

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: P846386

Luminaire Tested: **GLAN-SB2A-727-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846386
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-727-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 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: 7905 lumens
Efficiency: N/A
Efficacy: 138.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

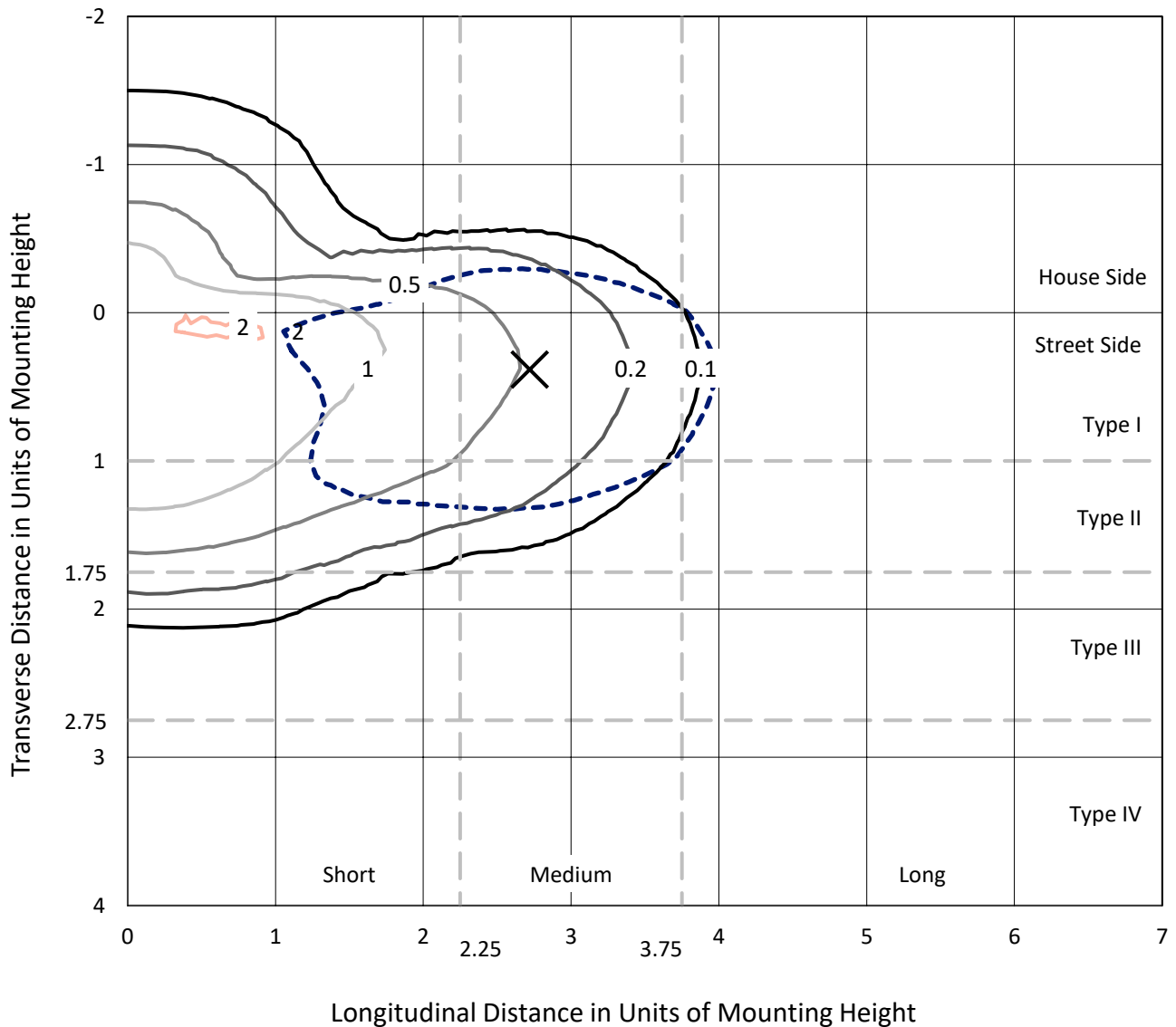
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

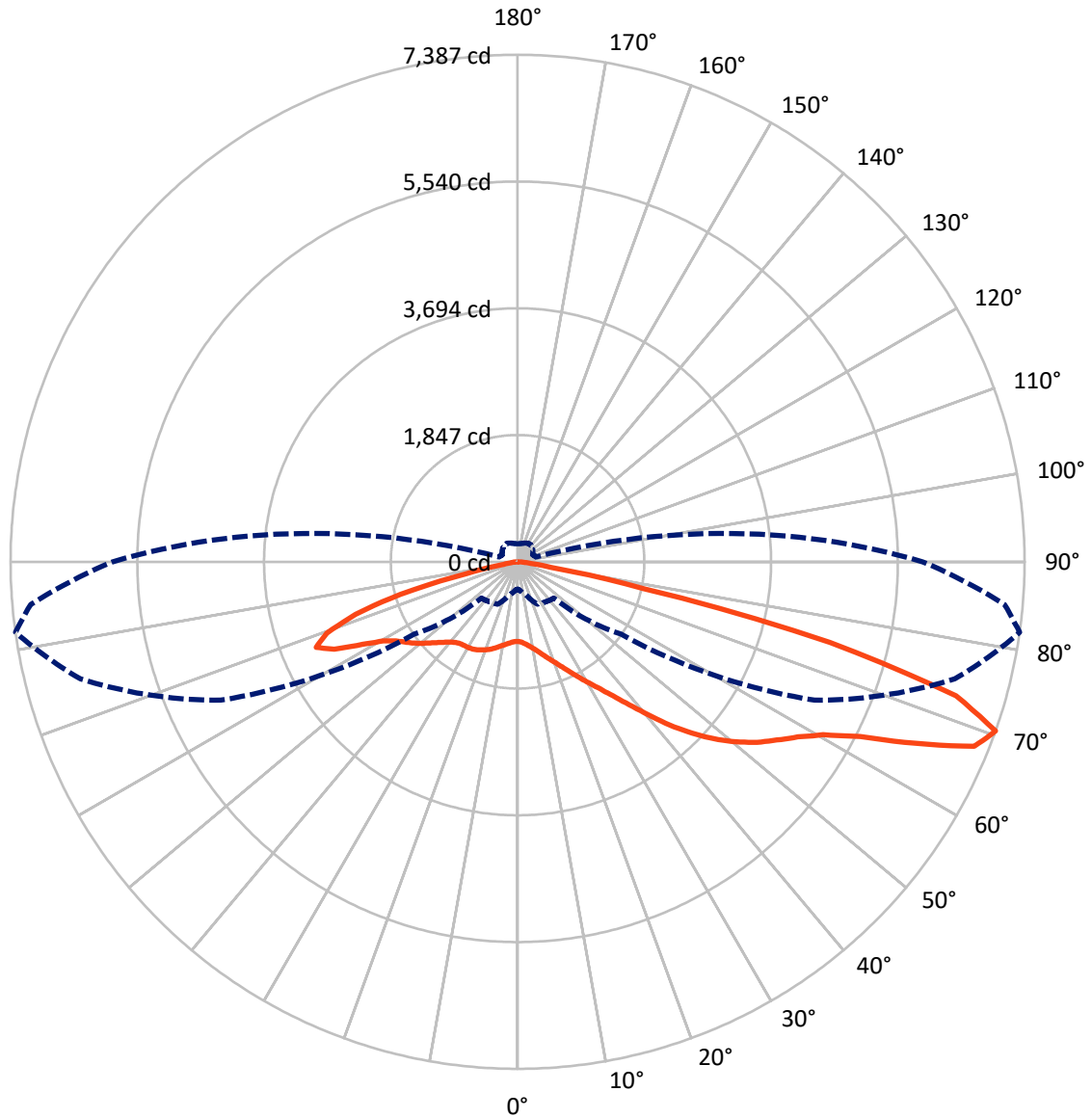
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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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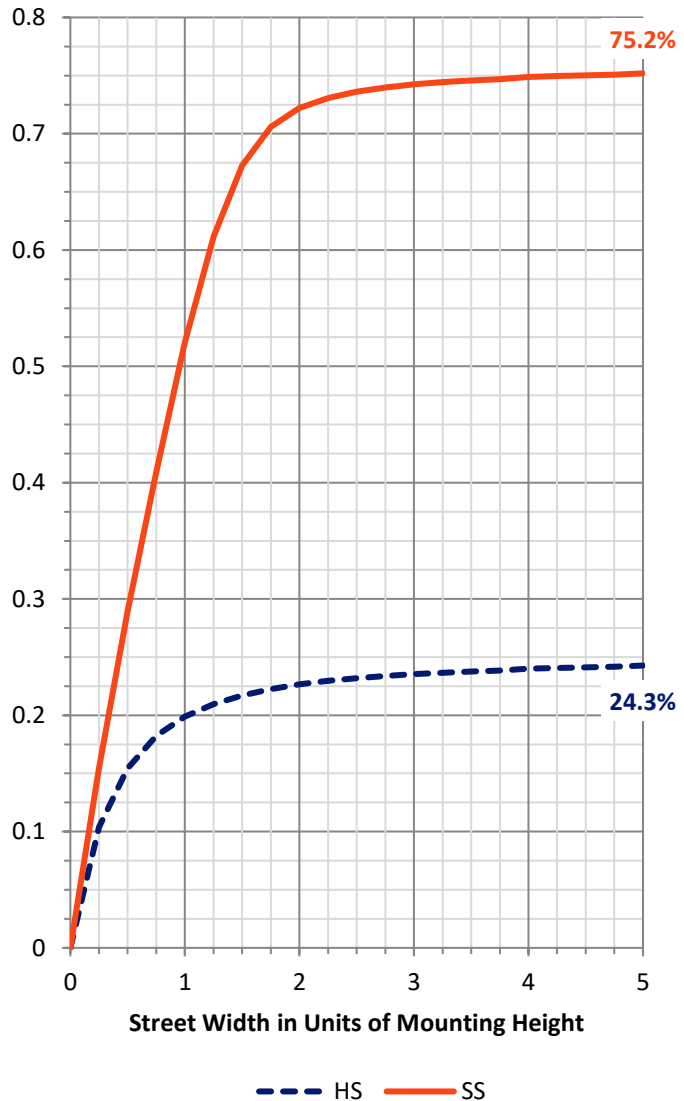
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1948.8	0.0	1948.8
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	5956.2	0.0	5956.2
	% Fixture	75.3	0.0	75.3
Total	Lumens	7905.0	0.0	7905.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.4	1.4
10°-20°	314.4	4.0
20°-30°	525.9	6.7
30°-40°	821.7	10.4
40°-50°	1308.6	16.6
50°-60°	1821.1	23.0
60°-70°	1904.9	24.1
70°-80°	995.6	12.6
80°-90°	103.4	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°	7905.0	100.0
0°-180°	7905.0	100.0

Coefficient of Utilization



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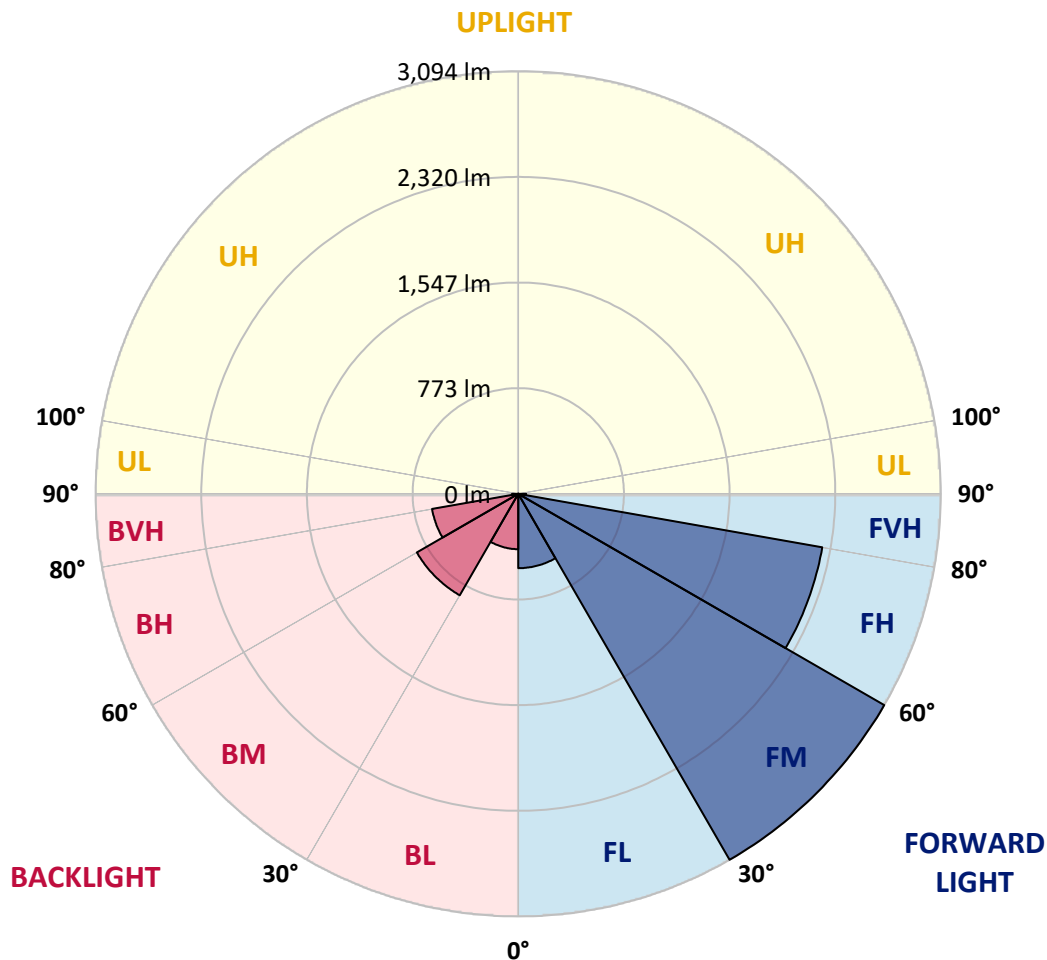
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	544.3	6.9			
FM (30°-60°)	3093.9	39.1			
FH (60°-80°)	2260.1	28.6			G2/5000
FVH (80°-90°)	57.9	0.7			G1/100
BL (0°-30°)	405.4	5.1	B1/500		
BM (30°-60°)	857.4	10.8	B1/1000		
BH (60°-80°)	640.5	8.1	B2/1000		G2/1000
BVH (80°-90°)	45.5	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1159.0	1159.0	1159.0	1159.0	1159.0	1159.0	1159.0	1159.0	1159.0	1159.0
2.5°	1186.7	1193.4	1191.3	1189.2	1189.2	1186.2	1185.8	1181.6	1178.3	1172.8
5°	1201.8	1208.9	1208.0	1209.7	1215.2	1216.4	1217.7	1215.2	1208.5	1201.8
7.5°	1188.3	1196.3	1198.8	1208.9	1225.7	1240.8	1252.1	1256.7	1250.4	1240.8
10°	1143.0	1151.8	1160.6	1184.6	1214.3	1250.0	1280.2	1298.2	1297.0	1287.7
12.5°	1051.2	1060.4	1079.3	1125.8	1180.4	1243.3	1299.5	1337.2	1350.2	1343.5
15°	977.8	985.7	1000.0	1047.8	1118.7	1214.3	1306.6	1380.0	1413.2	1409.4
17.5°	975.7	979.0	987.8	1010.5	1065.0	1169.0	1299.1	1422.0	1485.3	1484.9
20°	1012.6	1013.8	1018.9	1023.5	1054.5	1134.6	1279.8	1456.8	1566.3	1566.3
22.5°	1063.8	1062.9	1067.9	1063.8	1078.9	1131.7	1267.6	1487.4	1656.5	1663.2
25°	1140.5	1136.3	1135.1	1125.4	1128.4	1159.0	1281.0	1522.2	1763.4	1777.3
27.5°	1242.9	1236.2	1231.5	1209.3	1201.8	1215.2	1322.1	1564.2	1882.5	1906.5
30°	1376.3	1364.1	1357.4	1318.8	1291.5	1293.6	1384.2	1620.0	2007.1	2045.7
32.5°	1558.3	1539.4	1521.4	1458.0	1408.1	1391.8	1464.3	1697.1	2142.2	2203.9
35°	1762.2	1747.1	1727.8	1630.0	1553.3	1515.5	1572.6	1804.9	2300.3	2398.1
37.5°	1958.5	1945.5	1954.7	1823.0	1724.0	1669.0	1714.3	1949.7	2495.4	2639.7
40°	2161.5	2151.4	2152.7	2026.8	1911.5	1849.8	1886.3	2131.3	2718.9	2927.0
42.5°	2382.1	2374.6	2349.4	2237.8	2108.2	2050.7	2084.3	2341.0	2958.9	3254.2
45°	2629.2	2624.6	2601.1	2473.1	2324.7	2260.1	2305.4	2572.6	3200.1	3562.1
47.5°	2842.7	2846.5	2843.5	2735.7	2581.8	2487.0	2541.1	2814.2	3424.5	3851.5
50°	2945.5	2965.2	2994.1	2960.6	2864.9	2768.4	2778.9	3047.4	3638.4	4122.9
52.5°	2891.8	2929.1	3008.0	3061.6	3098.6	3078.4	3050.3	3278.9	3839.7	4367.9
55°	2691.7	2744.1	2875.0	3004.6	3192.9	3339.3	3376.2	3535.6	4036.1	4583.5
57.5°	2327.2	2412.3	2529.8	2791.9	3109.0	3465.6	3756.3	3891.8	4244.1	4813.7
60°	1702.2	1816.3	1962.2	2352.3	2815.4	3398.1	4079.7	4438.7	4539.8	5112.0
62.5°	1089.3	1159.8	1294.0	1661.5	2193.8	3052.0	4178.7	5122.5	5041.1	5601.1
65°	745.8	791.1	914.0	1120.4	1418.2	2271.8	3913.6	5635.0	5837.2	6376.2
67.5°	541.9	576.3	681.2	862.0	924.1	1344.4	3036.9	5611.6	6611.1	7174.9
70°	395.1	419.5	507.5	681.2	711.0	747.9	1839.8	4770.1	6594.4	7387.1
72.5°	292.8	309.6	368.7	528.5	575.5	505.0	910.7	3466.8	5666.5	6681.6
75°	211.8	224.4	268.0	404.4	460.6	384.6	454.3	2026.0	3952.6	4700.1
77.5°	161.9	171.6	200.1	296.1	368.7	288.6	281.9	932.0	1874.2	1883.4
80°	130.0	136.3	151.8	208.5	282.7	216.0	183.7	376.3	592.3	501.3
82.5°	95.6	106.1	128.4	146.4	202.2	148.9	112.0	190.0	225.3	193.8
85°	54.5	61.7	77.6	104.9	129.2	91.0	64.2	84.3	104.9	86.0
87.5°	19.3	25.2	27.3	41.1	56.2	37.8	24.7	24.3	34.4	25.6
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°
1159.0	0°	1159.0	1159.0	1159.0	1159.0	1159.0	1159.0	1159.0	1159.0	1159.0	1159.0
1171.6	2.5°	1167.4	1165.3	1156.9	1145.5	1133.8	1122.5	1118.7	1110.7	1105.3	1102.3
1198.8	5°	1190.9	1184.1	1164.4	1139.3	1112.8	1084.3	1064.2	1045.7	1032.3	1019.7
1236.2	7.5°	1224.4	1212.7	1178.7	1134.6	1087.7	1040.3	1005.0	978.2	960.1	948.4
1279.8	10°	1263.4	1245.4	1193.4	1127.5	1054.9	987.0	945.5	922.4	911.1	904.8
1329.7	12.5°	1308.3	1282.7	1208.5	1111.2	1005.0	927.4	898.9	892.2	892.6	893.0
1392.6	15°	1363.7	1328.0	1220.6	1075.5	940.0	881.7	876.7	887.6	898.9	904.4
1463.9	17.5°	1426.2	1375.8	1222.7	1016.8	876.3	852.3	868.3	891.8	909.0	916.5
1543.6	20°	1493.3	1424.5	1207.6	933.7	823.8	828.4	857.0	887.2	906.0	915.7
1634.6	22.5°	1570.0	1476.5	1171.6	846.5	781.0	802.4	836.0	865.3	885.1	894.7
1741.6	25°	1657.7	1534.8	1114.9	773.1	744.1	773.1	806.6	831.0	846.9	855.7
1861.2	27.5°	1755.0	1595.6	1039.4	714.8	711.8	742.9	770.6	789.4	797.8	804.5
1988.2	30°	1852.8	1651.0	948.0	670.7	683.7	713.1	732.8	741.2	743.7	745.0
2130.0	32.5°	1958.5	1698.8	851.9	634.2	656.9	684.1	695.9	699.7	687.9	679.9
2302.0	35°	2086.4	1750.0	758.0	605.3	630.5	653.9	657.7	654.4	640.5	624.2
2517.6	37.5°	2244.5	1813.8	682.9	584.7	605.7	621.2	616.6	615.8	617.0	597.7
2776.8	40°	2438.3	1896.8	627.9	568.8	585.6	588.9	575.9	583.1	589.3	560.0
3061.2	42.5°	2653.5	1997.1	593.1	557.9	568.8	560.8	540.7	548.7	547.8	509.2
3346.9	45°	2872.9	2106.1	581.0	549.9	553.3	537.3	515.1	517.2	499.6	464.8
3620.8	47.5°	3091.0	2223.1	588.5	543.2	534.0	515.9	498.7	489.5	463.5	437.5
3883.4	50°	3304.9	2346.0	616.2	529.8	507.5	497.1	484.5	468.1	440.4	418.2
4131.7	52.5°	3503.3	2469.8	647.2	507.5	474.4	480.7	472.7	453.9	426.6	403.9
4366.6	55°	3691.3	2593.5	659.4	476.9	443.4	466.4	461.8	427.0	394.3	375.8
4612.4	57.5°	3896.0	2742.4	646.0	437.9	418.2	450.1	432.5	393.9	375.0	361.2
4932.4	60°	4179.5	2976.1	617.0	389.7	394.3	425.8	395.6	379.6	359.1	343.5
5412.3	62.5°	4650.6	3411.9	570.5	341.9	366.2	389.7	377.9	362.0	341.0	325.9
6232.8	65°	5346.9	4017.6	482.8	304.5	334.7	354.4	359.1	343.1	321.3	305.4
6951.7	67.5°	5934.1	4397.6	365.4	273.5	302.4	325.9	338.9	323.4	300.3	284.8
7119.9	70°	5901.8	4121.6	278.9	242.9	273.9	297.8	314.6	302.4	277.7	263.0
6467.3	72.5°	5242.0	3448.0	225.7	211.8	245.0	268.5	288.6	279.4	254.2	239.9
4737.8	75°	3851.1	2447.6	180.4	180.4	208.9	237.8	260.1	254.2	231.1	221.1
1989.1	77.5°	1623.3	1026.8	141.4	149.7	173.7	204.3	232.0	234.1	213.9	226.5
526.0	80°	431.6	283.1	107.8	117.9	136.3	168.6	201.8	200.9	179.1	167.4
195.5	82.5°	164.4	111.6	76.8	83.1	98.6	129.2	159.8	164.8	143.0	123.7
76.8	85°	63.3	47.8	47.4	49.9	57.5	85.6	120.8	125.0	107.8	91.4
21.4	87.5°	16.4	14.3	17.6	16.8	26.4	45.7	69.2	71.7	65.9	38.2
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°
1159.0
1105.7
1024.7
950.9
906.5
893.9
903.9
918.2
918.2
897.2
858.2
807.0
747.9
682.5
625.0
599.0
560.8
508.8
466.0
437.5
416.5
404.4
374.2
359.9
342.7
325.9
306.2
285.2
264.3
239.9
218.1
205.5
155.6
123.7
94.4
54.5
0.0

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