

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: P852185

Luminaire Tested: **GLAN-SB2A-722-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852185
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-SB2A-722-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6933 lumens
Efficiency: N/A
Efficacy: 121.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

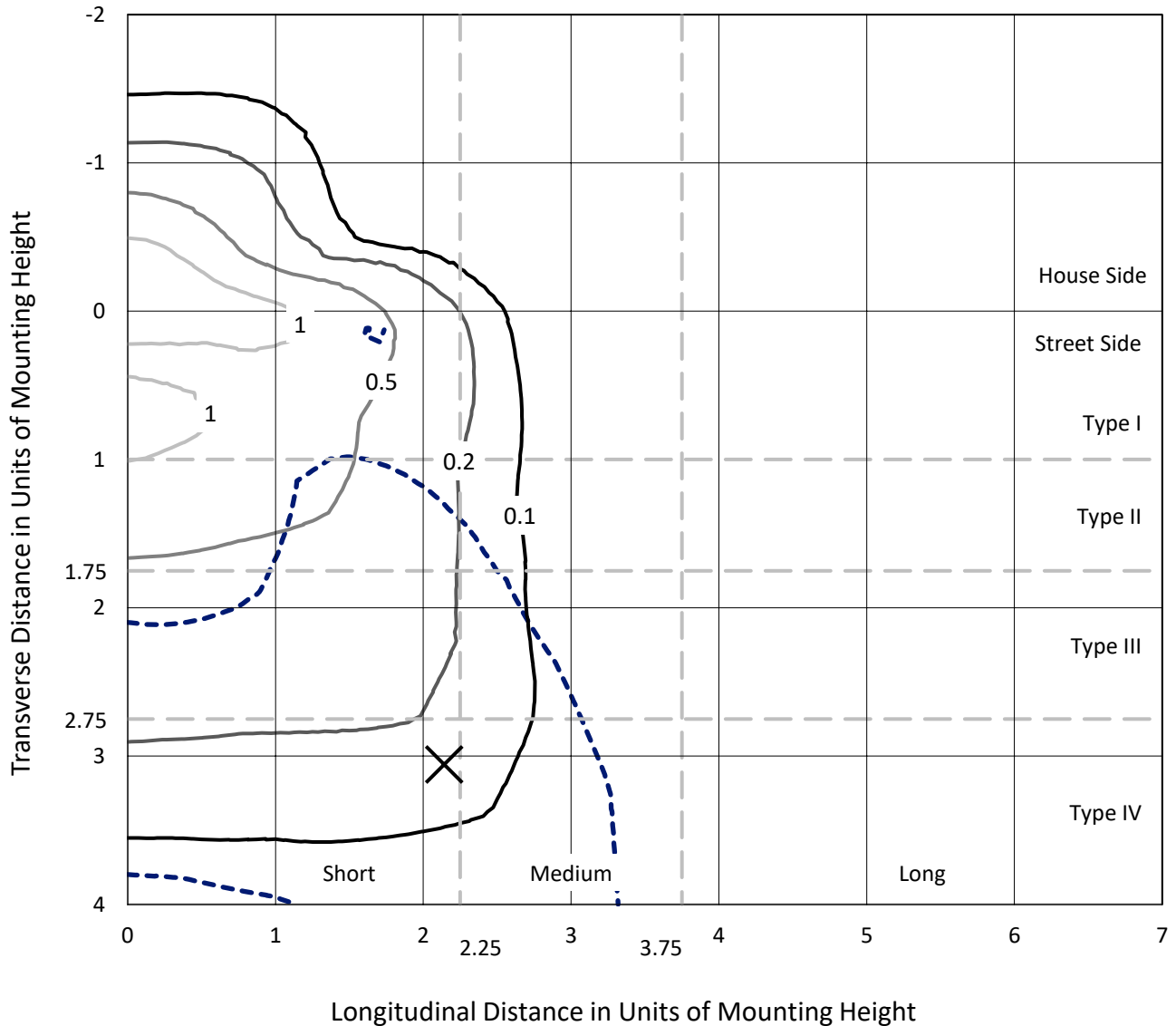
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852185
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Iso-Footcandle Lines of Horizontal Illumination

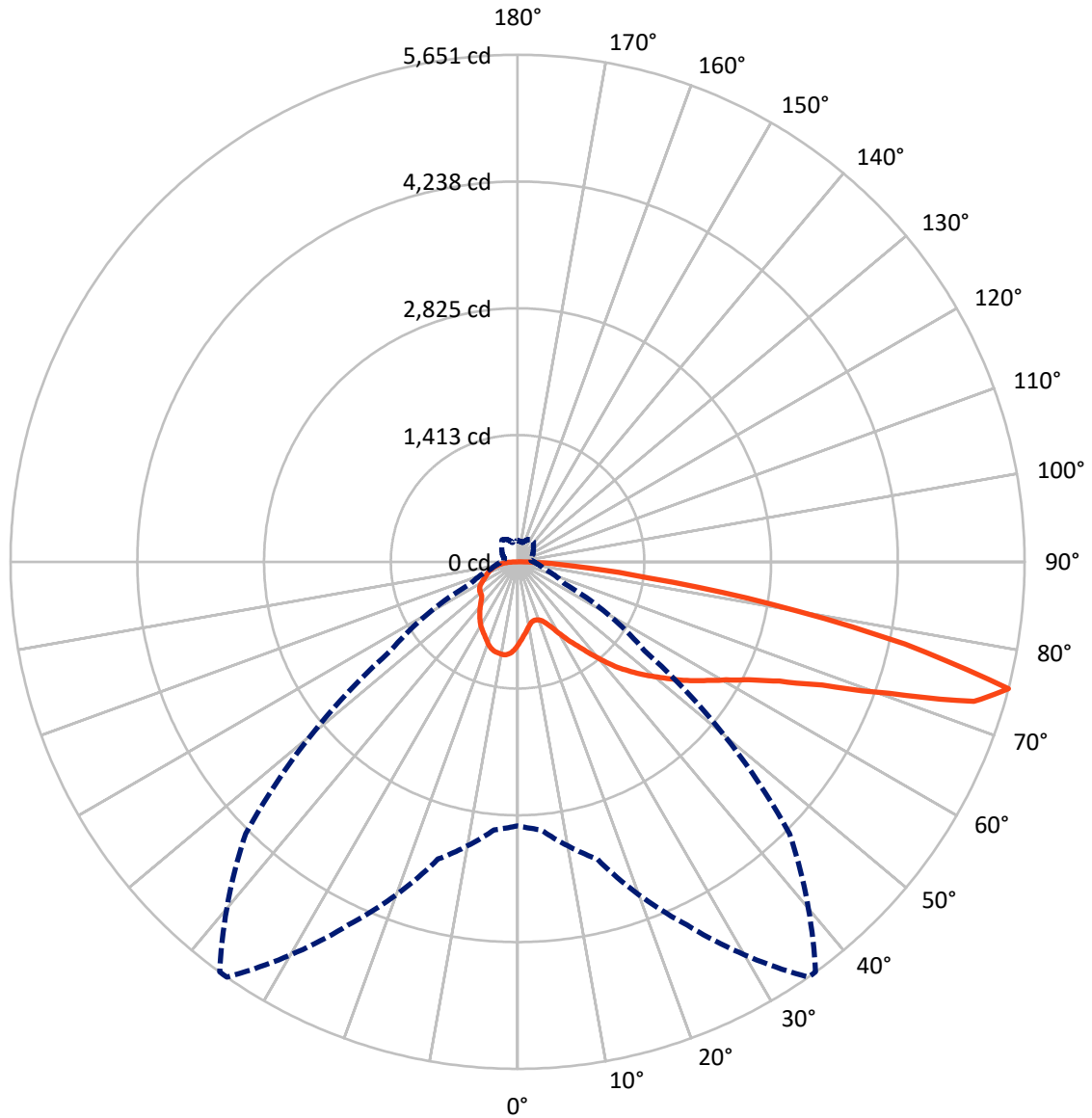
× Max cd
 - - - 1/2 Max cd



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

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CATALOG NUMBER: GLAN-SB2A-722-U-T4FT

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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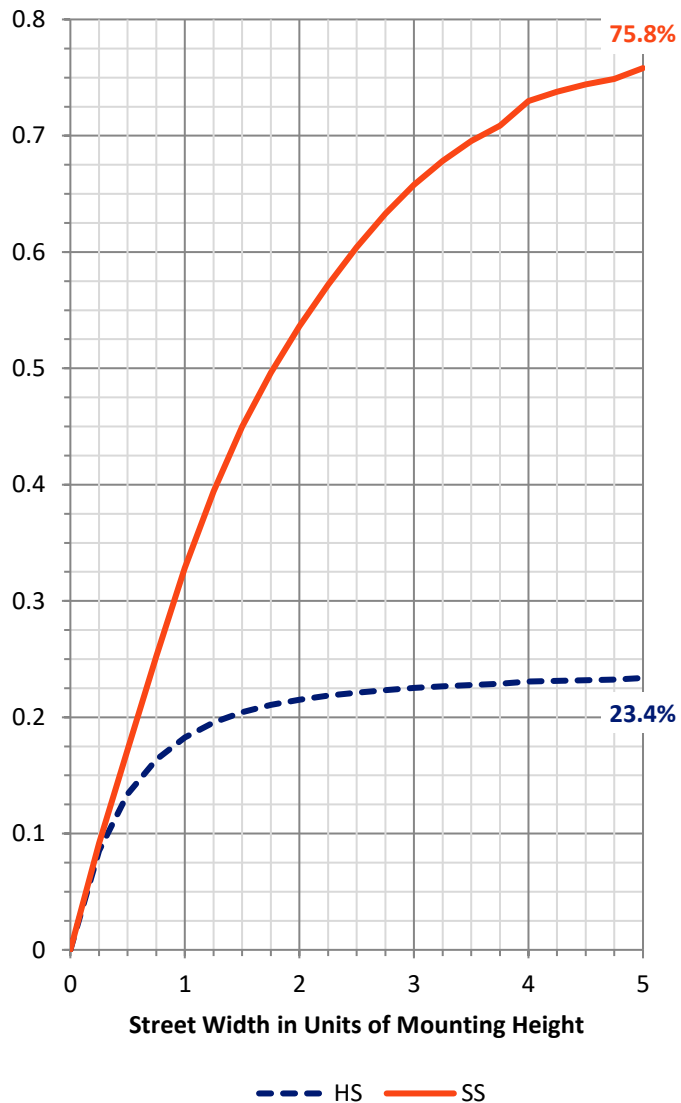
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1649.9	0.0	1649.9
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	5283.1	0.0	5283.1
	% Fixture	76.2	0.0	76.2
Total	Lumens	6933.0	0.0	6933.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.5	1.3
10°-20°	252.3	3.6
20°-30°	423.7	6.1
30°-40°	658.5	9.5
40°-50°	977.3	14.1
50°-60°	1349.3	19.5
60°-70°	1637.0	23.6
70°-80°	1352.8	19.5
80°-90°	194.6	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°	6933.0	100.0
0°-180°	6933.0	100.0

Coefficient of Utilization



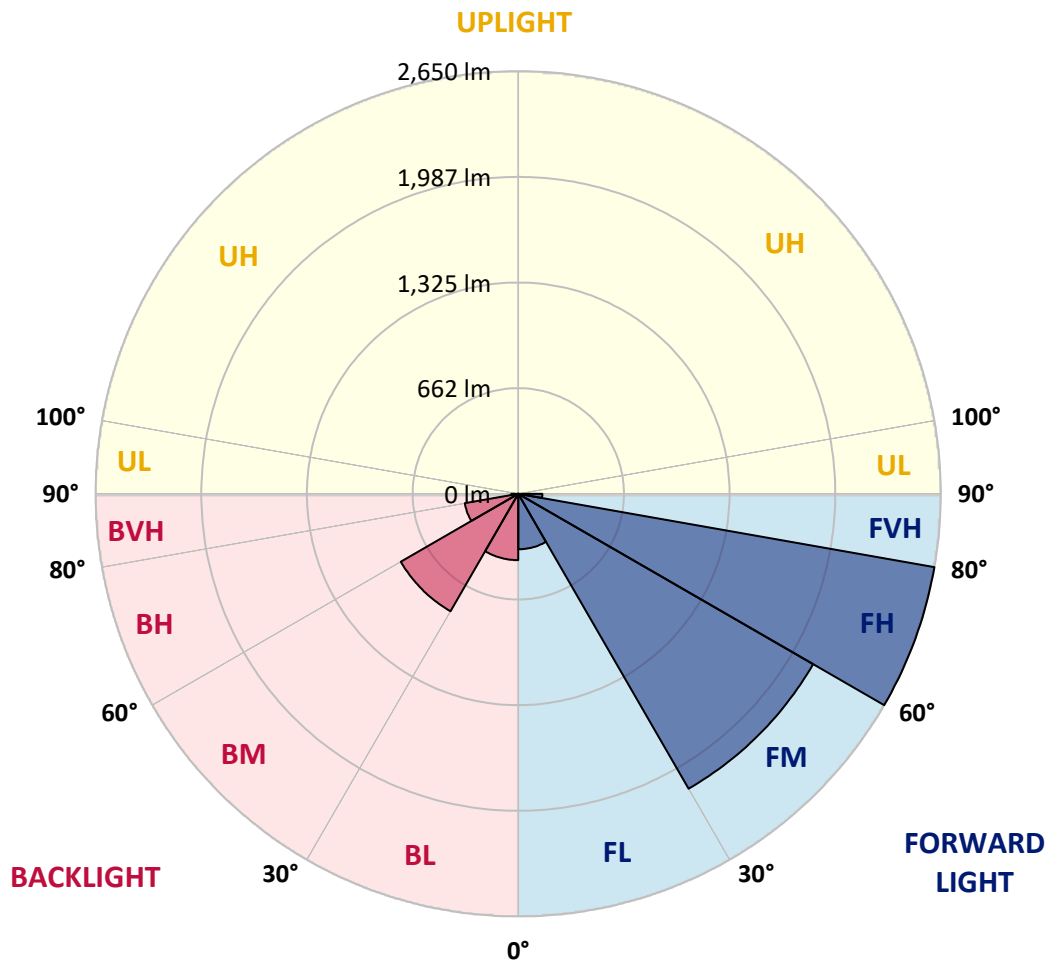
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 CATALOG NUMBER: GLAN-SB2A-722-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	347.7	5.0			
FM (30°-60°)	2135.0	30.8			
FH (60°-80°)	2649.7	38.2			G2/5000
FVH (80°-90°)	150.8	2.2			G2/225
BL (0°-30°)	415.8	6.0	B1/500		
BM (30°-60°)	850.1	12.3	B1/1000		
BH (60°-80°)	340.1	4.9	B1/500		G1/500
BVH (80°-90°)	43.8	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	923.9	923.9	923.9	923.9	923.9	923.9	923.9	923.9	923.9	923.9
2.5°	851.9	857.2	859.4	858.3	863.9	863.2	871.0	880.8	894.3	907.4
5°	786.3	791.9	796.8	801.3	812.2	815.6	827.9	846.7	871.4	896.5
7.5°	725.2	730.1	737.6	745.8	764.2	767.6	788.2	817.4	851.9	888.6
10°	675.4	680.3	688.1	697.5	720.4	724.5	750.7	789.7	834.7	881.1
12.5°	654.0	655.5	660.0	669.4	689.2	691.9	720.7	765.3	817.8	875.5
15°	652.9	655.9	656.3	661.1	677.6	678.8	705.4	749.6	807.3	874.4
17.5°	664.1	666.4	663.0	666.0	679.9	681.8	702.7	742.1	803.9	879.3
20°	694.1	696.0	685.9	681.8	691.9	693.4	714.0	747.0	807.3	889.4
22.5°	757.8	759.0	734.2	717.4	718.1	718.9	736.8	766.8	820.4	907.8
25°	857.2	856.4	817.1	784.4	765.7	761.6	773.6	799.1	842.5	932.1
27.5°	973.3	967.7	928.4	879.6	838.8	832.8	830.2	841.0	874.0	964.3
30°	1104.5	1099.3	1056.9	993.2	936.6	926.9	902.1	896.5	920.9	1008.2
32.5°	1248.4	1245.1	1194.5	1117.3	1041.6	1030.3	988.7	973.7	992.8	1074.5
35°	1369.1	1366.1	1324.1	1244.7	1152.1	1138.3	1095.9	1079.0	1088.8	1159.6
37.5°	1478.2	1476.7	1440.7	1378.1	1282.5	1265.7	1218.1	1212.5	1210.6	1271.7
40°	1579.4	1575.6	1538.2	1505.2	1434.3	1419.0	1377.0	1372.1	1357.9	1409.6
42.5°	1691.4	1681.7	1627.4	1612.0	1592.9	1580.1	1555.0	1555.8	1524.3	1565.1
45°	1782.9	1777.3	1721.4	1712.4	1733.1	1727.8	1749.5	1755.2	1694.1	1728.2
47.5°	1881.1	1875.8	1828.6	1822.3	1878.1	1879.6	1956.4	1958.3	1859.7	1897.6
50°	2002.2	1994.7	1947.8	1955.7	2018.3	2023.9	2164.4	2151.7	2012.3	2069.6
52.5°	2082.0	2086.5	2076.4	2089.1	2174.6	2179.8	2369.1	2336.5	2163.3	2239.4
55°	2140.8	2149.8	2181.3	2210.5	2339.5	2344.7	2562.1	2512.2	2288.5	2396.8
57.5°	2216.5	2203.8	2262.6	2319.6	2496.1	2510.0	2749.9	2681.7	2399.4	2532.5
60°	2325.2	2316.2	2362.0	2446.3	2671.5	2693.7	2948.5	2834.2	2480.8	2640.1
62.5°	2545.6	2523.1	2530.2	2604.8	2892.7	2921.9	3172.6	2967.3	2521.2	2682.0
65°	2875.1	2836.4	2800.5	2852.2	3204.1	3233.0	3425.6	3071.8	2506.3	2600.7
67.5°	3289.9	3251.7	3207.5	3256.2	3662.9	3685.7	3737.8	3130.7	2388.2	2287.4
70°	3632.1	3617.9	3670.7	3871.3	4395.6	4396.3	4138.1	3081.9	2064.7	1621.7
72.5°	3586.8	3578.2	3856.6	4476.5	5319.1	5299.2	4517.0	2713.1	1390.9	731.6
75°	2942.5	2998.4	3429.7	4465.7	5650.8	5648.2	4285.0	1724.8	575.3	303.2
77.5°	1577.9	1666.3	2226.7	3297.1	4411.3	4477.7	3012.6	603.4	247.0	194.1
80°	514.6	591.8	887.5	1678.7	2866.4	2854.1	1291.2	236.9	169.0	137.5
82.5°	218.5	227.5	396.5	792.7	1471.1	1448.2	411.1	136.1	118.8	94.1
85°	85.5	95.6	175.0	366.5	637.2	623.3	148.4	67.5	76.1	61.5
87.5°	28.1	34.1	62.6	125.6	198.3	191.1	36.4	23.2	33.0	28.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852185
 CATALOG NUMBER: GLAN-SB2A-722-U-T4FT

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
923.9	0°	923.9	923.9	923.9	923.9	923.9	923.9	923.9	923.9	923.9	923.9
926.5	2.5°	931.7	937.7	944.9	955.4	964.3	971.8	979.7	984.6	986.5	992.1
928.0	5°	938.5	951.6	969.2	986.5	1003.3	1013.4	1022.4	1026.9	1031.1	1034.1
932.1	7.5°	949.7	966.6	994.3	1016.8	1031.1	1039.3	1045.3	1043.8	1045.3	1046.1
936.6	10°	959.5	983.1	1016.1	1037.4	1048.3	1048.7	1047.2	1041.9	1039.3	1039.7
943.4	12.5°	971.1	997.3	1032.9	1050.9	1053.9	1045.7	1039.3	1030.3	1026.9	1025.4
953.5	15°	986.8	1016.8	1051.3	1058.0	1050.5	1040.1	1029.2	1014.6	1007.1	1001.1
970.7	17.5°	1005.9	1038.9	1065.5	1060.7	1044.6	1027.3	1009.7	987.6	972.2	965.8
994.3	20°	1032.6	1062.2	1076.4	1055.0	1030.7	1004.5	974.5	947.5	933.2	926.9
1024.3	22.5°	1064.8	1093.3	1086.9	1045.3	1010.8	968.8	931.4	911.5	904.4	899.9
1062.9	25°	1103.4	1127.8	1094.4	1031.1	978.2	921.6	892.8	886.4	883.0	879.6
1110.1	27.5°	1153.6	1166.7	1100.0	1010.1	927.2	871.4	860.9	862.0	860.9	855.3
1175.7	30°	1220.0	1217.3	1105.3	976.0	868.8	826.0	826.8	831.7	832.4	828.7
1267.2	32.5°	1307.3	1280.7	1107.9	931.7	812.9	786.3	787.1	792.3	796.1	789.7
1386.7	35°	1413.0	1354.5	1103.8	876.3	769.8	748.5	742.8	744.3	745.5	739.5
1531.8	37.5°	1536.3	1437.3	1085.4	814.8	734.2	711.4	699.4	689.2	683.3	677.6
1695.9	40°	1671.6	1527.7	1051.7	754.8	694.5	672.0	654.0	634.9	614.7	607.2
1869.9	42.5°	1813.3	1620.6	1010.8	697.5	648.8	630.4	611.3	583.6	553.2	537.8
2050.5	45°	1960.2	1715.8	970.7	640.9	601.9	594.0	571.9	538.6	505.6	486.1
2231.5	47.5°	2104.1	1805.8	911.9	583.9	558.1	566.7	549.4	518.7	482.0	451.3
2411.1	50°	2241.6	1890.1	815.6	526.2	522.5	558.4	542.0	497.7	455.8	416.4
2587.2	52.5°	2378.1	1958.3	692.2	473.7	503.3	556.2	532.2	483.5	432.1	390.9
2752.9	55°	2493.9	1993.5	573.4	428.8	475.6	537.1	520.6	466.6	398.8	354.9
2866.4	57.5°	2559.8	1965.0	474.5	384.5	437.4	505.6	500.7	430.6	359.1	325.3
2888.5	60°	2531.4	1849.6	393.5	345.9	401.0	471.5	466.2	395.0	328.7	296.8
2770.1	62.5°	2374.3	1629.6	329.4	312.2	368.0	436.6	431.8	367.7	305.5	274.7
2455.7	65°	2058.0	1325.6	279.6	284.1	334.7	394.7	401.8	344.8	287.1	257.1
1899.8	67.5°	1569.6	960.2	240.6	259.7	302.1	353.4	374.0	328.3	271.7	243.2
1099.3	70°	894.6	545.3	207.6	236.1	273.2	315.2	352.7	315.2	255.2	231.6
411.9	72.5°	339.2	250.4	179.5	212.5	245.5	283.0	329.1	294.6	236.1	218.5
212.9	75°	181.0	152.5	151.0	184.8	213.6	251.5	299.5	274.3	221.9	230.9
147.3	77.5°	123.3	107.9	126.3	158.2	178.8	216.6	268.0	243.6	192.3	191.5
101.9	80°	85.5	76.5	102.7	127.4	138.3	182.2	233.9	209.1	156.7	146.2
63.0	82.5°	51.3	49.8	76.8	95.2	97.8	140.5	193.8	175.4	128.2	111.7
37.5	85°	28.1	29.6	49.1	55.8	57.0	98.2	151.8	135.7	98.6	82.8
13.5	87.5°	7.9	10.1	18.0	22.1	27.4	51.0	90.3	80.6	49.5	34.5
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°
923.9
991.7
1034.8
1047.2
1040.4
1024.7
1003.0
966.2
926.1
900.6
879.6
856.4
830.5
792.7
743.6
681.4
610.5
539.7
484.6
447.9
413.0
386.4
351.2
320.8
292.3
269.9
252.2
238.7
228.6
215.5
238.4
176.5
139.8
112.4
83.6
34.5
0.0

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