

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: P852323

Luminaire Tested: **GLAN-SB3A-727-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852323
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-727-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 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: 11830 lumens
Efficiency: N/A
Efficacy: 139.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

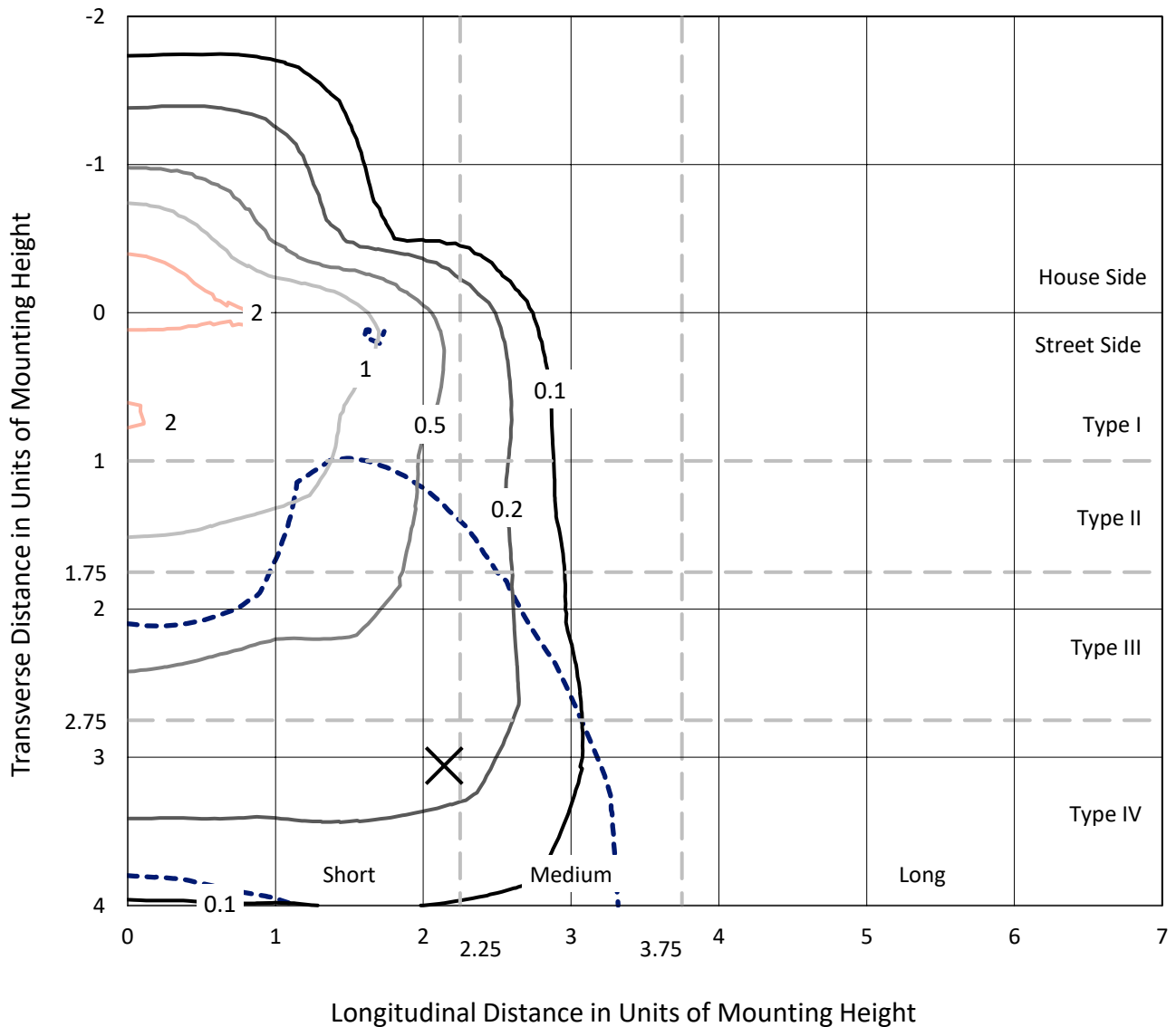
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

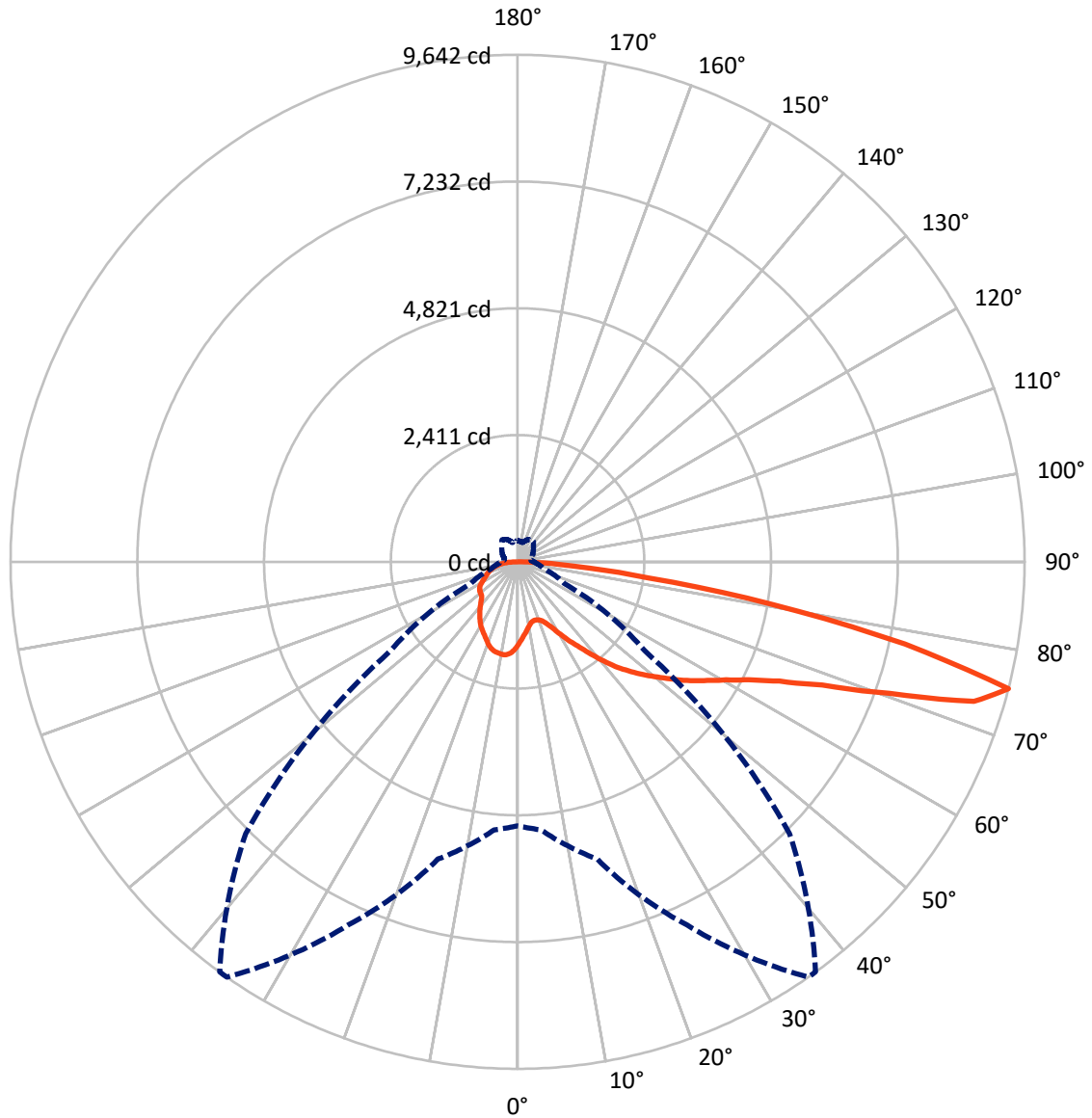
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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	2815.2	0.0	2815.2
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	9014.7	0.0	9014.7
	% Fixture	76.2	0.0	76.2
Total	Lumens	11830.0	0.0	11830.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.3	1.3
10°-20°	430.5	3.6
20°-30°	723.0	6.1
30°-40°	1123.6	9.5
40°-50°	1667.7	14.1
50°-60°	2302.3	19.5
60°-70°	2793.3	23.6
70°-80°	2308.4	19.5
80°-90°	332.0	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°	11830.0	100.0
0°-180°	11830.0	100.0

Coefficient of Utilization



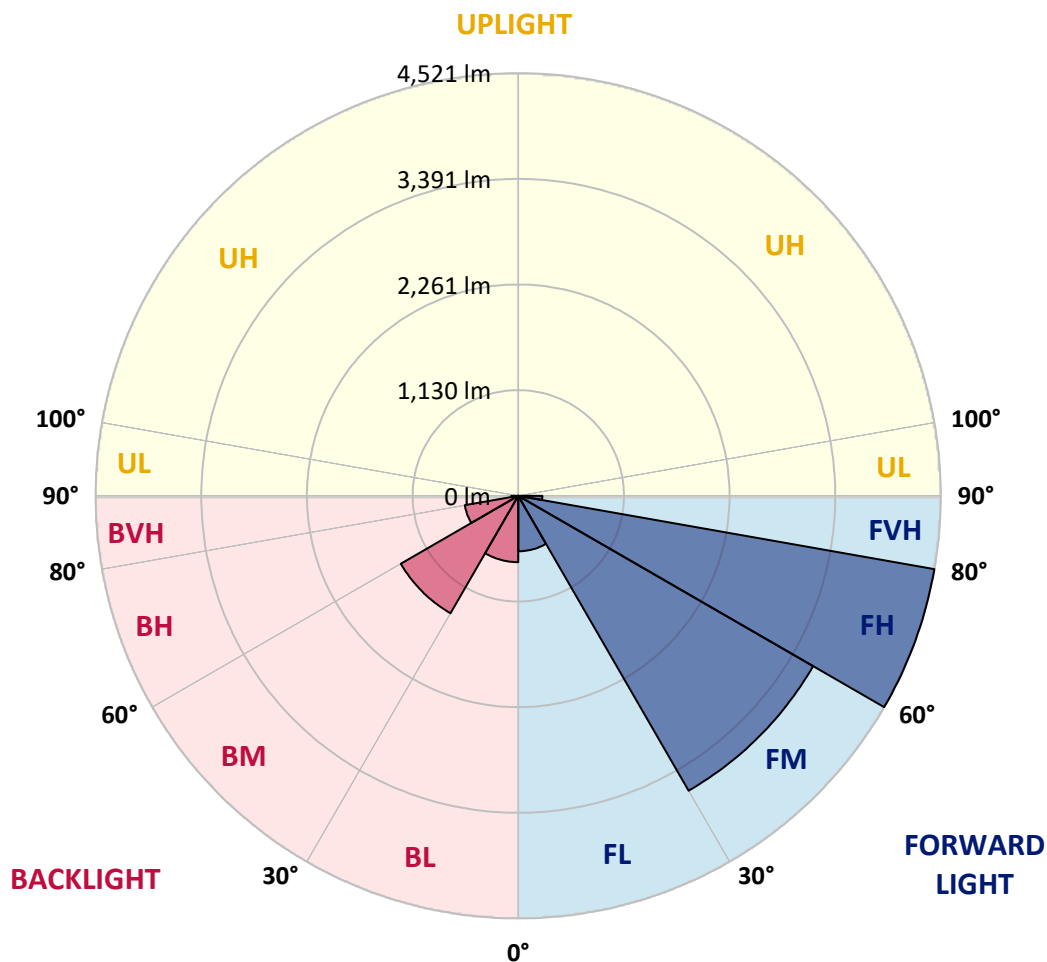
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	593.3	5.0			
FM (30°-60°)	3643.0	30.8			
FH (60°-80°)	4521.2	38.2			G2/5000
FVH (80°-90°)	257.3	2.2			G3/500
BL (0°-30°)	709.5	6.0	B2/1000		
BM (30°-60°)	1450.6	12.3	B2/2500		
BH (60°-80°)	580.4	4.9	B2/1000		G2/1000
BVH (80°-90°)	74.8	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°	1576.4	1576.4	1576.4	1576.4	1576.4	1576.4	1576.4	1576.4	1576.4	1576.4
2.5°	1453.6	1462.6	1466.4	1464.5	1474.1	1472.8	1486.3	1502.9	1525.9	1548.3
5°	1341.7	1351.3	1359.6	1367.3	1385.8	1391.6	1412.7	1444.7	1486.9	1529.7
7.5°	1237.5	1245.8	1258.6	1272.7	1304.0	1309.7	1344.9	1394.8	1453.6	1516.3
10°	1152.4	1160.7	1174.2	1190.2	1229.2	1236.2	1281.0	1347.5	1424.2	1503.5
12.5°	1116.0	1118.5	1126.2	1142.2	1176.1	1180.6	1229.8	1305.9	1395.4	1493.9
15°	1114.1	1119.2	1119.8	1128.1	1156.3	1158.2	1203.6	1279.0	1377.5	1492.0
17.5°	1133.2	1137.1	1131.3	1136.4	1160.1	1163.3	1199.1	1266.3	1371.8	1500.3
20°	1184.4	1187.6	1170.3	1163.3	1180.6	1183.1	1218.3	1274.6	1377.5	1517.6
22.5°	1293.1	1295.0	1252.8	1224.0	1225.3	1226.6	1257.3	1308.5	1399.9	1548.9
25°	1462.6	1461.3	1394.2	1338.5	1306.5	1299.5	1320.0	1363.5	1437.7	1590.5
27.5°	1660.8	1651.3	1584.1	1501.0	1431.3	1421.0	1416.5	1435.1	1491.4	1645.5
30°	1884.7	1875.7	1803.5	1694.7	1598.2	1581.5	1539.3	1529.7	1571.3	1720.3
32.5°	2130.3	2124.5	2038.2	1906.4	1777.2	1758.1	1687.1	1661.5	1694.1	1833.5
35°	2336.2	2331.1	2259.4	2123.9	1965.9	1942.2	1870.0	1841.2	1857.8	1978.7
37.5°	2522.3	2519.7	2458.3	2351.5	2188.5	2159.7	2078.5	2068.9	2065.7	2169.9
40°	2695.0	2688.6	2624.6	2568.3	2447.5	2421.2	2349.6	2341.3	2317.0	2405.3
42.5°	2886.2	2869.5	2776.8	2750.6	2718.0	2696.2	2653.4	2654.7	2600.9	2670.7
45°	3042.2	3032.6	2937.3	2922.0	2957.2	2948.2	2985.3	2994.9	2890.7	2948.8
47.5°	3209.8	3200.8	3120.2	3109.4	3204.7	3207.2	3338.3	3341.5	3173.3	3237.9
50°	3416.3	3403.5	3323.6	3337.0	3443.8	3453.4	3693.3	3671.5	3433.6	3531.5
52.5°	3552.6	3560.2	3543.0	3564.7	3710.5	3719.5	4042.4	3986.8	3691.3	3821.2
55°	3653.0	3668.3	3722.0	3771.9	3991.9	4000.9	4371.8	4286.7	3904.9	4089.8
57.5°	3782.1	3760.4	3860.8	3958.0	4259.2	4282.9	4692.2	4575.8	4094.2	4321.3
60°	3967.6	3952.3	4030.3	4174.2	4558.5	4596.3	5031.1	4836.1	4233.0	4504.8
62.5°	4343.6	4305.3	4317.4	4444.7	4935.8	4985.7	5413.6	5063.1	4302.1	4576.4
65°	4905.8	4839.9	4778.5	4866.8	5467.3	5516.5	5845.3	5241.5	4276.5	4437.7
67.5°	5613.7	5548.5	5473.0	5556.2	6250.1	6289.1	6378.0	5341.9	4075.0	3903.0
70°	6197.6	6173.3	6263.5	6605.6	7500.3	7501.6	7061.0	5258.8	3523.1	2767.2
72.5°	6120.2	6105.5	6580.7	7638.5	9076.1	9042.2	7707.5	4629.5	2373.3	1248.4
75°	5020.9	5116.2	5852.3	7619.9	9642.1	9637.6	7311.7	2943.1	981.7	517.4
77.5°	2692.4	2843.3	3799.4	5625.9	7527.2	7640.4	5140.5	1029.6	421.4	331.3
80°	878.1	1009.8	1514.4	2864.4	4891.1	4870.0	2203.2	404.2	288.4	234.7
82.5°	372.8	388.2	676.6	1352.6	2510.1	2471.1	701.6	232.1	202.7	160.5
85°	145.8	163.1	298.7	625.5	1087.2	1063.5	253.3	115.1	129.8	104.9
87.5°	48.0	58.2	106.8	214.2	338.3	326.2	62.0	39.7	56.3	48.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1576.4	0°	1576.4	1576.4	1576.4	1576.4	1576.4	1576.4	1576.4	1576.4	1576.4	1576.4
1580.9	2.5°	1589.9	1600.1	1612.2	1630.1	1645.5	1658.3	1671.7	1680.0	1683.2	1692.8
1583.5	5°	1601.4	1623.8	1653.8	1683.2	1712.0	1729.3	1744.6	1752.3	1759.3	1764.4
1590.5	7.5°	1620.6	1649.3	1696.7	1735.0	1759.3	1773.4	1783.6	1781.1	1783.6	1784.9
1598.2	10°	1637.2	1677.5	1733.8	1770.2	1788.7	1789.4	1786.8	1777.9	1773.4	1774.0
1609.7	12.5°	1657.0	1701.8	1762.5	1793.2	1798.3	1784.3	1773.4	1758.1	1752.3	1749.7
1626.9	15°	1683.9	1735.0	1793.9	1805.4	1792.6	1774.7	1756.1	1731.2	1718.4	1708.2
1656.4	17.5°	1716.5	1772.8	1818.2	1809.9	1782.4	1752.9	1722.9	1685.1	1658.9	1648.1
1696.7	20°	1761.9	1812.4	1836.7	1800.3	1758.7	1713.9	1662.8	1616.7	1592.4	1581.5
1747.8	22.5°	1816.9	1865.5	1854.6	1783.6	1724.8	1653.2	1589.2	1555.3	1543.2	1535.5
1813.7	25°	1882.8	1924.3	1867.4	1759.3	1669.2	1572.6	1523.3	1512.5	1506.7	1501.0
1894.3	27.5°	1968.5	1990.8	1877.0	1723.5	1582.2	1486.9	1469.0	1470.9	1469.0	1459.4
2006.2	30°	2081.7	2077.2	1886.0	1665.3	1482.4	1409.5	1410.8	1419.1	1420.4	1414.0
2162.2	32.5°	2230.7	2185.3	1890.4	1589.9	1387.1	1341.7	1343.0	1352.0	1358.3	1347.5
2366.2	35°	2411.0	2311.2	1883.4	1495.2	1313.6	1277.1	1267.5	1270.1	1272.0	1261.8
2613.7	37.5°	2621.4	2452.6	1852.1	1390.3	1252.8	1213.8	1193.4	1176.1	1165.9	1156.3
2893.8	40°	2852.3	2606.7	1794.5	1288.0	1185.0	1146.7	1116.0	1083.4	1048.8	1036.0
3190.6	42.5°	3094.0	2765.3	1724.8	1190.2	1107.0	1075.7	1043.1	995.7	943.9	917.7
3498.8	45°	3344.7	2927.7	1656.4	1093.6	1027.1	1013.6	975.9	919.0	862.7	829.5
3807.7	47.5°	3590.3	3081.2	1556.0	996.4	952.3	967.0	937.5	885.1	822.4	770.0
4114.1	50°	3825.0	3225.1	1391.6	897.9	891.5	952.9	924.8	849.3	777.7	710.5
4414.6	52.5°	4057.8	3341.5	1181.2	808.4	858.9	949.1	908.1	825.0	737.4	667.0
4697.3	55°	4255.4	3401.6	978.5	731.6	811.6	916.4	888.3	796.2	680.5	605.6
4891.1	57.5°	4368.0	3353.0	809.6	656.2	746.3	862.7	854.4	734.8	612.7	555.1
4928.8	60°	4319.3	3156.1	671.5	590.3	684.3	804.5	795.6	674.1	560.9	506.5
4726.7	62.5°	4051.4	2780.7	562.1	532.7	628.0	745.0	736.7	627.4	521.2	468.8
4190.2	65°	3511.6	2262.0	477.1	484.8	571.1	673.4	685.6	588.4	489.9	438.7
3241.7	67.5°	2678.3	1638.5	410.6	443.2	515.5	603.1	638.2	560.2	463.7	415.1
1875.7	70°	1526.5	930.5	354.3	402.9	466.2	537.8	601.8	537.8	435.5	395.2
702.8	72.5°	578.8	427.2	306.3	362.6	418.9	482.8	561.5	502.7	402.9	372.8
363.2	75°	308.9	260.3	257.7	315.3	364.5	429.1	511.0	468.1	378.6	393.9
251.3	77.5°	210.4	184.2	215.5	269.9	305.1	369.6	457.3	415.7	328.1	326.8
174.0	80°	145.8	130.5	175.2	217.4	236.0	310.8	399.1	356.9	267.3	249.4
107.4	82.5°	87.6	85.1	131.1	162.4	166.9	239.8	330.6	299.3	218.7	190.6
64.0	85°	48.0	50.5	83.8	95.3	97.2	167.6	259.0	231.5	168.2	141.3
23.0	87.5°	13.4	17.3	30.7	37.7	46.7	87.0	154.1	137.5	84.4	58.8
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°
1576.4
1692.2
1765.7
1786.8
1775.3
1748.5
1711.4
1648.7
1580.3
1536.8
1501.0
1461.3
1417.2
1352.6
1268.8
1162.7
1041.8
920.9
826.9
764.2
704.8
659.3
599.2
547.4
498.8
460.5
430.4
407.4
390.1
367.7
406.7
301.2
238.5
191.9
142.6
58.8
0.0

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