

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: P852259

Luminaire Tested: **GLAN-SB2C-735-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852259
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-SB2C-735-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14526 lumens
Efficiency: N/A
Efficacy: 144.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

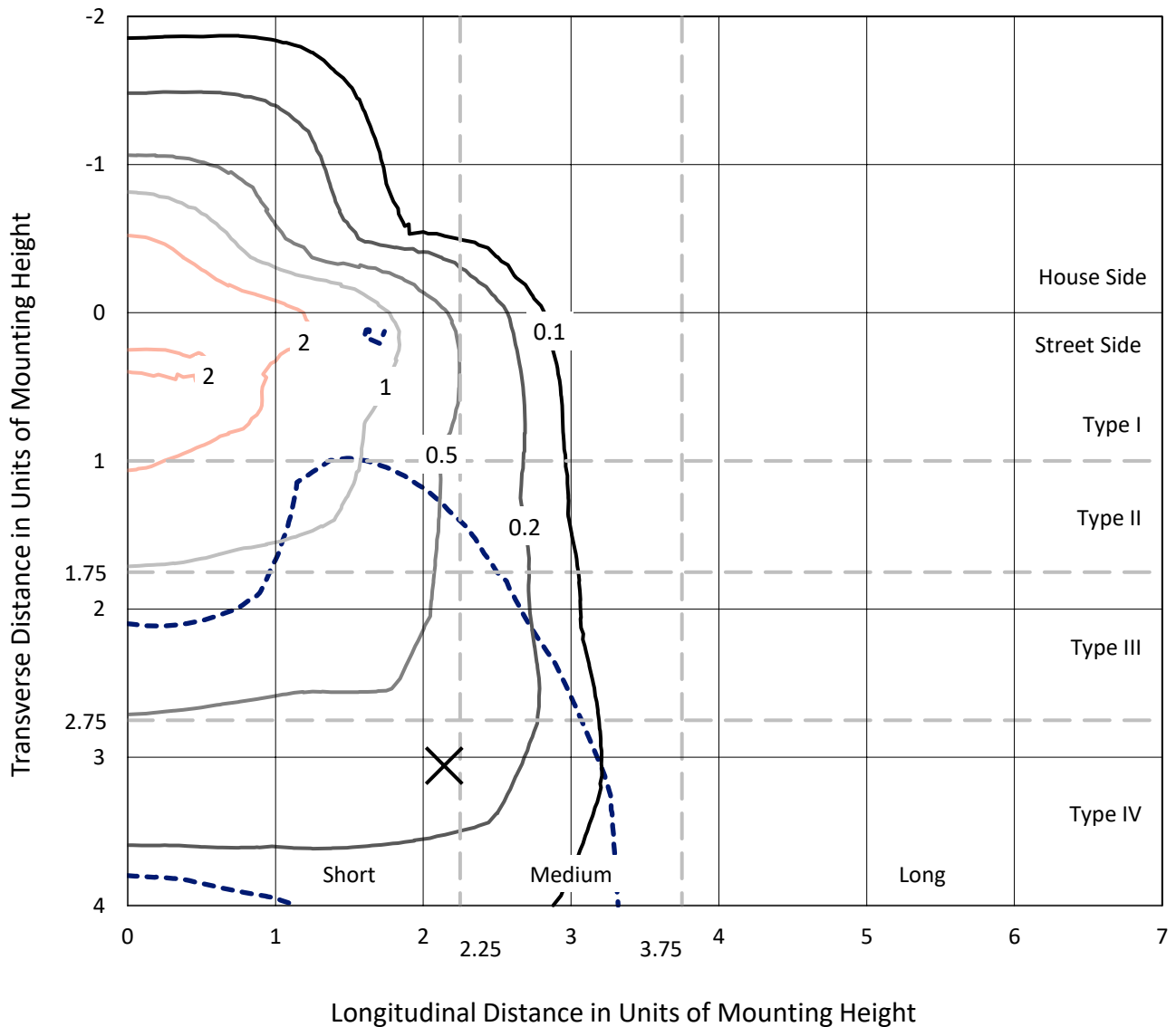
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

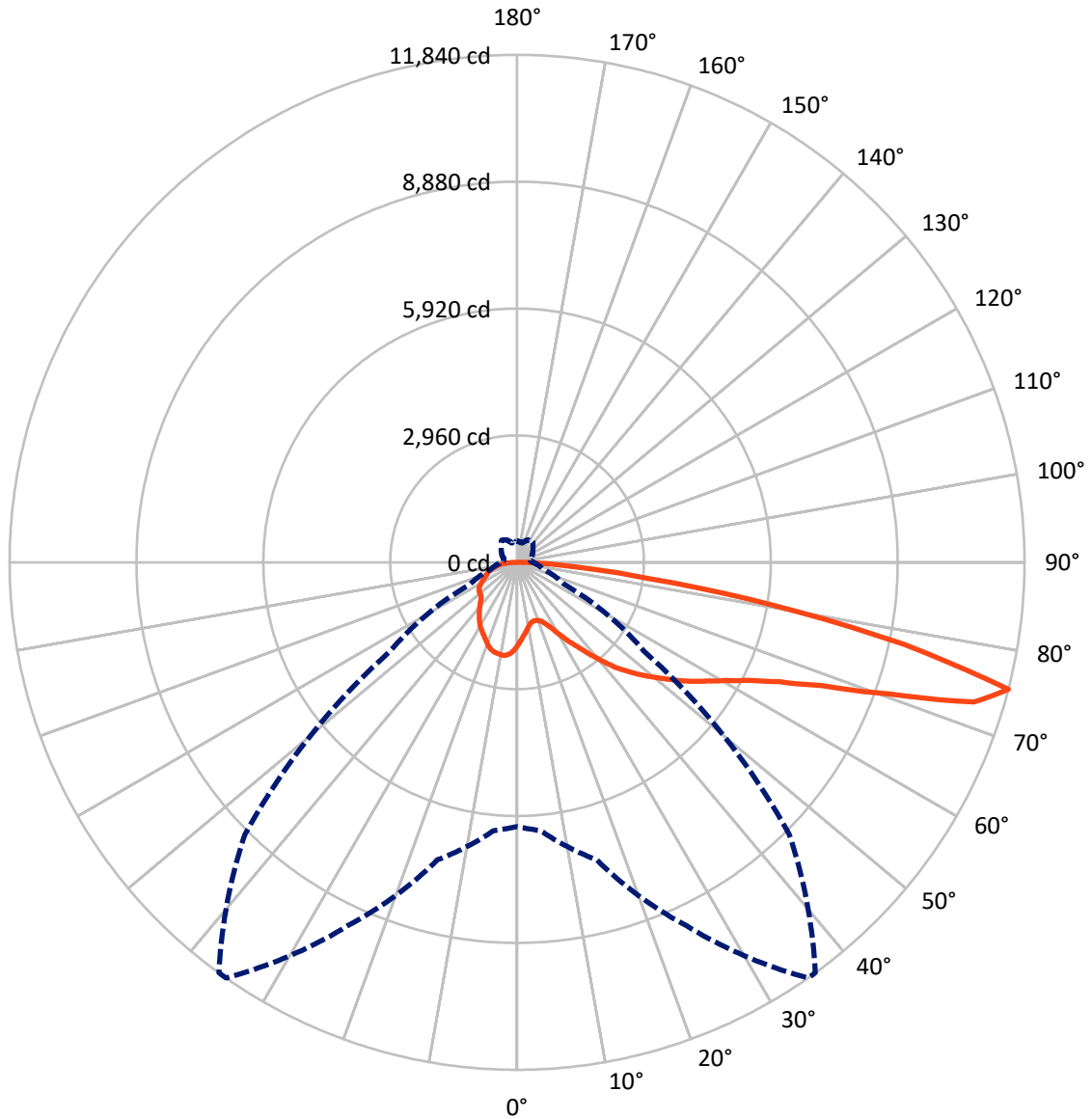
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 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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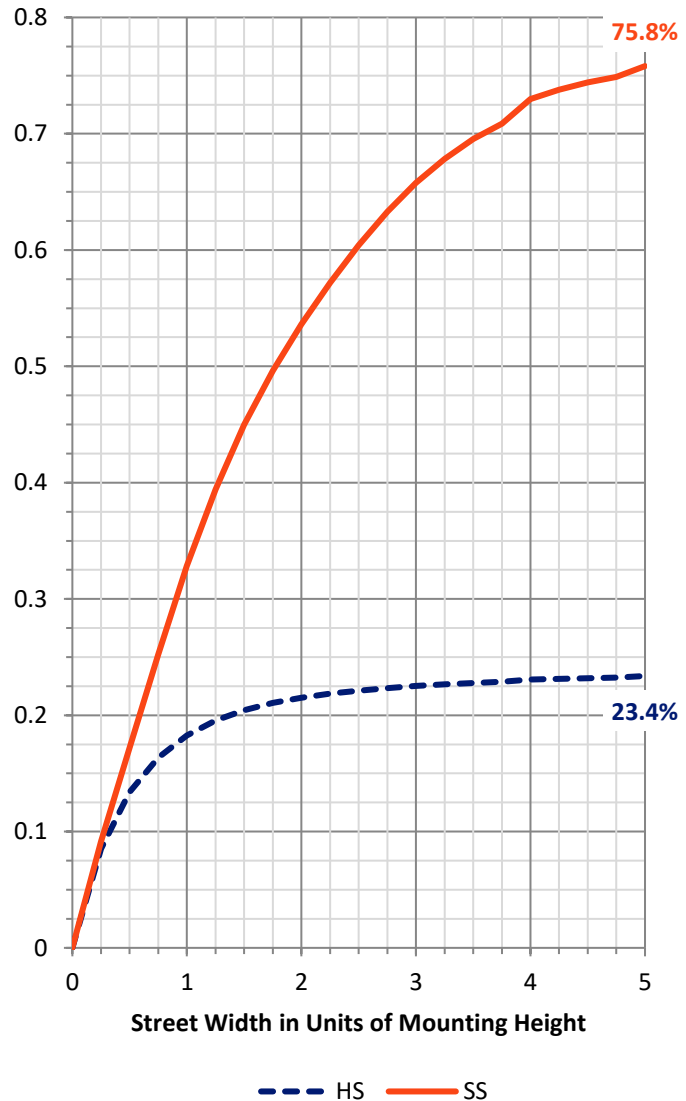
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3456.8	0.0	3456.8
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	11069.2	0.0	11069.2
	% Fixture	76.2	0.0	76.2
Total	Lumens	14526.0	0.0	14526.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.3	1.3
10°-20°	528.6	3.6
20°-30°	887.7	6.1
30°-40°	1379.6	9.5
40°-50°	2047.7	14.1
50°-60°	2827.0	19.5
60°-70°	3429.8	23.6
70°-80°	2834.5	19.5
80°-90°	407.7	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°	14526.0	100.0
0°-180°	14526.0	100.0

Coefficient of Utilization



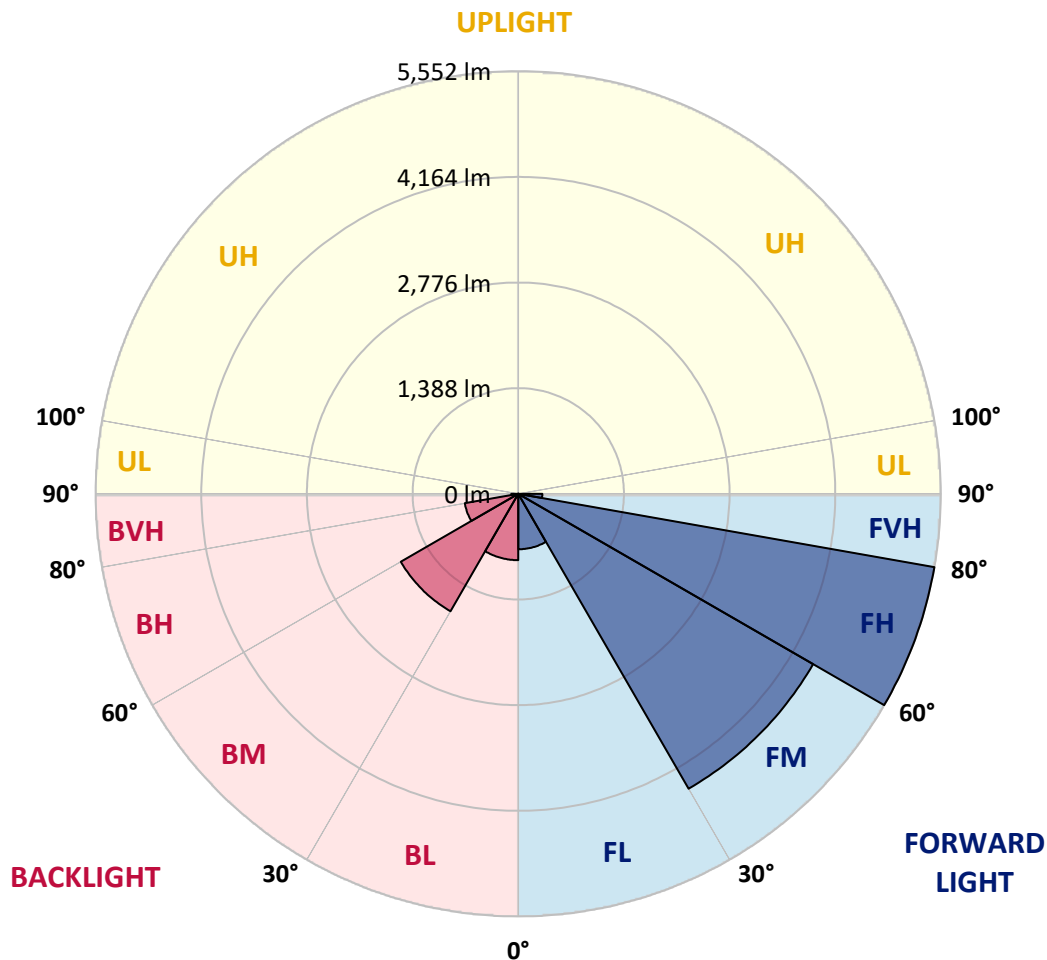
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	728.4	5.0			
FM (30°-60°)	4473.2	30.8			
FH (60°-80°)	5551.6	38.2			G3/7500
FVH (80°-90°)	315.9	2.2			G3/500
BL (0°-30°)	871.2	6.0	B2/1000		
BM (30°-60°)	1781.2	12.3	B2/2500		
BH (60°-80°)	712.7	4.9	B2/1000		G2/1000
BVH (80°-90°)	91.8	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°	1935.7	1935.7	1935.7	1935.7	1935.7	1935.7	1935.7	1935.7	1935.7	1935.7
2.5°	1784.9	1795.9	1800.6	1798.3	1810.0	1808.5	1825.0	1845.4	1873.7	1901.1
5°	1647.5	1659.3	1669.5	1678.9	1701.7	1708.7	1734.7	1773.9	1825.8	1878.4
7.5°	1519.5	1529.7	1545.4	1562.7	1601.2	1608.2	1651.4	1712.7	1784.9	1861.9
10°	1415.1	1425.3	1441.8	1461.4	1509.3	1517.9	1572.9	1654.6	1748.8	1846.2
12.5°	1370.3	1373.4	1382.9	1402.5	1444.1	1449.6	1510.1	1603.5	1713.5	1834.4
15°	1367.9	1374.2	1375.0	1385.2	1419.8	1422.1	1477.9	1570.5	1691.5	1832.0
17.5°	1391.5	1396.2	1389.1	1395.4	1424.5	1428.4	1472.4	1554.8	1684.4	1842.2
20°	1454.3	1458.2	1437.0	1428.4	1449.6	1452.7	1495.9	1565.0	1691.5	1863.4
22.5°	1587.8	1590.2	1538.3	1503.0	1504.6	1506.1	1543.8	1606.7	1719.0	1901.9
25°	1795.9	1794.3	1711.9	1643.6	1604.3	1595.7	1620.8	1674.2	1765.3	1953.0
27.5°	2039.3	2027.6	1945.1	1843.0	1757.4	1744.9	1739.4	1762.1	1831.2	2020.5
30°	2314.2	2303.2	2214.5	2081.0	1962.4	1942.0	1890.1	1878.4	1929.4	2112.4
32.5°	2615.7	2608.7	2502.7	2340.9	2182.3	2158.7	2071.5	2040.1	2080.2	2251.4
35°	2868.6	2862.3	2774.4	2607.9	2413.9	2384.9	2296.1	2260.8	2281.2	2429.6
37.5°	3097.1	3094.0	3018.6	2887.4	2687.2	2651.9	2552.1	2540.3	2536.4	2664.4
40°	3309.1	3301.3	3222.7	3153.6	3005.2	2973.0	2885.1	2874.9	2845.0	2953.4
42.5°	3543.9	3523.5	3409.6	3377.4	3337.4	3310.7	3258.1	3259.7	3193.7	3279.3
45°	3735.5	3723.7	3606.7	3587.9	3631.1	3620.1	3665.6	3677.4	3549.4	3620.9
47.5°	3941.3	3930.3	3831.3	3818.0	3935.0	3938.1	4099.1	4103.0	3896.5	3975.8
50°	4194.9	4179.2	4081.0	4097.5	4228.7	4240.5	4534.9	4508.2	4216.1	4336.3
52.5°	4362.2	4371.6	4350.4	4377.1	4556.1	4567.1	4963.7	4895.4	4532.6	4692.0
55°	4485.5	4504.3	4570.3	4631.5	4901.6	4912.6	5368.1	5263.7	4794.9	5021.8
57.5°	4644.1	4617.4	4740.7	4860.0	5229.9	5258.9	5761.5	5618.6	5027.3	5306.1
60°	4871.8	4853.0	4948.8	5125.4	5597.4	5643.7	6177.7	5938.2	5197.7	5531.4
62.5°	5333.5	5286.4	5301.4	5457.6	6060.7	6122.0	6647.3	6217.0	5282.5	5619.4
65°	6023.8	5942.9	5867.5	5975.9	6713.3	6773.7	7177.4	6436.1	5251.1	5449.0
67.5°	6893.1	6813.0	6720.3	6822.4	7674.4	7722.3	7831.5	6559.4	5003.7	4792.5
70°	7610.0	7580.2	7690.9	8111.0	9209.6	9211.2	8670.2	6457.3	4326.0	3397.9
72.5°	7515.0	7497.0	8080.4	9379.3	11144.5	11102.9	9464.1	5684.6	2914.1	1532.8
75°	6165.1	6282.2	7186.0	9356.5	11839.5	11834.0	8978.0	3613.8	1205.4	635.3
77.5°	3306.0	3491.3	4665.3	6908.0	9242.6	9381.6	6312.0	1264.3	517.5	406.8
80°	1078.2	1239.9	1859.5	3517.2	6005.7	5979.8	2705.3	496.3	354.2	288.2
82.5°	457.8	476.7	830.8	1660.8	3082.2	3034.3	861.4	285.1	248.9	197.1
85°	179.0	200.2	366.7	768.0	1335.0	1305.9	311.0	141.3	159.4	128.8
87.5°	58.9	71.5	131.1	263.1	415.4	400.5	76.2	48.7	69.1	58.9
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°
1935.7	0°	1935.7	1935.7	1935.7	1935.7	1935.7	1935.7	1935.7	1935.7	1935.7	1935.7
1941.2	2.5°	1952.2	1964.7	1979.7	2001.7	2020.5	2036.2	2052.7	2062.9	2066.8	2078.6
1944.3	5°	1966.3	1993.8	2030.7	2066.8	2102.2	2123.4	2142.2	2151.6	2160.3	2166.6
1953.0	7.5°	1989.9	2025.2	2083.3	2130.4	2160.3	2177.6	2190.1	2187.0	2190.1	2191.7
1962.4	10°	2010.3	2059.8	2128.9	2173.6	2196.4	2197.2	2194.0	2183.0	2177.6	2178.3
1976.5	12.5°	2034.6	2089.6	2164.2	2201.9	2208.2	2190.9	2177.6	2158.7	2151.6	2148.5
1997.7	15°	2067.6	2130.4	2202.7	2216.8	2201.1	2179.1	2156.3	2125.7	2110.0	2097.5
2033.8	17.5°	2107.7	2176.8	2232.5	2222.3	2188.5	2152.4	2115.5	2069.2	2037.0	2023.6
2083.3	20°	2163.4	2225.5	2255.3	2210.5	2159.5	2104.5	2041.7	1985.2	1955.3	1942.0
2146.1	22.5°	2230.9	2290.6	2277.3	2190.1	2117.9	2029.9	1951.4	1909.8	1894.9	1885.4
2227.0	25°	2311.8	2362.9	2293.0	2160.3	2049.6	1931.0	1870.5	1857.2	1850.1	1843.0
2326.0	27.5°	2417.1	2444.5	2304.8	2116.3	1942.8	1825.8	1803.8	1806.1	1803.8	1792.0
2463.4	30°	2556.1	2550.6	2315.8	2044.8	1820.3	1730.7	1732.3	1742.5	1744.1	1736.2
2655.0	32.5°	2739.0	2683.3	2321.3	1952.2	1703.2	1647.5	1649.1	1660.1	1667.9	1654.6
2905.5	35°	2960.5	2838.0	2312.6	1836.0	1612.9	1568.2	1556.4	1559.5	1561.9	1549.3
3209.4	37.5°	3218.8	3011.5	2274.1	1707.2	1538.3	1490.4	1465.3	1444.1	1431.5	1419.8
3553.3	40°	3502.3	3200.8	2203.5	1581.5	1455.1	1408.0	1370.3	1330.2	1287.8	1272.1
3917.7	42.5°	3799.1	3395.5	2117.9	1461.4	1359.3	1320.8	1280.8	1222.7	1159.1	1126.9
4296.2	45°	4107.0	3595.0	2033.8	1342.8	1261.1	1244.7	1198.3	1128.4	1059.3	1018.5
4675.5	47.5°	4408.5	3783.4	1910.6	1223.4	1169.3	1187.3	1151.2	1086.8	1009.9	945.5
5051.6	50°	4696.7	3960.1	1708.7	1102.5	1094.7	1170.1	1135.5	1042.8	954.9	872.4
5420.7	52.5°	4982.5	4103.0	1450.4	992.6	1054.6	1165.3	1115.1	1013.0	905.4	819.0
5767.8	55°	5225.2	4176.8	1201.5	898.3	996.5	1125.3	1090.7	977.7	835.5	743.6
6005.7	57.5°	5363.4	4117.2	994.2	805.7	916.4	1059.3	1049.1	902.3	752.3	681.6
6052.1	60°	5303.7	3875.3	824.5	724.8	840.2	987.9	976.9	827.7	688.7	621.9
5803.9	62.5°	4974.7	3414.3	690.3	654.1	771.1	914.8	904.6	770.3	640.0	575.6
5145.1	65°	4311.9	2777.5	585.8	595.2	701.2	826.9	841.8	722.4	601.5	538.7
3980.5	67.5°	3288.7	2011.9	504.1	544.2	632.9	740.5	783.7	687.9	569.3	509.6
2303.2	70°	1874.4	1142.6	435.0	494.7	572.5	660.4	738.9	660.4	534.8	485.3
863.0	72.5°	710.7	524.6	376.1	445.2	514.4	592.9	689.5	617.2	494.7	457.8
446.0	75°	379.3	319.6	316.5	387.1	447.6	526.9	627.4	574.8	464.9	483.7
308.6	77.5°	258.4	226.2	264.6	331.4	374.6	453.9	561.5	510.4	402.8	401.3
213.6	80°	179.0	160.2	215.2	267.0	289.8	381.6	490.0	438.2	328.2	306.3
131.9	82.5°	107.6	104.4	161.0	199.5	205.0	294.5	406.0	367.5	268.6	234.0
78.5	85°	58.9	62.0	102.9	117.0	119.4	205.7	318.0	284.3	206.5	173.5
28.3	87.5°	16.5	21.2	37.7	46.3	57.3	106.8	189.2	168.8	103.7	72.2
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°
1935.7
2077.8
2168.1
2194.0
2179.9
2146.9
2101.4
2024.4
1940.4
1887.0
1843.0
1794.3
1740.2
1660.8
1558.0
1427.6
1279.2
1130.8
1015.4
938.4
865.4
809.6
735.8
672.2
612.5
565.4
528.5
500.2
479.0
451.5
499.4
369.9
292.9
235.6
175.1
72.2
0.0

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