

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: P852457

Luminaire Tested: **GLAN-SB4A-722-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852457
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-SB4A-722-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 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: 13895 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

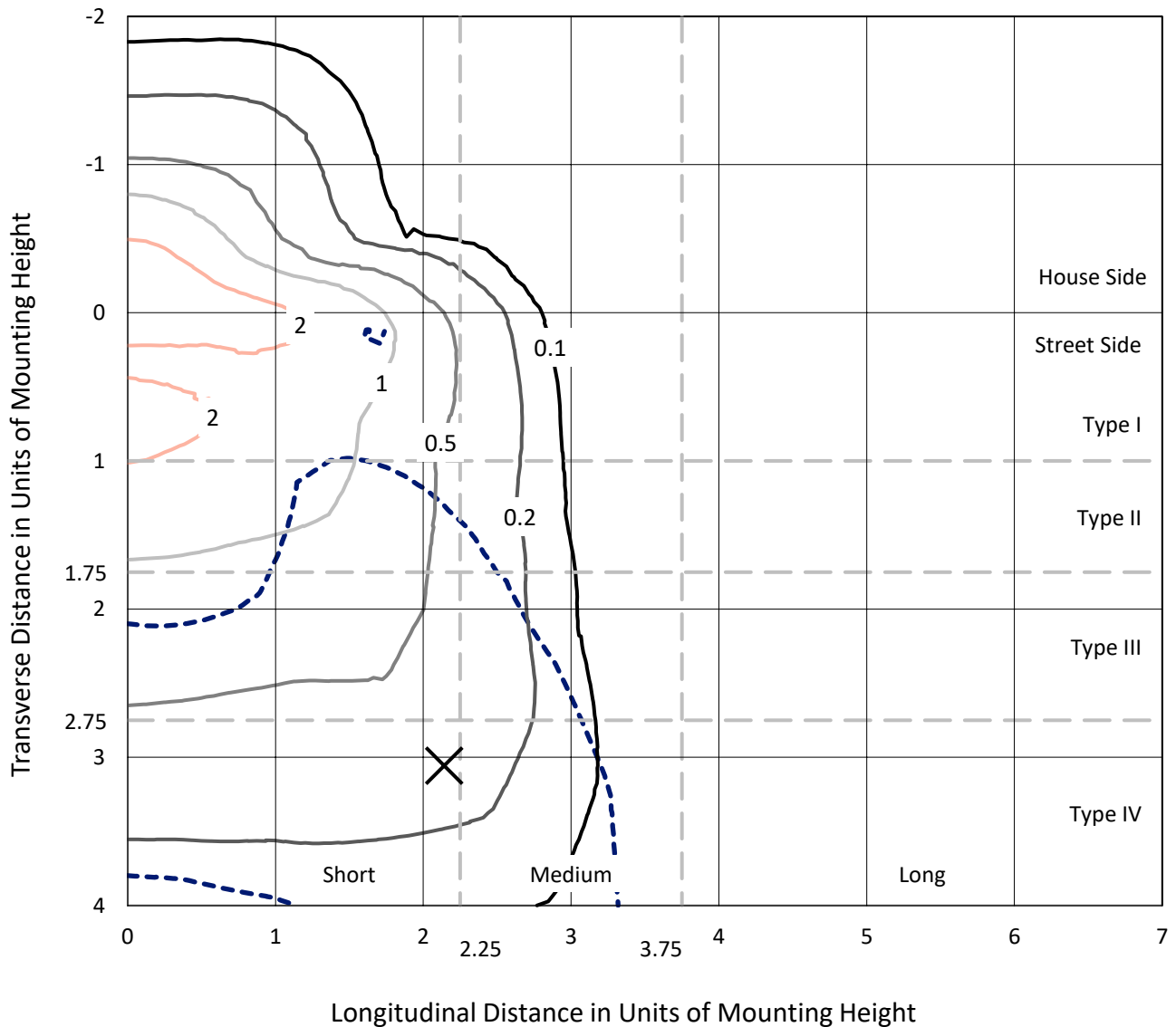
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

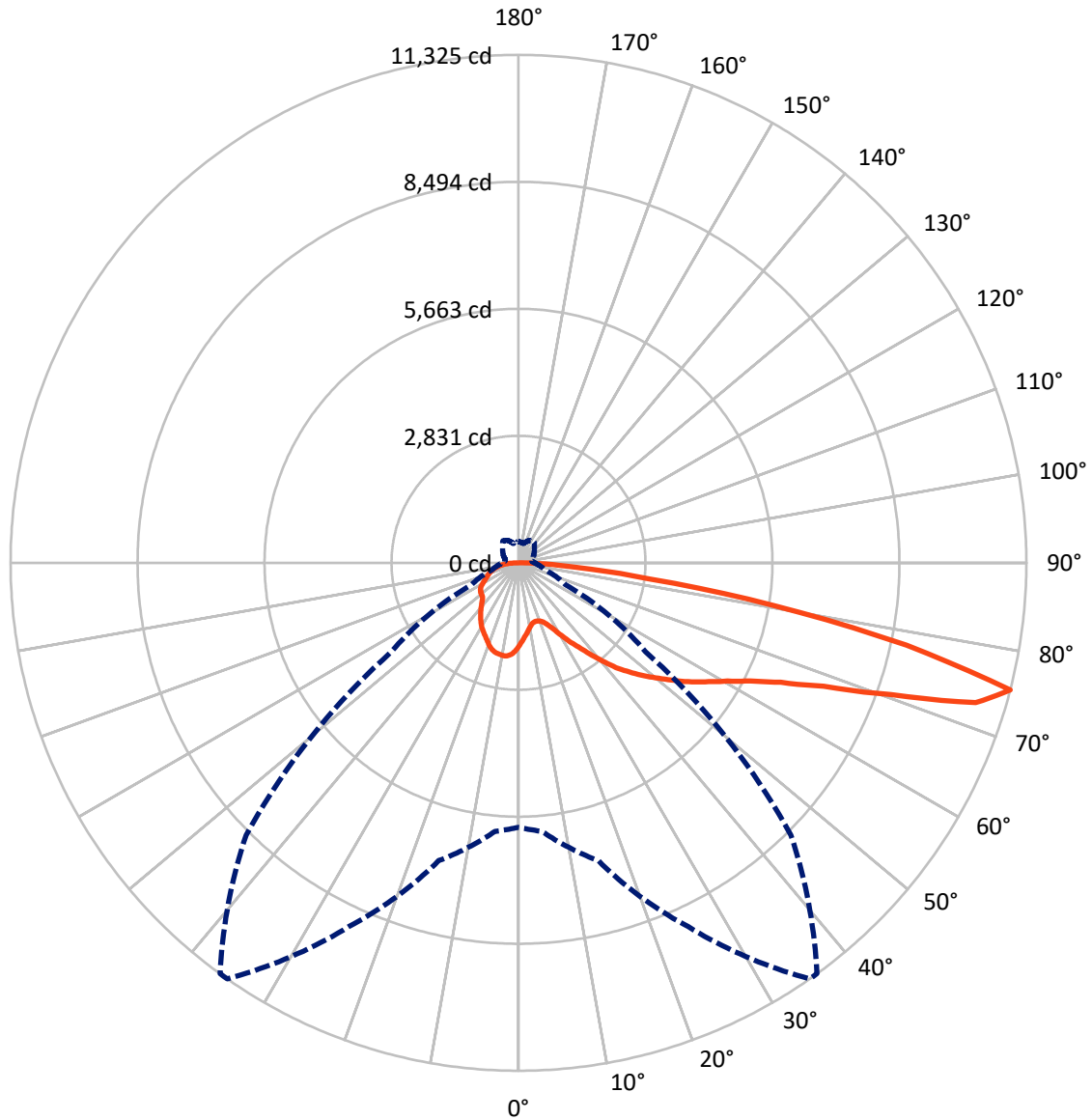
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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

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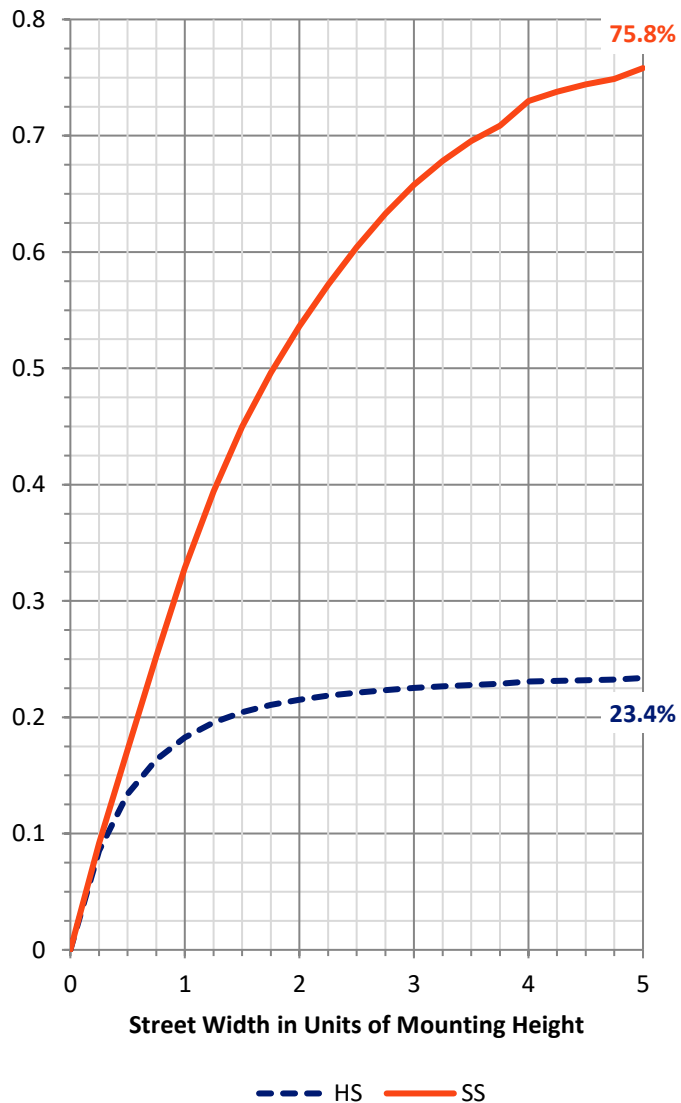
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3306.7	0.0	3306.7
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	10588.3	0.0	10588.3
	% Fixture	76.2	0.0	76.2
Total	Lumens	13895.0	0.0	13895.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.3	1.3
10°-20°	505.7	3.6
20°-30°	849.2	6.1
30°-40°	1319.7	9.5
40°-50°	1958.8	14.1
50°-60°	2704.2	19.5
60°-70°	3280.8	23.6
70°-80°	2711.4	19.5
80°-90°	390.0	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°	13895.0	100.0
0°-180°	13895.0	100.0

Coefficient of Utilization



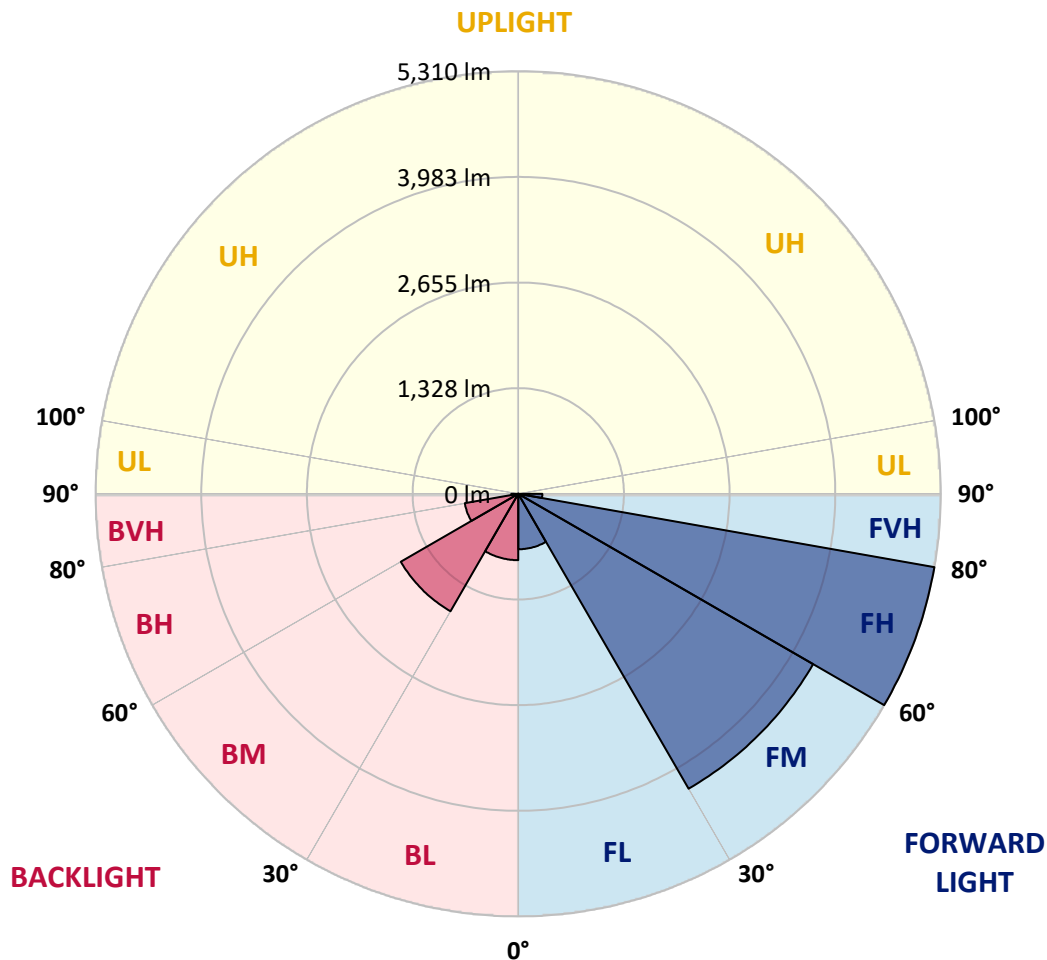
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	696.8	5.0			
FM (30°-60°)	4278.9	30.8			
FH (60°-80°)	5310.5	38.2			G3/7500
FVH (80°-90°)	302.2	2.2			G3/500
BL (0°-30°)	833.3	6.0	B2/1000		
BM (30°-60°)	1703.8	12.3	B2/2500		
BH (60°-80°)	681.7	4.9	B2/1000		G2/1000
BVH (80°-90°)	87.8	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	1851.6	1851.6	1851.6	1851.6	1851.6	1851.6	1851.6	1851.6	1851.6	1851.6
2.5°	1707.4	1717.9	1722.4	1720.2	1731.4	1729.9	1745.7	1765.2	1792.3	1818.6
5°	1575.9	1587.2	1597.0	1606.0	1627.8	1634.5	1659.3	1696.9	1746.4	1796.8
7.5°	1453.5	1463.3	1478.3	1494.8	1531.6	1538.4	1579.7	1638.3	1707.4	1781.0
10°	1353.6	1363.4	1379.1	1397.9	1443.7	1452.0	1504.6	1582.7	1672.8	1766.0
12.5°	1310.8	1313.8	1322.8	1341.6	1381.4	1386.6	1444.5	1533.9	1639.0	1754.7
15°	1308.5	1314.5	1315.3	1325.0	1358.1	1360.3	1413.7	1502.3	1618.0	1752.4
17.5°	1331.1	1335.6	1328.8	1334.8	1362.6	1366.4	1408.4	1487.3	1611.2	1762.2
20°	1391.1	1394.9	1374.6	1366.4	1386.6	1389.6	1431.0	1497.1	1618.0	1782.5
22.5°	1518.8	1521.1	1471.5	1437.7	1439.2	1440.7	1476.8	1536.9	1644.3	1819.3
25°	1717.9	1716.4	1637.5	1572.2	1534.6	1526.4	1550.4	1601.5	1688.6	1868.1
27.5°	1950.8	1939.5	1860.6	1763.0	1681.1	1669.1	1663.8	1685.6	1751.7	1932.7
30°	2213.7	2203.1	2118.3	1990.6	1877.1	1857.6	1808.0	1796.8	1845.6	2020.6
32.5°	2502.1	2495.3	2393.9	2239.2	2087.5	2064.9	1981.6	1951.5	1989.8	2153.6
35°	2744.0	2738.0	2653.8	2494.6	2309.1	2281.3	2196.4	2162.6	2182.1	2324.1
37.5°	2962.6	2959.6	2887.4	2762.0	2570.5	2536.7	2441.3	2430.0	2426.2	2548.7
40°	3165.4	3157.9	3082.7	3016.6	2874.7	2843.9	2759.8	2750.0	2721.4	2825.1
42.5°	3390.0	3370.4	3261.5	3230.7	3192.4	3166.9	3116.6	3118.1	3055.0	3136.8
45°	3573.3	3562.0	3450.1	3432.0	3473.4	3462.8	3506.4	3517.7	3395.2	3463.6
47.5°	3770.1	3759.5	3664.9	3652.1	3764.0	3767.1	3921.0	3924.8	3727.2	3803.1
50°	4012.7	3997.7	3903.8	3919.5	4045.0	4056.2	4337.9	4312.4	4033.0	4147.9
52.5°	4172.7	4181.7	4161.4	4187.0	4358.2	4368.7	4748.1	4682.7	4335.7	4488.2
55°	4290.6	4308.6	4371.7	4430.3	4688.7	4699.2	5134.9	5035.0	4586.6	4803.7
57.5°	4442.3	4416.8	4534.7	4648.9	5002.7	5030.5	5511.2	5374.5	4808.9	5075.6
60°	4660.2	4642.2	4733.8	4902.8	5354.2	5398.6	5909.4	5680.3	4971.9	5291.2
62.5°	5101.9	5056.8	5071.1	5220.5	5797.4	5856.0	6358.5	5946.9	5053.0	5375.3
65°	5762.1	5684.8	5612.6	5716.3	6421.6	6479.5	6865.6	6156.5	5023.0	5212.3
67.5°	6593.7	6517.0	6428.4	6526.1	7341.1	7386.9	7491.3	6274.4	4786.4	4584.3
70°	7279.5	7250.9	7356.8	7758.7	8809.6	8811.1	8293.5	6176.8	4138.1	3250.3
72.5°	7188.6	7171.3	7729.4	8971.8	10660.4	10620.6	9052.9	5437.6	2787.5	1466.3
75°	5897.3	6009.3	6873.8	8950.0	11325.2	11319.9	8588.0	3456.8	1153.0	607.7
77.5°	3162.4	3339.6	4462.6	6607.9	8841.1	8974.1	6037.8	1209.4	495.0	389.1
80°	1031.3	1186.1	1778.7	3364.4	5744.9	5720.1	2587.7	474.7	338.8	275.7
82.5°	437.9	456.0	794.7	1588.7	2948.3	2902.5	824.0	272.7	238.1	188.5
85°	171.3	191.5	350.8	734.6	1277.0	1249.2	297.5	135.2	152.5	123.2
87.5°	56.3	68.4	125.4	251.6	397.4	383.1	72.9	46.6	66.1	56.3
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°
1851.6	0°	1851.6	1851.6	1851.6	1851.6	1851.6	1851.6	1851.6	1851.6	1851.6	1851.6
1856.9	2.5°	1867.4	1879.4	1893.7	1914.7	1932.7	1947.8	1963.5	1973.3	1977.0	1988.3
1859.9	5°	1880.9	1907.2	1942.5	1977.0	2010.8	2031.1	2049.2	2058.2	2066.4	2072.4
1868.1	7.5°	1903.4	1937.2	1992.8	2037.9	2066.4	2083.0	2095.0	2092.0	2095.0	2096.5
1877.1	10°	1923.0	1970.3	2036.4	2079.2	2101.0	2101.7	2098.7	2088.2	2083.0	2083.7
1890.7	12.5°	1946.2	1998.8	2070.2	2106.2	2112.3	2095.7	2083.0	2064.9	2058.2	2055.2
1910.9	15°	1977.8	2037.9	2107.0	2120.5	2105.5	2084.5	2062.7	2033.4	2018.4	2006.3
1945.5	17.5°	2016.1	2082.2	2135.5	2125.8	2093.5	2058.9	2023.6	1979.3	1948.5	1935.7
1992.8	20°	2069.4	2128.8	2157.3	2114.5	2065.7	2013.1	1953.0	1898.9	1870.4	1857.6
2052.9	22.5°	2134.0	2191.1	2178.4	2095.0	2025.9	1941.7	1866.6	1826.8	1812.5	1803.5
2130.3	25°	2211.4	2260.2	2193.4	2066.4	1960.5	1847.1	1789.3	1776.5	1769.7	1763.0
2224.9	27.5°	2312.1	2338.4	2204.6	2024.4	1858.4	1746.4	1725.4	1727.7	1725.4	1714.1
2356.4	30°	2445.0	2439.8	2215.2	1956.0	1741.2	1655.6	1657.1	1666.8	1668.3	1660.8
2539.7	32.5°	2620.0	2566.7	2220.4	1867.4	1629.3	1575.9	1577.4	1587.9	1595.5	1582.7
2779.3	35°	2831.9	2714.7	2212.2	1756.2	1542.9	1500.1	1488.8	1491.8	1494.1	1482.0
3070.0	37.5°	3079.0	2880.7	2175.4	1633.0	1471.5	1425.7	1401.7	1381.4	1369.4	1358.1
3399.0	40°	3350.2	3061.7	2107.7	1512.8	1391.9	1346.8	1310.8	1272.5	1231.9	1216.9
3747.5	42.5°	3634.1	3248.0	2025.9	1397.9	1300.3	1263.4	1225.1	1169.6	1108.7	1077.9
4109.6	45°	3928.6	3438.8	1945.5	1284.5	1206.4	1190.6	1146.3	1079.4	1013.3	974.3
4472.4	47.5°	4217.0	3619.1	1827.6	1170.3	1118.5	1135.7	1101.2	1039.6	966.0	904.4
4832.2	50°	4492.7	3788.1	1634.5	1054.6	1047.1	1119.2	1086.2	997.5	913.4	834.5
5185.2	52.5°	4766.1	3924.8	1387.4	949.5	1008.8	1114.7	1066.6	969.0	866.1	783.5
5517.3	55°	4998.2	3995.4	1149.3	859.3	953.2	1076.4	1043.4	935.2	799.2	711.3
5744.9	57.5°	5130.4	3938.3	951.0	770.7	876.6	1013.3	1003.5	863.1	719.6	652.0
5789.2	60°	5073.3	3707.0	788.7	693.3	803.7	945.0	934.4	791.7	658.8	594.9
5551.8	62.5°	4758.6	3266.0	660.3	625.7	737.6	875.1	865.3	736.9	612.2	550.6
4921.6	65°	4124.6	2656.8	560.4	569.4	670.8	791.0	805.2	691.1	575.4	515.3
3807.6	67.5°	3145.8	1924.5	482.2	520.6	605.4	708.3	749.7	658.0	544.6	487.5
2203.1	70°	1793.0	1092.9	416.1	473.2	547.6	631.7	706.8	631.7	511.5	464.2
825.5	72.5°	679.8	501.8	359.8	425.9	492.0	567.1	659.5	590.4	473.2	437.9
426.7	75°	362.8	305.7	302.7	370.3	428.2	504.0	600.2	549.8	444.7	462.7
295.2	77.5°	247.1	216.3	253.1	317.0	358.3	434.2	537.1	488.3	385.3	383.8
204.3	80°	171.3	153.2	205.8	255.4	277.2	365.1	468.7	419.1	314.0	293.0
126.2	82.5°	102.9	99.9	154.0	190.8	196.1	281.7	388.3	351.5	256.9	223.8
75.1	85°	56.3	59.3	98.4	111.9	114.2	196.8	304.2	271.9	197.6	166.0
27.0	87.5°	15.8	20.3	36.1	44.3	54.8	102.2	181.0	161.5	99.2	69.1
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°
1851.6
1987.6
2073.9
2098.7
2085.2
2053.7
2010.1
1936.5
1856.1
1805.0
1763.0
1716.4
1664.6
1588.7
1490.3
1365.6
1223.6
1081.7
971.2
897.6
827.8
774.4
703.8
643.0
585.9
540.8
505.5
478.5
458.2
431.9
477.7
353.8
280.2
225.3
167.5
69.1
0.0

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