

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: P845695

Luminaire Tested: **GLAN-SB1A-722-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845695
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-SB1A-722-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH
HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2562 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

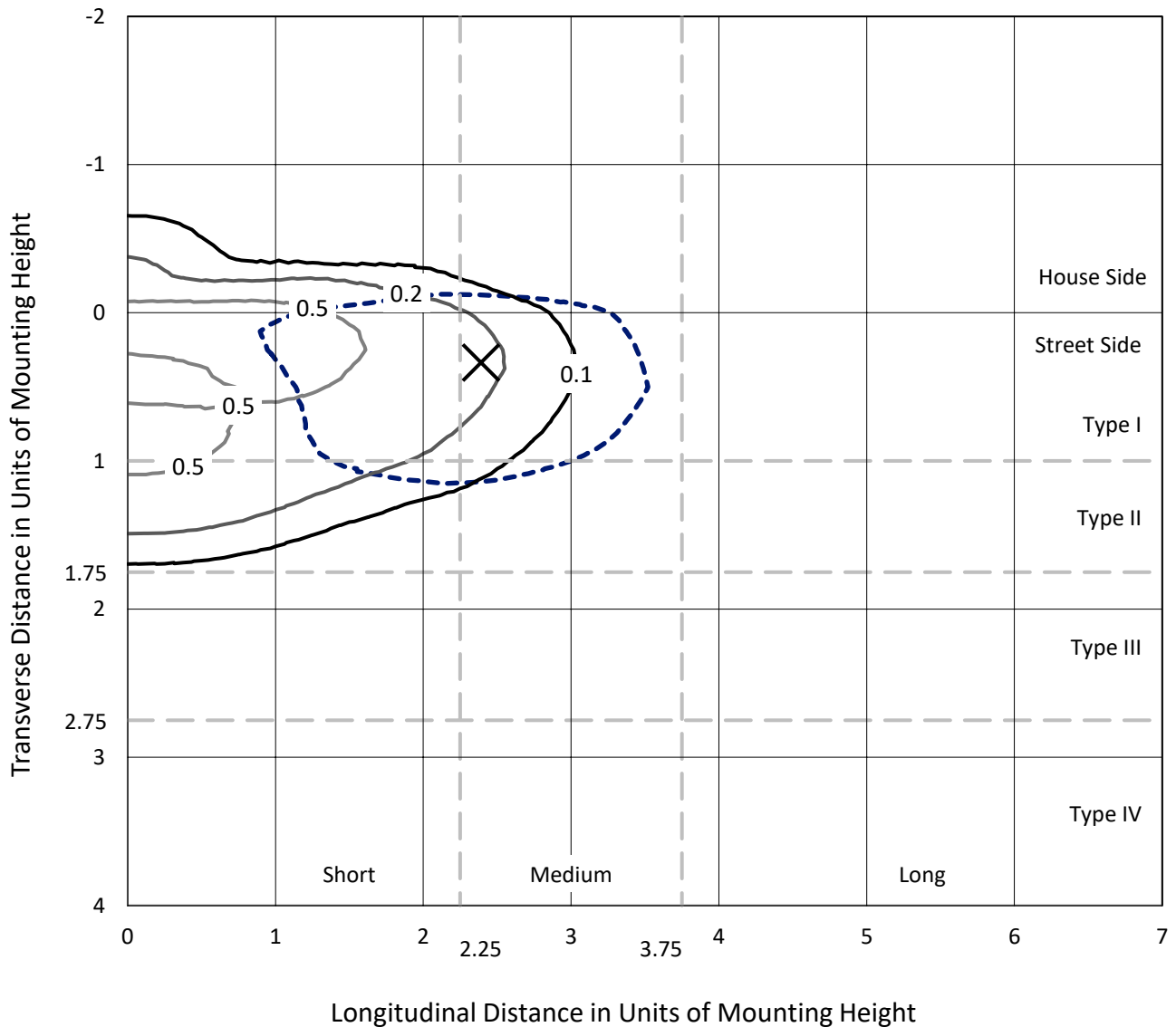
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

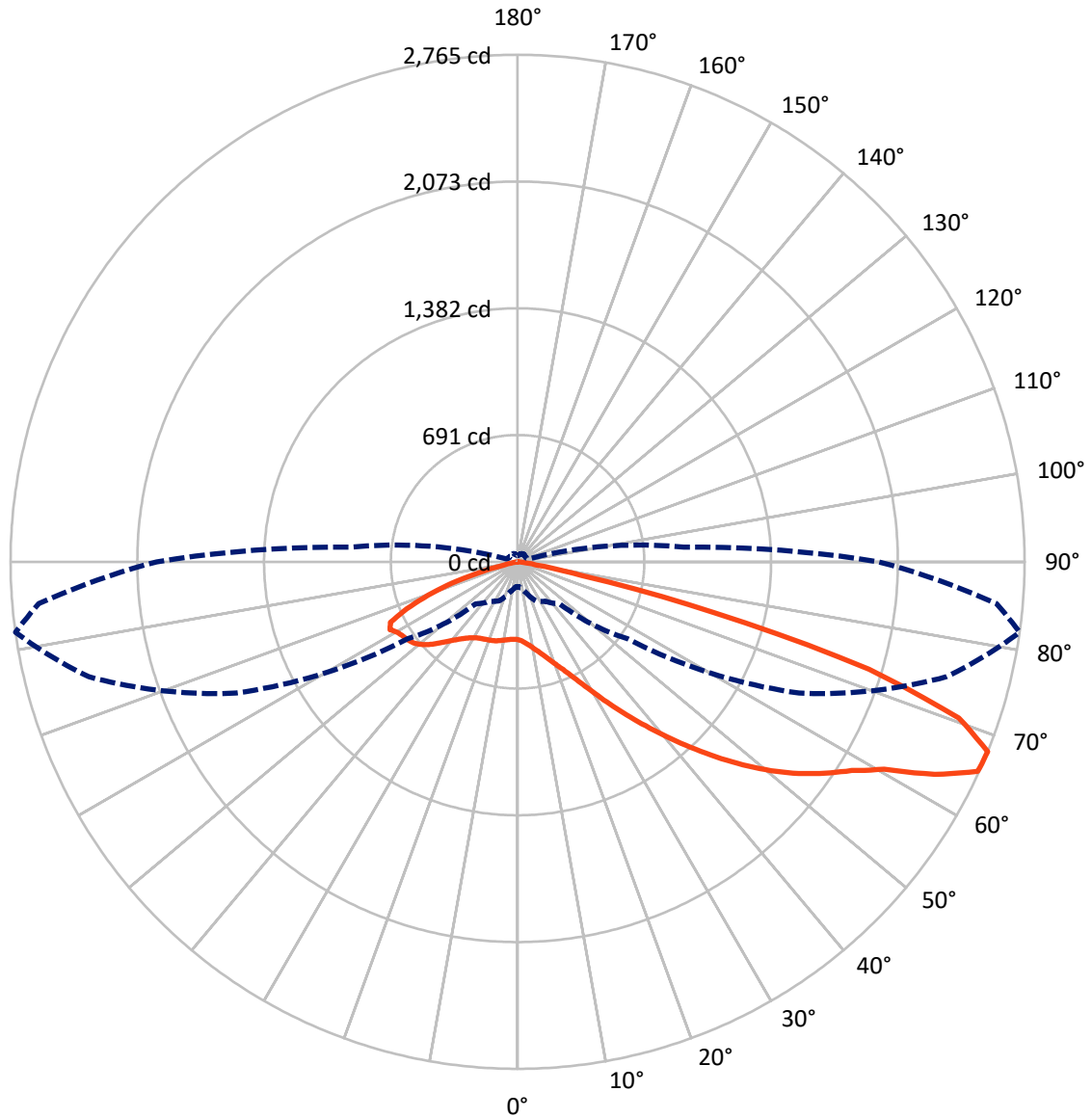
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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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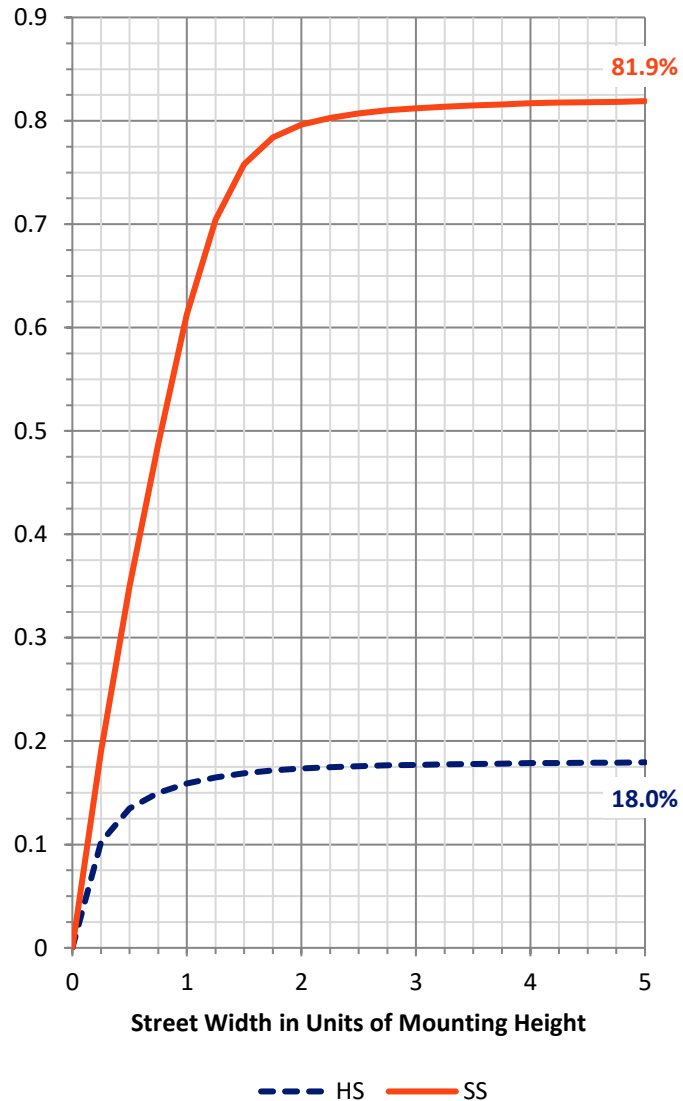
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	464.1	0.0	464.1
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	2097.9	0.0	2097.9
	% Fixture	81.9	0.0	81.9
Total	Lumens	2562.0	0.0	2562.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.8	1.5
10°-20°	98.3	3.8
20°-30°	157.4	6.1
30°-40°	278.3	10.9
40°-50°	487.6	19.0
50°-60°	650.4	25.4
60°-70°	605.4	23.6
70°-80°	232.4	9.1
80°-90°	14.4	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°	2562.0	100.0
0°-180°	2562.0	100.0

Coefficient of Utilization

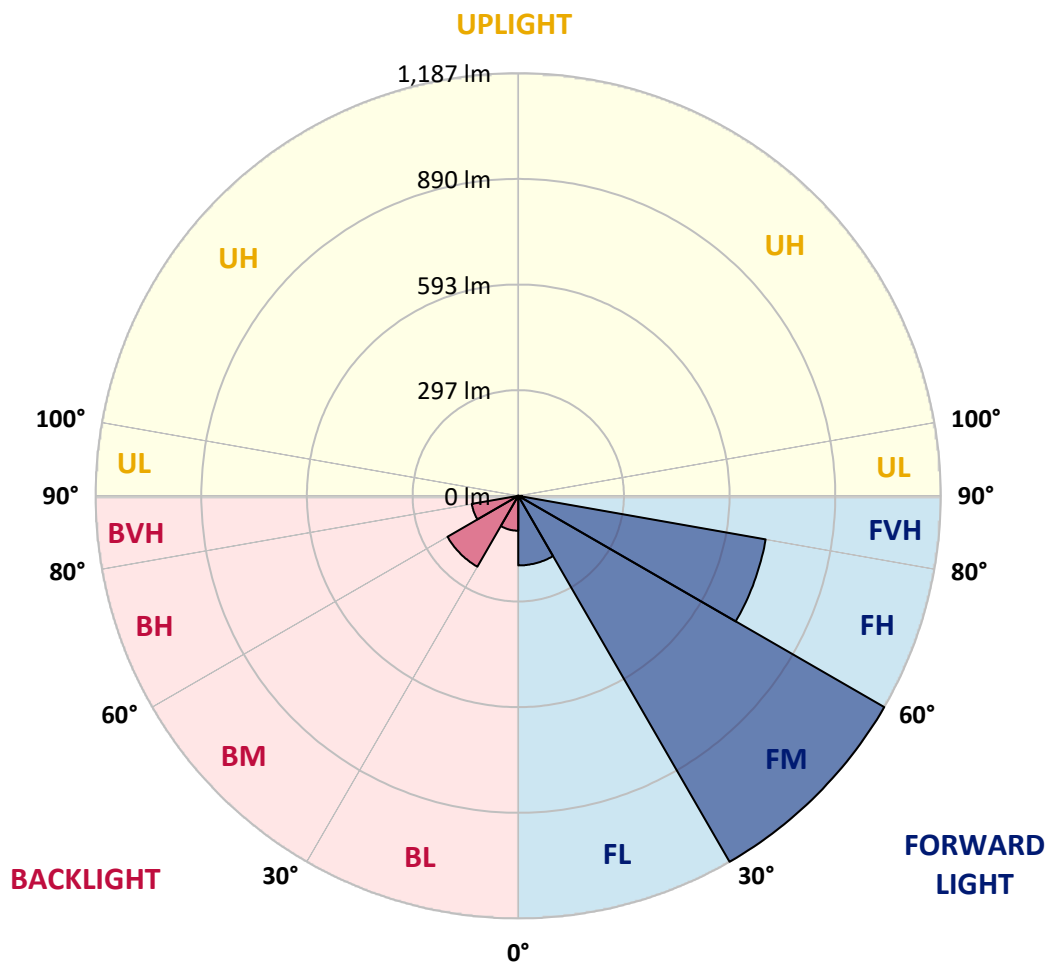


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 CATALOG NUMBER: GLAN-SB1A-722-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	195.5	7.6			
FM (30°-60°)	1186.6	46.3			
FH (60°-80°)	705.4	27.5			G1/1800
FVH (80°-90°)	10.5	0.4			G1/100
BL (0°-30°)	98.0	3.8	B0/110		
BM (30°-60°)	229.7	9.0	B1/1000		
BH (60°-80°)	132.5	5.2	B1/500		G1/500
BVH (80°-90°)	3.9	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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 CATALOG NUMBER: GLAN-SB1A-722-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	424.4	424.4	424.4	424.4	424.4	424.4	424.4	424.4	424.4	424.4
2.5°	448.6	451.2	449.7	449.0	447.7	445.8	444.4	439.7	435.0	431.8
5°	457.6	460.2	460.0	460.8	461.7	462.3	461.9	456.7	449.9	444.5
7.5°	449.9	452.8	455.2	458.9	465.4	472.2	475.5	474.4	467.4	460.0
10°	427.9	431.1	436.8	445.5	459.1	473.9	486.2	491.9	487.5	479.4
12.5°	387.7	390.9	402.1	420.9	443.8	469.4	493.1	508.4	509.5	501.4
15°	342.5	345.7	357.7	381.3	416.1	457.3	496.7	525.7	535.5	528.5
17.5°	314.5	317.3	326.3	345.3	381.6	432.9	495.5	544.1	566.5	560.9
20°	306.0	308.4	312.7	325.9	356.2	407.7	487.0	561.5	599.9	596.7
22.5°	315.1	317.3	318.6	324.5	343.5	391.0	476.3	579.2	638.6	639.0
25°	335.9	338.1	336.6	340.3	348.6	385.9	472.2	600.0	687.3	691.3
27.5°	370.2	370.4	366.9	366.7	368.0	393.6	476.5	622.4	748.7	756.3
30°	439.0	436.2	422.8	408.2	401.6	416.9	488.3	648.7	821.2	834.7
32.5°	545.1	541.0	516.3	481.4	446.4	454.3	509.5	678.8	900.2	924.5
35°	660.2	659.1	633.2	581.4	520.2	507.6	544.0	718.3	986.3	1025.0
37.5°	767.2	766.6	751.8	690.8	616.3	582.0	599.3	769.9	1078.5	1134.6
40°	864.9	866.6	851.8	797.2	722.2	677.3	674.6	833.7	1181.1	1253.9
42.5°	949.4	951.2	936.3	895.9	826.7	782.8	767.0	912.0	1281.2	1382.1
45°	1006.8	1018.2	1016.0	983.7	934.1	888.5	878.0	1010.1	1395.4	1518.1
47.5°	1023.0	1033.5	1050.1	1054.5	1024.3	979.5	992.0	1128.3	1510.9	1654.2
50°	983.0	992.8	1027.2	1073.2	1094.2	1080.4	1102.9	1255.0	1629.1	1790.0
52.5°	904.0	914.0	957.5	1030.2	1116.0	1159.5	1214.1	1379.9	1743.7	1918.5
55°	789.8	800.4	856.3	938.5	1074.5	1192.1	1306.9	1504.6	1848.6	2034.2
57.5°	634.5	642.3	700.4	815.5	970.1	1159.7	1375.3	1640.7	1947.5	2147.8
60°	413.6	420.4	487.9	616.3	797.0	1051.2	1389.0	1792.6	2078.8	2295.6
62.5°	275.0	279.6	319.7	413.9	561.3	843.0	1309.1	1913.7	2271.4	2552.7
65°	188.7	193.3	233.3	299.0	362.6	557.6	1079.4	1897.7	2445.9	2756.9
67.5°	134.7	138.5	172.5	234.4	262.5	323.9	731.7	1692.6	2420.8	2764.6
70°	96.5	98.7	126.7	182.6	208.6	194.6	406.9	1294.5	2119.6	2552.9
72.5°	67.5	68.2	88.0	139.1	168.0	142.0	193.7	863.1	1603.1	2003.8
75°	45.7	46.7	59.2	102.0	134.8	108.5	102.6	462.8	941.1	1109.1
77.5°	28.0	28.4	38.2	69.7	100.9	82.6	66.0	196.1	364.1	357.5
80°	15.9	15.9	24.3	43.3	68.8	53.3	46.3	83.4	115.3	101.3
82.5°	8.9	9.0	17.7	26.9	45.6	31.5	25.5	38.6	49.8	44.1
85°	3.7	4.1	10.9	12.7	21.8	15.7	10.3	16.2	18.4	16.4
87.5°	0.4	0.6	3.3	2.4	2.6	3.1	1.5	3.1	2.6	2.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P845695
 CATALOG NUMBER: GLAN-SB1A-722-U-T2-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
424.4	0°	424.4	424.4	424.4	424.4	424.4	424.4	424.4	424.4	424.4	424.4
430.7	2.5°	427.2	424.4	417.4	409.3	398.6	393.4	386.4	381.6	377.6	378.0
441.4	5°	435.5	428.5	412.8	393.3	368.9	351.6	333.1	320.4	310.1	307.9
456.2	7.5°	446.9	435.9	408.4	373.2	332.0	300.9	273.0	255.1	242.4	238.3
474.1	10°	461.7	445.6	402.7	347.9	288.7	249.0	219.1	205.1	196.4	193.5
495.1	12.5°	478.9	456.9	395.1	317.1	244.0	205.9	186.9	179.8	177.1	176.2
520.9	15°	500.4	470.9	383.7	280.6	206.2	179.5	171.4	170.4	170.8	170.4
551.9	17.5°	526.1	486.2	365.0	242.9	180.8	166.0	163.1	163.8	164.7	164.5
586.6	20°	554.1	501.4	341.2	209.5	163.4	156.4	154.8	155.5	156.2	155.9
626.6	22.5°	586.0	517.6	314.9	183.5	151.8	147.6	145.7	145.9	145.9	145.2
677.3	25°	624.2	535.5	287.2	165.1	143.0	139.6	137.4	136.7	135.6	133.4
738.9	27.5°	669.8	554.5	260.6	152.2	135.9	132.8	130.2	128.4	125.6	121.9
812.9	30°	721.0	577.5	238.1	144.1	130.4	127.3	124.3	121.6	117.5	112.9
897.9	32.5°	781.4	602.3	221.7	138.7	125.4	122.1	118.6	115.3	110.9	106.2
993.5	35°	853.3	632.1	212.1	135.0	121.6	117.1	113.3	109.6	106.2	102.2
1097.3	37.5°	931.3	663.9	209.2	133.2	119.0	112.2	107.7	105.1	104.8	102.4
1209.7	40°	1016.7	701.5	211.4	132.1	116.2	107.4	102.6	102.0	102.9	98.7
1329.8	42.5°	1107.1	746.1	215.1	130.8	112.3	102.6	97.9	97.9	97.2	91.3
1456.7	45°	1204.9	797.6	218.8	127.6	107.7	97.8	94.3	93.0	89.8	84.1
1584.3	47.5°	1303.4	850.0	221.5	121.9	102.2	93.7	90.6	87.6	83.0	77.8
1709.6	50°	1396.9	897.0	218.6	113.4	95.9	89.8	86.5	82.5	77.5	74.0
1828.2	52.5°	1480.5	937.8	206.0	103.5	89.3	85.8	82.8	78.6	74.5	70.8
1935.1	55°	1553.1	970.8	183.9	94.1	83.4	82.3	79.3	74.0	68.4	65.3
2041.2	57.5°	1622.9	995.9	156.2	86.3	78.0	78.4	74.0	69.2	64.0	60.7
2184.2	60°	1715.6	1029.5	128.2	79.1	72.3	73.4	68.6	65.1	58.7	54.4
2429.3	62.5°	1863.9	1081.7	101.8	70.3	65.7	66.0	64.0	59.8	52.0	47.0
2611.0	65°	1981.6	1062.5	80.2	60.7	58.1	58.7	58.7	54.0	45.7	40.0
2620.8	67.5°	1968.3	909.7	64.0	51.3	50.9	51.3	52.6	48.7	40.6	36.0
2421.2	70°	1813.2	723.6	51.3	42.6	44.3	43.3	47.0	44.5	36.5	31.9
1877.0	72.5°	1479.5	521.3	39.1	35.2	33.9	35.4	42.4	40.0	30.4	25.3
994.2	75°	864.6	278.2	29.1	27.9	24.5	29.5	37.6	34.1	23.2	18.6
304.7	77.5°	281.5	97.0	21.4	20.5	18.3	23.8	32.1	28.8	19.0	14.8
89.3	80°	75.4	29.3	14.6	13.5	11.8	17.7	25.5	22.9	13.6	9.6
38.4	82.5°	30.3	12.4	8.5	7.6	6.5	12.2	20.1	18.4	10.1	6.1
12.0	85°	9.8	4.1	3.1	2.4	3.0	7.6	12.0	12.5	7.2	3.1
1.8	87.5°	1.3	0.6	0.6	0.7	0.6	1.3	3.7	3.5	2.0	0.4
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°
424.4
374.3
302.9
234.3
191.3
175.6
170.3
164.2
155.7
144.8
133.0
121.6
112.5
106.4
101.8
102.2
98.9
91.3
83.9
77.7
73.4
70.5
64.9
60.3
53.9
46.7
39.5
35.2
31.4
24.7
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