

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: P846395

Luminaire Tested: **GLAN-SB2A-730-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846395
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2A-730-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6328 lumens
Efficiency: N/A
Efficacy: 110.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

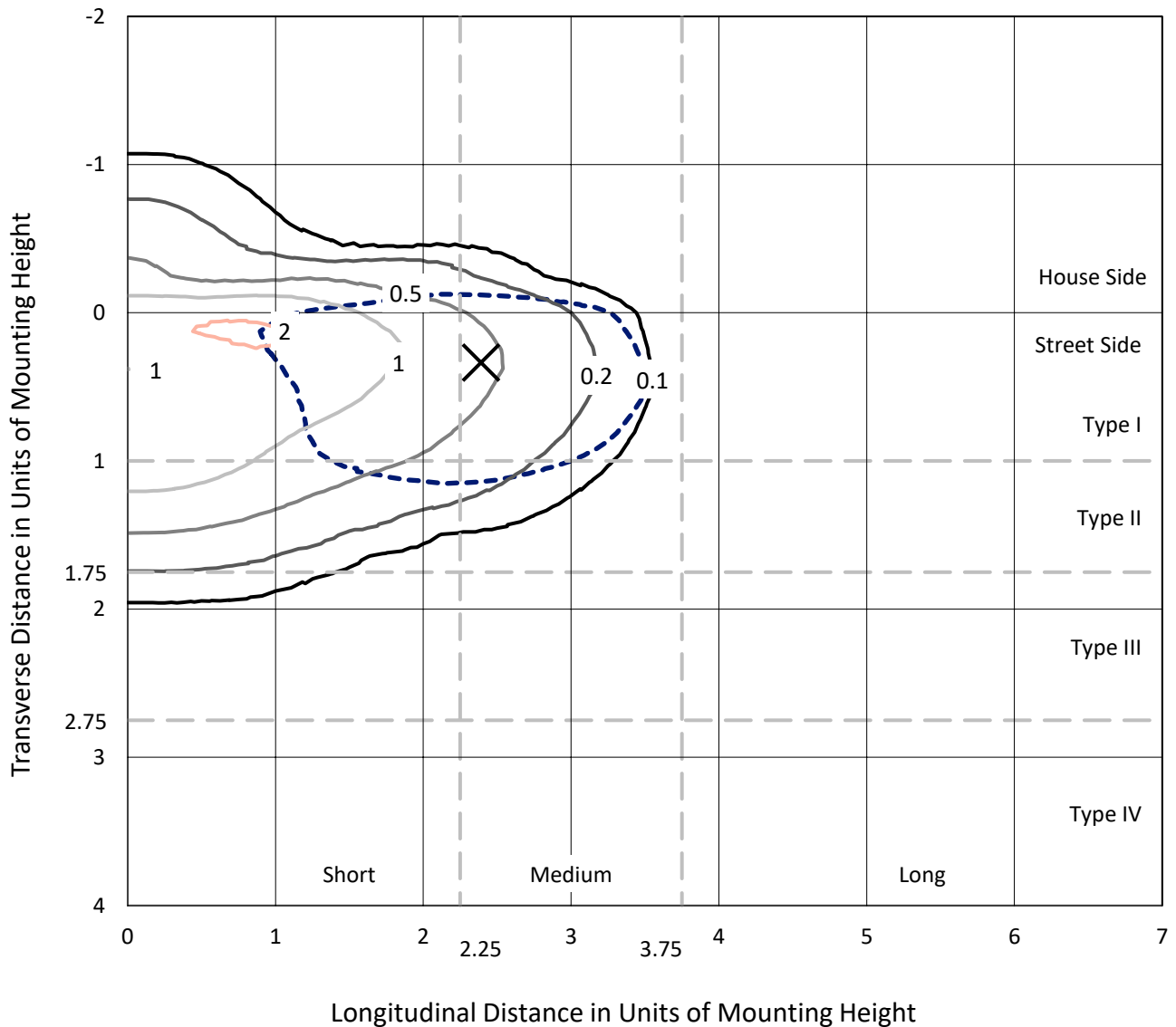
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

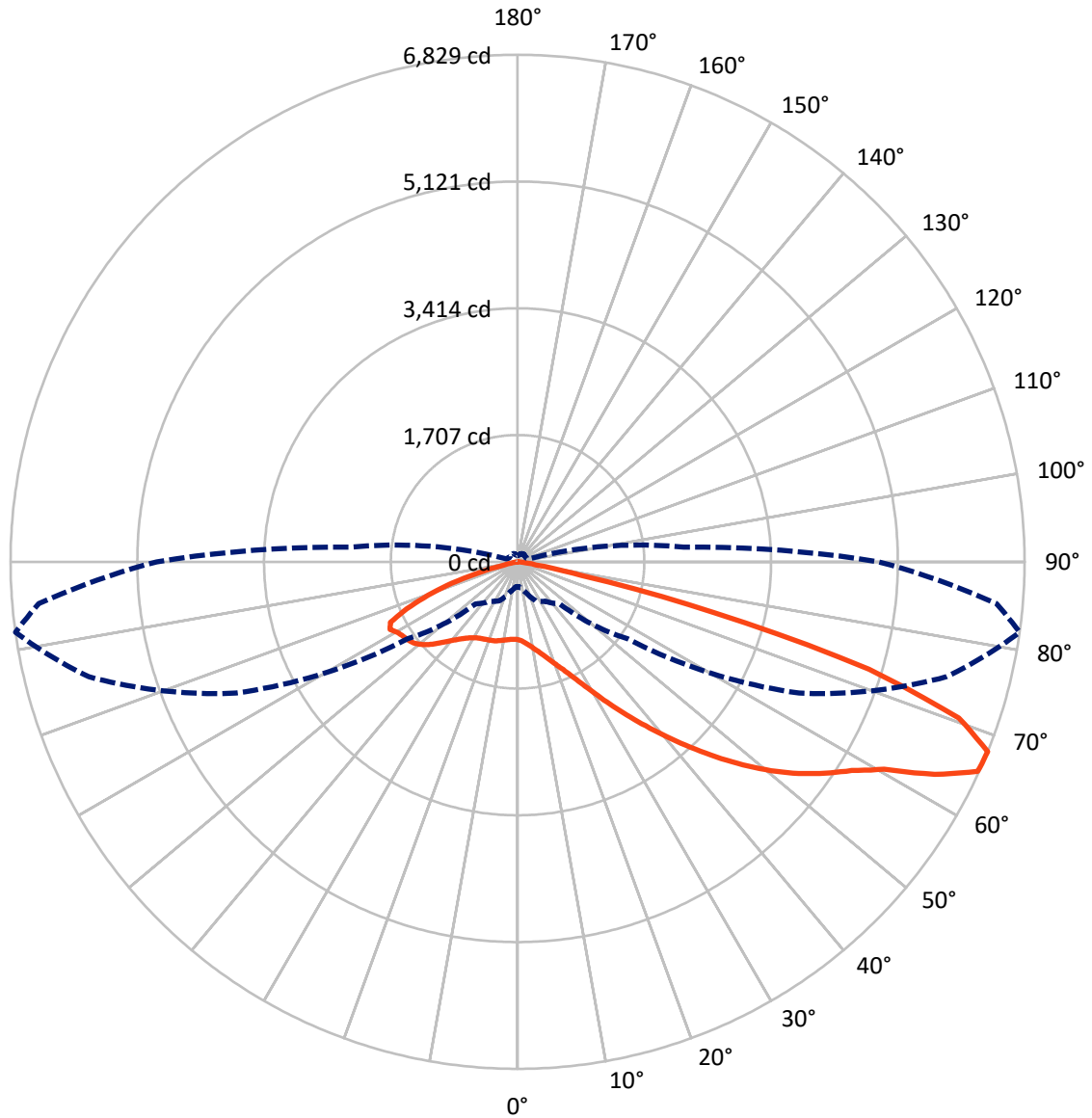
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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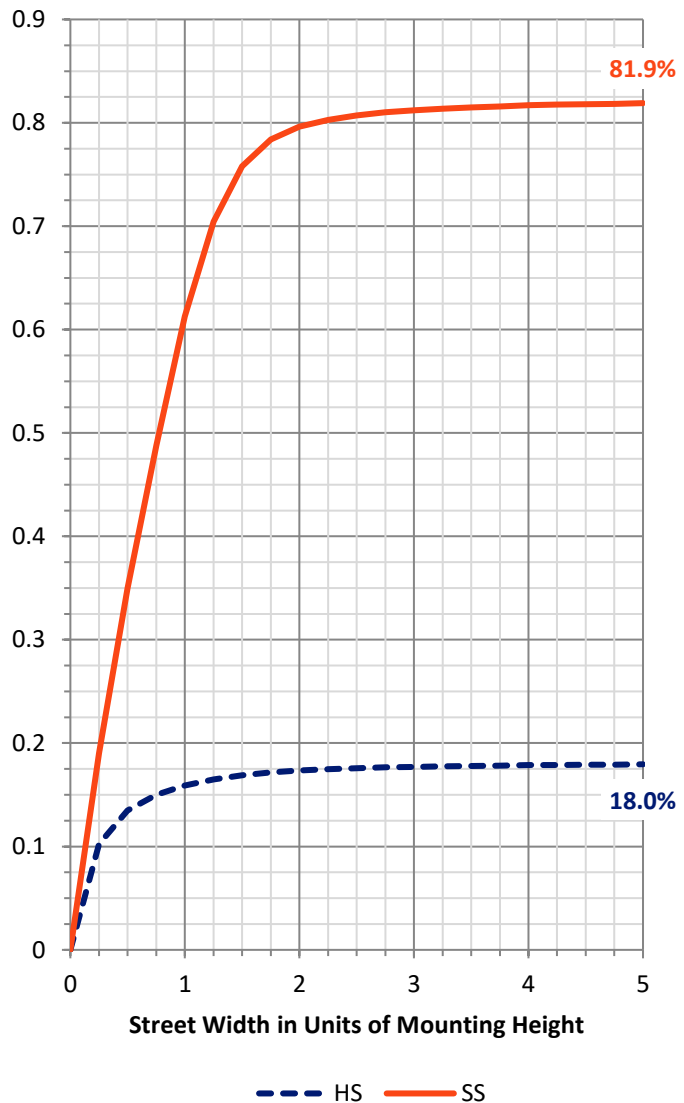
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1146.3	0.0	1146.3
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	5181.7	0.0	5181.7
	% Fixture	81.9	0.0	81.9
Total	Lumens	6328.0	0.0	6328.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.4	1.5
10°-20°	242.7	3.8
20°-30°	388.7	6.1
30°-40°	687.4	10.9
40°-50°	1204.4	19.0
50°-60°	1606.3	25.4
60°-70°	1495.4	23.6
70°-80°	573.9	9.1
80°-90°	35.6	0.6
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°	6328.0	100.0
0°-180°	6328.0	100.0

Coefficient of Utilization

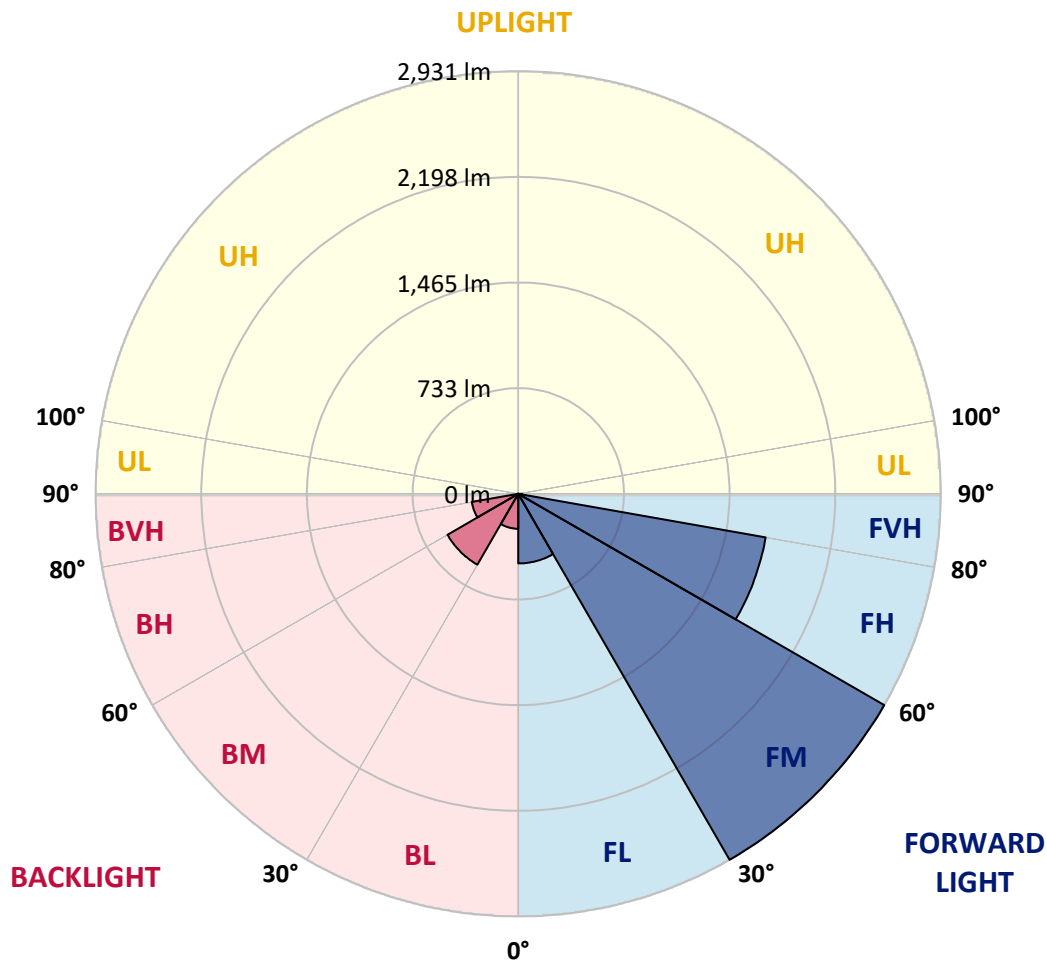


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	482.8	7.6			
FM (30°-60°)	2930.9	46.3			
FH (60°-80°)	1742.2	27.5			G1/1800
FVH (80°-90°)	25.9	0.4			G1/100
BL (0°-30°)	242.1	3.8	B1/500		
BM (30°-60°)	567.3	9.0	B1/1000		
BH (60°-80°)	327.2	5.2	B1/500		G1/500
BVH (80°-90°)	9.7	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1048.3	1048.3	1048.3	1048.3	1048.3	1048.3	1048.3	1048.3	1048.3	1048.3
2.5°	1108.0	1114.4	1110.8	1108.9	1105.7	1101.2	1097.5	1086.2	1074.3	1066.6
5°	1130.3	1136.7	1136.3	1138.1	1140.4	1141.7	1140.8	1128.1	1111.2	1098.0
7.5°	1111.2	1118.5	1124.4	1133.5	1149.5	1166.3	1174.5	1171.8	1154.5	1136.3
10°	1057.0	1064.7	1078.9	1100.3	1134.0	1170.4	1201.0	1215.1	1204.2	1184.1
12.5°	957.7	965.4	993.2	1039.7	1096.2	1159.5	1217.8	1255.6	1258.4	1238.3
15°	846.0	853.8	883.4	941.7	1027.8	1129.4	1226.9	1298.5	1322.6	1305.3
17.5°	776.8	783.6	806.0	852.9	942.6	1069.3	1223.7	1344.0	1399.1	1385.5
20°	755.8	761.8	772.2	805.0	879.8	1006.9	1202.8	1386.8	1481.6	1473.9
22.5°	778.2	783.6	786.8	801.4	848.3	965.9	1176.4	1430.6	1577.3	1578.2
25°	829.6	835.1	831.5	840.6	861.1	953.1	1166.3	1482.1	1697.6	1707.6
27.5°	914.4	914.8	906.2	905.7	908.9	972.3	1176.8	1537.2	1849.3	1868.0
30°	1084.3	1077.5	1044.2	1008.2	991.8	1029.7	1206.0	1602.3	2028.3	2061.6
32.5°	1346.3	1336.3	1275.2	1189.1	1102.6	1122.1	1258.4	1676.6	2223.3	2283.5
35°	1630.6	1627.9	1564.1	1436.1	1284.8	1253.8	1343.6	1774.1	2436.1	2531.8
37.5°	1894.8	1893.5	1857.0	1706.2	1522.2	1437.4	1480.2	1901.7	2663.9	2802.4
40°	2136.3	2140.4	2104.0	1969.1	1783.7	1673.0	1666.1	2059.3	2917.2	3097.2
42.5°	2345.0	2349.5	2312.6	2212.8	2042.0	1933.6	1894.4	2252.5	3164.6	3413.8
45°	2486.7	2514.9	2509.4	2429.7	2307.2	2194.6	2168.7	2494.9	3446.6	3749.6
47.5°	2526.8	2552.7	2593.7	2604.7	2529.9	2419.2	2450.2	2786.9	3731.8	4085.8
50°	2427.9	2452.0	2537.2	2650.7	2702.6	2668.4	2724.0	3099.9	4023.9	4421.1
52.5°	2232.9	2257.5	2365.0	2544.5	2756.4	2863.9	2998.8	3408.3	4306.8	4738.7
55°	1950.9	1976.8	2114.9	2318.1	2653.9	2944.5	3227.9	3716.3	4566.0	5024.4
57.5°	1567.3	1586.4	1729.9	2014.2	2396.0	2864.4	3397.0	4052.6	4810.2	5305.0
60°	1021.5	1038.3	1205.1	1522.2	1968.6	2596.5	3430.7	4427.5	5134.6	5669.9
62.5°	679.3	690.7	789.6	1022.4	1386.4	2082.1	3233.4	4726.8	5610.3	6305.0
65°	466.1	477.5	576.3	738.5	895.7	1377.3	2666.2	4687.2	6041.3	6809.4
67.5°	332.6	342.2	426.0	579.1	648.3	800.0	1807.4	4180.6	5979.3	6828.5
70°	238.3	243.7	313.0	451.0	515.3	480.7	1005.1	3197.4	5235.3	6305.5
72.5°	166.7	168.6	217.3	343.5	415.1	350.8	478.4	2131.8	3959.6	4949.2
75°	113.0	115.3	146.2	251.9	333.0	267.9	253.3	1143.1	2324.5	2739.5
77.5°	69.3	70.2	94.3	172.2	249.2	204.1	163.1	484.3	899.4	883.0
80°	39.2	39.2	60.1	107.1	169.9	131.7	114.4	205.9	284.7	250.1
82.5°	21.9	22.3	43.7	66.5	112.5	77.9	62.9	95.2	123.0	108.9
85°	9.1	10.0	26.9	31.4	53.8	38.7	25.5	40.1	45.6	40.5
87.5°	0.9	1.4	8.2	5.9	6.4	7.7	3.6	7.7	6.4	6.4
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°
1048.3	0°	1048.3	1048.3	1048.3	1048.3	1048.3	1048.3	1048.3	1048.3	1048.3	1048.3
1063.8	2.5°	1055.2	1048.3	1031.0	1011.0	984.6	971.8	954.5	942.6	932.6	933.5
1090.3	5°	1075.7	1058.4	1019.6	971.3	911.2	868.4	822.8	791.4	765.9	760.4
1126.7	7.5°	1103.9	1076.6	1008.7	921.7	820.1	743.1	674.3	630.1	598.7	588.6
1170.9	10°	1140.4	1100.7	994.6	859.3	713.0	615.1	541.3	506.6	485.2	477.9
1222.8	12.5°	1182.7	1128.5	975.9	783.2	602.8	508.4	461.5	444.2	437.4	435.1
1286.6	15°	1236.0	1163.1	947.6	693.0	509.4	443.3	423.3	421.0	421.9	421.0
1363.2	17.5°	1299.4	1201.0	901.6	600.0	446.5	410.0	402.8	404.6	406.9	406.4
1448.8	20°	1368.6	1238.3	842.9	517.6	403.7	386.3	382.2	384.1	385.9	385.0
1547.7	22.5°	1447.4	1278.4	777.7	453.3	375.0	364.5	359.9	360.4	360.4	358.6
1673.0	25°	1541.8	1322.6	709.4	407.8	353.1	344.9	339.4	337.6	334.9	329.4
1825.1	27.5°	1654.3	1369.5	643.8	375.9	335.8	328.0	321.7	317.1	310.3	301.2
2007.8	30°	1780.9	1426.5	588.2	355.8	322.1	314.4	307.1	300.2	290.2	278.8
2217.9	32.5°	1929.9	1487.5	547.6	342.6	309.8	301.6	293.0	284.7	273.8	262.4
2453.9	35°	2107.6	1561.3	523.9	333.5	300.2	289.3	279.7	270.6	262.4	252.4
2710.4	37.5°	2300.3	1639.7	516.7	328.9	293.9	277.0	266.1	259.7	258.8	252.9
2987.8	40°	2511.3	1732.6	522.1	326.2	287.0	265.2	253.3	251.9	254.2	243.7
3284.4	42.5°	2734.5	1842.9	531.2	323.0	277.5	253.3	241.9	241.9	240.1	225.5
3597.9	45°	2976.0	1970.0	540.3	315.3	266.1	241.5	232.8	229.6	221.9	207.8
3913.1	47.5°	3219.3	2099.4	547.2	301.2	252.4	231.4	223.7	216.4	205.0	192.3
4222.5	50°	3450.3	2215.6	539.9	280.2	236.9	221.9	213.7	203.7	191.4	182.7
4515.5	52.5°	3656.6	2316.3	508.9	255.6	220.5	211.9	204.6	194.1	184.1	175.0
4779.7	55°	3836.2	2397.8	454.2	232.4	205.9	203.2	195.9	182.7	169.0	161.3
5041.7	57.5°	4008.4	2459.8	385.9	213.2	192.7	193.6	182.7	170.8	158.1	149.9
5394.8	60°	4237.5	2542.7	316.6	195.5	178.6	181.3	169.5	160.8	144.9	134.4
6000.3	62.5°	4603.8	2671.6	251.5	173.6	162.2	163.1	158.1	147.6	128.5	116.2
6449.0	65°	4894.5	2624.3	198.2	149.9	143.5	144.9	144.9	133.5	113.0	98.9
6473.2	67.5°	4861.7	2247.0	158.1	126.7	125.7	126.7	129.8	120.3	100.2	88.8
5980.2	70°	4478.5	1787.3	126.7	105.2	109.3	107.1	116.2	109.8	90.2	78.8
4636.2	72.5°	3654.4	1287.5	96.6	87.0	83.8	87.5	104.8	98.9	75.2	62.4
2455.7	75°	2135.4	687.0	72.0	68.8	60.6	72.9	92.9	84.3	57.4	46.0
752.7	77.5°	695.2	239.6	52.8	50.6	45.1	58.8	79.3	71.1	46.9	36.4
220.5	80°	186.3	72.4	36.0	33.3	29.2	43.7	62.9	56.5	33.7	23.7
94.8	82.5°	74.7	30.5	21.0	18.7	15.9	30.1	49.7	45.6	25.1	15.0
29.6	85°	24.1	10.0	7.7	5.9	7.3	18.7	29.6	31.0	17.8	7.7
4.6	87.5°	3.2	1.4	1.4	1.8	1.4	3.2	9.1	8.7	5.0	0.9
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°
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1048.3
924.4
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