

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: P847848

Luminaire Tested: **GLAN-SB4A-850-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847848
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4A-850-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15447 lumens
Efficiency: N/A
Efficacy: 135.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

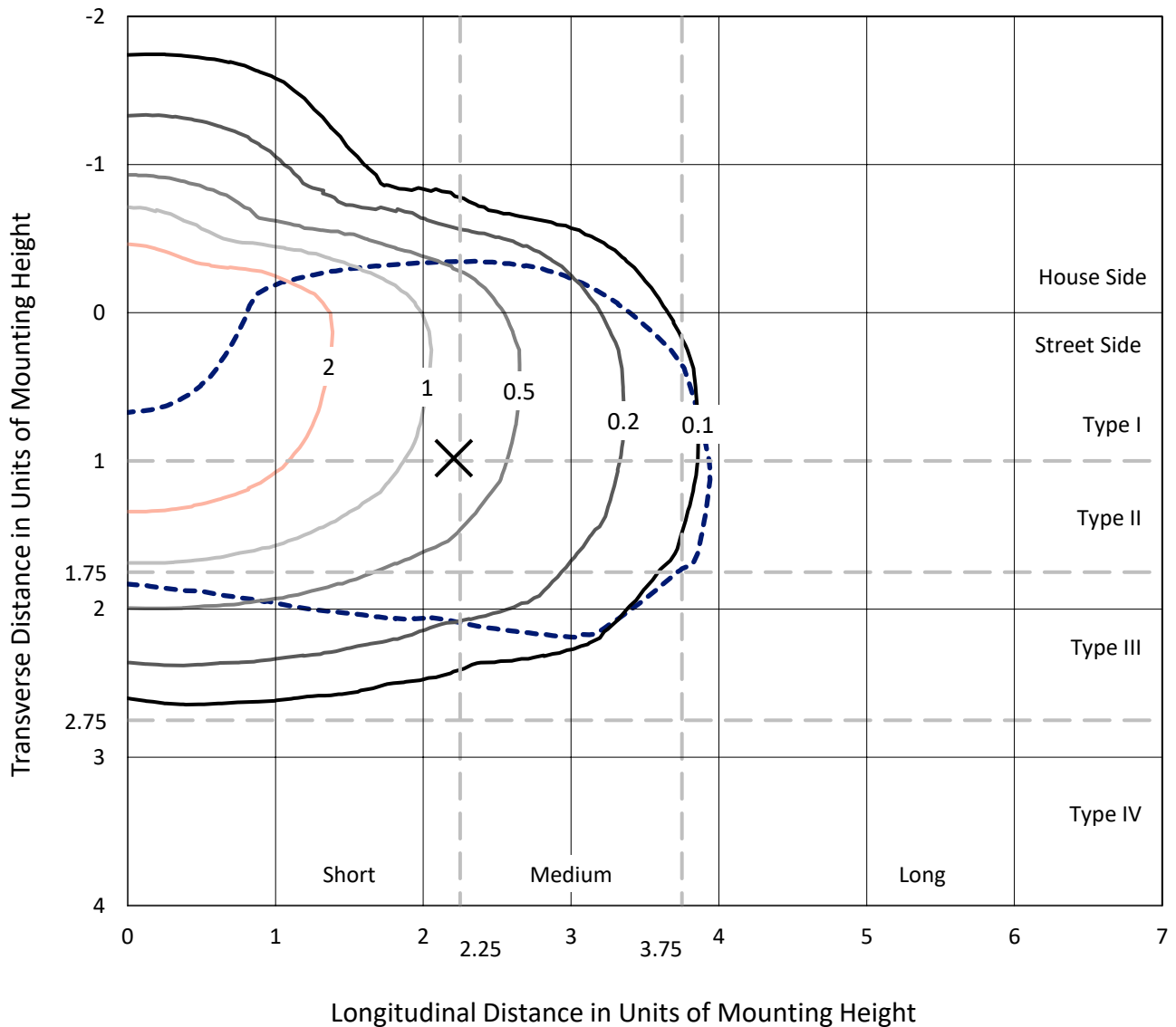
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

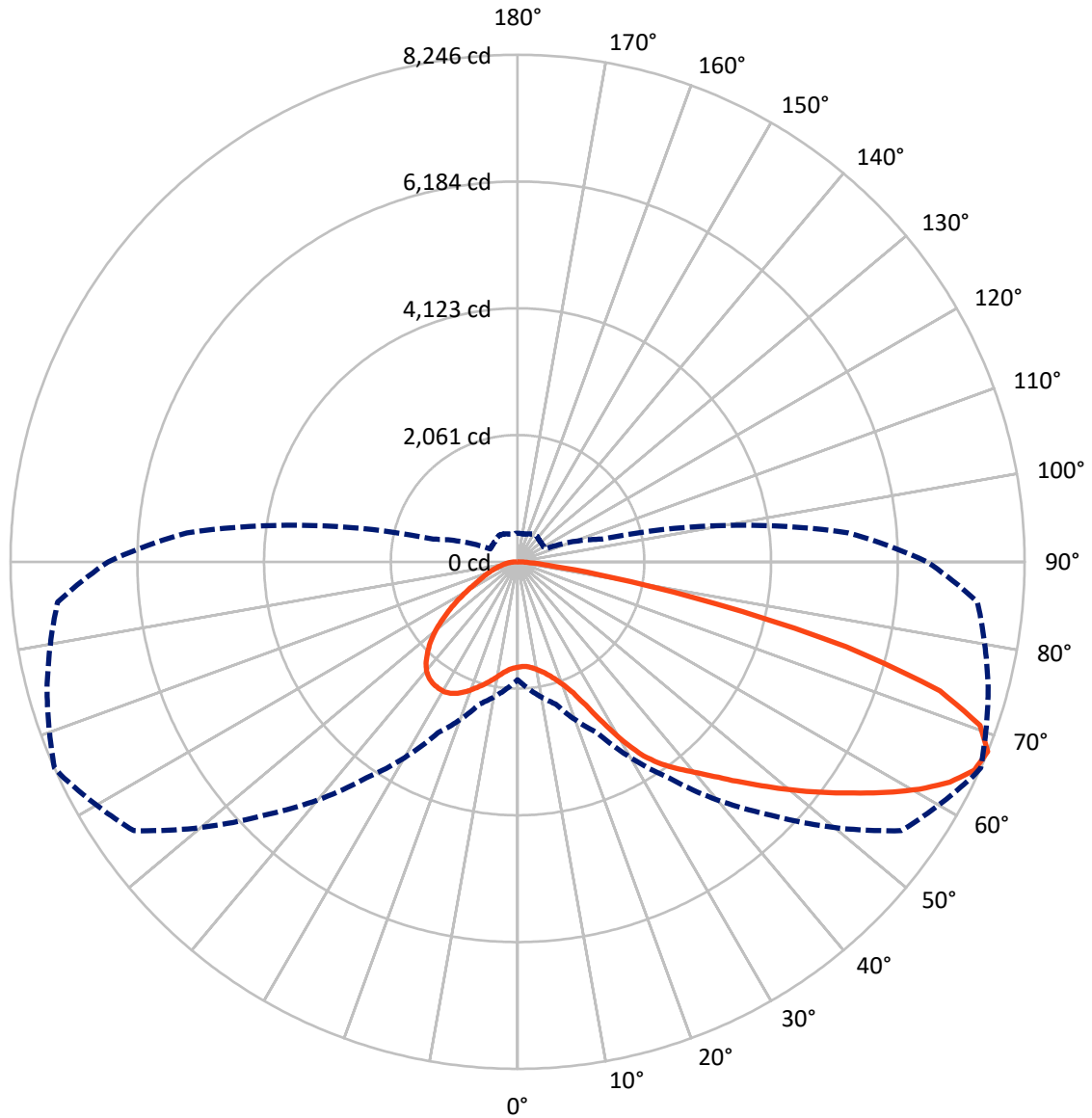
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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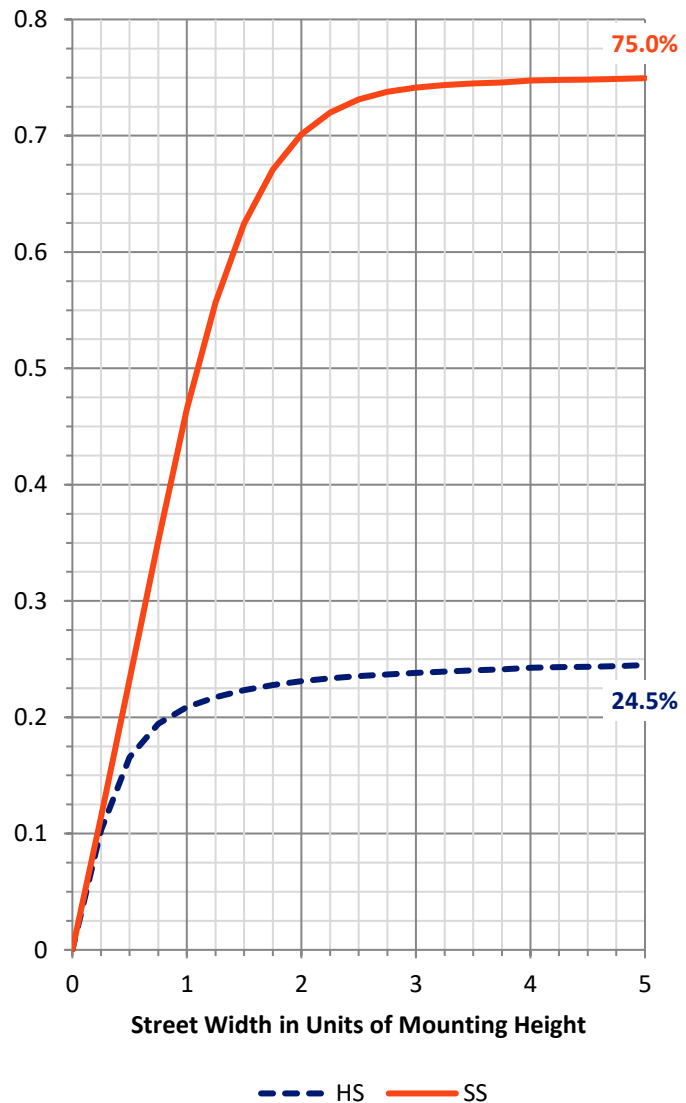
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3840.8	0.0	3840.8
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	11606.2	0.0	11606.2
	% Fixture	75.1	0.0	75.1
Total	Lumens	15447.0	0.0	15447.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.9	1.1
10°-20°	561.2	3.6
20°-30°	1081.7	7.0
30°-40°	1896.6	12.3
40°-50°	2819.7	18.3
50°-60°	3574.2	23.1
60°-70°	3497.2	22.6
70°-80°	1668.2	10.8
80°-90°	178.3	1.2
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°	15447.0	100.0
0°-180°	15447.0	100.0

Coefficient of Utilization



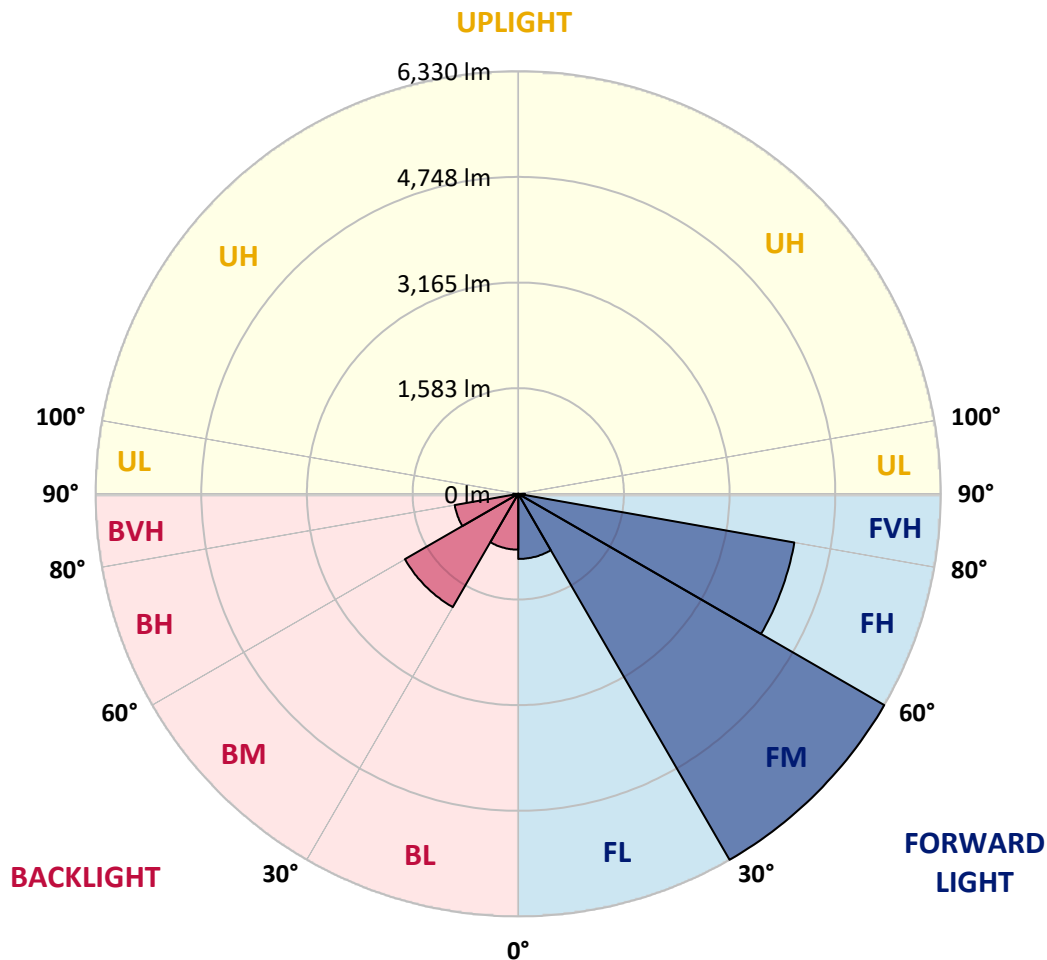
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	976.1	6.3			
FM (30°-60°)	6330.1	41.0			
FH (60°-80°)	4198.9	27.2			G2/5000
FVH (80°-90°)	101.1	0.7			G2/225
BL (0°-30°)	836.7	5.4	B2/1000		
BM (30°-60°)	1960.4	12.7	B2/2500		
BH (60°-80°)	966.6	6.3	B2/1000		G2/1000
BVH (80°-90°)	77.2	0.5			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	1713.3	1713.3	1713.3	1713.3	1713.3	1713.3	1713.3	1713.3	1713.3	1713.3
2.5°	1695.4	1705.2	1702.7	1698.7	1697.9	1699.5	1701.9	1704.3	1703.5	1707.6
5°	1690.6	1700.3	1699.5	1699.5	1702.7	1709.2	1713.3	1717.3	1713.3	1718.1
7.5°	1693.8	1701.1	1704.3	1707.6	1715.7	1727.9	1737.6	1746.6	1741.7	1747.4
10°	1735.2	1740.9	1744.1	1744.1	1749.8	1763.6	1773.3	1789.6	1785.5	1794.4
12.5°	1810.7	1816.3	1816.3	1813.1	1817.2	1826.1	1829.3	1847.2	1839.9	1854.5
15°	1903.2	1914.6	1905.6	1899.9	1901.6	1910.5	1909.7	1923.5	1916.2	1928.3
17.5°	2005.5	2020.1	2005.5	2004.6	2001.4	2011.1	2011.9	2024.1	2011.1	2020.1
20°	2126.4	2146.7	2134.5	2138.6	2131.2	2135.3	2139.4	2157.2	2136.9	2143.4
22.5°	2296.8	2321.2	2308.2	2323.6	2318.7	2315.5	2314.7	2346.3	2314.7	2317.1
25°	2545.2	2574.4	2551.7	2572.8	2572.8	2583.3	2595.5	2636.1	2583.3	2567.9
27.5°	2912.0	2941.2	2896.6	2909.6	2905.5	2931.5	2918.5	3019.1	2962.3	2937.2
30°	3353.5	3405.5	3321.0	3317.8	3313.7	3355.1	3373.8	3440.3	3382.7	3357.6
32.5°	3830.7	3885.1	3784.5	3755.2	3739.8	3765.0	3749.6	3803.1	3763.4	3724.4
35°	4335.5	4389.1	4293.3	4236.5	4174.8	4122.1	4066.9	4080.7	4043.4	3984.1
37.5°	4812.8	4911.0	4809.5	4748.6	4635.0	4531.9	4377.7	4313.6	4278.7	4224.4
40°	5298.9	5354.9	5277.8	5225.9	5102.5	4941.0	4694.3	4558.7	4511.7	4458.9
42.5°	5656.8	5710.4	5669.0	5633.3	5536.7	5349.2	5030.3	4860.6	4792.5	4733.2
45°	5940.9	5980.6	5954.7	5967.7	5926.3	5744.5	5378.4	5184.5	5113.9	5041.6
47.5°	6055.3	6097.5	6138.9	6216.0	6286.6	6152.7	5752.6	5535.1	5460.4	5386.6
50°	6042.3	6085.3	6205.5	6369.4	6588.5	6543.9	6147.0	5908.4	5839.4	5755.0
52.5°	5938.4	5987.1	6141.3	6414.0	6763.0	6836.9	6548.8	6293.9	6229.0	6128.4
55°	5665.7	5695.0	5926.3	6312.6	6804.4	7041.4	6942.4	6704.6	6639.7	6499.3
57.5°	5160.1	5202.3	5539.1	6039.1	6700.5	7180.2	7288.1	7136.4	7073.9	6871.8
60°	4500.3	4567.7	4953.2	5579.7	6435.9	7179.4	7602.2	7560.8	7508.9	7238.6
62.5°	3753.6	3831.5	4202.4	4930.4	5973.3	6975.7	7798.6	7916.3	7889.5	7577.0
65°	2882.8	2936.3	3305.6	4090.4	5253.5	6538.2	7821.3	8159.0	8163.8	7834.3
67.5°	1919.4	2073.6	2394.2	3069.5	4289.3	5823.2	7621.7	8198.7	8245.8	7922.8
70°	936.6	1139.5	1453.6	1994.9	3069.5	4726.7	7099.8	7872.5	7977.2	7664.7
72.5°	388.8	454.5	625.7	984.5	1762.0	3189.6	6051.3	6987.8	7181.8	6791.4
75°	262.1	284.1	357.9	504.8	802.7	1572.9	4363.9	5210.4	5522.9	5129.3
77.5°	202.1	215.9	260.5	353.0	477.2	594.9	2335.8	3140.1	3301.6	3056.5
80°	159.1	169.6	194.8	257.3	338.4	318.1	796.2	1422.7	1516.1	1271.8
82.5°	138.0	142.0	139.6	174.5	224.8	185.9	261.3	525.1	579.5	420.4
85°	99.8	111.2	116.1	107.9	119.3	94.1	107.1	185.9	204.5	182.6
87.5°	40.6	60.1	73.9	69.8	43.8	26.8	33.3	54.4	62.5	68.2
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°
1713.3	0°	1713.3	1713.3	1713.3	1713.3	1713.3	1713.3	1713.3	1713.3	1713.3	1713.3
1714.1	2.5°	1714.9	1720.6	1724.6	1729.5	1732.8	1737.6	1747.4	1753.0	1753.9	1757.9
1727.1	5°	1730.3	1738.4	1747.4	1760.3	1775.0	1787.1	1805.8	1818.8	1823.7	1827.7
1758.7	7.5°	1763.6	1775.0	1791.2	1813.9	1835.0	1851.2	1874.0	1889.4	1904.8	1910.5
1809.0	10°	1813.1	1829.3	1852.9	1883.7	1906.4	1927.5	1951.1	1964.1	1979.5	1986.0
1869.1	12.5°	1874.8	1891.8	1922.7	1965.7	1986.8	2001.4	2009.5	2006.3	2009.5	2015.2
1941.3	15°	1945.4	1964.1	1999.0	2045.2	2059.8	2046.8	2029.0	2012.8	2010.3	2011.9
2029.0	17.5°	2029.0	2042.8	2083.4	2122.3	2111.8	2058.2	2019.2	1993.3	1980.3	1976.2
2141.0	20°	2145.9	2145.9	2179.1	2203.5	2132.9	2042.0	1981.1	1938.9	1912.1	1900.8
2293.6	22.5°	2287.9	2274.9	2296.0	2279.0	2128.8	1996.5	1912.1	1839.1	1798.5	1782.3
2507.0	25°	2468.1	2452.6	2447.0	2341.5	2099.6	1924.3	1787.1	1698.7	1663.0	1654.0
2814.6	27.5°	2739.9	2701.0	2627.1	2375.5	2046.0	1810.7	1641.0	1559.1	1538.8	1539.6
3209.9	30°	3101.9	3024.0	2843.0	2381.2	1958.4	1650.0	1491.7	1433.3	1423.5	1427.6
3541.8	32.5°	3437.1	3363.2	3063.8	2355.2	1823.7	1492.5	1357.8	1318.8	1304.2	1309.1
3795.0	35°	3700.1	3679.8	3268.3	2318.7	1658.1	1344.8	1237.7	1204.4	1176.0	1169.5
4033.6	37.5°	3948.4	3940.3	3421.7	2267.6	1494.1	1240.1	1141.1	1097.3	1055.9	1033.2
4297.4	40°	4221.1	4213.0	3522.3	2188.9	1348.9	1149.2	1054.3	996.6	945.5	904.1
4596.1	42.5°	4527.9	4480.0	3570.2	2076.1	1225.5	1072.1	983.7	905.7	838.4	800.2
4933.7	45°	4863.1	4755.1	3569.4	1932.4	1121.6	1001.5	908.2	797.8	735.3	699.6
5280.2	47.5°	5218.6	5018.1	3525.6	1773.3	1021.0	923.6	791.3	706.9	665.5	643.6
5656.8	50°	5585.4	5264.0	3450.9	1590.7	917.9	835.1	718.3	660.6	629.0	608.7
6030.1	52.5°	5930.3	5487.2	3360.8	1383.8	813.2	749.1	685.8	641.2	607.9	585.2
6392.1	55°	6250.9	5679.5	3233.4	1171.9	728.0	691.5	670.4	633.0	594.9	568.1
6759.8	57.5°	6535.8	5804.5	3013.5	973.1	667.1	651.7	654.1	619.2	575.4	552.7
7121.7	60°	6772.8	5896.2	2688.0	788.9	617.6	612.8	629.0	593.3	542.1	516.2
7427.7	62.5°	6914.8	5894.6	2288.7	646.0	575.4	577.0	595.7	560.8	508.9	484.5
7587.6	65°	6902.6	5750.1	1850.4	552.7	534.8	536.5	560.8	525.1	481.3	466.7
7507.3	67.5°	6658.3	5397.9	1419.5	491.8	490.2	497.5	525.9	500.8	464.2	462.6
7028.4	70°	5996.9	4666.7	1022.6	443.1	443.9	454.5	491.8	485.3	455.3	458.6
5909.2	72.5°	4808.7	3558.0	686.6	392.0	392.8	409.9	459.4	473.2	446.4	489.4
4192.7	75°	3202.6	2218.9	441.5	337.6	338.4	360.3	431.0	449.6	422.0	487.8
2181.6	77.5°	1538.8	997.4	319.8	284.1	284.1	304.3	372.5	402.6	359.5	379.0
701.2	80°	531.6	375.0	251.6	228.9	224.0	237.8	314.1	349.0	310.0	285.7
228.9	82.5°	209.4	194.8	202.1	177.7	161.5	170.4	244.3	288.1	228.1	206.1
129.0	85°	120.1	126.6	142.8	117.7	93.3	104.7	179.4	207.0	172.1	151.8
42.2	87.5°	32.5	44.6	65.7	60.9	42.2	44.6	85.2	114.4	99.0	76.3
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

180°
1713.3
1757.1
1826.9
1911.3
1989.2
2016.8
2017.6
1981.9
1898.3
1779.8
1655.7
1542.0
1441.4
1315.6
1174.4
1034.0
908.2
802.7
698.0
638.7
601.4
575.4
557.6
538.1
504.8
477.2
465.9
465.0
457.7
495.9
491.8
347.4
267.8
205.3
155.0
78.7
0.0

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