.5	1138.6	1103.1	1084.5	1068.8	1059.5	1050.8
2629.9	40°	2592.1	2368.9	1630.8	1170.5	1077.0	1042.1	1014.2	984.5	953.2	941.5
2899.6	42.5°	2811.8	2513.1	1567.5	1081.6	1006.0	977.6	947.9	904.9	857.8	834.0
3179.7	45°	3039.6	2660.7	1505.3	993.8	933.4	921.2	886.9	835.2	784.0	753.8
3460.4	47.5°	3262.8	2800.2	1414.0	905.5	865.4	878.8	852.0	804.4	747.4	699.8
3738.8	50°	3476.1	2931.0	1264.7	816.0	810.2	866.0	840.4	771.8	706.7	645.7
4012.0	52.5°	3687.7	3036.7	1073.5	734.6	780.5	862.5	825.3	749.7	670.1	606.2
4268.9	55°	3867.3	3091.4	889.2	664.9	737.5	832.9	807.3	723.6	618.4	550.4
4445.0	57.5°	3969.6	3047.2	735.8	596.3	678.3	784.0	776.5	667.8	556.8	504.5
4479.3	60°	3925.4	2868.2	610.3	536.4	621.9	731.1	723.0	612.6	509.7	460.3
4295.6	62.5°	3681.9	2527.0	510.9	484.1	570.7	677.1	669.5	570.2	473.7	426.0
3808.0	65°	3191.3	2055.7	433.6	440.5	519.0	612.0	623.0	534.7	445.2	398.7
2946.1	67.5°	2434.0	1489.0	373.1	402.8	468.4	548.1	580.0	509.1	421.4	377.2
1704.6	70°	1387.3	845.6	322.0	366.2	423.7	488.8	546.9	488.8	395.8	359.2
638.7	72.5°	526.0	388.2	278.4	329.5	380.7	438.8	510.3	456.8	366.2	338.8
330.1	75°	280.7	236.5	234.2	286.5	331.3	390.0	464.4	425.4	344.1	358.0
228.4	77.5°	191.2	167.4	195.9	245.3	277.2	335.9	415.6	377.8	298.2	297.0
158.1	80°	132.5	118.6	159.2	197.6	214.5	282.5	362.7	324.3	242.9	226.7
97.6	82.5°	79.6	77.3	119.1	147.6	151.7	217.9	300.5	272.0	198.8	173.2
58.1	85°	43.6	45.9	76.1	86.6	88.3	152.3	235.4	210.4	152.9	128.4
20.9	87.5°	12.2	15.7	27.9	34.3	42.4	79.0	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°
1432.6
1537.8
1604.7
1623.9
1613.4
1589.0
1555.3
1498.3
1436.1
1396.6
1364.1
1328.0
1287.9
1229.2
1153.1
1056.6
946.8
836.9
751.5
694.5
640.5
599.2
544.6
497.5
453.3
418.5
391.1
370.2
354.5
334.2
369.6
273.7
216.8
174.4
129.6
53.5
0.0

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