

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: P846736

Luminaire Tested: **GLAN-SB2C-730-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846736  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2C-730-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14335 lumens  
Efficiency: N/A  
Efficacy: 142.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

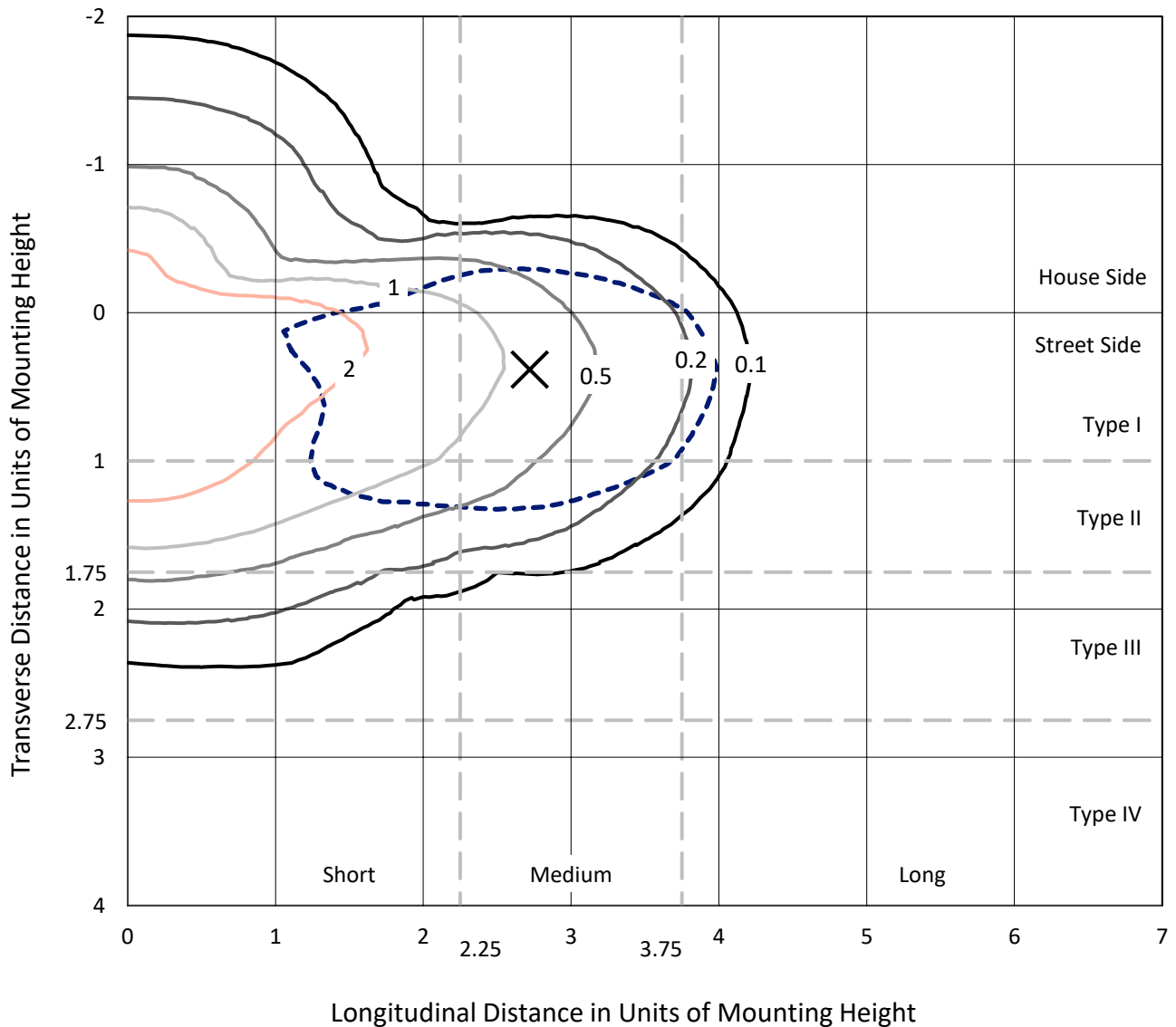
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

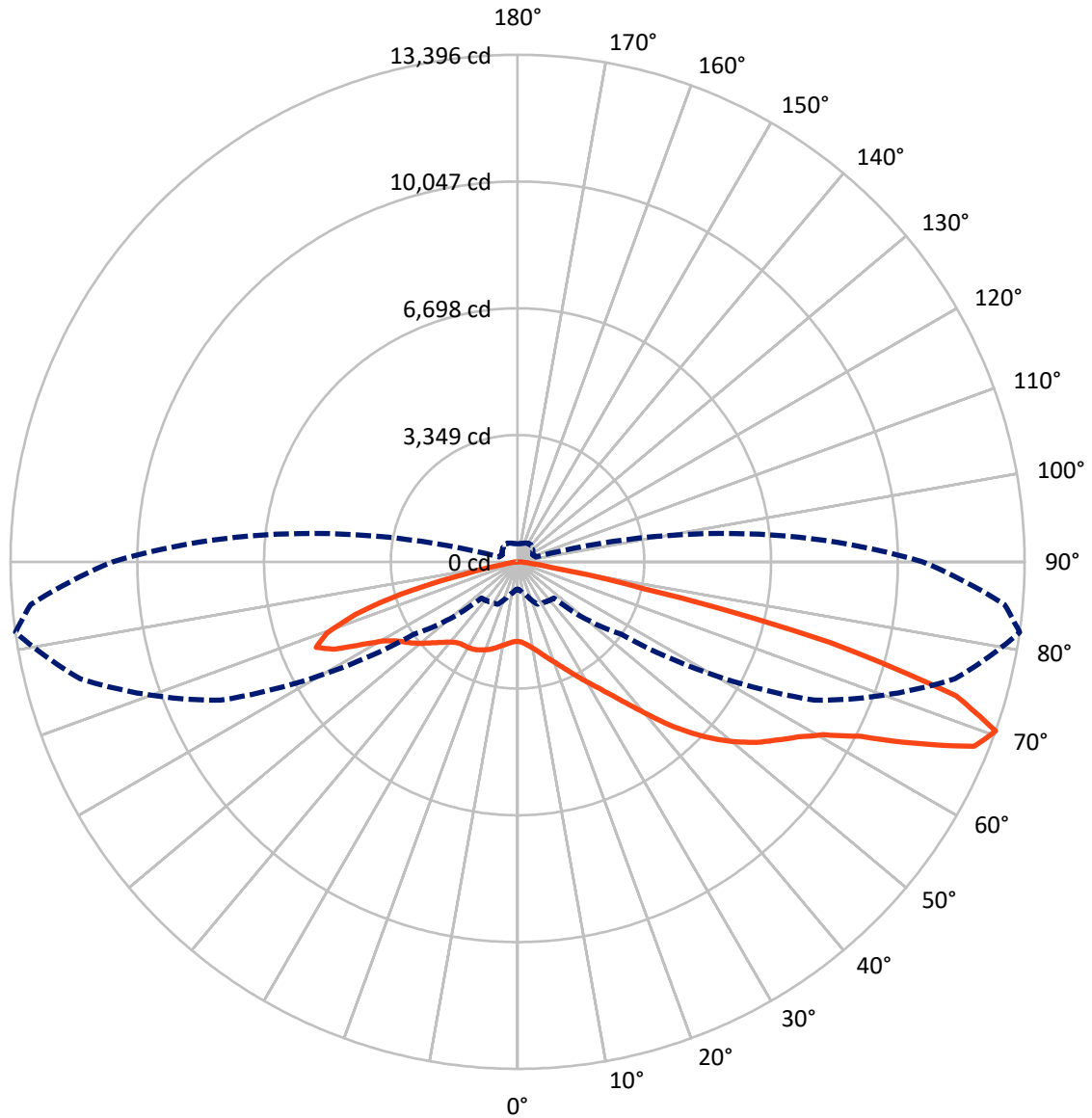
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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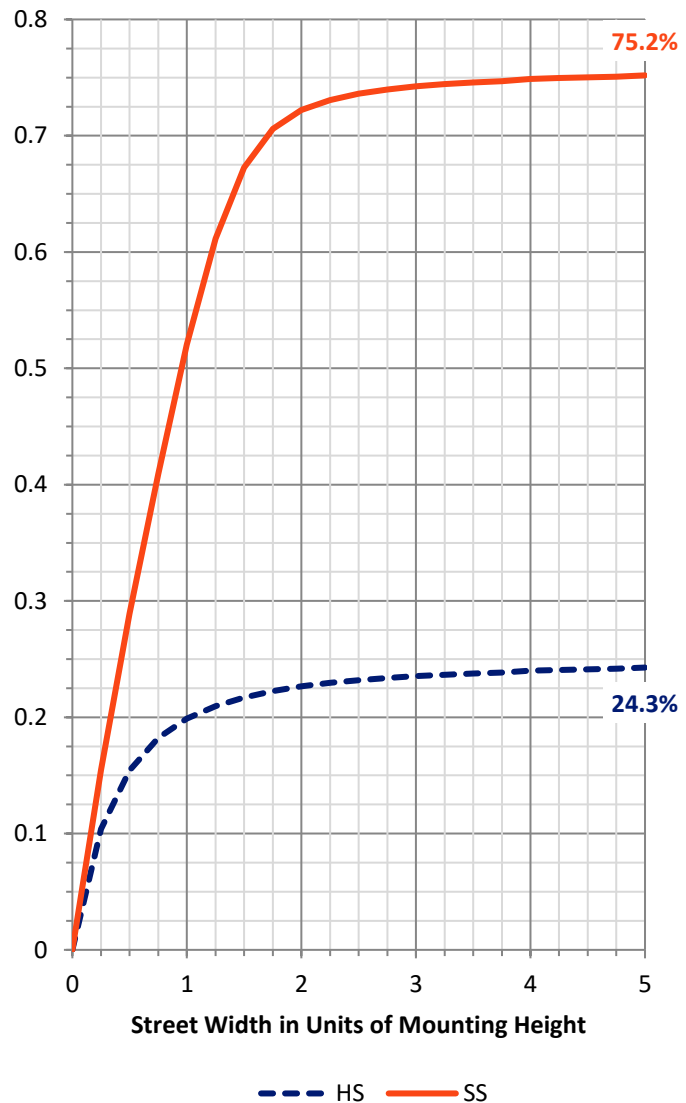
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3533.9	0.0	3533.9
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	10801.1	0.0	10801.1
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	14335.0	0.0	14335.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	198.4	1.4
10°-20°	570.1	4.0
20°-30°	953.8	6.7
30°-40°	1490.0	10.4
40°-50°	2373.0	16.6
50°-60°	3302.3	23.0
60°-70°	3454.4	24.1
70°-80°	1805.5	12.6
80°-90°	187.5	1.3
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°	14335.0	100.0
0°-180°	14335.0	100.0

**Coefficient of Utilization**

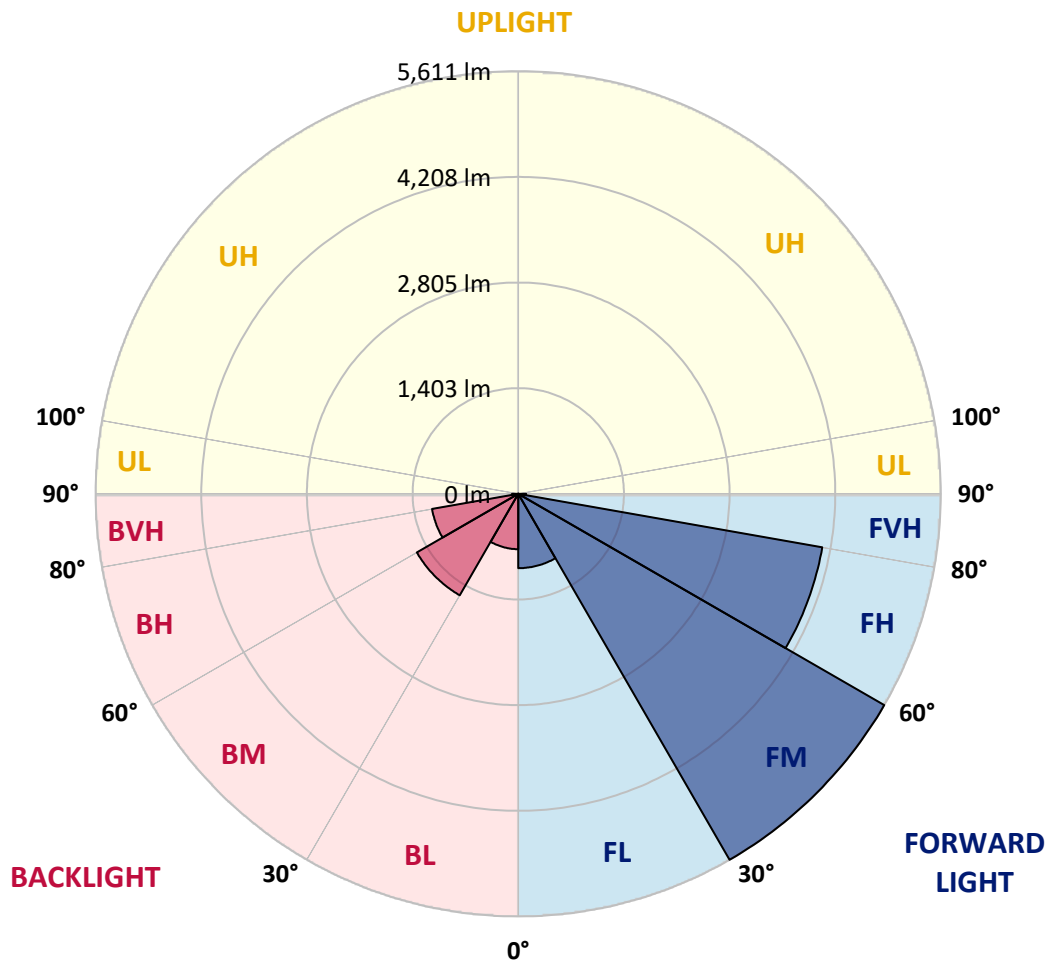


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	987.1	6.9			
FM (30°-60°)	5610.6	39.1			
FH (60°-80°)	4098.4	28.6			G2/5000
FVH (80°-90°)	105.0	0.7			G2/225
BL (0°-30°)	735.2	5.1	B2/1000		
BM (30°-60°)	1554.8	10.8	B2/2500		
BH (60°-80°)	1161.4	8.1	B3/2500		G3/2500
BVH (80°-90°)	82.5	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2101.7	2101.7	2101.7	2101.7	2101.7	2101.7	2101.7	2101.7	2101.7	2101.7
2.5°	2151.9	2164.1	2160.3	2156.5	2156.5	2151.1	2150.4	2142.8	2136.7	2126.8
5°	2179.3	2192.2	2190.7	2193.7	2203.6	2205.9	2208.2	2203.6	2191.4	2179.3
7.5°	2154.9	2169.4	2174.0	2192.2	2222.6	2250.0	2270.6	2278.9	2267.5	2250.0
10°	2072.8	2088.8	2104.7	2148.1	2202.1	2266.8	2321.5	2354.2	2351.9	2335.2
12.5°	1906.2	1922.9	1957.2	2041.6	2140.5	2254.6	2356.5	2425.0	2448.5	2436.4
15°	1773.1	1787.5	1813.4	1900.1	2028.7	2202.1	2369.4	2502.6	2562.6	2555.8
17.5°	1769.3	1775.4	1791.3	1832.4	1931.3	2119.9	2355.7	2578.6	2693.5	2692.7
20°	1836.2	1838.5	1847.6	1856.0	1912.3	2057.6	2320.8	2641.8	2840.3	2840.3
22.5°	1929.0	1927.5	1936.6	1929.0	1956.4	2052.2	2298.7	2697.3	3003.8	3016.0
25°	2068.2	2060.6	2058.3	2040.8	2046.2	2101.7	2323.0	2760.4	3197.8	3222.9
27.5°	2253.8	2241.7	2233.3	2193.0	2179.3	2203.6	2397.6	2836.5	3413.8	3457.2
30°	2495.7	2473.7	2461.5	2391.5	2342.1	2345.9	2510.2	2937.7	3639.7	3709.7
32.5°	2825.8	2791.6	2758.9	2644.0	2553.5	2523.9	2655.4	3077.6	3884.7	3996.5
35°	3195.5	3168.1	3133.1	2955.9	2816.7	2748.2	2851.7	3273.1	4171.4	4348.7
37.5°	3551.5	3527.9	3544.7	3305.8	3126.3	3026.6	3108.8	3535.5	4525.1	4786.8
40°	3919.7	3901.4	3903.7	3675.5	3466.3	3354.5	3420.7	3864.9	4930.6	5307.9
42.5°	4319.8	4306.1	4260.4	4058.1	3823.1	3718.8	3779.7	4245.2	5365.7	5901.2
45°	4767.8	4759.4	4716.8	4484.8	4215.6	4098.4	4180.6	4665.1	5803.0	6459.5
47.5°	5155.0	5161.8	5156.5	4961.0	4681.8	4509.9	4608.0	5103.2	6210.0	6984.3
50°	5341.3	5377.1	5429.6	5368.7	5195.3	5020.3	5039.3	5526.2	6597.9	7476.5
52.5°	5244.0	5311.7	5454.7	5552.0	5619.0	5582.4	5531.5	5946.0	6963.0	7920.7
55°	4881.1	4976.2	5213.5	5448.6	5790.1	6055.6	6122.5	6411.6	7319.0	8311.7
57.5°	4220.1	4374.5	4587.5	5062.9	5638.0	6284.5	6811.7	7057.4	7696.3	8729.3
60°	3086.7	3293.6	3558.3	4265.8	5105.5	6162.1	7398.1	8049.3	8232.6	9270.1
62.5°	1975.4	2103.2	2346.6	3013.0	3978.2	5534.5	7577.6	9289.1	9141.6	10157.0
65°	1352.4	1434.6	1657.5	2031.7	2571.8	4119.7	7096.9	10218.6	10585.3	11562.7
67.5°	982.8	1045.1	1235.3	1563.1	1675.7	2437.9	5507.1	10176.0	11988.7	13011.0
70°	716.5	760.7	920.4	1235.3	1289.3	1356.2	3336.2	8650.2	11958.3	13395.9
72.5°	530.9	561.4	668.6	958.4	1043.6	915.8	1651.4	6286.8	10275.7	12116.5
75°	384.1	407.0	486.1	733.3	835.2	697.5	823.8	3674.0	7167.7	8523.1
77.5°	293.6	311.1	362.8	537.0	668.6	523.3	511.2	1690.2	3398.6	3415.3
80°	235.8	247.2	275.4	378.0	512.7	391.7	333.2	682.3	1074.0	909.0
82.5°	173.4	192.4	232.8	265.5	366.6	270.0	203.1	344.6	408.5	351.4
85°	98.9	111.8	140.7	190.2	234.3	165.1	116.4	152.9	190.2	155.9
87.5°	35.0	45.6	49.4	74.5	101.9	68.5	44.9	44.1	62.4	46.4
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°
2101.7	0°	2101.7	2101.7	2101.7	2101.7	2101.7	2101.7	2101.7	2101.7	2101.7	2101.7
2124.5	2.5°	2116.9	2113.1	2097.9	2077.3	2056.1	2035.5	2028.7	2014.2	2004.3	1999.0
2174.0	5°	2159.5	2147.3	2111.6	2065.9	2018.0	1966.3	1929.8	1896.3	1872.0	1849.2
2241.7	7.5°	2220.4	2199.1	2137.4	2057.6	1972.4	1886.4	1822.5	1773.8	1741.1	1719.8
2320.8	10°	2291.1	2258.4	2164.1	2044.6	1913.0	1789.8	1714.5	1672.7	1652.1	1640.7
2411.3	12.5°	2372.5	2326.1	2191.4	2015.0	1822.5	1681.8	1630.1	1617.9	1618.7	1619.4
2525.4	15°	2472.9	2408.2	2213.5	1950.3	1704.6	1598.9	1589.8	1609.5	1630.1	1640.0
2654.7	17.5°	2586.2	2494.9	2217.3	1843.8	1589.0	1545.7	1574.6	1617.2	1648.3	1662.0
2799.2	20°	2707.9	2583.2	2189.9	1693.2	1493.9	1502.3	1554.0	1608.8	1643.0	1660.5
2964.3	22.5°	2847.1	2677.5	2124.5	1535.0	1416.3	1455.1	1516.0	1569.2	1605.0	1622.5
3158.2	25°	3006.1	2783.2	2021.8	1401.9	1349.4	1401.9	1462.7	1506.9	1535.8	1551.7
3375.0	27.5°	3182.6	2893.5	1884.9	1296.2	1290.8	1347.1	1397.3	1431.6	1446.8	1458.9
3605.5	30°	3359.8	2993.9	1719.1	1216.3	1239.9	1293.1	1328.9	1344.1	1348.6	1350.9
3862.6	32.5°	3551.5	3080.7	1544.9	1150.1	1191.2	1240.6	1261.9	1268.8	1247.5	1233.0
4174.5	35°	3783.5	3173.5	1374.5	1097.6	1143.3	1185.9	1192.7	1186.6	1161.5	1131.9
4565.5	37.5°	4070.3	3289.1	1238.3	1060.4	1098.4	1126.5	1118.2	1116.6	1118.9	1083.9
5035.5	40°	4421.7	3439.7	1138.7	1031.4	1061.9	1068.0	1044.4	1057.3	1068.7	1015.5
5551.3	42.5°	4811.9	3621.5	1075.6	1011.7	1031.4	1017.0	980.5	994.9	993.4	923.4
6069.3	45°	5209.7	3819.2	1053.5	997.2	1003.3	974.4	934.1	937.9	905.9	842.8
6566.0	47.5°	5605.3	4031.5	1067.2	985.0	968.3	935.6	904.4	887.7	840.5	793.4
7042.1	50°	5993.2	4254.3	1117.4	960.7	920.4	901.4	878.6	848.9	798.7	758.4
7492.5	52.5°	6353.0	4478.7	1173.7	920.4	860.3	871.7	857.3	823.0	773.6	732.5
7918.4	55°	6693.8	4703.1	1195.7	864.9	804.0	845.8	837.5	774.3	715.0	681.5
8364.2	57.5°	7065.0	4973.2	1171.4	794.1	758.4	816.2	784.2	714.3	680.0	654.9
8944.5	60°	7579.2	5396.8	1118.9	706.6	715.0	772.1	717.3	688.4	651.1	623.0
9814.7	62.5°	8433.4	6187.2	1034.5	619.9	664.1	706.6	685.4	656.4	618.4	591.0
11302.6	65°	9696.1	7285.6	875.5	552.2	607.0	642.8	651.1	622.2	582.7	553.8
12606.3	67.5°	10761.0	7974.7	662.5	495.9	548.4	591.0	614.6	586.5	544.6	516.5
12911.4	70°	10702.4	7474.2	505.8	440.4	496.7	540.1	570.5	548.4	503.6	476.9
11727.8	72.5°	9505.9	6252.6	409.2	384.1	444.2	486.8	523.3	506.6	461.0	435.1
8591.6	75°	6983.6	4438.4	327.1	327.1	378.8	431.3	471.6	461.0	419.1	400.9
3607.0	77.5°	2943.7	1862.1	256.3	271.6	314.9	370.4	420.6	424.4	387.9	410.8
953.9	80°	782.7	513.4	195.5	213.7	247.2	305.8	365.9	364.4	324.8	303.5
354.5	82.5°	298.2	202.3	139.2	150.6	178.8	234.3	289.8	298.9	259.4	224.4
139.2	85°	114.9	86.7	86.0	90.5	104.2	155.2	219.1	226.7	195.5	165.8
38.8	87.5°	29.7	25.9	31.9	30.4	47.9	82.9	125.5	130.1	119.4	69.2
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°
2101.7
2005.1
1858.3
1724.4
1643.8
1621.0
1639.2
1665.1
1665.1
1627.0
1556.3
1463.5
1356.2
1237.6
1133.4
1086.2
1017.0
922.7
845.1
793.4
755.3
733.3
678.5
652.6
621.5
591.0
555.3
517.2
479.2
435.1
395.5
372.7
282.2
224.4
171.1
98.9
0.0

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