

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: P847846

Luminaire Tested: **GLAN-SB4A-850-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847846
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-SB4A-850-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15295 lumens
Efficiency: N/A
Efficacy: 134.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

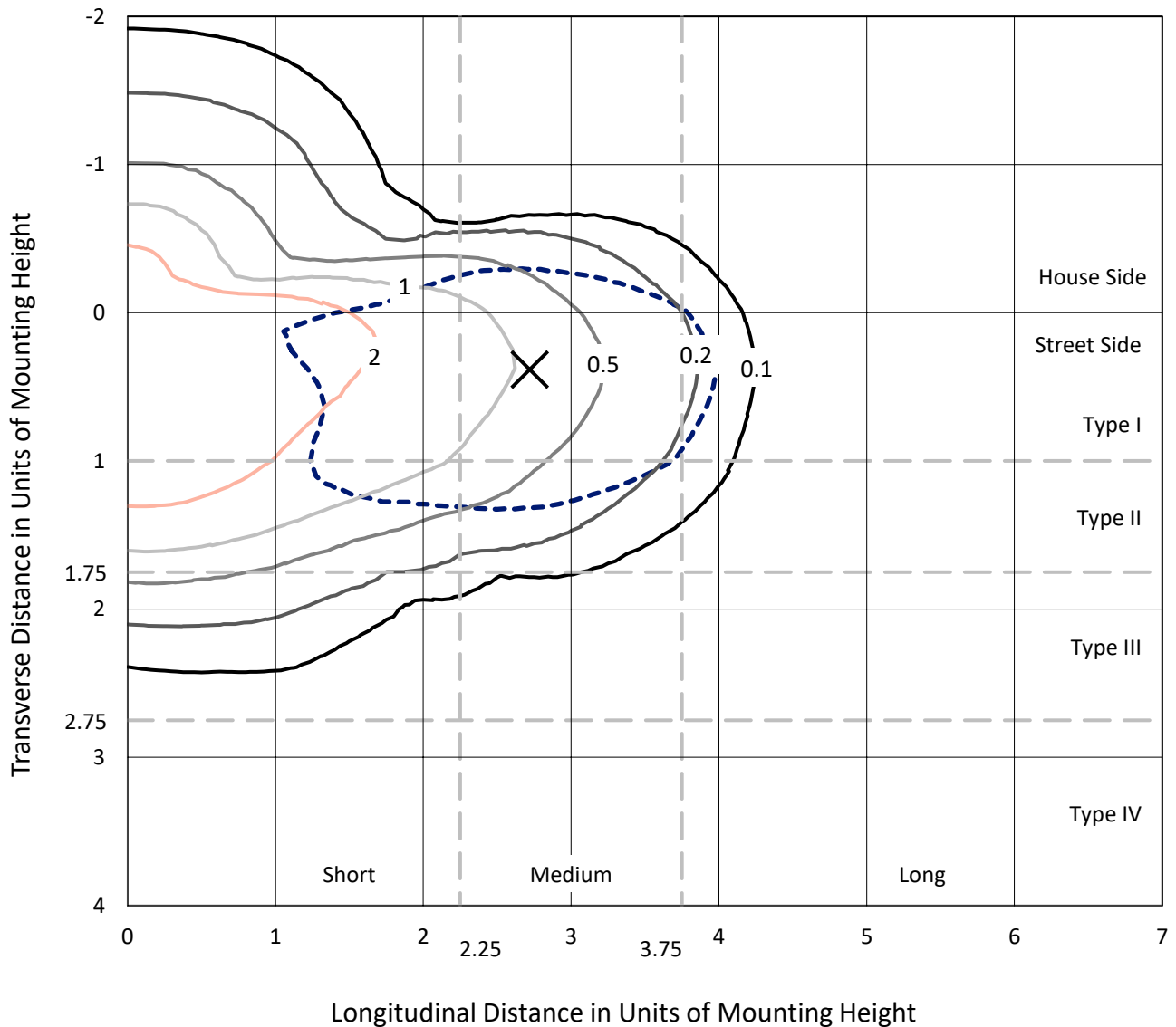
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

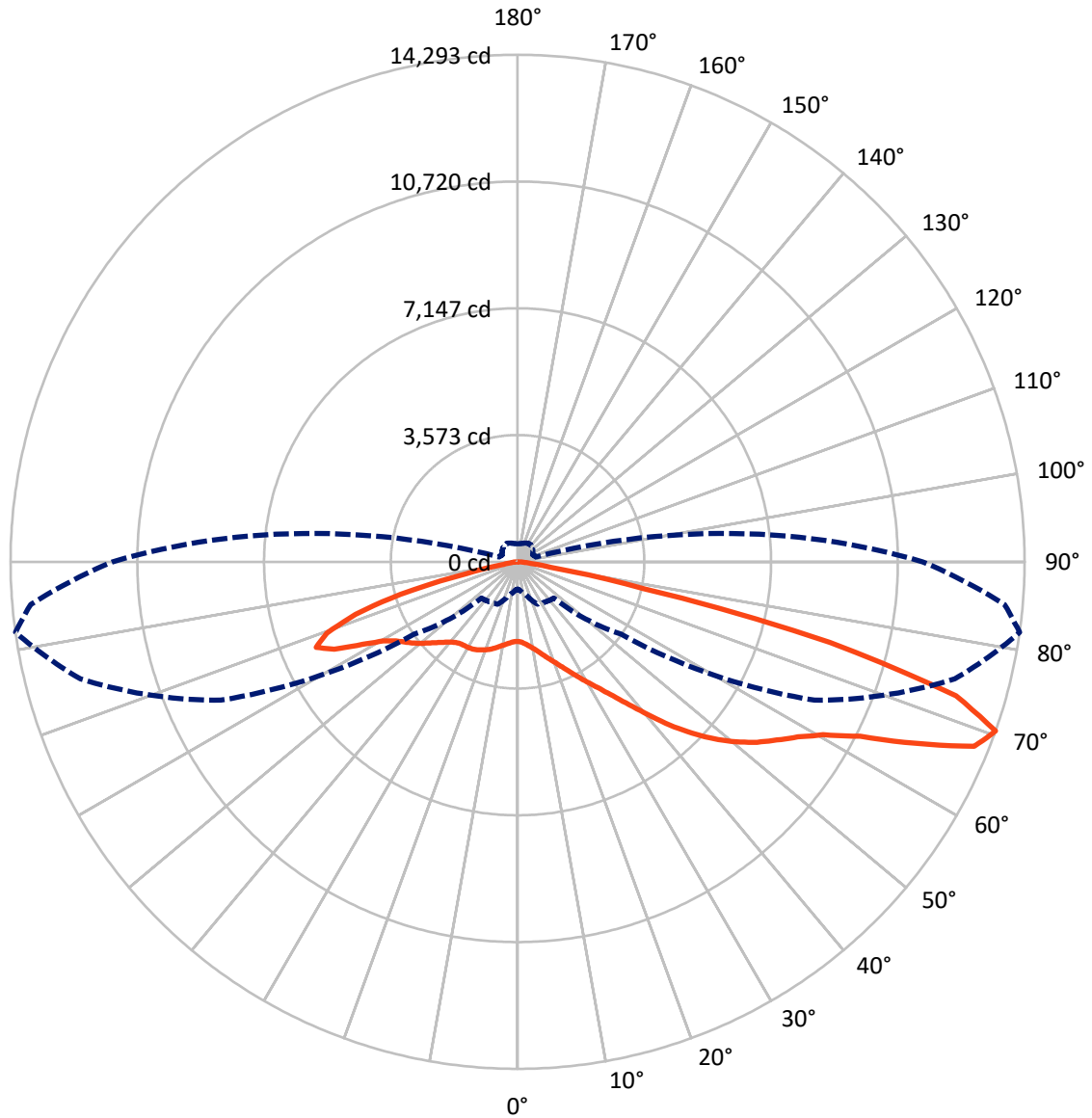
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 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	3770.6	0.0	3770.6
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	11524.4	0.0	11524.4
	% Fixture	75.3	0.0	75.3
Total	Lumens	15295.0	0.0	15295.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.7	1.4
10°-20°	608.3	4.0
20°-30°	1017.6	6.7
30°-40°	1589.8	10.4
40°-50°	2531.9	16.6
50°-60°	3523.5	23.0
60°-70°	3685.7	24.1
70°-80°	1926.4	12.6
80°-90°	200.0	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°	15295.0	100.0
0°-180°	15295.0	100.0

Coefficient of Utilization

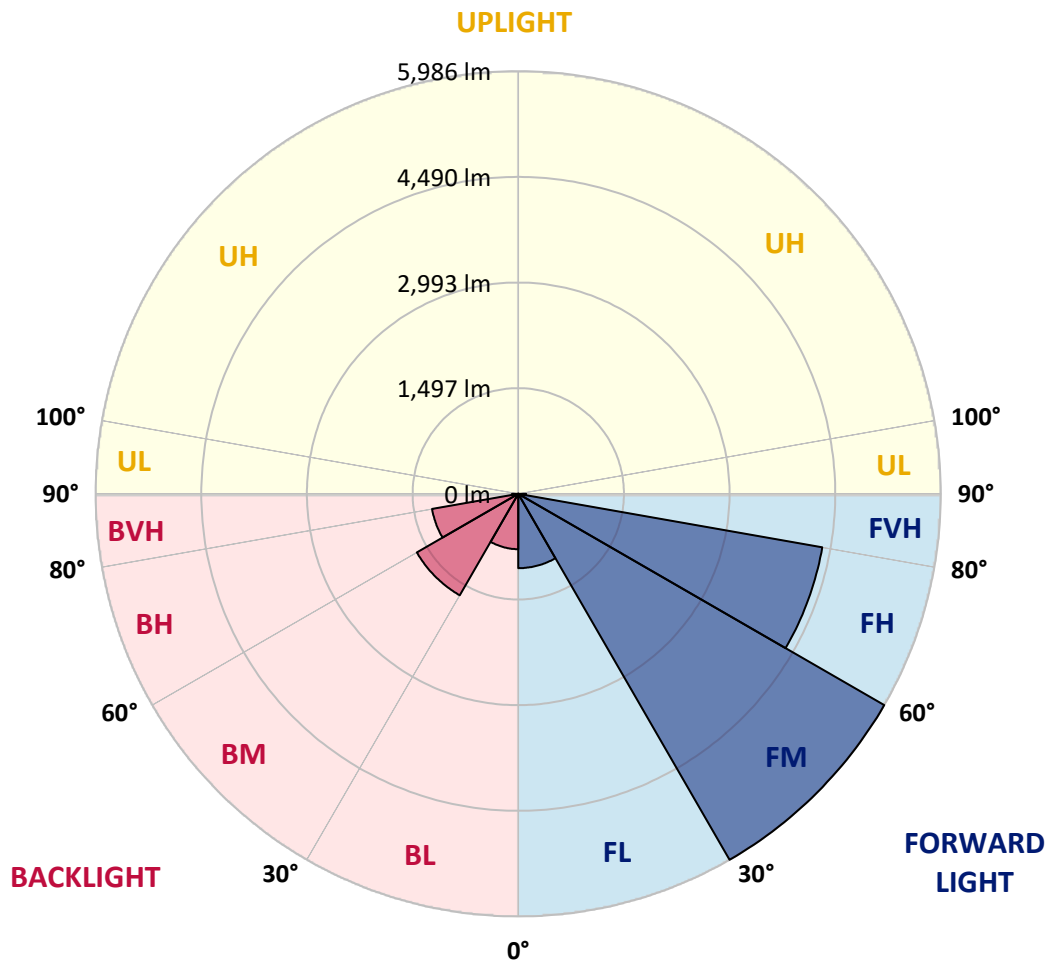


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1053.2	6.9			
FM (30°-60°)	5986.3	39.1			
FH (60°-80°)	4372.9	28.6			G2/5000
FVH (80°-90°)	112.0	0.7			G2/225
BL (0°-30°)	784.4	5.1	B2/1000		
BM (30°-60°)	1658.9	10.8	B2/2500		
BH (60°-80°)	1239.2	8.1	B3/2500		G3/2500
BVH (80°-90°)	88.1	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°	2242.4	2242.4	2242.4	2242.4	2242.4	2242.4	2242.4	2242.4	2242.4	2242.4
2.5°	2296.0	2309.0	2304.9	2300.9	2300.9	2295.2	2294.4	2286.3	2279.8	2269.2
5°	2325.2	2339.0	2337.4	2340.6	2351.2	2353.6	2356.1	2351.2	2338.2	2325.2
7.5°	2299.2	2314.7	2319.5	2339.0	2371.5	2400.7	2422.6	2431.5	2419.4	2400.7
10°	2211.6	2228.6	2245.7	2291.9	2349.6	2418.6	2477.0	2511.9	2509.5	2491.6
12.5°	2033.9	2051.7	2088.2	2178.3	2283.8	2405.6	2514.3	2587.4	2612.5	2599.5
15°	1891.8	1907.2	1934.8	2027.4	2164.5	2349.6	2528.1	2670.1	2734.3	2727.0
17.5°	1887.8	1894.3	1911.3	1955.1	2060.6	2261.9	2513.5	2751.3	2873.9	2873.0
20°	1959.2	1961.6	1971.4	1980.3	2040.4	2195.4	2476.2	2818.7	3030.5	3030.5
22.5°	2058.2	2056.6	2066.3	2058.2	2087.4	2189.7	2452.6	2877.9	3205.0	3218.0
25°	2206.7	2198.6	2196.2	2177.5	2183.2	2242.4	2478.6	2945.3	3411.9	3438.7
27.5°	2404.8	2391.8	2382.8	2339.8	2325.2	2351.2	2558.1	3026.4	3642.4	3688.7
30°	2662.8	2639.3	2626.3	2551.7	2498.9	2503.0	2678.3	3134.4	3883.5	3958.2
32.5°	3015.1	2978.6	2943.7	2821.1	2724.5	2692.9	2833.3	3283.7	4144.8	4264.1
35°	3409.5	3380.3	3343.0	3153.9	3005.3	2932.3	3042.7	3492.3	4450.8	4639.9
37.5°	3789.3	3764.2	3782.0	3527.2	3335.7	3229.3	3317.0	3772.3	4828.2	5107.4
40°	4182.2	4162.7	4165.1	3921.6	3698.4	3579.1	3649.7	4123.7	5260.8	5663.3
42.5°	4609.1	4594.4	4545.7	4329.9	4079.1	3967.9	4032.8	4529.5	5725.0	6296.4
45°	5087.1	5078.2	5032.7	4785.2	4497.9	4372.9	4460.5	4977.5	6191.7	6892.1
47.5°	5500.2	5507.5	5501.8	5293.2	4995.4	4811.9	4916.6	5445.0	6625.9	7452.1
50°	5699.0	5737.2	5793.2	5728.2	5543.2	5356.5	5376.8	5896.2	7039.8	7977.2
52.5°	5595.1	5667.4	5820.0	5923.8	5995.3	5956.3	5901.9	6344.2	7429.3	8451.1
55°	5208.0	5309.5	5562.7	5813.5	6177.9	6461.1	6532.5	6840.9	7809.2	8868.3
57.5°	4502.7	4667.5	4894.7	5402.0	6015.5	6705.4	7267.8	7530.0	8211.7	9313.9
60°	3293.5	3514.2	3796.6	4551.4	5447.4	6574.7	7893.6	8588.3	8783.9	9890.9
62.5°	2107.7	2244.1	2503.8	3214.7	4244.6	5905.2	8085.1	9911.2	9753.8	10837.2
65°	1443.0	1530.7	1768.5	2167.8	2744.0	4395.6	7572.2	10903.0	11294.2	12337.1
67.5°	1048.6	1115.1	1318.0	1667.8	1787.9	2601.2	5876.0	10857.5	12791.6	13882.3
70°	764.5	811.6	982.0	1318.0	1375.7	1447.1	3559.7	9229.5	12759.1	14293.0
72.5°	566.5	599.0	713.4	1022.6	1113.5	977.2	1762.0	6707.8	10963.8	12927.9
75°	409.9	434.2	518.6	782.4	891.1	744.2	879.0	3920.0	7647.7	9093.9
77.5°	313.3	331.9	387.1	573.0	713.4	558.4	545.4	1803.4	3626.2	3644.1
80°	251.6	263.8	293.8	403.4	547.0	418.0	355.5	728.0	1146.0	969.9
82.5°	185.0	205.3	248.3	283.2	391.2	288.1	216.7	367.7	435.8	375.0
85°	105.5	119.3	150.1	202.9	250.0	176.1	124.2	163.1	202.9	166.4
87.5°	37.3	48.7	52.8	79.5	108.8	73.0	47.9	47.1	66.6	49.5
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°
2242.4	0°	2242.4	2242.4	2242.4	2242.4	2242.4	2242.4	2242.4	2242.4	2242.4	2242.4
2266.8	2.5°	2258.7	2254.6	2238.4	2216.5	2193.7	2171.8	2164.5	2149.1	2138.6	2132.9
2319.5	5°	2304.1	2291.1	2253.0	2204.3	2153.2	2098.0	2059.0	2023.3	1997.3	1973.0
2391.8	7.5°	2369.0	2346.3	2280.6	2195.4	2104.5	2012.8	1944.6	1892.6	1857.7	1835.0
2476.2	10°	2444.5	2409.6	2309.0	2181.6	2041.2	1909.7	1829.3	1784.7	1762.8	1750.6
2572.8	12.5°	2531.4	2481.9	2338.2	2149.9	1944.6	1794.4	1739.2	1726.3	1727.1	1727.9
2694.5	15°	2638.5	2569.5	2361.7	2080.9	1818.8	1706.0	1696.2	1717.3	1739.2	1749.8
2832.5	17.5°	2759.4	2662.0	2365.8	1967.3	1695.4	1649.2	1680.0	1725.5	1758.7	1773.3
2986.7	20°	2889.3	2756.2	2336.6	1806.6	1594.0	1602.9	1658.1	1716.5	1753.0	1771.7
3162.8	22.5°	3037.8	2856.8	2266.8	1637.8	1511.2	1552.6	1617.5	1674.3	1712.5	1731.1
3369.7	25°	3207.4	2969.6	2157.2	1495.8	1439.8	1495.8	1560.7	1607.8	1638.6	1655.7
3601.0	27.5°	3395.7	3087.3	2011.1	1383.0	1377.3	1437.3	1490.9	1527.4	1543.7	1556.6
3847.0	30°	3584.8	3194.4	1834.2	1297.7	1322.9	1379.7	1417.9	1434.1	1439.0	1441.4
4121.3	32.5°	3789.3	3287.0	1648.4	1227.1	1271.0	1323.7	1346.4	1353.7	1331.0	1315.6
4454.0	35°	4036.9	3386.0	1466.6	1171.1	1219.8	1265.3	1272.6	1266.1	1239.3	1207.7
4871.2	37.5°	4342.8	3509.3	1321.3	1131.4	1171.9	1202.0	1193.0	1191.4	1193.9	1156.5
5372.8	40°	4717.8	3670.0	1215.0	1100.5	1133.0	1139.5	1114.3	1128.1	1140.3	1083.5
5923.0	42.5°	5134.2	3864.0	1147.6	1079.4	1100.5	1085.1	1046.1	1061.6	1059.9	985.3
6475.7	45°	5558.6	4075.0	1124.1	1064.0	1070.5	1039.7	996.6	1000.7	966.6	899.2
7005.7	47.5°	5980.6	4301.5	1138.7	1051.0	1033.2	998.3	965.0	947.1	896.8	846.5
7513.8	50°	6394.6	4539.3	1192.2	1025.0	982.0	961.7	937.4	905.7	852.2	809.2
7994.2	52.5°	6778.4	4778.7	1252.3	982.0	917.9	930.1	914.7	878.1	825.4	781.6
8448.7	55°	7142.0	5018.1	1275.8	922.8	857.9	902.5	893.6	826.2	762.9	727.2
8924.3	57.5°	7538.1	5306.2	1249.9	847.3	809.2	870.8	836.8	762.1	725.6	698.8
9543.6	60°	8086.7	5758.3	1193.9	754.0	762.9	823.8	765.3	734.5	694.7	664.7
10472.0	62.5°	8998.2	6601.5	1103.8	661.5	708.5	754.0	731.2	700.4	659.8	630.6
12059.5	65°	10345.4	7773.5	934.1	589.2	647.7	685.8	694.7	663.9	621.7	590.8
13450.6	67.5°	11481.6	8508.8	706.9	529.2	585.2	630.6	655.8	625.7	581.1	551.1
13776.0	70°	11419.1	7974.7	539.7	469.9	530.0	576.2	608.7	585.2	537.3	508.9
12513.2	72.5°	10142.5	6671.3	436.6	409.9	474.0	519.4	558.4	540.5	491.8	464.2
9167.0	75°	7451.3	4735.7	349.0	349.0	404.2	460.2	503.2	491.8	447.2	427.7
3848.6	77.5°	3140.9	1986.8	273.5	289.7	336.0	395.2	448.8	452.9	413.9	438.3
1017.7	80°	835.1	547.8	208.6	228.1	263.8	326.3	390.4	388.8	346.6	323.8
378.2	82.5°	318.1	215.9	148.5	160.7	190.7	250.0	309.2	319.0	276.8	239.4
148.5	85°	122.6	92.5	91.7	96.6	111.2	165.6	233.7	241.9	208.6	176.9
41.4	87.5°	31.7	27.6	34.1	32.5	51.1	88.5	133.9	138.8	127.4	73.9
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°
2242.4
2139.4
1982.7
1839.9
1753.9
1729.5
1749.0
1776.6
1776.6
1736.0
1660.5
1561.5
1447.1
1320.5
1209.3
1159.0
1085.1
984.5
901.7
846.5
805.9
782.4
723.9
696.3
663.1
630.6
592.5
551.9
511.3
464.2
422.0
397.7
301.1
239.4
182.6
105.5
0.0

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