

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: P848416

Luminaire Tested: **GLAN-SB5A-722-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848416
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-SB5A-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17557 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

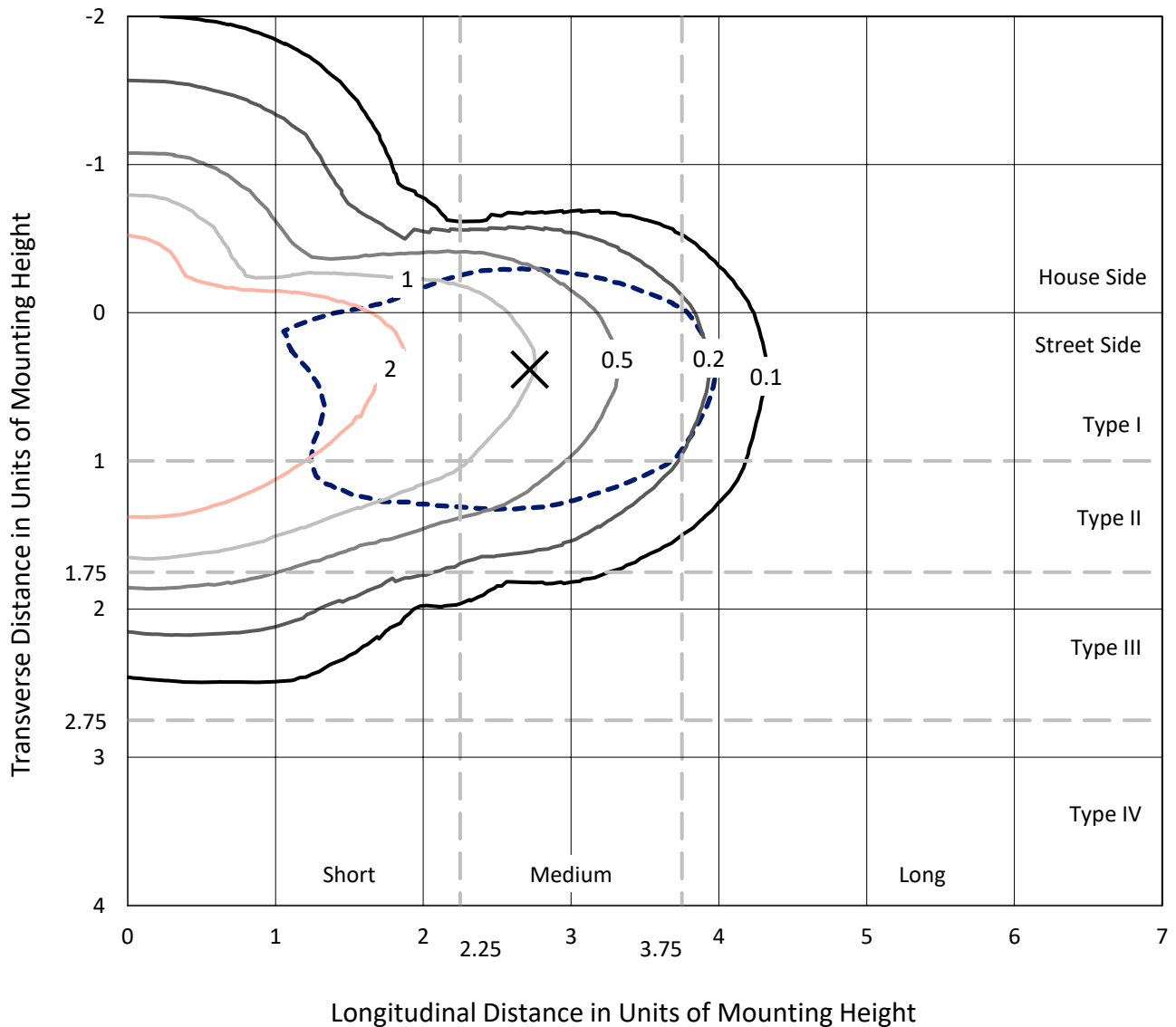
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

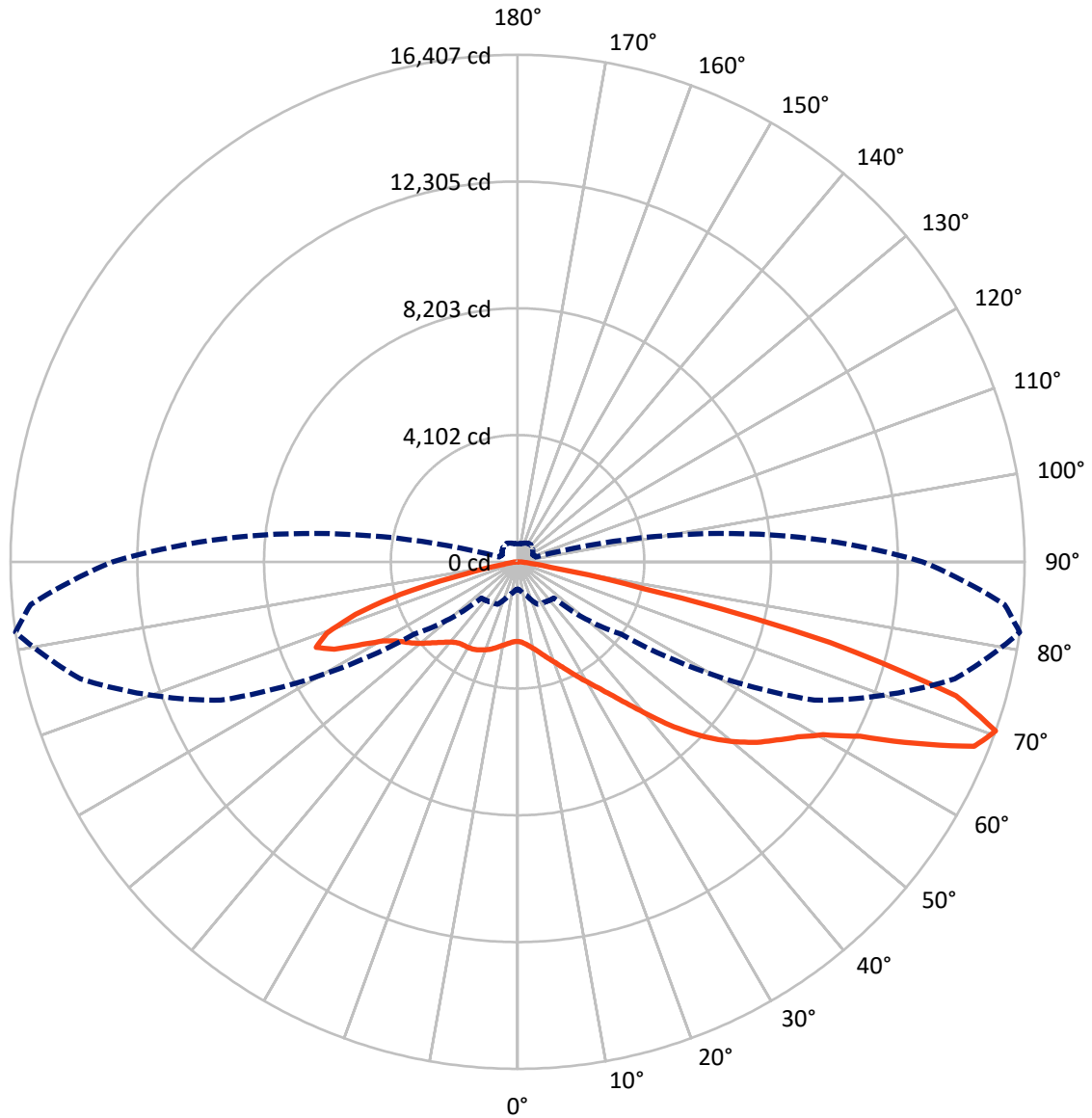
× Max cd
 - - - 1/2 Max cd



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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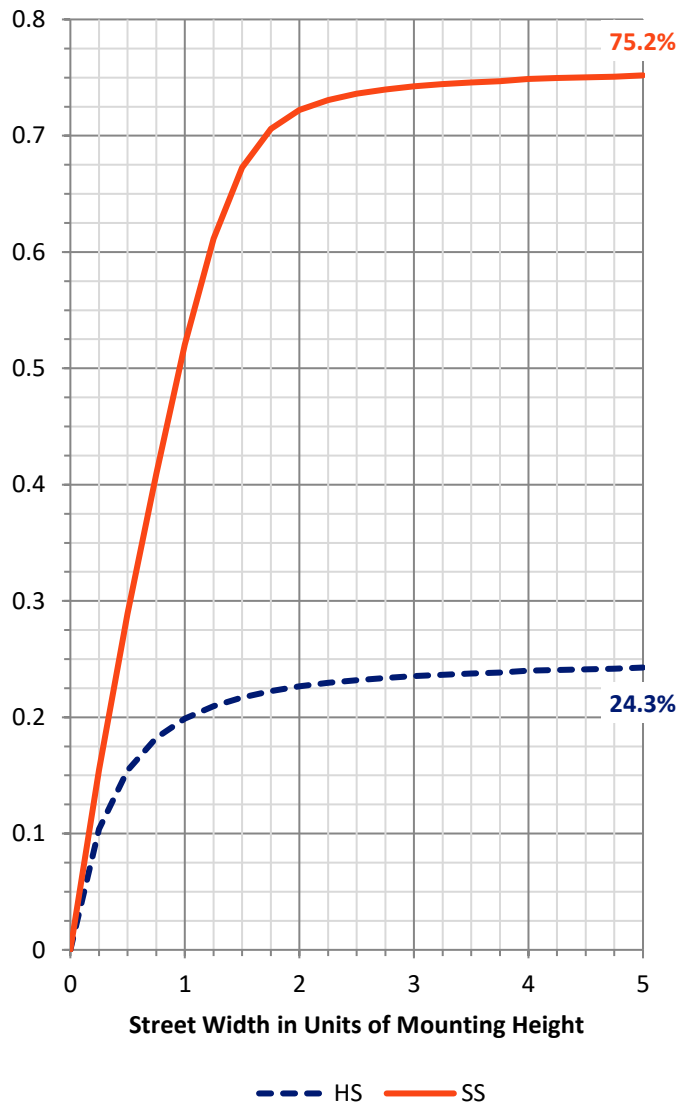
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4328.2	0.0	4328.2
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	13228.8	0.0	13228.8
	% Fixture	75.3	0.0	75.3
Total	Lumens	17557.0	0.0	17557.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.0	1.4
10°-20°	698.3	4.0
20°-30°	1168.1	6.7
30°-40°	1824.9	10.4
40°-50°	2906.4	16.6
50°-60°	4044.6	23.0
60°-70°	4230.8	24.1
70°-80°	2211.3	12.6
80°-90°	229.6	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°	17557.0	100.0
0°-180°	17557.0	100.0

Coefficient of Utilization

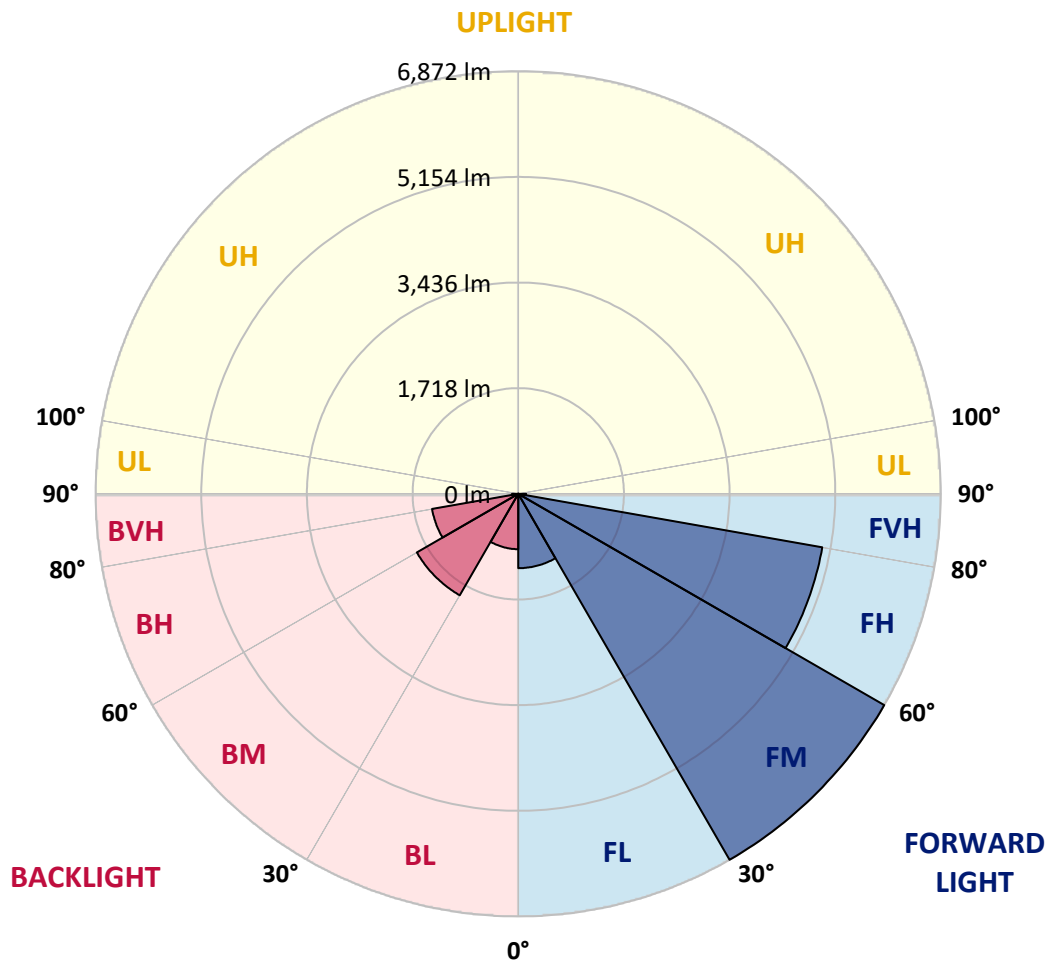


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1209.0	6.9			
FM (30°-60°)	6871.6	39.1			
FH (60°-80°)	5019.6	28.6			G3/7500
FVH (80°-90°)	128.5	0.7			G2/225
BL (0°-30°)	900.4	5.1	B2/1000		
BM (30°-60°)	1904.3	10.8	B2/2500		
BH (60°-80°)	1422.5	8.1	B3/2500		G3/2500
BVH (80°-90°)	101.1	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°	2574.1	2574.1	2574.1	2574.1	2574.1	2574.1	2574.1	2574.1	2574.1	2574.1
2.5°	2635.6	2650.5	2645.8	2641.2	2641.2	2634.6	2633.7	2624.4	2616.9	2604.8
5°	2669.1	2684.9	2683.1	2686.8	2698.9	2701.7	2704.5	2698.9	2684.0	2669.1
7.5°	2639.3	2657.0	2662.6	2684.9	2722.2	2755.7	2780.9	2791.1	2777.2	2755.7
10°	2538.7	2558.2	2577.8	2630.9	2697.1	2776.2	2843.3	2883.4	2880.6	2860.1
12.5°	2334.6	2355.1	2397.1	2500.5	2621.6	2761.3	2886.2	2970.0	2998.9	2984.0
15°	2171.6	2189.3	2221.0	2327.2	2484.6	2697.1	2902.0	3065.0	3138.6	3130.3
17.5°	2167.0	2174.4	2194.0	2244.3	2365.4	2596.4	2885.2	3158.2	3298.9	3297.9
20°	2248.9	2251.7	2262.9	2273.2	2342.1	2520.0	2842.4	3235.5	3478.7	3478.7
22.5°	2362.6	2360.7	2371.9	2362.6	2396.1	2513.5	2815.4	3303.5	3679.0	3693.9
25°	2533.1	2523.8	2521.0	2499.5	2506.1	2574.1	2845.2	3380.9	3916.5	3947.3
27.5°	2760.4	2745.5	2735.2	2685.9	2669.1	2698.9	2936.5	3474.0	4181.1	4234.2
30°	3056.7	3029.6	3014.7	2929.0	2868.5	2873.1	3074.4	3597.9	4457.8	4543.5
32.5°	3461.0	3419.1	3379.0	3238.3	3127.5	3091.1	3252.3	3769.3	4757.8	4894.7
35°	3913.8	3880.2	3837.4	3620.3	3449.8	3366.0	3492.7	4008.8	5109.0	5326.1
37.5°	4349.8	4320.9	4341.4	4048.8	3829.0	3706.9	3807.5	4330.2	5542.2	5862.7
40°	4800.7	4778.3	4781.1	4501.6	4245.4	4108.5	4189.5	4733.6	6038.8	6500.9
42.5°	5290.7	5273.9	5218.0	4970.2	4682.3	4554.7	4629.2	5199.4	6571.7	7227.5
45°	5839.4	5829.2	5777.0	5492.9	5163.1	5019.6	5120.2	5713.6	7107.4	7911.3
47.5°	6313.6	6322.0	6315.5	6076.0	5734.1	5523.6	5643.8	6250.3	7605.8	8554.2
50°	6541.9	6585.6	6649.9	6575.4	6363.0	6148.7	6172.0	6768.2	8080.9	9156.9
52.5°	6422.6	6505.5	6680.7	6799.9	6881.9	6837.2	6774.8	7282.5	8528.1	9701.0
55°	5978.2	6094.7	6385.3	6673.2	7091.5	7416.7	7498.6	7852.7	8964.1	10179.9
57.5°	5168.6	5357.8	5618.6	6200.9	6905.2	7697.1	8342.7	8643.6	9426.2	10691.3
60°	3780.5	4033.9	4358.1	5224.5	6253.1	7547.1	9061.0	9858.4	10083.0	11353.7
62.5°	2419.4	2575.9	2874.1	3690.2	4872.4	6778.5	9280.8	11377.0	11196.3	12440.0
65°	1656.4	1757.0	2030.0	2488.4	3149.8	5045.7	8692.0	12515.4	12964.5	14161.6
67.5°	1203.7	1280.1	1513.0	1914.5	2052.4	2985.9	6745.0	12463.3	14683.3	15935.4
70°	877.6	931.6	1127.3	1513.0	1579.1	1661.1	4086.1	10594.4	14646.1	16406.8
72.5°	650.3	687.5	818.9	1173.8	1278.2	1121.7	2022.6	7699.9	12585.3	14839.8
75°	470.5	498.4	595.3	898.1	1022.9	854.3	1008.9	4499.7	8778.7	10438.8
77.5°	359.6	381.0	444.4	657.7	818.9	641.0	626.1	2070.1	4162.5	4183.0
80°	288.8	302.8	337.2	463.0	627.9	479.8	408.1	835.7	1315.5	1113.3
82.5°	212.4	235.7	285.1	325.1	449.0	330.7	248.7	422.0	500.3	430.4
85°	121.1	136.9	172.4	232.9	286.9	202.2	142.5	187.3	232.9	191.0
87.5°	42.9	55.9	60.6	91.3	124.8	83.8	55.0	54.0	76.4	56.8
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°
2574.1	0°	2574.1	2574.1	2574.1	2574.1	2574.1	2574.1	2574.1	2574.1	2574.1	2574.1
2602.0	2.5°	2592.7	2588.1	2569.4	2544.3	2518.2	2493.0	2484.6	2466.9	2454.8	2448.3
2662.6	5°	2644.9	2630.0	2586.2	2530.3	2471.6	2408.2	2363.5	2322.5	2292.7	2264.8
2745.5	7.5°	2719.4	2693.3	2617.9	2520.0	2415.7	2310.4	2232.2	2172.5	2132.5	2106.4
2842.4	10°	2806.0	2766.0	2650.5	2504.2	2343.0	2192.1	2099.9	2048.6	2023.5	2009.5
2953.2	12.5°	2905.7	2848.9	2684.0	2467.9	2232.2	2059.8	1996.5	1981.6	1982.5	1983.4
3093.0	15°	3028.7	2949.5	2711.0	2388.7	2087.8	1958.3	1947.1	1971.3	1996.5	2008.6
3251.4	17.5°	3167.5	3055.7	2715.7	2258.3	1946.2	1893.1	1928.5	1980.6	2018.8	2035.6
3428.4	20°	3316.6	3163.8	2682.1	2073.8	1829.7	1840.0	1903.3	1970.4	2012.3	2033.7
3630.5	22.5°	3487.1	3279.3	2602.0	1880.0	1734.7	1782.2	1856.7	1921.9	1965.7	1987.2
3868.1	25°	3681.8	3408.8	2476.3	1717.0	1652.7	1717.0	1791.5	1845.5	1880.9	1900.5
4133.6	27.5°	3897.9	3543.9	2308.6	1587.5	1581.0	1649.9	1711.4	1753.3	1771.9	1786.9
4415.9	30°	4115.0	3666.9	2105.5	1489.7	1518.5	1583.8	1627.5	1646.2	1651.8	1654.6
4730.8	32.5°	4349.8	3773.1	1892.1	1408.6	1458.9	1519.5	1545.6	1553.9	1527.9	1510.2
5112.7	35°	4633.9	3886.7	1683.4	1344.3	1400.2	1452.4	1460.8	1453.3	1422.6	1386.3
5591.6	37.5°	4985.1	4028.3	1516.7	1298.7	1345.3	1379.7	1369.5	1367.6	1370.4	1327.6
6167.3	40°	5415.5	4212.8	1394.6	1263.3	1300.5	1308.0	1279.1	1295.0	1308.9	1243.7
6799.0	42.5°	5893.5	4435.5	1317.3	1239.1	1263.3	1245.6	1200.9	1218.6	1216.7	1131.0
7433.4	45°	6380.7	4677.7	1290.3	1221.4	1228.8	1193.4	1144.0	1148.7	1109.6	1032.2
8041.8	47.5°	6865.1	4937.6	1307.1	1206.5	1186.0	1145.9	1107.7	1087.2	1029.4	971.7
8625.0	50°	7340.3	5210.6	1368.6	1176.6	1127.3	1104.0	1076.0	1039.7	978.2	928.8
9176.5	52.5°	7780.9	5485.4	1437.5	1127.3	1053.7	1067.6	1049.9	1008.0	947.5	897.2
9698.2	55°	8198.3	5760.2	1464.5	1059.3	984.7	1036.0	1025.7	948.4	875.7	834.7
10244.1	57.5°	8652.9	6091.0	1434.7	972.6	928.8	999.6	960.5	874.8	832.9	802.1
10955.0	60°	9282.7	6609.9	1370.4	865.5	875.7	945.6	878.5	843.1	797.5	763.0
12020.7	62.5°	10328.9	7577.8	1267.0	759.3	813.3	865.5	839.4	804.0	757.4	723.9
13843.0	65°	11875.4	8923.1	1072.3	676.4	743.4	787.2	797.5	762.1	713.6	678.2
15439.8	67.5°	13179.7	9767.1	811.4	607.4	671.7	723.9	752.8	718.3	667.0	632.6
15813.4	70°	13107.9	9154.1	619.5	539.4	608.4	661.5	698.7	671.7	616.7	584.1
14363.8	72.5°	11642.5	7657.9	501.2	470.5	544.1	596.2	641.0	620.5	564.6	532.9
10522.7	75°	8553.2	5436.0	400.6	400.6	463.9	528.2	577.6	564.6	513.3	491.0
4417.8	77.5°	3605.4	2280.6	314.0	332.6	385.7	453.7	515.2	519.8	475.1	503.1
1168.3	80°	958.6	628.8	239.4	261.8	302.8	374.5	448.1	446.2	397.8	371.7
434.1	82.5°	365.2	247.8	170.5	184.5	218.9	286.9	354.9	366.1	317.7	274.8
170.5	85°	140.7	106.2	105.3	110.9	127.6	190.1	268.3	277.6	239.4	203.1
47.5	87.5°	36.3	31.7	39.1	37.3	58.7	101.5	153.7	159.3	146.3	84.8
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°
2574.1
2455.8
2276.0
2112.0
2013.2
1985.3
2007.6
2039.3
2039.3
1992.7
1906.1
1792.4
1661.1
1515.8
1388.1
1330.4
1245.6
1130.1
1035.0
971.7
925.1
898.1
831.0
799.3
761.1
723.9
680.1
633.5
586.9
532.9
484.4
456.5
345.6
274.8
209.6
121.1
0.0

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