

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: P846506

Luminaire Tested: **GLAN-SB2A-930-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846506
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-SB2A-930-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5997 lumens
Efficiency: N/A
Efficacy: 104.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

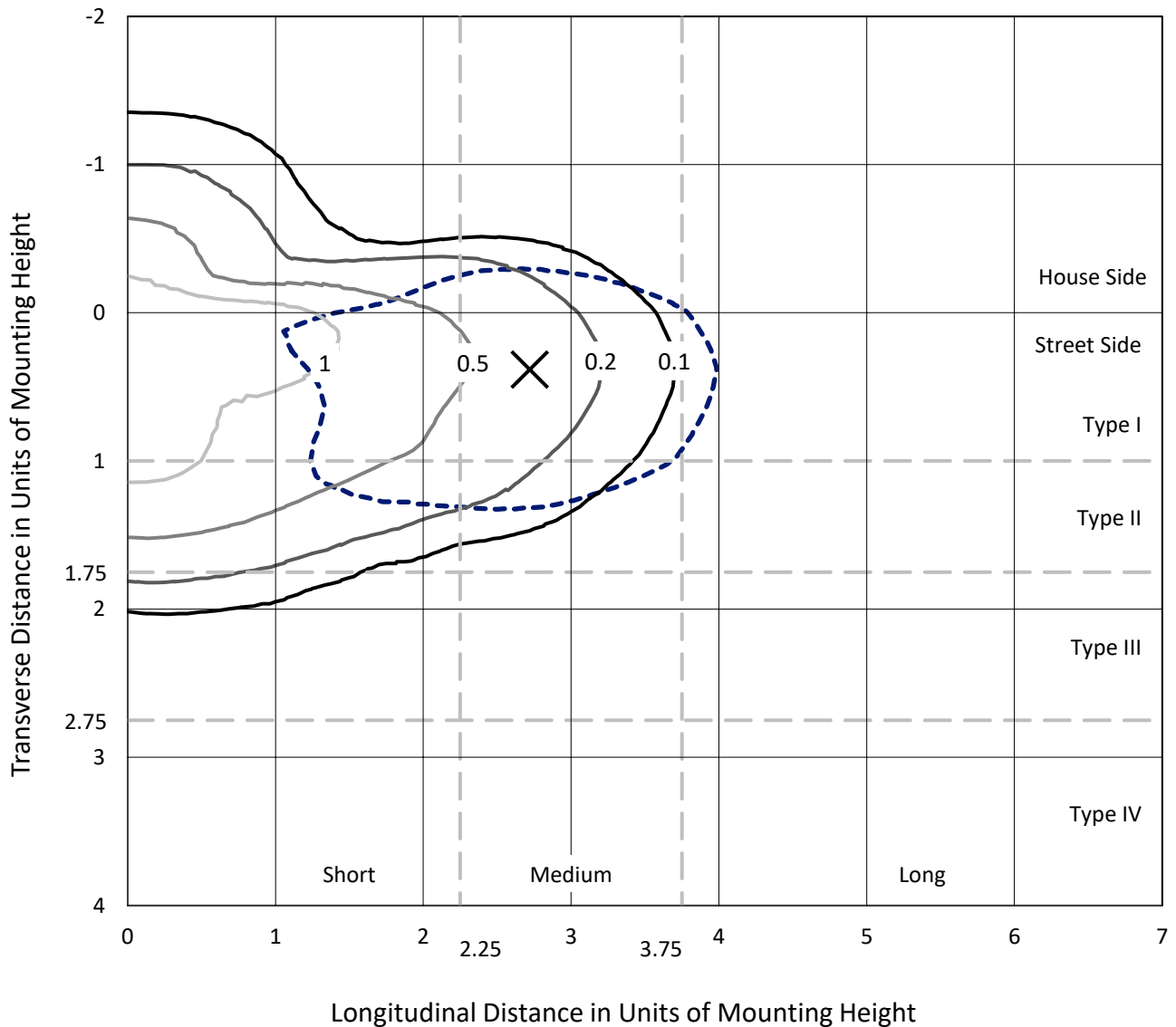
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P846506
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Iso-Footcandle Lines of Horizontal Illumination

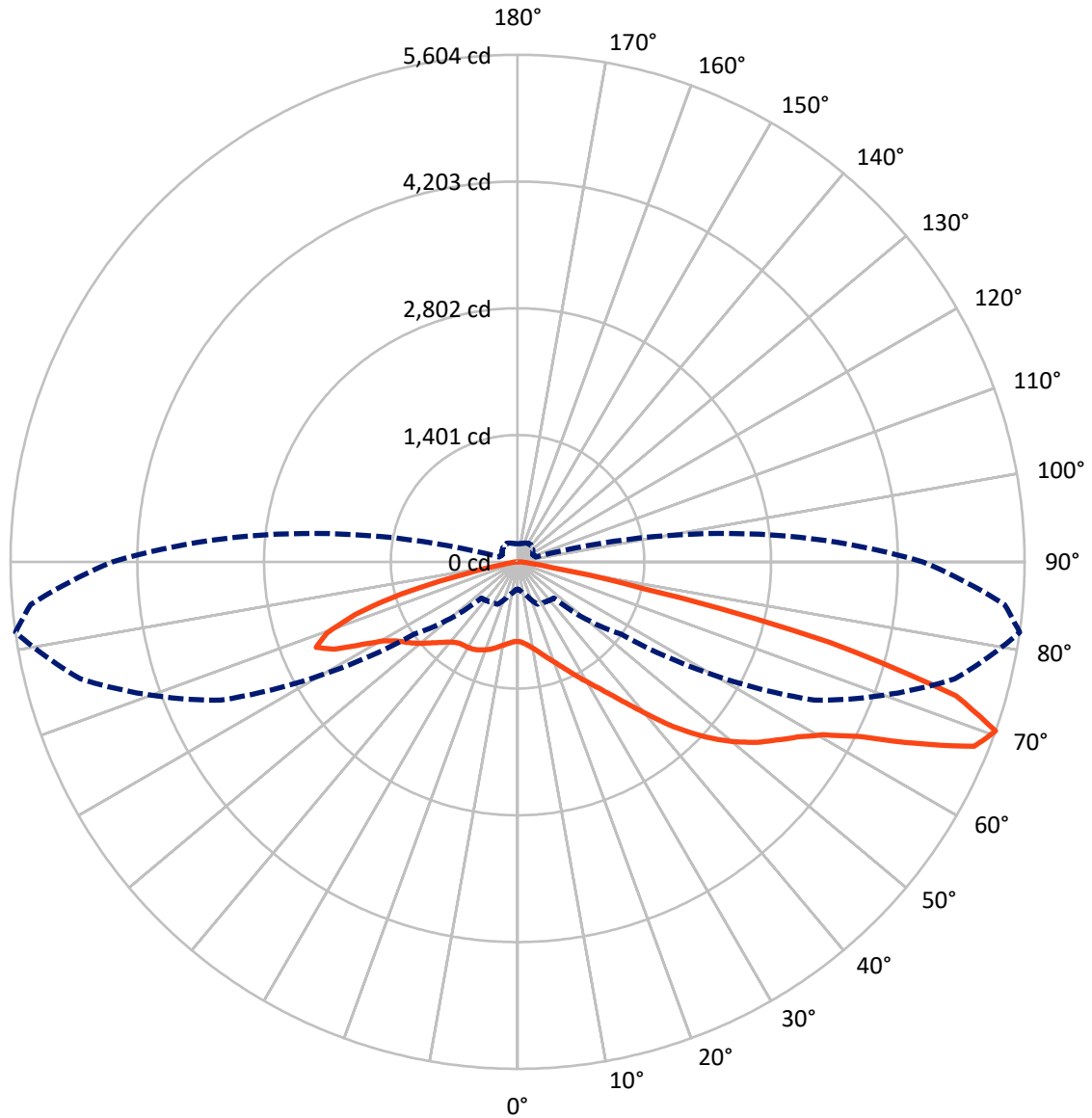
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type II - Medium - N/A

REPORT NUMBER: P846506
CATALOG NUMBER: GLAN-SB2A-930-U-T2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P846506
 CATALOG NUMBER: GLAN-SB2A-930-U-T2

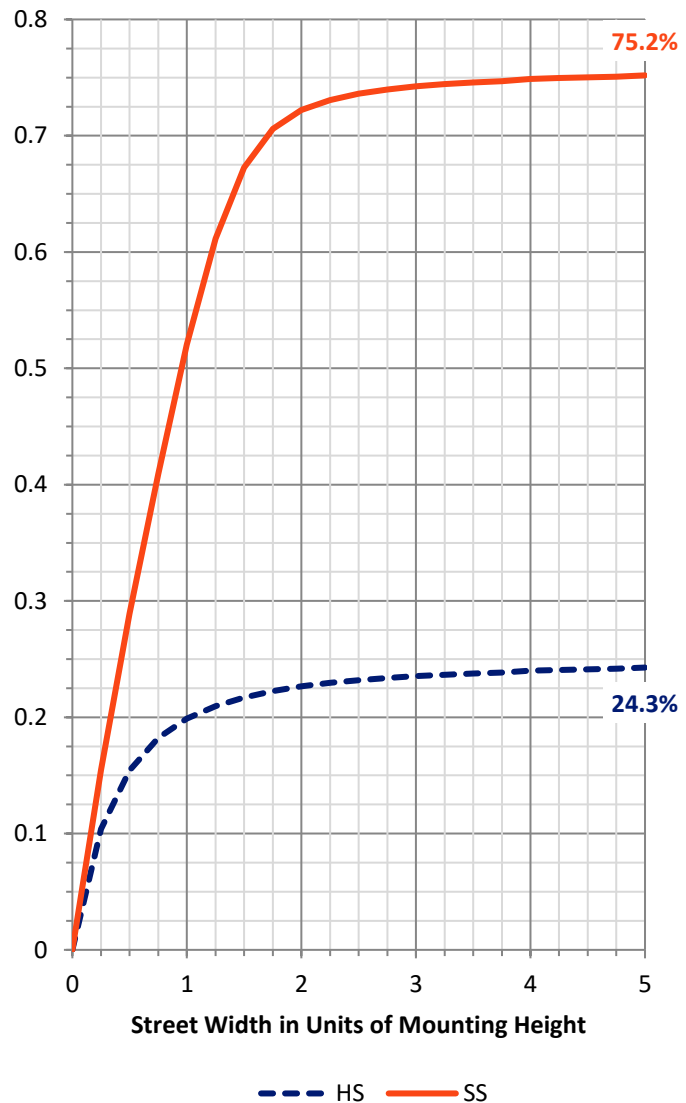
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1478.4	0.0	1478.4
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	4518.6	0.0	4518.6
	% Fixture	75.3	0.0	75.3
Total	Lumens	5997.0	0.0	5997.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.0	1.4
10°-20°	238.5	4.0
20°-30°	399.0	6.7
30°-40°	623.3	10.4
40°-50°	992.7	16.6
50°-60°	1381.5	23.0
60°-70°	1445.1	24.1
70°-80°	755.3	12.6
80°-90°	78.4	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°	5997.0	100.0
0°-180°	5997.0	100.0

Coefficient of Utilization

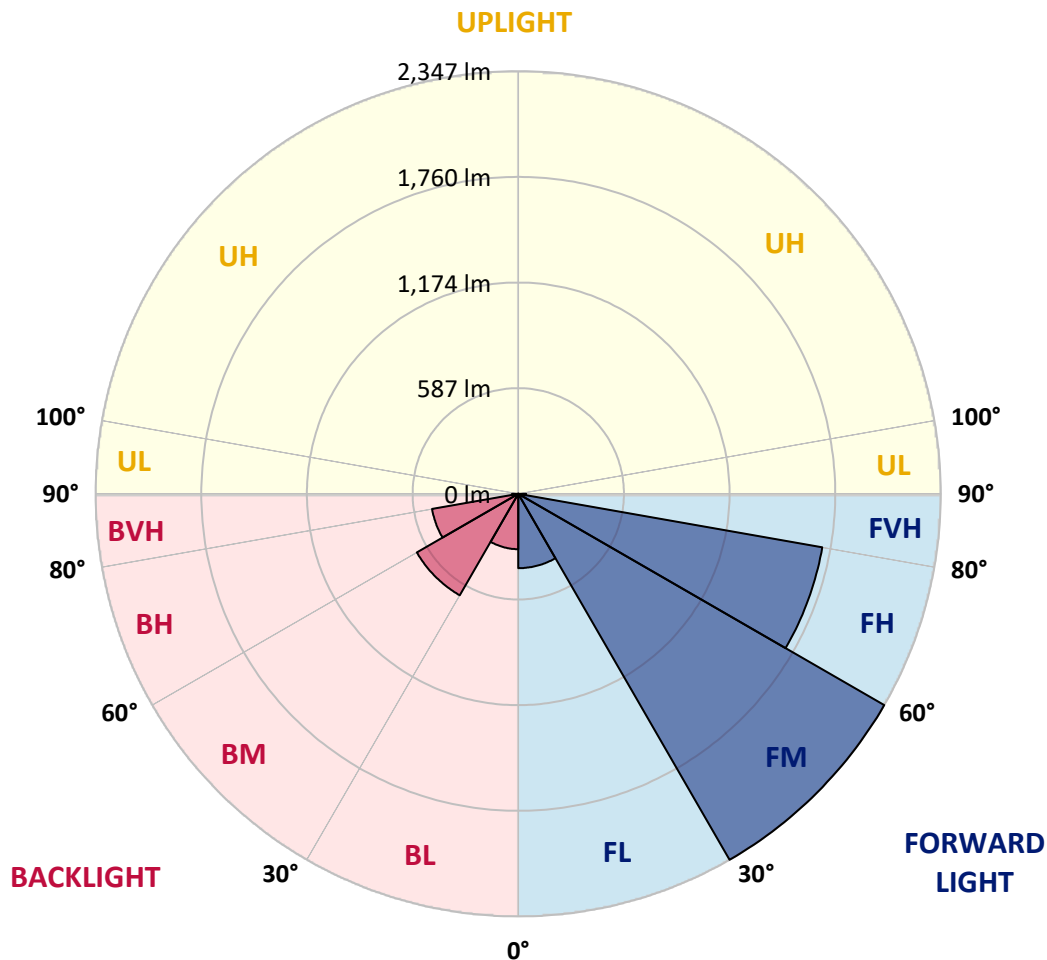


REPORT NUMBER: P846506
 CATALOG NUMBER: GLAN-SB2A-930-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	413.0	6.9			
FM (30°-60°)	2347.2	39.1			
FH (60°-80°)	1714.6	28.6			G1/1800
FVH (80°-90°)	43.9	0.7			G1/100
BL (0°-30°)	307.6	5.1	B1/500		
BM (30°-60°)	650.4	10.8	B1/1000		
BH (60°-80°)	485.9	8.1	B1/500		G1/500
BVH (80°-90°)	34.5	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Medium



REPORT NUMBER: P846506
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	879.2	879.2	879.2	879.2	879.2	879.2	879.2	879.2	879.2	879.2
2.5°	900.2	905.3	903.7	902.1	902.1	899.9	899.6	896.4	893.9	889.7
5°	911.7	917.1	916.5	917.7	921.9	922.8	923.8	921.9	916.8	911.7
7.5°	901.5	907.6	909.5	917.1	929.8	941.3	949.9	953.4	948.6	941.3
10°	867.1	873.8	880.5	898.6	921.2	948.3	971.2	984.9	983.9	976.9
12.5°	797.5	804.5	818.8	854.1	895.5	943.2	985.8	1014.5	1024.3	1019.3
15°	741.8	747.8	758.6	794.9	848.7	921.2	991.2	1046.9	1072.1	1069.2
17.5°	740.2	742.7	749.4	766.6	808.0	886.9	985.5	1078.8	1126.8	1126.5
20°	768.2	769.1	773.0	776.5	800.0	860.8	970.9	1105.2	1188.2	1188.2
22.5°	807.0	806.4	810.2	807.0	818.5	858.6	961.7	1128.4	1256.6	1261.7
25°	865.2	862.1	861.1	853.8	856.0	879.2	971.8	1154.8	1337.8	1348.3
27.5°	942.9	937.8	934.3	917.4	911.7	921.9	1003.0	1186.6	1428.2	1446.3
30°	1044.1	1034.8	1029.8	1000.5	979.8	981.4	1050.1	1229.0	1522.7	1551.9
32.5°	1182.2	1167.9	1154.2	1106.1	1068.3	1055.8	1110.9	1287.5	1625.1	1671.9
35°	1336.8	1325.4	1310.7	1236.6	1178.4	1149.7	1193.0	1369.3	1745.1	1819.2
37.5°	1485.8	1475.9	1482.9	1383.0	1307.9	1266.2	1300.6	1479.1	1893.1	2002.5
40°	1639.8	1632.1	1633.1	1537.6	1450.1	1403.3	1431.0	1616.9	2062.7	2220.5
42.5°	1807.2	1801.4	1782.3	1697.7	1599.4	1555.8	1581.2	1776.0	2244.7	2468.7
45°	1994.6	1991.1	1973.3	1876.2	1763.6	1714.6	1748.9	1951.6	2427.7	2702.3
47.5°	2156.6	2159.4	2157.2	2075.4	1958.6	1886.7	1927.8	2134.9	2597.9	2921.9
50°	2234.5	2249.5	2271.4	2246.0	2173.4	2100.2	2108.2	2311.9	2760.2	3127.8
52.5°	2193.8	2222.1	2281.9	2322.7	2350.7	2335.4	2314.1	2487.5	2913.0	3313.6
55°	2042.0	2081.8	2181.1	2279.4	2422.3	2533.3	2561.3	2682.3	3061.9	3477.2
57.5°	1765.5	1830.1	1919.2	2118.1	2358.6	2629.1	2849.6	2952.4	3219.7	3651.9
60°	1291.3	1377.9	1488.6	1784.6	2135.9	2577.9	3095.0	3367.4	3444.1	3878.1
62.5°	826.4	879.9	981.7	1260.5	1664.3	2315.4	3170.1	3886.1	3824.3	4249.2
65°	565.8	600.2	693.4	850.0	1075.9	1723.5	2969.0	4274.9	4428.3	4837.2
67.5°	411.1	437.2	516.8	653.9	701.0	1019.9	2303.9	4257.1	5015.4	5443.1
70°	299.8	318.2	385.0	516.8	539.4	567.4	1395.7	3618.8	5002.7	5604.1
72.5°	222.1	234.8	279.7	401.0	436.6	383.1	690.9	2630.1	4298.8	5068.9
75°	160.7	170.2	203.3	306.8	349.4	291.8	344.6	1537.0	2998.6	3565.6
77.5°	122.8	130.2	151.8	224.7	279.7	218.9	213.8	707.1	1421.8	1428.8
80°	98.6	103.4	115.2	158.2	214.5	163.9	139.4	285.4	449.3	380.3
82.5°	72.6	80.5	97.4	111.1	153.4	113.0	85.0	144.2	170.9	147.0
85°	41.4	46.8	58.9	79.6	98.0	69.1	48.7	64.0	79.6	65.2
87.5°	14.6	19.1	20.7	31.2	42.6	28.6	18.8	18.5	26.1	19.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P846506
 CATALOG NUMBER: GLAN-SB2A-930-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
879.2	0°	879.2	879.2	879.2	879.2	879.2	879.2	879.2	879.2	879.2	879.2
888.8	2.5°	885.6	884.0	877.6	869.1	860.1	851.6	848.7	842.6	838.5	836.3
909.5	5°	903.4	898.3	883.4	864.3	844.2	822.6	807.3	793.3	783.1	773.6
937.8	7.5°	928.9	920.0	894.2	860.8	825.1	789.2	762.4	742.1	728.4	719.5
970.9	10°	958.5	944.8	905.3	855.4	800.3	748.8	717.3	699.8	691.2	686.4
1008.7	12.5°	992.5	973.1	916.8	843.0	762.4	703.6	681.9	676.8	677.2	677.5
1056.5	15°	1034.5	1007.5	926.0	815.9	713.1	668.9	665.1	673.3	681.9	686.1
1110.6	17.5°	1081.9	1043.8	927.6	771.4	664.8	646.6	658.7	676.5	689.6	695.3
1171.0	20°	1132.9	1080.7	916.1	708.4	625.0	628.5	650.1	673.0	687.3	694.7
1240.1	22.5°	1191.1	1120.1	888.8	642.2	592.5	608.8	634.2	656.5	671.4	678.8
1321.2	25°	1257.6	1164.4	845.8	586.5	564.5	586.5	611.9	630.4	642.5	649.2
1411.9	27.5°	1331.4	1210.5	788.5	542.2	540.0	563.6	584.6	598.9	605.2	610.3
1508.4	30°	1405.6	1252.5	719.2	508.8	518.7	541.0	555.9	562.3	564.2	565.2
1615.9	32.5°	1485.8	1288.8	646.3	481.1	498.3	519.0	527.9	530.8	521.9	515.8
1746.4	35°	1582.8	1327.6	575.0	459.2	478.3	496.1	499.0	496.4	485.9	473.5
1909.9	37.5°	1702.8	1376.0	518.1	443.6	459.5	471.3	467.8	467.1	468.1	453.5
2106.6	40°	1849.8	1439.0	476.4	431.5	444.2	446.8	436.9	442.3	447.1	424.8
2322.4	42.5°	2013.0	1515.0	450.0	423.2	431.5	425.5	410.2	416.2	415.6	386.3
2539.1	45°	2179.5	1597.8	440.7	417.2	419.7	407.6	390.8	392.4	379.0	352.6
2746.9	47.5°	2344.9	1686.6	446.5	412.1	405.1	391.4	378.4	371.4	351.6	331.9
2946.1	50°	2507.2	1779.8	467.5	401.9	385.0	377.1	367.5	355.1	334.1	317.3
3134.4	52.5°	2657.8	1873.7	491.0	385.0	359.9	364.7	358.6	344.3	323.6	306.4
3312.6	55°	2800.3	1967.5	500.2	361.8	336.4	353.9	350.4	323.9	299.1	285.1
3499.1	57.5°	2955.6	2080.5	490.1	332.2	317.3	341.4	328.1	298.8	284.5	274.0
3741.9	60°	3170.7	2257.8	468.1	295.6	299.1	323.0	300.1	288.0	272.4	260.6
4106.0	62.5°	3528.1	2588.4	432.8	259.3	277.8	295.6	286.7	274.6	258.7	247.3
4728.4	65°	4056.3	3047.9	366.3	231.0	253.9	268.9	272.4	260.3	243.8	231.7
5273.8	67.5°	4501.8	3336.2	277.2	207.5	229.4	247.3	257.1	245.3	227.8	216.1
5401.4	70°	4477.3	3126.8	211.6	184.2	207.8	225.9	238.7	229.4	210.7	199.5
4906.3	72.5°	3976.8	2615.7	171.2	160.7	185.8	203.7	218.9	211.9	192.8	182.0
3594.3	75°	2921.6	1856.8	136.8	136.8	158.5	180.4	197.3	192.8	175.3	167.7
1509.0	77.5°	1231.5	779.0	107.2	113.6	131.7	155.0	176.0	177.6	162.3	171.8
399.0	80°	327.4	214.8	81.8	89.4	103.4	127.9	153.1	152.4	135.9	127.0
148.3	82.5°	124.7	84.6	58.2	63.0	74.8	98.0	121.2	125.1	108.5	93.9
58.2	85°	48.1	36.3	36.0	37.9	43.6	64.9	91.6	94.8	81.8	69.4
16.2	87.5°	12.4	10.8	13.4	12.7	20.0	34.7	52.5	54.4	50.0	29.0
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°
879.2
838.8
777.4
721.4
687.7
678.1
685.8
696.6
696.6
680.7
651.1
612.3
567.4
517.7
474.1
454.4
425.5
386.0
353.5
331.9
316.0
306.8
283.9
273.0
260.0
247.3
232.3
216.4
200.5
182.0
165.5
155.9
118.1
93.9
71.6
41.4
0.0

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