

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: P852257

Luminaire Tested: **GLAN-SB2C-730-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852257  
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-730-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14299 lumens  
Efficiency: N/A  
Efficacy: 141.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

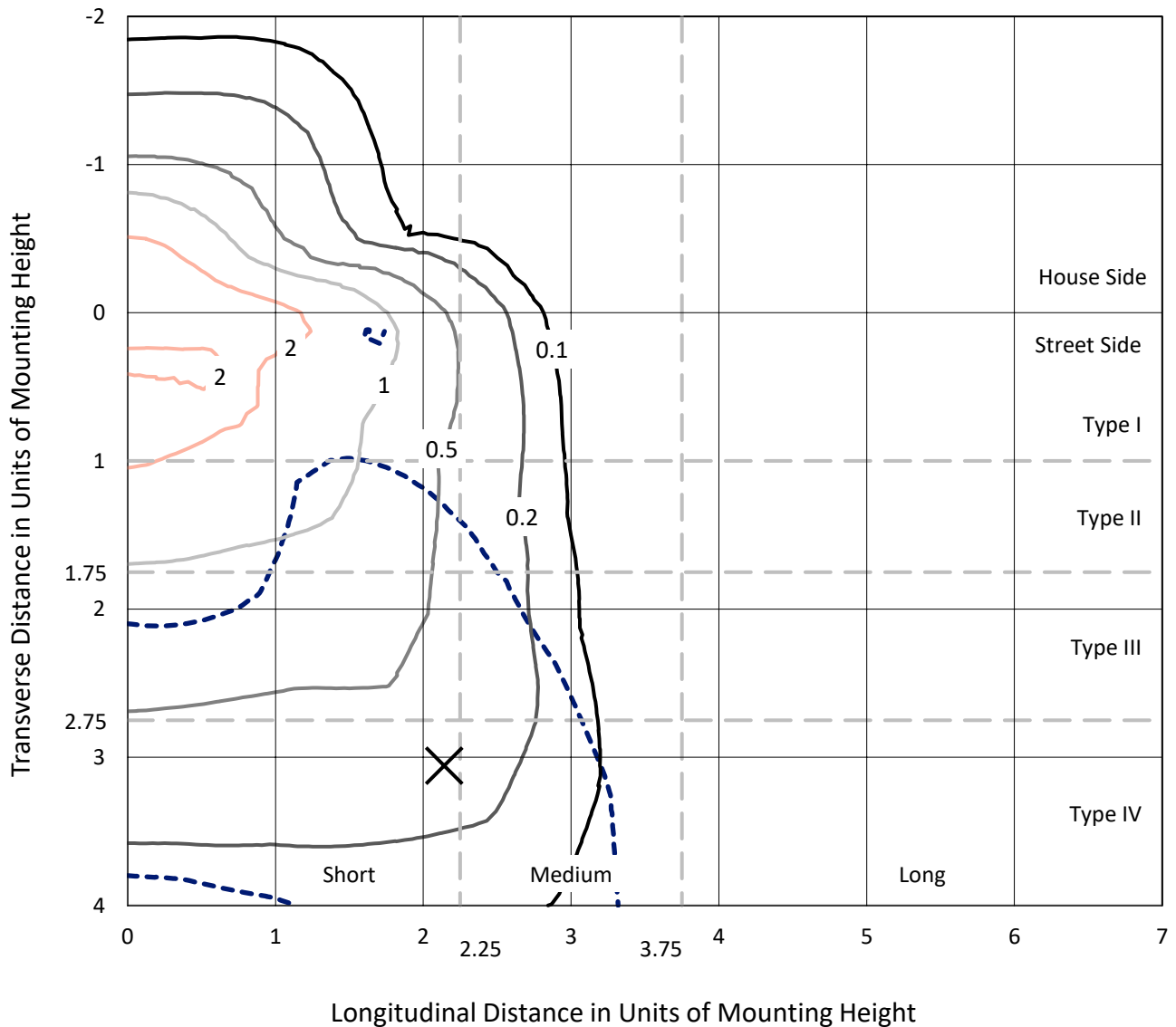
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

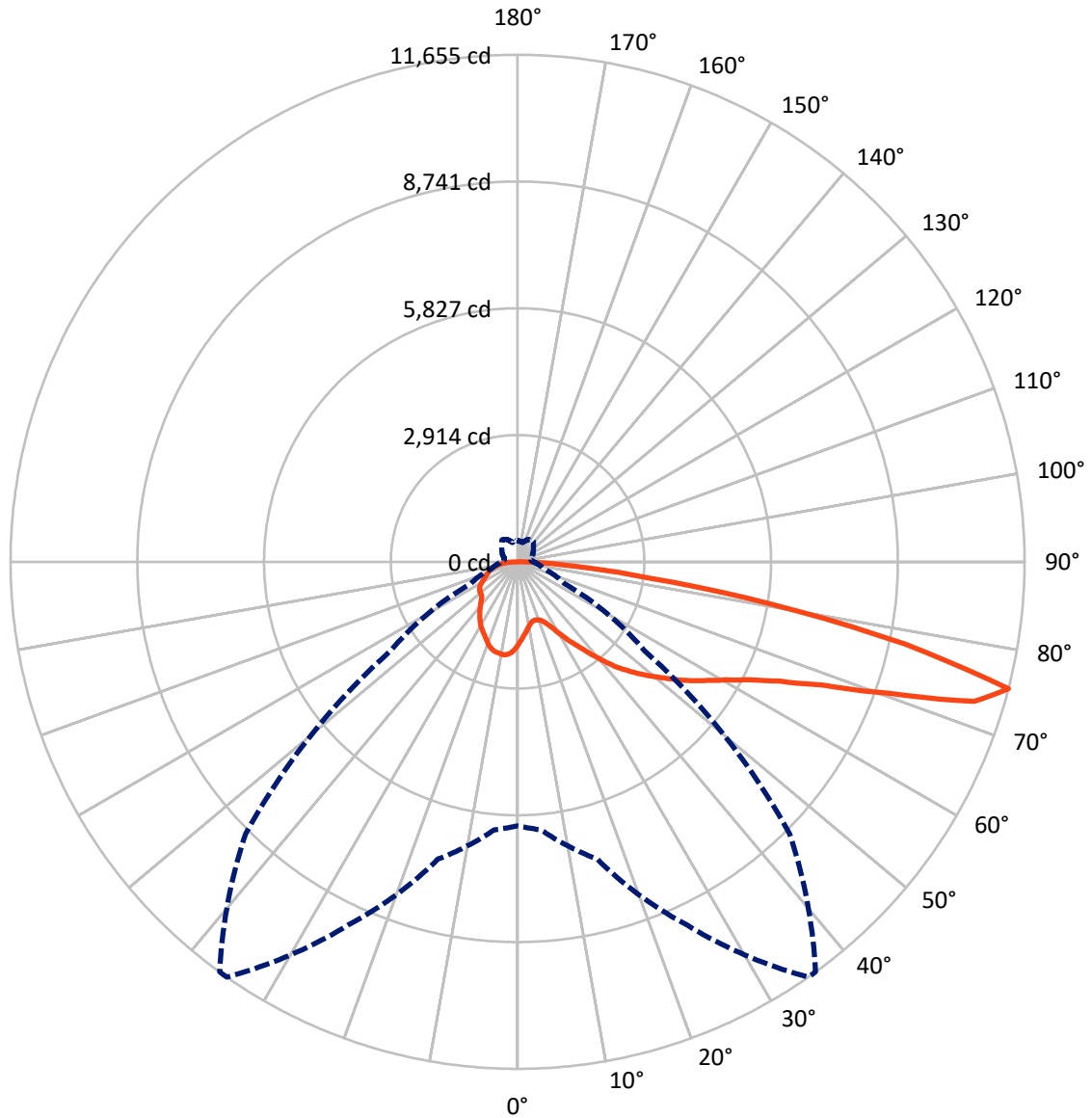
× Max cd  
 - - - 1/2 Max cd



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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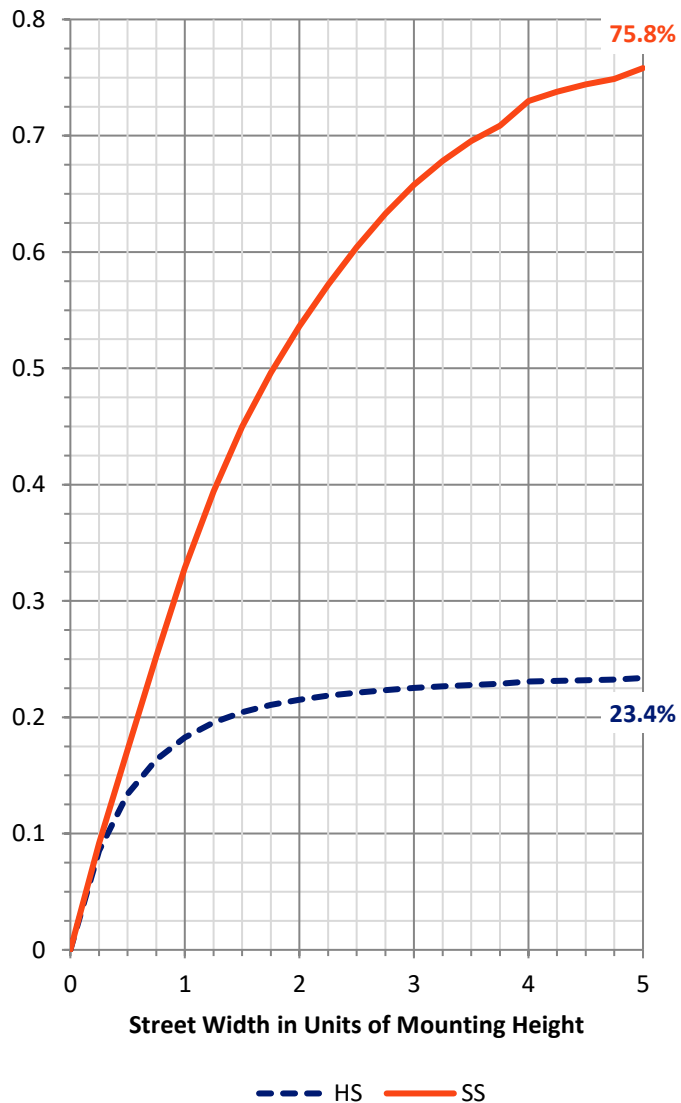
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3402.8	0.0	3402.8
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	10896.2	0.0	10896.2
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	14299.0	0.0	14299.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	180.4	1.3
10°-20°	520.4	3.6
20°-30°	873.8	6.1
30°-40°	1358.1	9.5
40°-50°	2015.7	14.1
50°-60°	2782.8	19.5
60°-70°	3376.2	23.6
70°-80°	2790.2	19.5
80°-90°	401.3	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°	14299.0	100.0
0°-180°	14299.0	100.0

**Coefficient of Utilization**



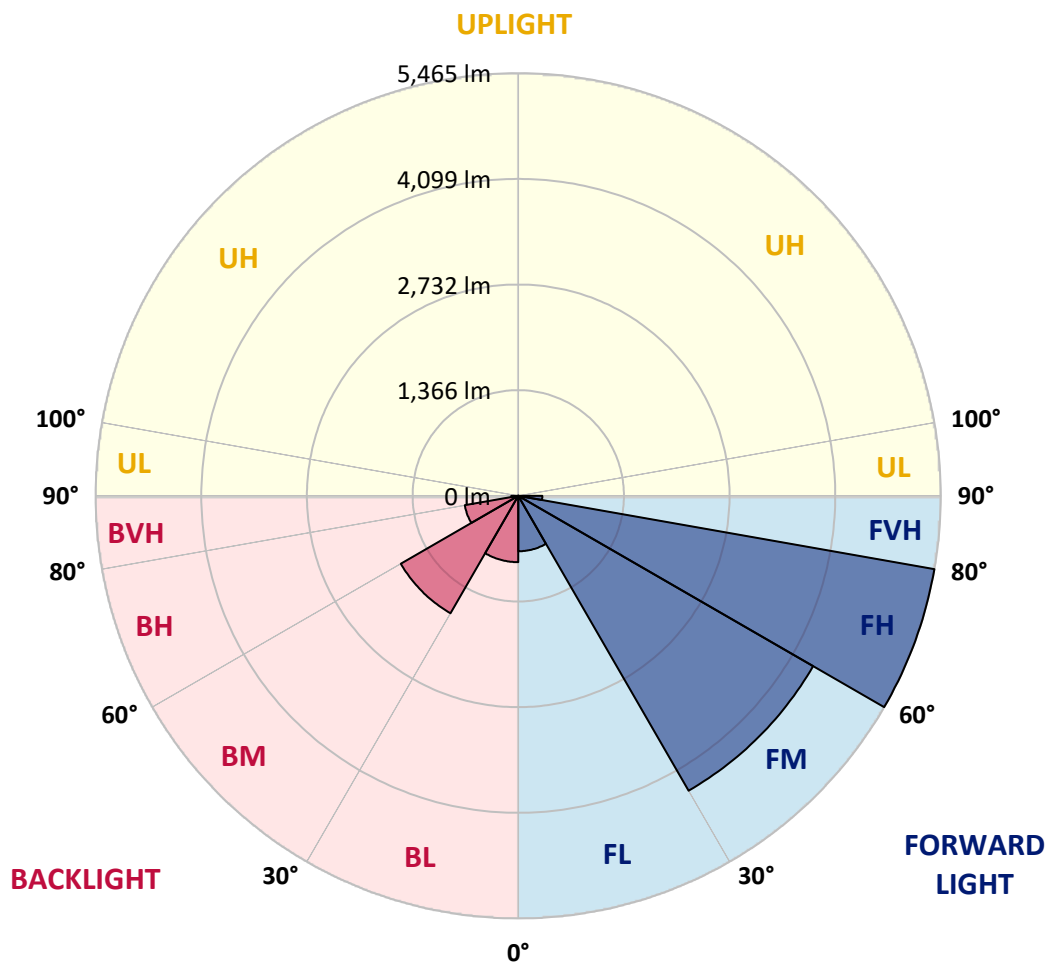
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	717.1	5.0			
FM	(30°-60°)	4403.3	30.8			
FH	(60°-80°)	5464.9	38.2			G3/7500
FVH	(80°-90°)	310.9	2.2			G3/500
BL	(0°-30°)	857.6	6.0	B2/1000		
BM	(30°-60°)	1753.3	12.3	B2/2500		
BH	(60°-80°)	701.6	4.9	B2/1000		G2/1000
BVH	(80°-90°)	90.4	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°	1905.4	1905.4	1905.4	1905.4	1905.4	1905.4	1905.4	1905.4	1905.4	1905.4
2.5°	1757.0	1767.8	1772.5	1770.2	1781.8	1780.2	1796.4	1816.5	1844.4	1871.4
5°	1621.7	1633.3	1643.4	1652.7	1675.1	1682.0	1707.6	1746.2	1797.2	1849.0
7.5°	1495.7	1505.8	1521.3	1538.3	1576.1	1583.1	1625.6	1685.9	1757.0	1832.8
10°	1392.9	1403.0	1419.2	1438.5	1485.7	1494.2	1548.3	1628.7	1721.5	1817.3
12.5°	1348.9	1352.0	1361.2	1380.6	1421.5	1427.0	1486.5	1578.5	1686.7	1805.7
15°	1346.6	1352.7	1353.5	1363.6	1397.6	1399.9	1454.8	1546.0	1665.0	1803.4
17.5°	1369.8	1374.4	1367.4	1373.6	1402.2	1406.1	1449.4	1530.5	1658.1	1813.5
20°	1431.6	1435.5	1414.6	1406.1	1427.0	1430.0	1472.6	1540.6	1665.0	1834.3
22.5°	1563.0	1565.3	1514.3	1479.5	1481.1	1482.6	1519.7	1581.6	1692.1	1872.2
25°	1767.8	1766.3	1685.1	1617.9	1579.2	1570.7	1595.5	1648.0	1737.7	1922.4
27.5°	2007.5	1995.9	1914.7	1814.2	1730.0	1717.6	1712.2	1734.6	1802.6	1988.9
30°	2278.0	2267.2	2179.9	2048.4	1931.7	1911.6	1860.6	1849.0	1899.3	2079.4
32.5°	2574.9	2567.9	2463.5	2304.3	2148.2	2125.0	2039.2	2008.2	2047.7	2216.2
35°	2823.8	2817.6	2731.0	2567.1	2376.2	2347.6	2260.2	2225.5	2245.6	2391.7
37.5°	3048.7	3045.6	2971.4	2842.3	2645.2	2610.4	2512.2	2500.6	2496.8	2622.8
40°	3257.4	3249.7	3172.4	3104.4	2958.3	2926.6	2840.0	2829.9	2800.6	2907.2
42.5°	3488.5	3468.4	3356.4	3324.7	3285.2	3259.0	3207.2	3208.7	3143.8	3228.0
45°	3677.1	3665.6	3550.4	3531.8	3574.3	3563.5	3608.4	3619.9	3493.9	3564.3
47.5°	3879.7	3868.9	3771.5	3758.3	3873.5	3876.6	4035.0	4038.9	3835.6	3913.7
50°	4129.4	4113.9	4017.3	4033.5	4162.6	4174.2	4464.1	4437.8	4150.2	4268.5
52.5°	4294.0	4303.3	4282.4	4308.7	4484.9	4495.8	4886.1	4818.9	4461.7	4618.7
55°	4415.4	4433.9	4498.8	4559.1	4825.0	4835.9	5284.2	5181.4	4719.9	4943.3
57.5°	4571.5	4545.2	4666.6	4784.1	5148.2	5176.8	5671.5	5530.8	4948.7	5223.1
60°	4795.7	4777.1	4871.4	5045.4	5509.9	5555.5	6081.2	5845.4	5116.5	5445.0
62.5°	5250.2	5203.8	5218.5	5372.3	5966.0	6026.3	6543.4	6119.8	5200.0	5531.6
65°	5929.7	5850.0	5775.8	5882.5	6608.4	6667.9	7065.2	6335.5	5169.0	5363.8
67.5°	6785.4	6706.5	6615.3	6715.8	7554.5	7601.7	7709.1	6456.8	4925.5	4717.6
70°	7491.1	7461.7	7570.7	7984.3	9065.7	9067.3	8534.7	6356.4	4258.4	3344.8
72.5°	7397.6	7379.8	7954.1	9232.7	10970.4	10929.4	9316.2	5595.7	2868.6	1508.9
75°	6068.8	6184.0	7073.7	9210.3	11654.5	11649.1	8837.7	3557.3	1186.6	625.4
77.5°	3254.3	3436.7	4592.4	6800.1	9098.2	9235.0	6213.4	1244.5	509.4	400.4
80°	1061.3	1220.6	1830.5	3462.3	5911.9	5886.4	2663.0	488.5	348.6	283.7
82.5°	450.7	469.2	817.8	1634.9	3034.0	2986.9	848.0	280.6	245.0	194.0
85°	176.2	197.1	361.0	756.0	1314.1	1285.5	306.1	139.1	156.9	126.8
87.5°	58.0	70.3	129.1	259.0	408.9	394.2	75.0	47.9	68.0	58.0
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°
1905.4	0°	1905.4	1905.4	1905.4	1905.4	1905.4	1905.4	1905.4	1905.4	1905.4	1905.4
1910.8	2.5°	1921.7	1934.0	1948.7	1970.4	1988.9	2004.4	2020.6	2030.7	2034.5	2046.1
1913.9	5°	1935.6	1962.6	1999.0	2034.5	2069.3	2090.2	2108.7	2118.0	2126.5	2132.7
1922.4	7.5°	1958.8	1993.6	2050.8	2097.1	2126.5	2143.5	2155.9	2152.8	2155.9	2157.4
1931.7	10°	1978.9	2027.6	2095.6	2139.7	2162.1	2162.8	2159.8	2148.9	2143.5	2144.3
1945.6	12.5°	2002.8	2056.9	2130.4	2167.5	2173.7	2156.7	2143.5	2125.0	2118.0	2114.9
1966.5	15°	2035.3	2097.1	2168.3	2182.2	2166.7	2145.1	2122.7	2092.5	2077.0	2064.7
2002.1	17.5°	2074.7	2142.7	2197.6	2187.6	2154.3	2118.8	2082.5	2036.8	2005.2	1992.0
2050.8	20°	2129.6	2190.7	2220.0	2176.0	2125.7	2071.6	2009.8	1954.1	1924.8	1911.6
2112.6	22.5°	2196.1	2254.8	2241.7	2155.9	2084.8	1998.2	1920.9	1879.9	1865.2	1856.0
2192.2	25°	2275.7	2325.9	2257.2	2126.5	2017.5	1900.8	1841.3	1828.1	1821.2	1814.2
2289.6	27.5°	2379.3	2406.3	2268.7	2083.2	1912.4	1797.2	1775.6	1777.9	1775.6	1764.0
2424.9	30°	2516.1	2510.7	2279.6	2012.9	1791.8	1703.7	1705.2	1715.3	1716.8	1709.1
2613.5	32.5°	2696.2	2641.3	2285.0	1921.7	1676.6	1621.7	1623.3	1634.1	1641.8	1628.7
2860.1	35°	2914.2	2793.6	2276.5	1807.3	1587.7	1543.7	1532.1	1535.2	1537.5	1525.1
3159.2	37.5°	3168.5	2964.4	2238.6	1680.5	1514.3	1467.1	1442.4	1421.5	1409.2	1397.6
3497.8	40°	3447.6	3150.7	2169.0	1556.8	1432.4	1386.0	1348.9	1309.5	1267.7	1252.3
3856.5	42.5°	3739.8	3342.4	2084.8	1438.5	1338.1	1300.2	1260.8	1203.6	1140.9	1109.3
4229.1	45°	4042.8	3538.8	2002.1	1321.8	1241.4	1225.2	1179.6	1110.8	1042.8	1002.6
4602.4	47.5°	4339.6	3724.3	1880.7	1204.3	1151.0	1168.8	1133.2	1069.8	994.1	930.7
4972.7	50°	4623.3	3898.2	1682.0	1085.3	1077.6	1151.8	1117.8	1026.5	940.0	858.8
5336.0	52.5°	4904.7	4038.9	1427.7	977.1	1038.1	1147.1	1097.7	997.2	891.3	806.2
5677.7	55°	5143.5	4111.6	1182.7	884.3	980.9	1107.7	1073.7	962.4	822.5	732.0
5911.9	57.5°	5279.6	4052.8	978.6	793.1	902.1	1042.8	1032.7	888.2	740.5	671.0
5957.5	60°	5220.8	3814.7	811.6	713.5	827.1	972.4	961.6	814.7	677.9	612.2
5713.2	62.5°	4896.9	3361.0	679.5	643.9	759.1	900.5	890.5	758.3	630.0	566.6
5064.7	65°	4244.5	2734.1	576.7	585.9	690.3	814.0	828.7	711.2	592.1	530.3
3918.3	67.5°	3237.3	1980.4	496.3	535.7	623.0	728.9	771.5	677.1	560.4	501.7
2267.2	70°	1845.1	1124.7	428.2	487.0	563.5	650.1	727.4	650.1	526.4	477.7
849.5	72.5°	699.6	516.4	370.3	438.3	506.3	583.6	678.7	607.6	487.0	450.7
439.1	75°	373.4	314.6	311.5	381.1	440.6	518.7	617.6	565.8	457.6	476.2
303.8	77.5°	254.3	222.6	260.5	326.2	368.7	446.8	552.7	502.4	396.5	395.0
210.3	80°	176.2	157.7	211.8	262.8	285.2	375.7	482.4	431.3	323.1	301.5
129.9	82.5°	105.9	102.8	158.5	196.3	201.8	289.9	399.6	361.8	264.4	230.4
77.3	85°	58.0	61.1	101.3	115.2	117.5	202.5	313.1	279.8	203.3	170.8
27.8	87.5°	16.2	20.9	37.1	45.6	56.4	105.1	186.3	166.2	102.0	71.1
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°
1905.4
2045.4
2134.2
2159.8
2145.8
2113.4
2068.5
1992.8
1910.1
1857.5
1814.2
1766.3
1713.0
1634.9
1533.6
1405.3
1259.2
1113.1
999.5
923.7
851.8
797.0
724.3
661.7
602.9
556.6
520.2
492.4
471.5
444.5
491.6
364.1
288.3
231.9
172.4
71.1
0.0

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