

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: P847066

Luminaire Tested: **GLAN-SB3A-727-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847066
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3A-727-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11860 lumens
Efficiency: N/A
Efficacy: 140.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

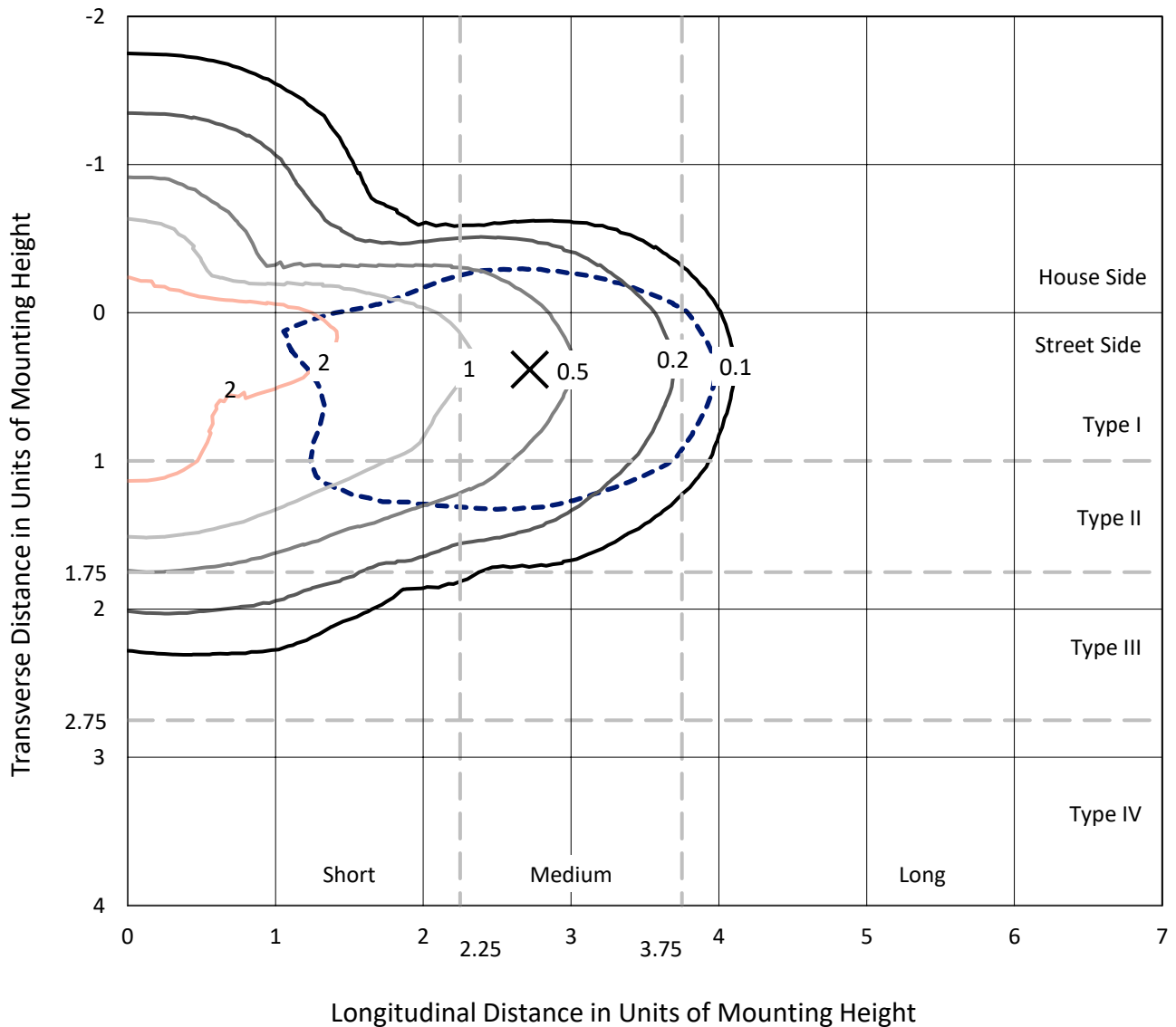
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

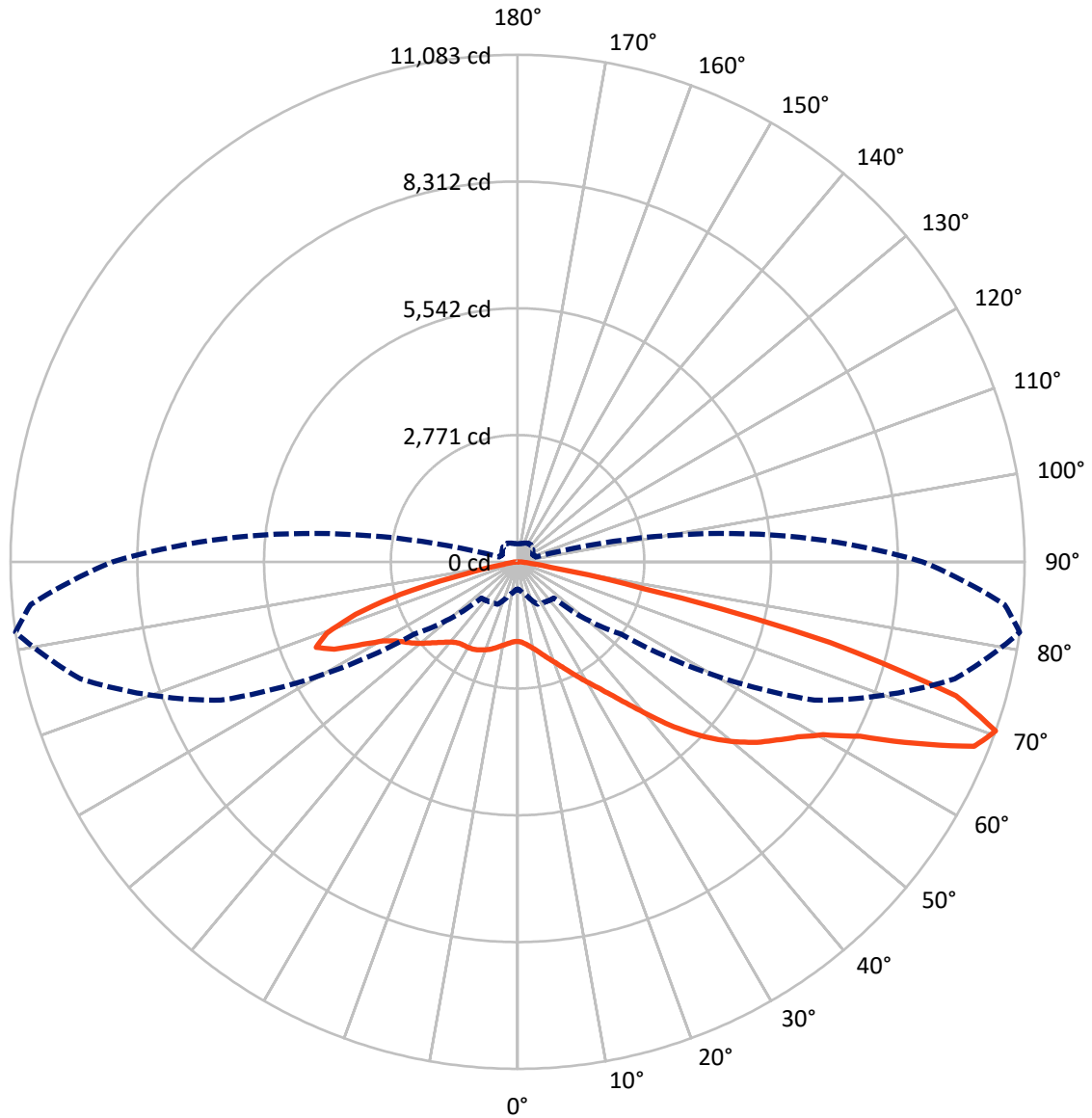
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2923.8	0.0	2923.8
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	8936.2	0.0	8936.2
	% Fixture	75.3	0.0	75.3
Total	Lumens	11860.0	0.0	11860.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.2	1.4
10°-20°	471.7	4.0
20°-30°	789.1	6.7
30°-40°	1232.8	10.4
40°-50°	1963.3	16.6
50°-60°	2732.2	23.0
60°-70°	2858.0	24.1
70°-80°	1493.7	12.6
80°-90°	155.1	1.3
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°	11860.0	100.0
0°-180°	11860.0	100.0

Coefficient of Utilization



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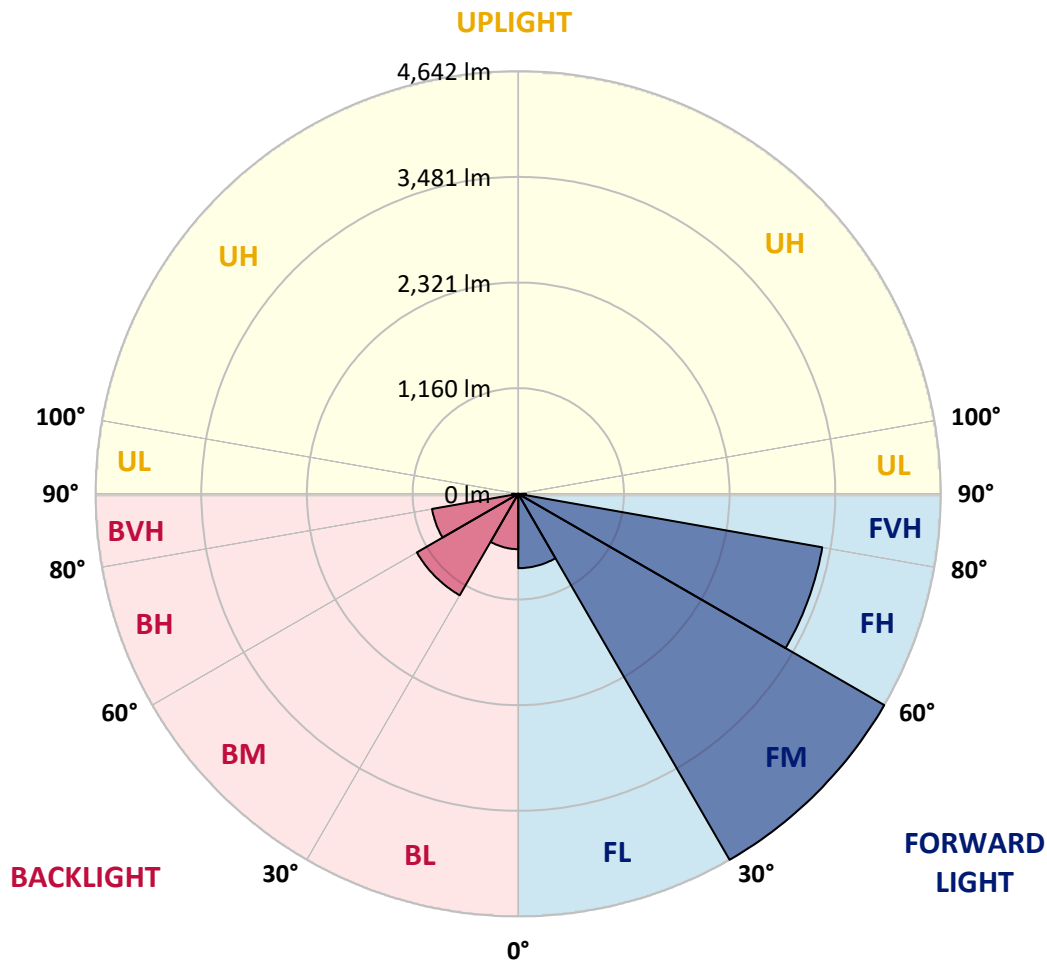
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	816.7	6.9			
FM (30°-60°)	4641.9	39.1			
FH (60°-80°)	3390.8	28.6			G2/5000
FVH (80°-90°)	86.8	0.7			G1/100
BL (0°-30°)	608.3	5.1	B2/1000		
BM (30°-60°)	1286.3	10.8	B2/2500		
BH (60°-80°)	960.9	8.1	B2/1000		G2/1000
BVH (80°-90°)	68.3	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-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1738.8	1738.8	1738.8	1738.8	1738.8	1738.8	1738.8	1738.8	1738.8	1738.8
2.5°	1780.4	1790.4	1787.3	1784.1	1784.1	1779.7	1779.1	1772.8	1767.8	1759.6
5°	1803.0	1813.7	1812.5	1815.0	1823.2	1825.0	1826.9	1823.2	1813.1	1803.0
7.5°	1782.9	1794.8	1798.6	1813.7	1838.9	1861.5	1878.5	1885.5	1876.0	1861.5
10°	1714.9	1728.1	1741.3	1777.2	1821.9	1875.4	1920.7	1947.8	1945.9	1932.0
12.5°	1577.1	1590.9	1619.3	1689.1	1770.9	1865.3	1949.6	2006.3	2025.8	2015.7
15°	1467.0	1478.9	1500.3	1572.1	1678.4	1821.9	1960.3	2070.5	2120.2	2114.5
17.5°	1463.8	1468.8	1482.1	1516.0	1597.9	1753.9	1949.0	2133.4	2228.4	2227.8
20°	1519.2	1521.1	1528.6	1535.6	1582.1	1702.3	1920.1	2185.6	2349.9	2349.9
22.5°	1596.0	1594.7	1602.3	1596.0	1618.6	1697.9	1901.8	2231.6	2485.2	2495.3
25°	1711.1	1704.8	1703.0	1688.5	1692.9	1738.8	1922.0	2283.8	2645.7	2666.4
27.5°	1864.7	1854.6	1847.7	1814.3	1803.0	1823.2	1983.6	2346.8	2824.4	2860.3
30°	2064.8	2046.6	2036.5	1978.6	1937.7	1940.8	2076.8	2430.5	3011.3	3069.2
32.5°	2337.9	2309.6	2282.6	2187.5	2112.6	2088.1	2197.0	2546.2	3214.0	3306.5
35°	2643.8	2621.1	2592.2	2445.6	2330.4	2273.8	2359.3	2708.0	3451.2	3597.8
37.5°	2938.3	2918.8	2932.7	2735.0	2586.5	2504.1	2572.1	2925.1	3743.9	3960.3
40°	3242.9	3227.8	3229.7	3040.9	2867.8	2775.3	2830.1	3197.6	4079.3	4391.4
42.5°	3573.9	3562.6	3524.8	3357.4	3163.0	3076.8	3127.1	3512.3	4439.3	4882.3
45°	3944.6	3937.7	3902.4	3710.5	3487.7	3390.8	3458.8	3859.6	4801.1	5344.2
47.5°	4264.9	4270.6	4266.2	4104.5	3873.5	3731.3	3812.4	4222.1	5137.8	5778.5
50°	4419.1	4448.7	4492.1	4441.8	4298.3	4153.5	4169.3	4572.0	5458.8	6185.6
52.5°	4338.6	4394.6	4512.9	4593.4	4648.8	4618.6	4576.4	4919.4	5760.8	6553.2
55°	4038.4	4117.0	4313.4	4507.9	4790.4	5010.1	5065.4	5304.6	6055.4	6876.6
57.5°	3491.5	3619.2	3795.5	4188.8	4664.6	5199.5	5635.6	5838.9	6367.5	7222.1
60°	2553.8	2725.0	2944.0	3529.3	4224.0	5098.2	6120.8	6659.5	6811.2	7669.6
62.5°	1634.4	1740.1	1941.5	2492.8	3291.4	4579.0	6269.3	7685.3	7563.2	8403.4
65°	1118.9	1186.9	1371.3	1680.9	2127.7	3408.4	5871.6	8454.3	8757.7	9566.4
67.5°	813.1	864.7	1022.0	1293.3	1386.4	2017.0	4556.3	8419.1	9918.8	10764.6
70°	592.8	629.3	761.5	1022.0	1066.7	1122.1	2760.2	7156.7	9893.6	11083.0
72.5°	439.3	464.4	553.2	792.9	863.4	757.7	1366.3	5201.4	8501.5	10024.5
75°	317.8	336.7	402.1	606.7	691.0	577.1	681.6	3039.6	5930.1	7051.6
77.5°	242.9	257.4	300.2	444.3	553.2	433.0	422.9	1398.4	2811.8	2825.7
80°	195.1	204.5	227.8	312.8	424.2	324.1	275.6	564.5	888.6	752.0
82.5°	143.5	159.2	192.6	219.6	303.3	223.4	168.0	285.1	337.9	290.7
85°	81.8	92.5	116.4	157.3	193.8	136.6	96.3	126.5	157.3	129.0
87.5°	28.9	37.8	40.9	61.7	84.3	56.6	37.1	36.5	51.6	38.4
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°
1738.8	0°	1738.8	1738.8	1738.8	1738.8	1738.8	1738.8	1738.8	1738.8	1738.8	1738.8
1757.7	2.5°	1751.4	1748.3	1735.7	1718.7	1701.1	1684.1	1678.4	1666.5	1658.3	1653.9
1798.6	5°	1786.7	1776.6	1747.0	1709.2	1669.6	1626.8	1596.6	1568.9	1548.8	1529.9
1854.6	7.5°	1837.0	1819.4	1768.4	1702.3	1631.8	1560.7	1507.9	1467.6	1440.5	1422.9
1920.1	10°	1895.5	1868.5	1790.4	1691.6	1582.8	1480.8	1418.5	1383.9	1366.9	1357.5
1995.0	12.5°	1962.9	1924.5	1813.1	1667.1	1507.9	1391.4	1348.6	1338.6	1339.2	1339.8
2089.4	15°	2045.9	1992.4	1831.3	1613.6	1410.3	1322.8	1315.3	1331.7	1348.6	1356.8
2196.3	17.5°	2139.7	2064.2	1834.5	1525.5	1314.7	1278.8	1302.7	1337.9	1363.7	1375.1
2315.9	20°	2240.4	2137.2	1811.8	1400.9	1236.0	1242.9	1285.7	1331.0	1359.3	1373.8
2452.5	22.5°	2355.6	2215.2	1757.7	1270.0	1171.8	1203.9	1254.2	1298.3	1327.9	1342.3
2613.0	25°	2487.1	2302.7	1672.7	1159.8	1116.4	1159.8	1210.2	1246.7	1270.6	1283.8
2792.3	27.5°	2633.1	2394.0	1559.5	1072.4	1068.0	1114.5	1156.1	1184.4	1197.0	1207.0
2983.0	30°	2779.7	2477.0	1422.3	1006.3	1025.8	1069.9	1099.4	1112.0	1115.8	1117.7
3195.7	32.5°	2938.3	2548.8	1278.2	951.5	985.5	1026.4	1044.0	1049.7	1032.1	1020.1
3453.7	35°	3130.3	2625.5	1137.2	908.1	945.9	981.1	986.8	981.7	961.0	936.4
3777.2	37.5°	3367.5	2721.2	1024.5	877.3	908.7	932.0	925.1	923.8	925.7	896.8
4166.1	40°	3658.3	2845.8	942.1	853.4	878.5	883.6	864.1	874.8	884.2	840.1
4592.8	42.5°	3981.1	2996.2	889.9	837.0	853.4	841.4	811.2	823.2	821.9	764.0
5021.4	45°	4310.2	3159.8	871.6	825.0	830.1	806.2	772.8	776.0	749.5	697.3
5432.3	47.5°	4637.5	3335.4	882.9	815.0	801.1	774.1	748.3	734.4	695.4	656.4
5826.3	50°	4958.4	3519.8	924.5	794.8	761.5	745.7	726.9	702.3	660.8	627.4
6198.8	52.5°	5256.1	3705.5	971.0	761.5	711.8	721.2	709.2	680.9	640.0	606.0
6551.3	55°	5538.1	3891.1	989.3	715.5	665.2	699.8	692.9	640.7	591.6	563.9
6920.1	57.5°	5845.2	4114.5	969.2	657.0	627.4	675.3	648.8	590.9	562.6	541.8
7400.2	60°	6270.6	4465.1	925.7	584.6	591.6	638.8	593.5	569.5	538.7	515.4
8120.2	62.5°	6977.3	5118.9	855.9	512.9	549.4	584.6	567.0	543.1	511.6	489.0
9351.1	65°	8022.0	6027.7	724.4	456.9	502.2	531.8	538.7	514.8	482.1	458.1
10429.8	67.5°	8903.1	6597.8	548.1	410.3	453.7	489.0	508.5	485.2	450.6	427.3
10682.2	70°	8854.6	6183.7	418.5	364.4	410.9	446.8	472.0	453.7	416.6	394.6
9702.9	72.5°	7864.7	5173.0	338.6	317.8	367.5	402.8	433.0	419.1	381.4	360.0
7108.2	75°	5777.8	3672.1	270.6	270.6	313.4	356.8	390.2	381.4	346.8	331.7
2984.3	77.5°	2435.5	1540.6	212.1	224.7	260.5	306.5	348.0	351.2	321.0	339.8
789.2	80°	647.6	424.8	161.7	176.8	204.5	253.0	302.7	301.4	268.7	251.1
293.3	82.5°	246.7	167.4	115.2	124.6	147.9	193.8	239.8	247.3	214.6	185.7
115.2	85°	95.0	71.7	71.1	74.9	86.2	128.4	181.2	187.5	161.7	137.2
32.1	87.5°	24.5	21.4	26.4	25.2	39.6	68.6	103.8	107.6	98.8	57.3
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

<u>180°</u>
1738.8
1658.9
1537.4
1426.7
1360.0
1341.1
1356.2
1377.6
1377.6
1346.1
1287.6
1210.8
1122.1
1023.9
937.7
898.7
841.4
763.4
699.2
656.4
624.9
606.7
561.4
540.0
514.2
489.0
459.4
427.9
396.5
360.0
327.2
308.4
233.5
185.7
141.6
81.8
0.0

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