

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: P847906

Luminaire Tested: **GLAN-SB4B-722-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847906
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-SB4B-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17486 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

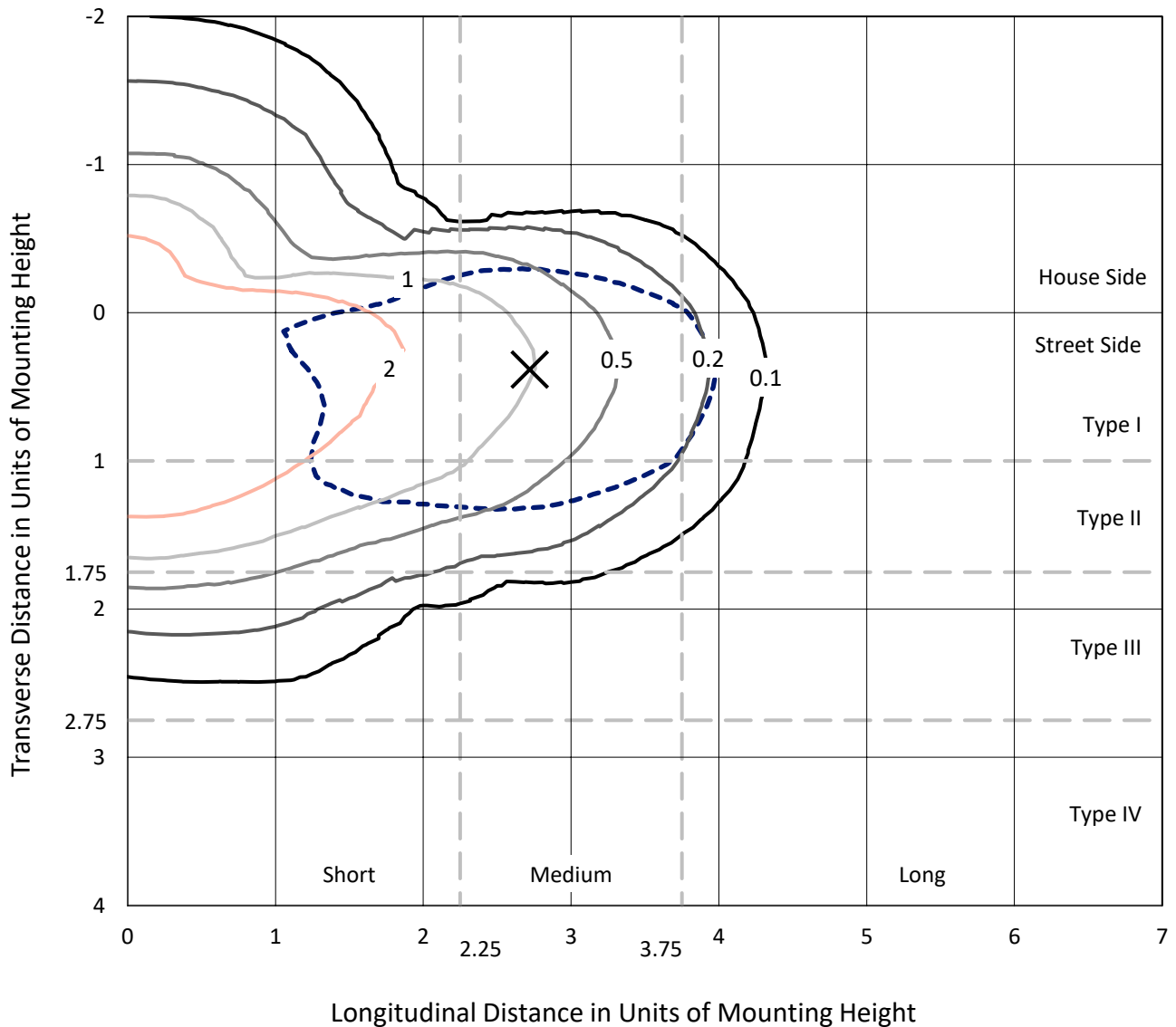
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

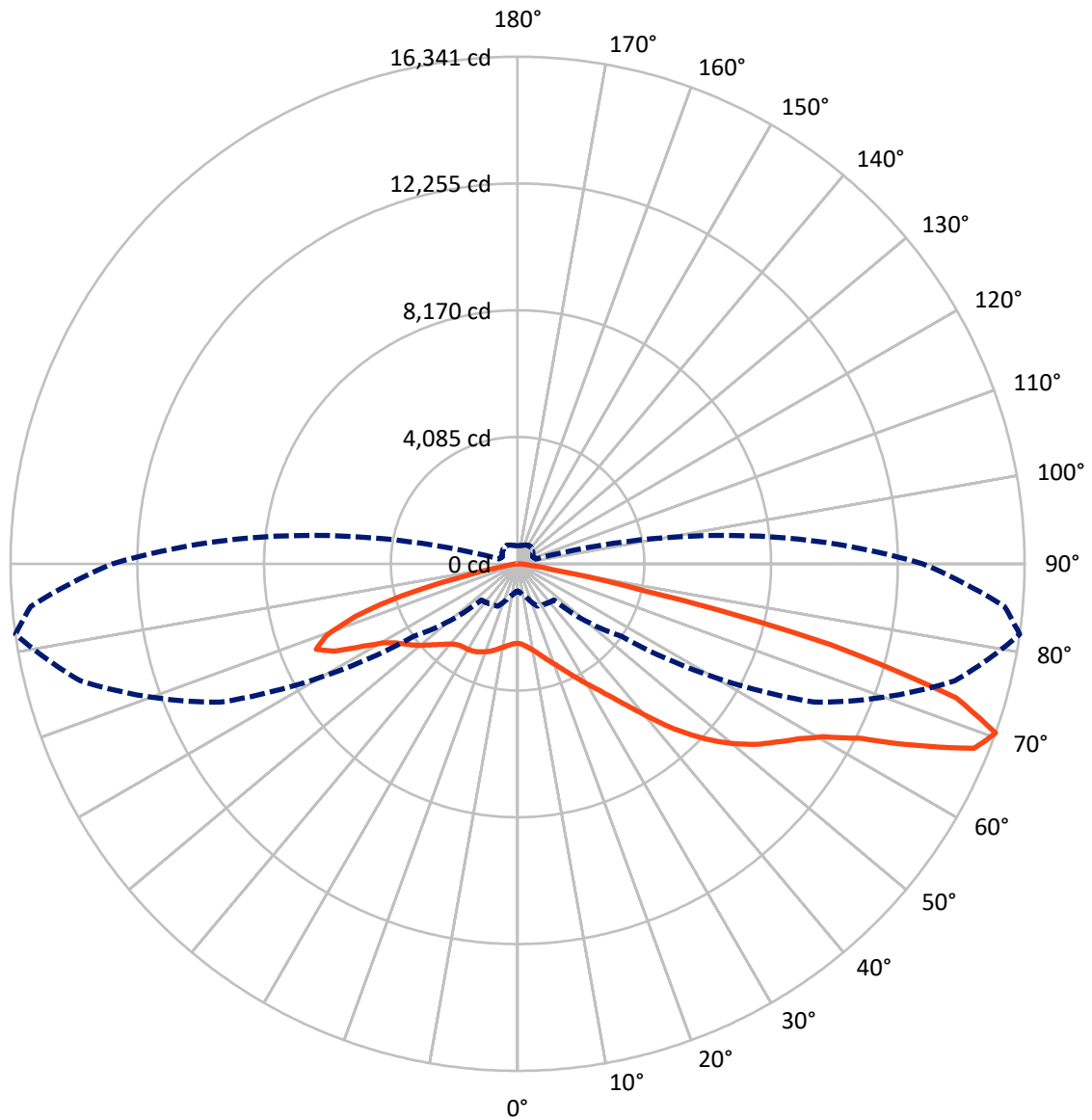
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 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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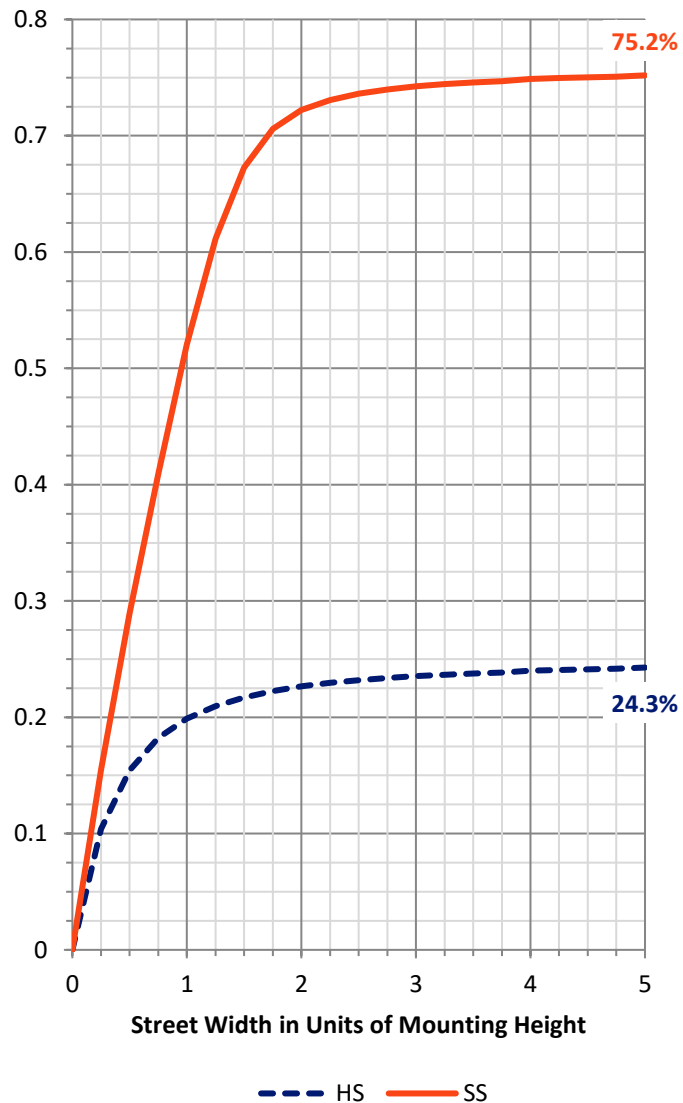
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4310.7	0.0	4310.7
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	13175.3	0.0	13175.3
	% Fixture	75.3	0.0	75.3
Total	Lumens	17486.0	0.0	17486.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.1	1.4
10°-20°	695.4	4.0
20°-30°	1163.4	6.7
30°-40°	1817.5	10.4
40°-50°	2894.6	16.6
50°-60°	4028.2	23.0
60°-70°	4213.7	24.1
70°-80°	2202.3	12.6
80°-90°	228.7	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°	17486.0	100.0
0°-180°	17486.0	100.0

Coefficient of Utilization

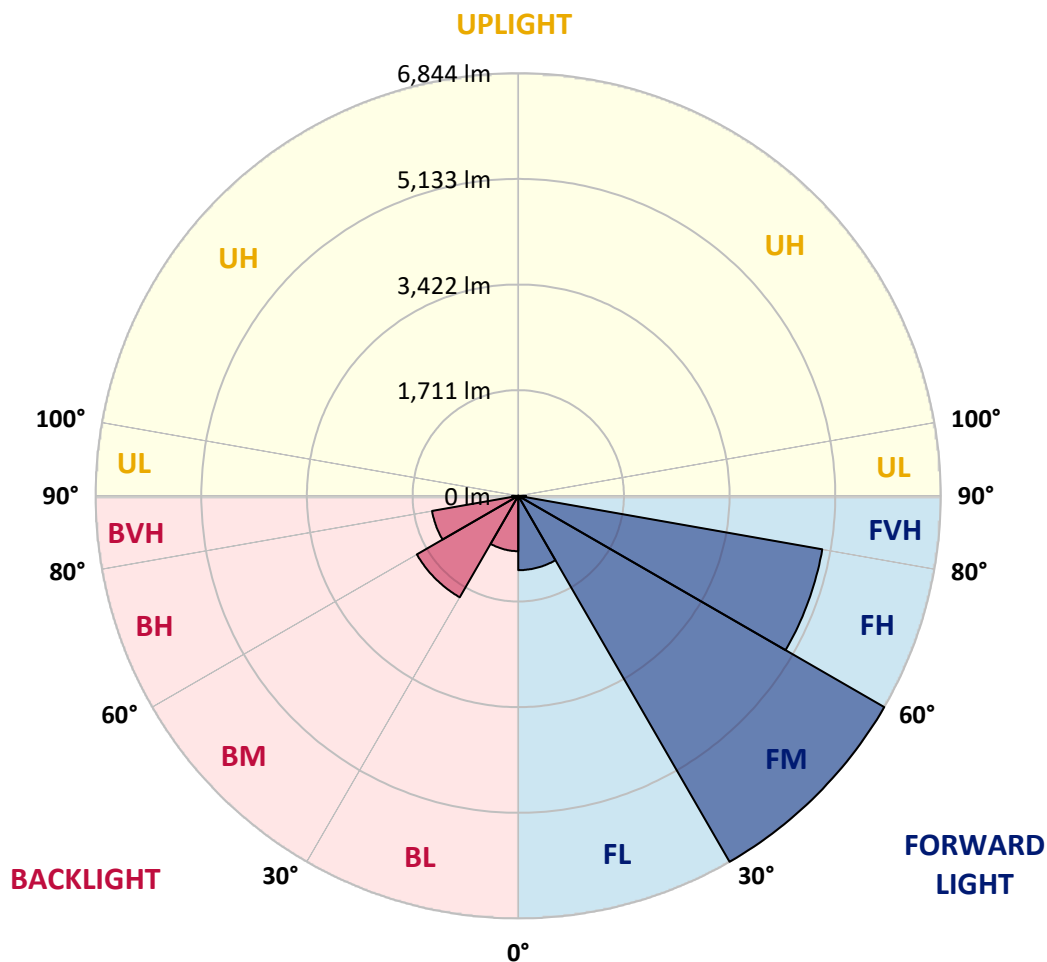


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1204.1	6.9			
FM (30°-60°)	6843.8	39.1			
FH (60°-80°)	4999.3	28.6			G2/5000
FVH (80°-90°)	128.0	0.7			G2/225
BL (0°-30°)	896.8	5.1	B2/1000		
BM (30°-60°)	1896.5	10.8	B2/2500		
BH (60°-80°)	1416.7	8.1	B3/2500		G3/2500
BVH (80°-90°)	100.7	0.6			G2/225
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°	2563.7	2563.7	2563.7	2563.7	2563.7	2563.7	2563.7	2563.7	2563.7	2563.7
2.5°	2624.9	2639.8	2635.1	2630.5	2630.5	2624.0	2623.0	2613.8	2606.3	2594.3
5°	2658.3	2674.1	2672.2	2675.9	2688.0	2690.8	2693.6	2688.0	2673.2	2658.3
7.5°	2628.6	2646.2	2651.8	2674.1	2711.2	2744.6	2769.7	2779.9	2765.9	2744.6
10°	2528.4	2547.9	2567.4	2620.3	2686.1	2765.0	2831.8	2871.7	2868.9	2848.5
12.5°	2325.2	2345.6	2387.4	2490.4	2611.0	2750.2	2874.5	2958.0	2986.8	2971.9
15°	2162.8	2180.5	2212.0	2317.8	2474.6	2686.1	2890.3	3052.6	3125.9	3117.6
17.5°	2158.2	2165.6	2185.1	2235.2	2355.8	2585.9	2873.6	3145.4	3285.5	3284.6
20°	2239.8	2242.6	2253.8	2264.0	2332.6	2509.9	2830.9	3222.4	3464.6	3464.6
22.5°	2353.0	2351.2	2362.3	2353.0	2386.4	2503.4	2804.0	3290.2	3664.1	3678.9
25°	2522.8	2513.6	2510.8	2489.4	2495.9	2563.7	2833.7	3367.2	3900.7	3931.3
27.5°	2749.2	2734.4	2724.2	2675.0	2658.3	2688.0	2924.6	3460.0	4164.2	4217.1
30°	3044.3	3017.4	3002.5	2917.2	2856.9	2861.5	3061.9	3583.4	4439.8	4525.2
32.5°	3447.0	3405.2	3365.3	3225.2	3114.8	3078.6	3239.1	3754.1	4738.6	4875.0
35°	3897.9	3864.5	3821.8	3605.6	3435.9	3352.3	3478.5	3992.6	5088.4	5304.6
37.5°	4332.2	4303.4	4323.8	4032.5	3813.5	3691.9	3792.1	4312.7	5519.8	5839.0
40°	4781.2	4759.0	4761.8	4483.4	4228.2	4091.8	4172.6	4714.4	6014.4	6474.6
42.5°	5269.3	5252.6	5196.9	4950.1	4663.4	4536.3	4610.5	5178.4	6545.1	7198.3
45°	5815.8	5805.6	5753.6	5470.6	5142.2	4999.3	5099.5	5690.5	7078.6	7879.4
47.5°	6288.1	6296.4	6289.9	6051.5	5711.0	5501.3	5621.0	6225.0	7575.0	8519.6
50°	6515.4	6559.0	6623.0	6548.8	6337.3	6123.8	6147.0	6740.9	8048.2	9119.9
52.5°	6396.6	6479.2	6653.7	6772.4	6854.1	6809.5	6747.4	7253.1	8493.6	9661.8
55°	5954.1	6070.0	6359.5	6646.2	7062.8	7386.7	7468.3	7820.9	8927.8	10138.7
57.5°	5147.7	5336.1	5595.9	6175.8	6877.3	7665.9	8309.0	8608.6	9388.0	10648.1
60°	3765.2	4017.6	4340.5	5203.4	6227.8	7516.6	9024.3	9818.6	10042.2	11307.8
62.5°	2409.6	2565.5	2862.4	3675.2	4852.7	6751.1	9243.3	11331.0	11151.0	12389.7
65°	1649.7	1749.9	2021.8	2478.3	3137.1	5025.3	8656.9	12464.8	12912.0	14104.3
67.5°	1198.8	1274.9	1506.8	1906.7	2044.1	2973.8	6717.7	12412.9	14623.9	15871.0
70°	874.0	927.9	1122.7	1506.8	1572.7	1654.4	4069.6	10551.6	14586.8	16340.5
72.5°	647.6	684.8	815.6	1169.1	1273.0	1117.1	2014.4	7668.7	12534.4	14779.8
75°	468.6	496.4	592.9	894.5	1018.8	850.8	1004.9	4481.5	8743.2	10396.6
77.5°	358.2	379.5	442.6	655.1	815.6	638.4	623.5	2061.7	4145.7	4166.1
80°	287.6	301.6	335.9	461.1	625.4	477.8	406.4	832.3	1310.1	1108.8
82.5°	211.6	234.7	283.9	323.8	447.2	329.4	247.7	420.3	498.3	428.7
85°	120.6	136.4	171.7	232.0	285.8	201.3	142.0	186.5	232.0	190.2
87.5°	42.7	55.7	60.3	90.9	124.3	83.5	54.7	53.8	76.1	56.6
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°
2563.7	0°	2563.7	2563.7	2563.7	2563.7	2563.7	2563.7	2563.7	2563.7	2563.7	2563.7
2591.5	2.5°	2582.2	2577.6	2559.0	2534.0	2508.0	2482.9	2474.6	2457.0	2444.9	2438.4
2651.8	5°	2634.2	2619.3	2575.7	2520.1	2461.6	2398.5	2354.0	2313.1	2283.5	2255.6
2734.4	7.5°	2708.4	2682.4	2607.3	2509.9	2405.9	2301.1	2223.1	2163.8	2123.9	2097.9
2830.9	10°	2794.7	2754.8	2639.8	2494.1	2333.6	2183.2	2091.4	2040.4	2015.3	2001.4
2941.3	12.5°	2894.0	2837.4	2673.2	2457.9	2223.1	2051.5	1988.4	1973.5	1974.5	1975.4
3080.5	15°	3016.5	2937.6	2700.1	2379.0	2079.3	1950.4	1939.2	1963.3	1988.4	2000.5
3238.2	17.5°	3154.7	3043.4	2704.7	2249.1	1938.3	1885.4	1920.7	1972.6	2010.7	2027.4
3414.5	20°	3303.2	3151.0	2671.3	2065.4	1822.3	1832.5	1895.6	1962.4	2004.2	2025.5
3615.9	22.5°	3473.0	3266.1	2591.5	1872.4	1727.7	1775.0	1849.2	1914.2	1957.8	1979.1
3852.5	25°	3666.9	3395.0	2466.2	1710.0	1646.0	1710.0	1784.3	1838.1	1873.3	1892.8
4116.9	27.5°	3882.1	3529.6	2299.2	1581.1	1574.6	1643.2	1704.5	1746.2	1764.8	1779.6
4398.0	30°	4098.3	3652.0	2097.0	1483.6	1512.4	1577.4	1621.0	1639.5	1645.1	1647.9
4711.7	32.5°	4332.2	3757.8	1884.5	1402.9	1453.0	1513.3	1539.3	1547.7	1521.7	1504.1
5092.1	35°	4615.2	3871.0	1676.6	1338.9	1394.6	1446.5	1454.9	1447.5	1416.8	1380.6
5569.0	37.5°	4965.0	4012.0	1510.5	1293.4	1339.8	1374.2	1363.9	1362.1	1364.9	1322.2
6142.4	40°	5393.6	4195.8	1389.0	1258.2	1295.3	1302.7	1273.9	1289.7	1303.6	1238.7
6771.5	42.5°	5869.6	4417.5	1312.0	1234.0	1258.2	1240.5	1196.0	1213.6	1211.8	1126.4
7403.4	45°	6354.9	4658.8	1285.1	1216.4	1223.8	1188.6	1139.4	1144.0	1105.1	1028.1
8009.3	47.5°	6837.4	4917.6	1301.8	1201.6	1181.2	1141.3	1103.2	1082.8	1025.3	967.8
8590.1	50°	7310.6	5189.5	1363.0	1171.9	1122.7	1099.5	1071.7	1035.5	974.2	925.1
9139.4	52.5°	7749.5	5463.2	1431.7	1122.7	1049.4	1063.3	1045.7	1003.9	943.6	893.5
9659.0	55°	8165.1	5736.9	1458.6	1055.0	980.7	1031.8	1021.6	944.6	872.2	831.4
10202.7	57.5°	8617.9	6066.3	1428.9	968.7	925.1	995.6	956.6	871.3	829.5	798.9
10910.7	60°	9245.2	6583.1	1364.9	862.0	872.2	941.8	875.0	839.7	794.2	759.9
11972.1	62.5°	10287.1	7547.2	1261.9	756.2	810.0	862.0	836.0	800.7	754.3	720.9
13787.0	65°	11827.4	8887.0	1068.0	673.6	740.4	784.0	794.2	759.0	710.7	675.5
15377.4	67.5°	13126.4	9727.6	808.2	605.0	669.0	720.9	749.7	715.4	664.3	630.0
15749.4	70°	13054.9	9117.1	617.0	537.2	605.9	658.8	695.9	669.0	614.2	581.8
14305.7	72.5°	11595.4	7627.0	499.2	468.6	541.9	593.8	638.4	618.0	562.3	530.7
10480.1	75°	8518.6	5414.0	399.0	399.0	462.1	526.1	575.3	562.3	511.2	489.0
4399.9	77.5°	3590.8	2271.4	312.7	331.2	384.1	451.9	513.1	517.7	473.2	501.0
1163.5	80°	954.8	626.3	238.5	260.7	301.6	373.0	446.3	444.4	396.2	370.2
432.4	82.5°	363.7	246.8	169.8	183.7	218.0	285.8	353.5	364.6	316.4	273.7
169.8	85°	140.1	105.8	104.8	110.4	127.1	189.3	267.2	276.5	238.5	202.3
47.3	87.5°	36.2	31.5	39.0	37.1	58.5	101.1	153.1	158.7	145.7	84.4
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°
2563.7
2445.8
2266.8
2103.4
2005.1
1977.3
1999.5
2031.1
2031.1
1984.7
1898.4
1785.2
1654.4
1509.6
1382.5
1325.0
1240.5
1125.5
1030.8
967.8
921.4
894.5
827.6
796.1
758.1
720.9
677.3
630.9
584.5
530.7
482.5
454.6
344.2
273.7
208.8
120.6
0.0

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