

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: P847353

Luminaire Tested: **GLAN-SB3B-930-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847353
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-SB3B-930-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11299 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

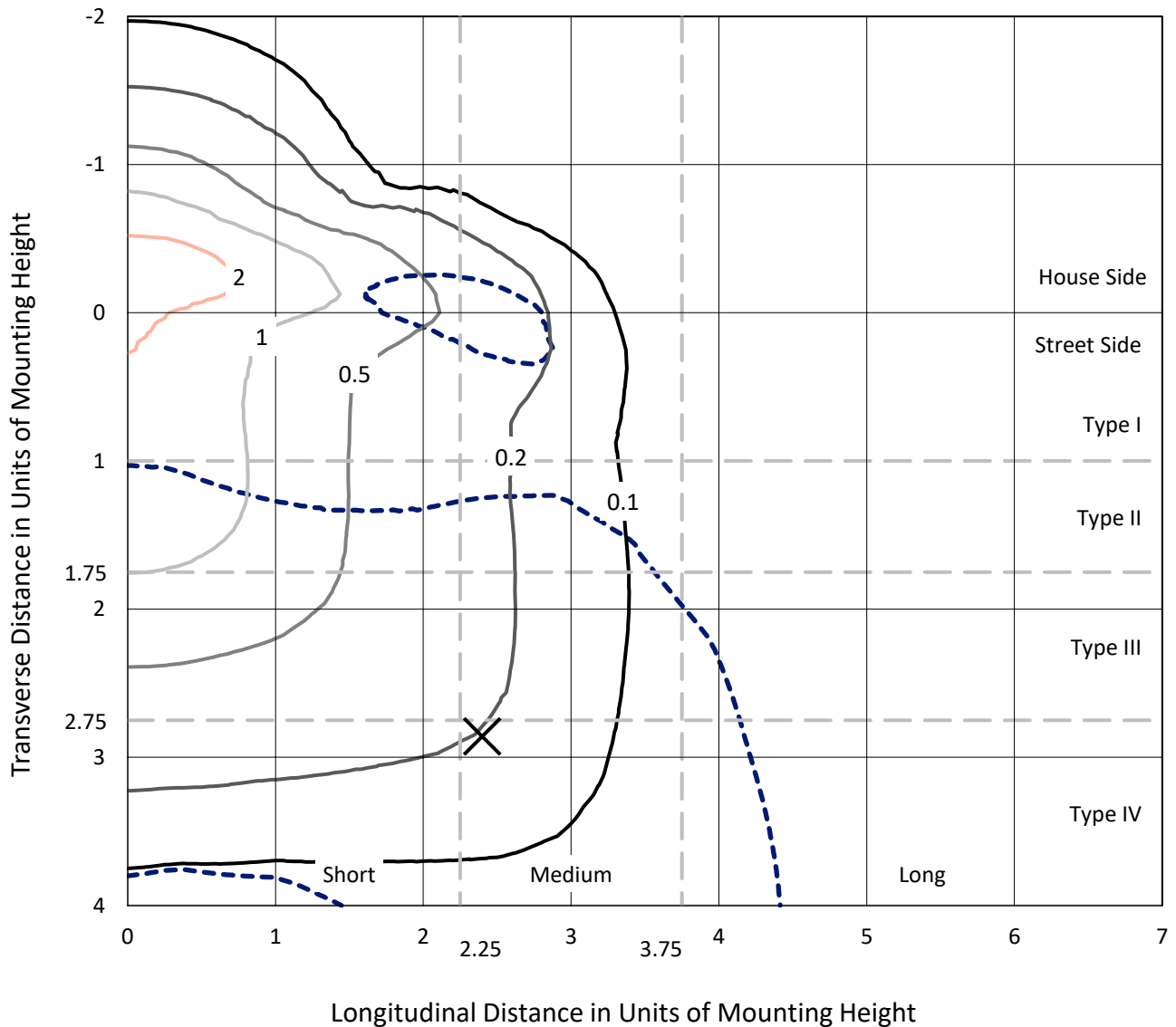
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

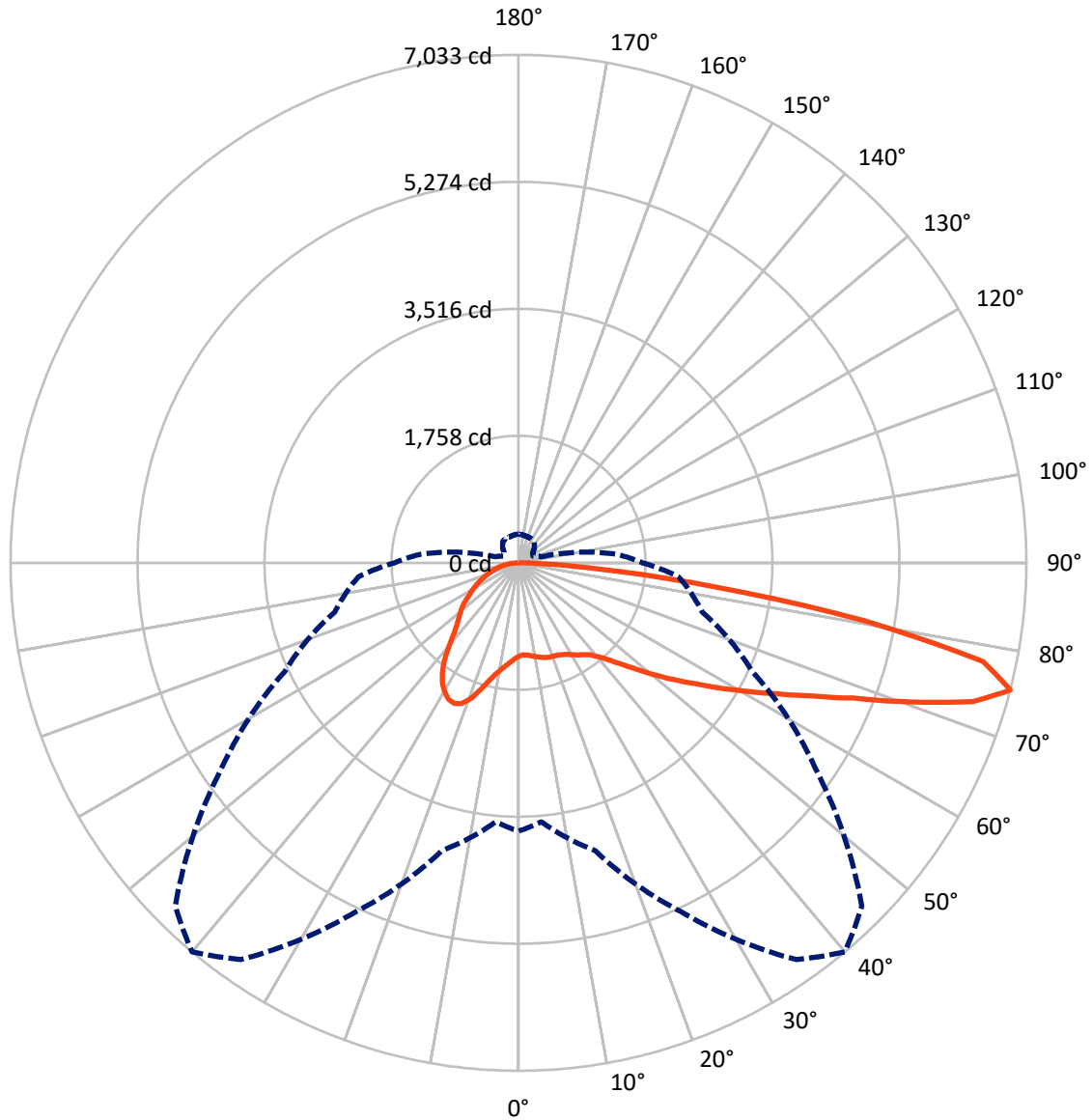
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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	3500.8	0.0	3500.8
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	7798.2	0.0	7798.2
	% Fixture	69.0	0.0	69.0
Total	Lumens	11299.0	0.0	11299.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.0	1.1
10°-20°	433.0	3.8
20°-30°	790.7	7.0
30°-40°	1121.4	9.9
40°-50°	1514.2	13.4
50°-60°	2037.0	18.0
60°-70°	2585.4	22.9
70°-80°	2346.4	20.8
80°-90°	342.0	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°	11299.0	100.0
0°-180°	11299.0	100.0

Coefficient of Utilization

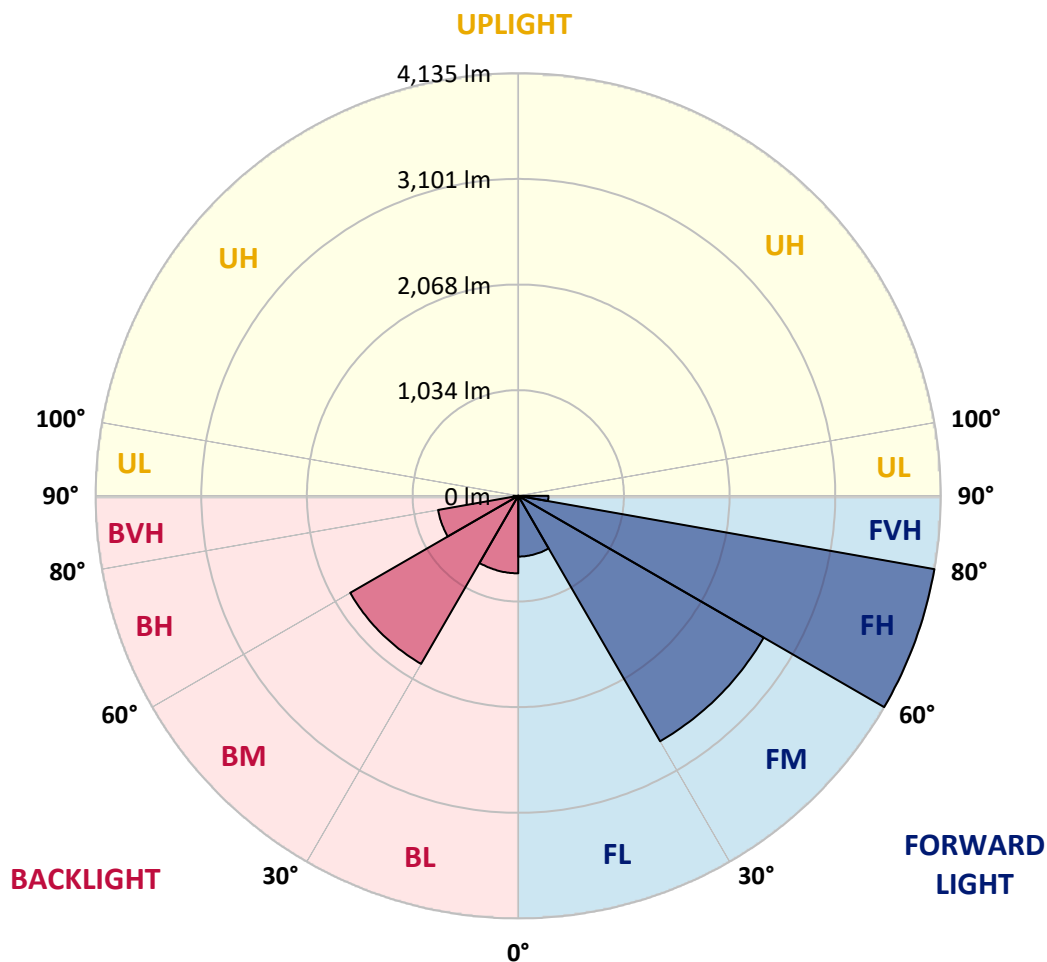


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	594.3	5.3			
FM (30°-60°)	2773.6	24.5			
FH (60°-80°)	4135.3	36.6			G2/5000
FVH (80°-90°)	294.9	2.6			G3/500
BL (0°-30°)	758.3	6.7	B2/1000		
BM (30°-60°)	1898.9	16.8	B2/2500		
BH (60°-80°)	796.5	7.0	B2/1000		G2/1000
BVH (80°-90°)	47.1	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°	1292.1	1292.1	1292.1	1292.1	1292.1	1292.1	1292.1	1292.1	1292.1	1292.1
2.5°	1272.3	1279.5	1277.7	1275.3	1275.3	1275.3	1275.3	1279.5	1283.7	1287.9
5°	1285.5	1292.7	1289.1	1286.1	1283.7	1283.7	1281.3	1280.7	1283.1	1288.5
7.5°	1311.2	1318.4	1313.0	1307.6	1302.8	1302.8	1298.0	1294.5	1292.7	1295.7
10°	1340.0	1347.2	1340.6	1331.0	1323.2	1320.2	1317.8	1314.2	1311.8	1313.6
12.5°	1368.8	1376.0	1367.0	1353.8	1343.6	1341.8	1338.8	1337.6	1337.0	1336.4
15°	1395.7	1401.7	1390.3	1374.8	1364.0	1361.0	1358.0	1359.8	1362.8	1366.4
17.5°	1416.7	1422.7	1405.9	1385.5	1375.4	1374.2	1372.4	1378.4	1386.7	1395.7
20°	1435.9	1441.9	1420.3	1392.7	1380.7	1380.7	1381.3	1393.9	1405.9	1419.1
22.5°	1462.9	1467.6	1441.3	1403.5	1386.1	1387.3	1392.1	1404.7	1419.7	1437.7
25°	1503.0	1506.6	1474.2	1423.9	1404.1	1407.7	1411.9	1417.9	1432.3	1453.3
27.5°	1567.7	1570.7	1528.2	1459.9	1429.9	1435.9	1441.9	1437.7	1444.3	1462.3
30°	1658.8	1660.6	1606.7	1516.2	1473.6	1476.6	1477.8	1460.5	1447.9	1462.3
32.5°	1766.7	1766.1	1702.0	1584.5	1523.4	1520.4	1510.2	1476.0	1446.7	1459.3
35°	1933.9	1927.3	1844.6	1680.4	1579.7	1561.1	1537.2	1493.4	1452.7	1456.3
37.5°	2210.8	2190.4	2075.9	1837.4	1663.6	1616.3	1580.9	1521.6	1465.8	1455.1
40°	2523.0	2497.2	2371.4	2052.5	1789.5	1713.4	1656.4	1561.7	1487.4	1460.5
42.5°	2893.3	2856.8	2721.3	2306.0	1948.9	1838.6	1752.9	1612.7	1519.2	1477.8
45°	3348.2	3299.7	3107.9	2591.9	2149.6	2002.8	1888.3	1690.0	1567.7	1511.4
47.5°	3807.8	3819.8	3547.2	2919.1	2390.5	2205.4	2057.9	1806.2	1638.4	1565.3
50°	4296.3	4304.7	3984.0	3281.7	2663.8	2434.3	2248.5	1936.3	1736.7	1642.0
52.5°	4677.4	4678.6	4380.8	3661.0	2948.5	2686.0	2454.1	2084.9	1850.6	1743.9
55°	4915.9	4912.9	4658.8	4020.0	3275.7	2950.3	2681.8	2253.9	1989.6	1863.8
57.5°	5089.1	5080.1	4850.6	4328.6	3624.5	3262.5	2939.5	2445.7	2153.8	2006.4
60°	5155.0	5149.6	4980.6	4595.3	3991.2	3607.7	3236.7	2660.2	2340.2	2174.8
62.5°	5180.2	5190.4	5108.3	4853.6	4383.8	3990.0	3563.3	2916.7	2550.0	2365.4
65°	5268.9	5287.5	5270.7	5191.6	4827.2	4437.7	3996.6	3221.7	2778.9	2569.7
67.5°	5444.5	5463.1	5470.3	5596.1	5369.0	4995.6	4537.2	3601.7	3046.8	2781.9
70°	5440.3	5434.9	5562.0	5917.9	6047.4	5768.1	5265.9	4069.1	3366.2	2958.1
72.5°	4951.9	4908.7	5209.0	5914.3	6611.9	6574.7	6155.8	4672.0	3641.8	2979.6
75°	3715.0	3599.9	4130.3	5330.0	6706.0	7032.6	6721.6	5046.0	3576.5	2632.7
77.5°	1588.7	1473.0	2098.1	3945.7	6001.8	6574.1	6202.6	4402.3	2855.0	1740.9
80°	415.9	415.3	634.0	1788.9	4081.7	4854.8	4259.1	2843.0	1631.3	622.1
82.5°	172.0	167.8	233.1	695.8	1994.4	2724.3	2223.3	1268.1	589.1	168.4
85°	64.1	63.5	113.3	240.3	703.6	1123.7	813.2	324.2	146.8	82.1
87.5°	18.0	17.4	24.6	83.3	171.4	260.1	139.0	53.3	41.4	32.4
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°
1292.1	0°	1292.1	1292.1	1292.1	1292.1	1292.1	1292.1	1292.1	1292.1	1292.1	1292.1
1294.5	2.5°	1296.3	1299.2	1304.6	1308.8	1314.2	1320.2	1328.6	1334.0	1339.4	1343.0
1297.4	5°	1301.6	1308.2	1322.0	1335.8	1352.0	1367.0	1384.3	1396.9	1407.1	1410.1
1308.2	7.5°	1313.6	1324.4	1347.8	1371.2	1396.9	1421.5	1446.7	1468.2	1485.6	1492.2
1327.4	10°	1334.6	1349.0	1381.9	1414.9	1449.1	1486.8	1519.2	1550.3	1574.9	1585.1
1350.2	12.5°	1361.0	1379.0	1422.1	1467.6	1515.0	1567.1	1609.1	1647.4	1678.0	1691.8
1381.9	15°	1395.1	1418.5	1473.6	1534.8	1604.3	1676.8	1730.1	1772.7	1806.8	1823.6
1414.9	17.5°	1432.3	1463.5	1533.0	1625.3	1724.7	1820.0	1882.4	1913.5	1948.9	1965.1
1445.5	20°	1468.2	1506.6	1606.1	1740.3	1872.8	1974.0	2024.4	2032.8	2035.2	2037.0
1474.2	22.5°	1505.4	1556.9	1697.8	1885.3	2027.4	2097.5	2104.7	2068.7	2018.4	1995.0
1502.4	25°	1546.2	1614.5	1817.6	2045.4	2160.4	2168.8	2113.7	2026.2	1930.9	1887.1
1525.2	27.5°	1585.7	1681.0	1961.5	2198.2	2256.3	2182.6	2063.9	1939.9	1824.8	1778.7
1541.4	30°	1625.3	1757.1	2120.3	2331.8	2300.1	2148.4	1985.4	1847.0	1731.3	1682.8
1555.7	32.5°	1665.4	1845.8	2303.0	2428.3	2292.3	2075.9	1887.7	1742.7	1640.8	1589.9
1568.3	35°	1711.0	1954.9	2476.2	2481.0	2240.1	1969.2	1758.9	1618.1	1529.4	1488.6
1583.3	37.5°	1770.3	2093.3	2629.1	2494.2	2149.0	1812.8	1598.9	1470.6	1397.5	1379.0
1605.5	40°	1844.0	2259.9	2745.9	2473.2	2014.2	1622.9	1423.9	1321.4	1280.1	1284.3
1635.4	42.5°	1939.9	2446.3	2828.0	2419.3	1826.6	1426.9	1270.5	1224.9	1244.7	1261.5
1680.4	45°	2064.5	2639.8	2879.0	2327.6	1614.5	1260.9	1180.0	1190.8	1205.8	1207.6
1752.9	47.5°	2223.9	2835.8	2912.5	2189.2	1398.1	1144.0	1122.5	1124.9	1121.9	1109.3
1861.4	50°	2422.9	3026.4	2942.5	2005.8	1214.1	1070.9	1042.2	1033.8	992.4	951.7
2005.8	52.5°	2649.4	3201.4	2955.1	1778.1	1070.9	1009.8	963.0	910.3	833.0	820.4
2187.4	55°	2901.1	3363.2	2922.7	1498.2	950.5	931.3	860.6	797.0	788.7	777.9
2426.5	57.5°	3202.0	3537.6	2856.8	1186.0	827.0	839.6	770.7	777.9	762.9	746.1
2733.9	60°	3531.0	3718.0	2741.1	901.3	699.4	725.1	747.3	746.7	742.5	728.7
3058.1	62.5°	3827.0	3836.6	2513.4	690.4	587.3	636.4	697.0	696.4	692.8	685.0
3396.7	65°	4003.2	3818.6	2133.5	543.6	495.0	563.3	628.6	633.4	634.0	633.4
3651.4	67.5°	3972.1	3608.3	1612.1	432.7	418.9	489.0	560.9	567.5	572.3	573.5
3683.8	70°	3619.7	3146.2	1051.1	345.2	351.2	423.7	496.8	503.4	507.6	512.4
3196.6	72.5°	2821.4	2313.2	601.7	279.3	291.9	367.4	433.3	441.1	443.5	452.5
2224.5	75°	1719.3	1360.4	324.8	219.9	239.7	314.0	370.4	379.3	383.5	394.3
1092.5	77.5°	817.4	589.1	185.2	171.4	193.0	256.5	312.8	323.0	311.6	317.6
301.4	80°	276.3	218.7	116.9	130.6	147.4	200.2	250.5	260.7	236.7	235.5
100.1	82.5°	96.5	88.7	74.3	86.9	95.3	143.2	189.4	202.6	176.2	175.6
44.9	85°	37.8	36.0	41.4	47.3	56.9	88.1	124.7	131.2	108.5	87.5
13.2	87.5°	7.8	8.4	10.2	10.8	17.4	30.6	44.9	55.1	43.7	37.2
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°
1292.1
1340.6
1411.3
1492.8
1585.7
1691.8
1822.4
1964.5
2041.8
2001.6
1893.7
1784.1
1688.2
1596.5
1497.6
1392.1
1298.6
1277.1
1219.5
1118.9
957.1
824.6
779.7
743.1
723.9
682.0
633.4
574.7
514.8
456.1
395.5
312.8
233.1
167.2
86.3
34.2
0.0

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