

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: P846163

Luminaire Tested: **GLAN-SB1C-930-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846163
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1C-930-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 3000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5010 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

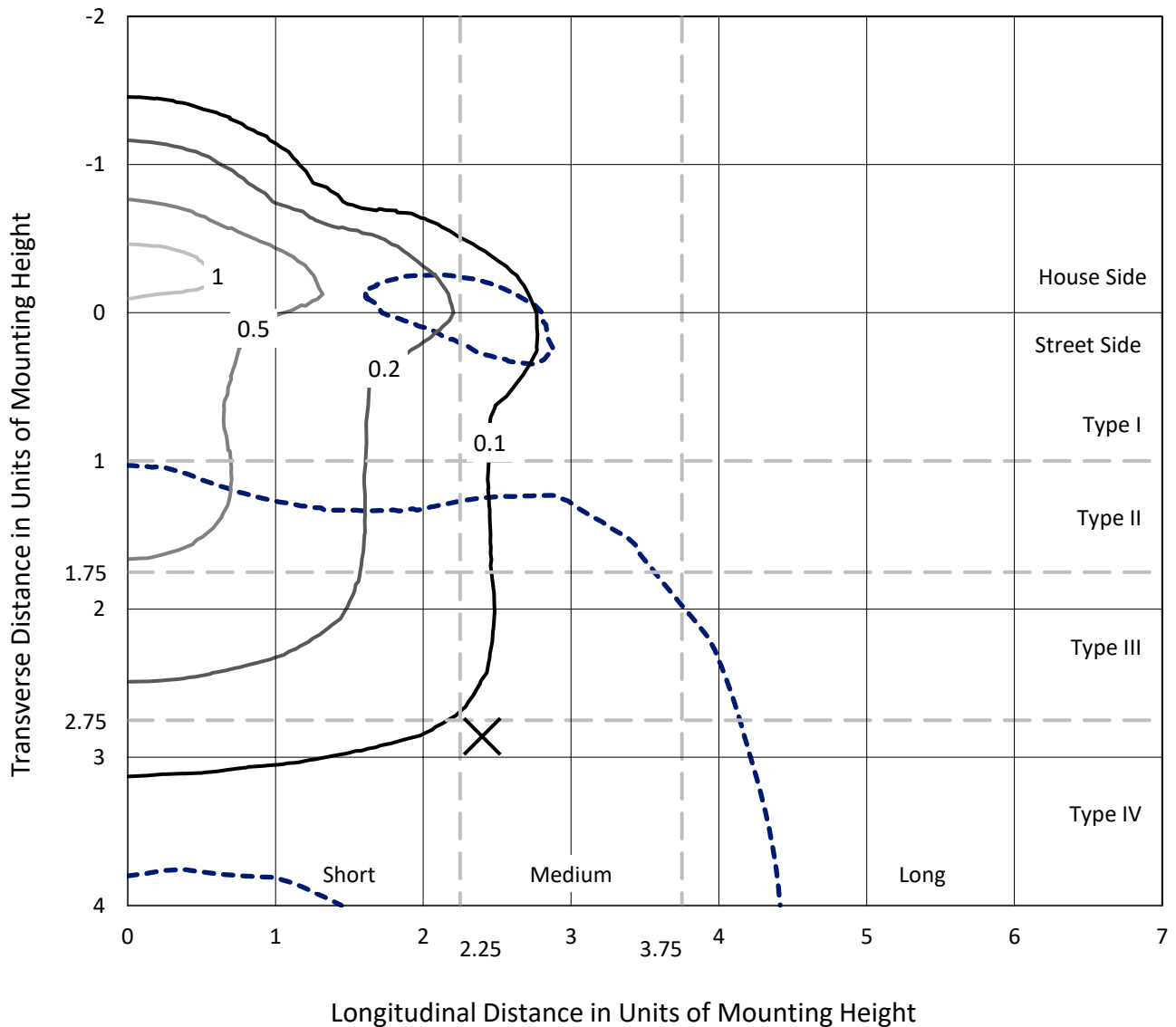
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

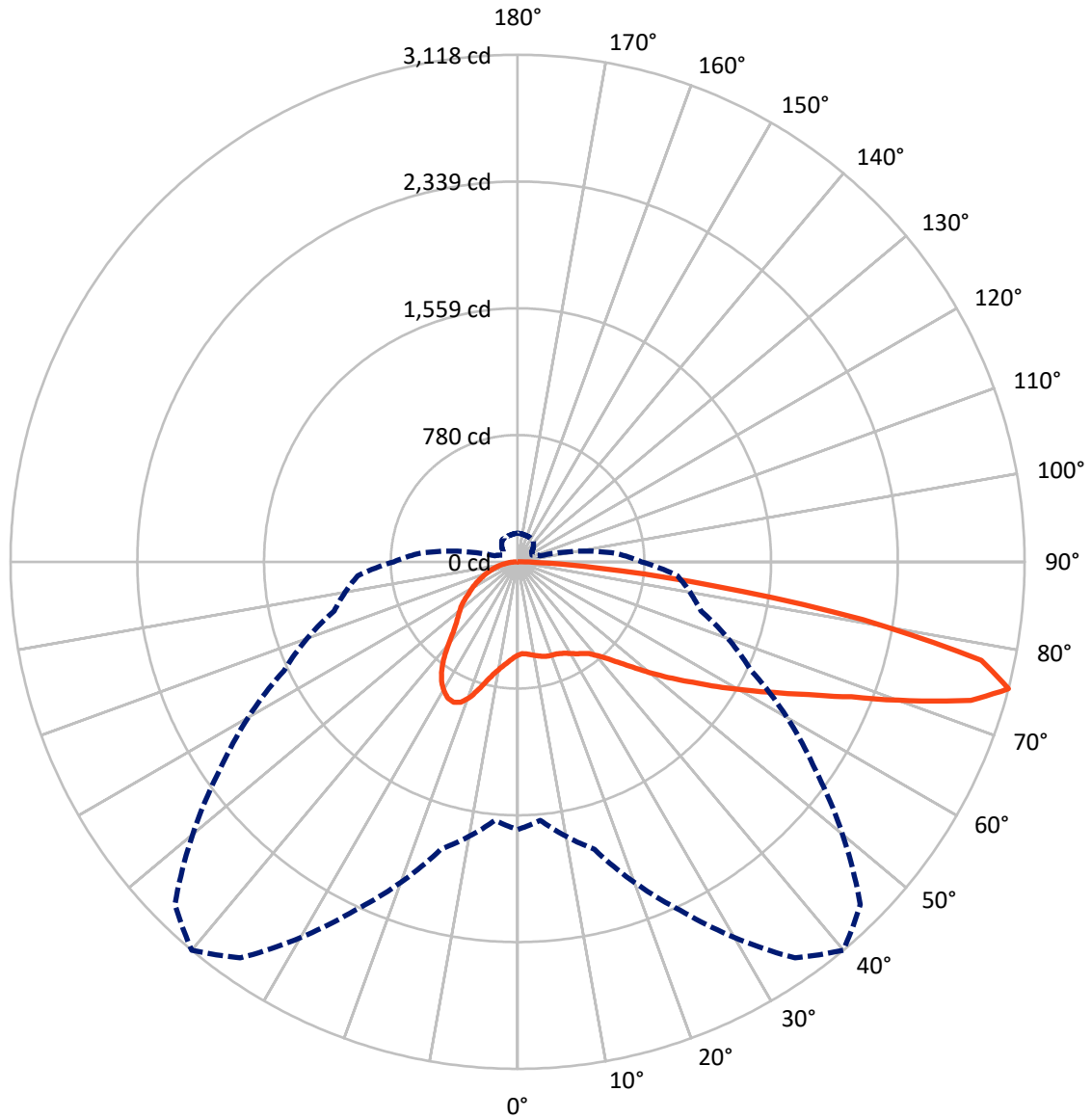
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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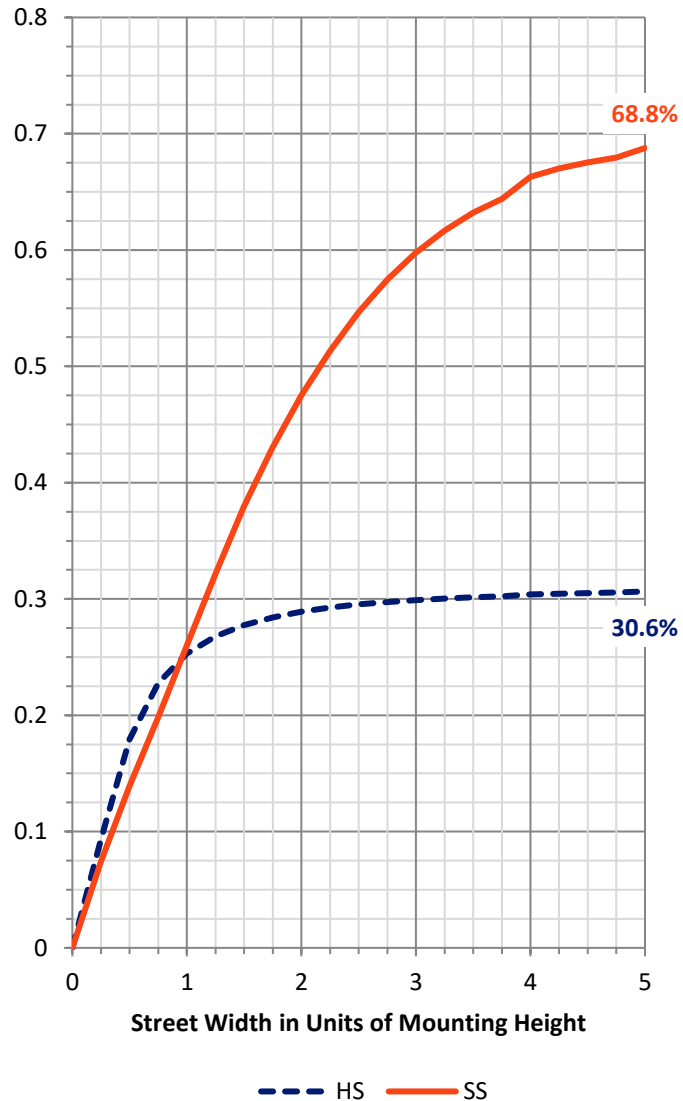
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1552.3	0.0	1552.3
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	3457.7	0.0	3457.7
	% Fixture	69.0	0.0	69.0
Total	Lumens	5010.0	0.0	5010.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.2	1.1
10°-20°	192.0	3.8
20°-30°	350.6	7.0
30°-40°	497.2	9.9
40°-50°	671.4	13.4
50°-60°	903.2	18.0
60°-70°	1146.4	22.9
70°-80°	1040.4	20.8
80°-90°	151.7	3.0
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°	5010.0	100.0
0°-180°	5010.0	100.0

Coefficient of Utilization

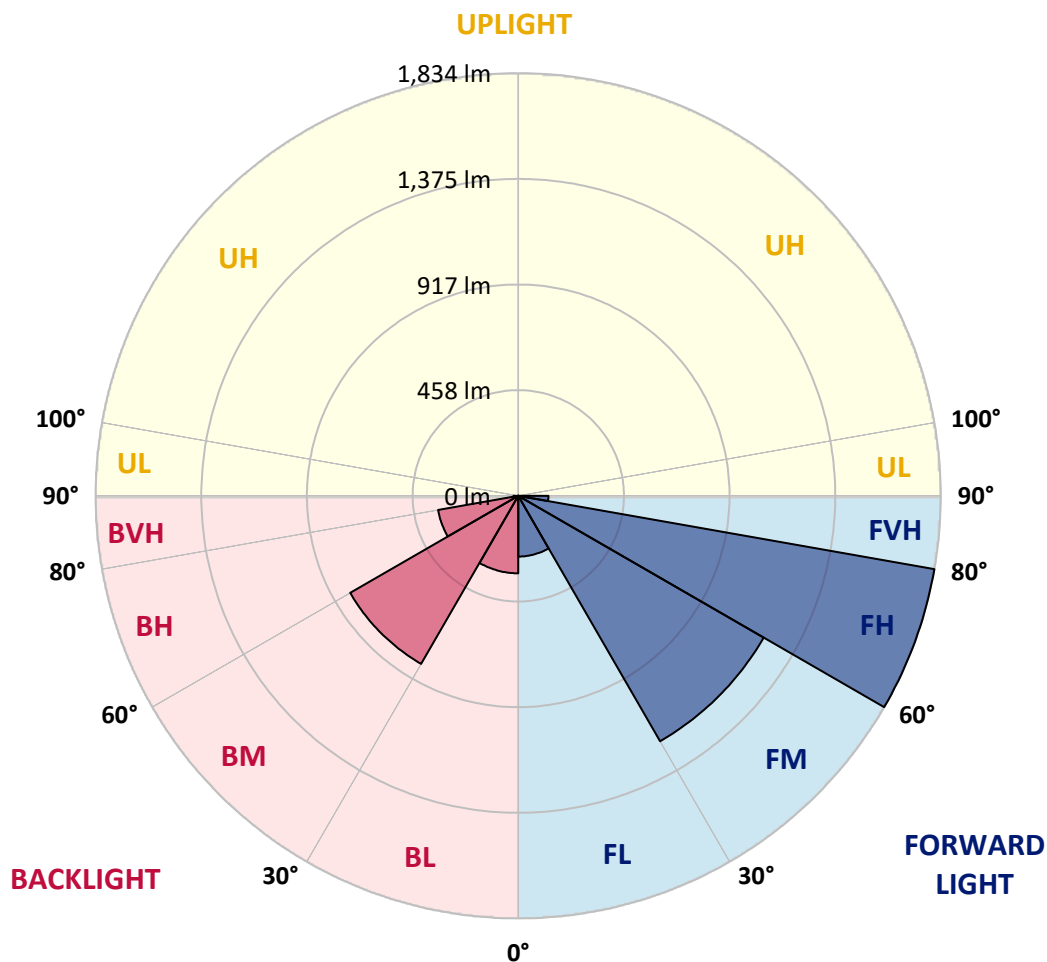


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	263.5	5.3			
FM (30°-60°)	1229.8	24.5			
FH (60°-80°)	1833.6	36.6			G2/5000
FVH (80°-90°)	130.8	2.6			G2/225
BL (0°-30°)	336.2	6.7	B1/500		
BM (30°-60°)	842.0	16.8	B1/1000		
BH (60°-80°)	353.2	7.0	B1/500		G1/500
BVH (80°-90°)	20.9	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	572.9	572.9	572.9	572.9	572.9	572.9	572.9	572.9	572.9	572.9
2.5°	564.1	567.3	566.5	565.5	565.5	565.5	565.5	567.3	569.2	571.0
5°	570.0	573.2	571.6	570.2	569.2	568.9	568.1	567.9	568.9	571.3
7.5°	581.4	584.6	582.2	579.8	577.7	576.6	575.6	574.0	573.2	574.5
10°	594.2	597.3	594.4	590.2	586.7	585.4	584.3	582.7	581.7	582.5
12.5°	606.9	610.1	606.1	600.3	595.8	595.0	593.6	593.1	592.8	592.6
15°	618.9	621.5	616.5	609.6	604.8	603.5	602.1	602.9	604.3	605.8
17.5°	628.2	630.8	623.4	614.4	609.8	609.3	608.5	611.2	614.9	618.9
20°	636.7	639.3	629.8	617.5	612.2	612.2	612.5	618.1	623.4	629.2
22.5°	648.6	650.8	639.1	622.3	614.6	615.2	617.3	622.9	629.5	637.5
25°	666.4	668.0	653.7	631.4	622.6	624.2	626.0	628.7	635.1	644.4
27.5°	695.1	696.5	677.6	647.3	634.0	636.7	639.3	637.5	640.4	648.4
30°	735.5	736.3	712.4	672.3	653.4	654.7	655.3	647.6	642.0	648.4
32.5°	783.4	783.1	754.7	702.6	675.5	674.1	669.6	654.5	641.5	647.0
35°	857.5	854.6	817.9	745.1	700.4	692.2	681.6	662.2	644.1	645.7
37.5°	980.3	971.2	920.5	814.7	737.6	716.7	701.0	674.7	650.0	645.2
40°	1118.7	1107.3	1051.5	910.1	793.5	759.7	734.5	692.5	659.5	647.6
42.5°	1282.9	1266.7	1206.7	1022.5	864.1	815.2	777.2	715.1	673.6	655.3
45°	1484.6	1463.1	1378.0	1149.3	953.2	888.0	837.3	749.3	695.1	670.2
47.5°	1688.4	1693.7	1572.8	1294.3	1060.0	977.9	912.5	800.9	726.5	694.1
50°	1905.0	1908.7	1766.5	1455.1	1181.1	1079.4	997.0	858.6	770.1	728.1
52.5°	2074.0	2074.5	1942.4	1623.3	1307.4	1191.0	1088.1	924.5	820.6	773.3
55°	2179.7	2178.4	2065.7	1782.5	1452.4	1308.2	1189.1	999.4	882.2	826.4
57.5°	2256.5	2252.5	2150.8	1919.3	1607.1	1446.6	1303.4	1084.4	955.0	889.6
60°	2285.8	2283.4	2208.4	2037.6	1769.7	1599.7	1435.2	1179.5	1037.7	964.3
62.5°	2296.9	2301.4	2265.0	2152.1	1943.8	1769.2	1580.0	1293.3	1130.7	1048.8
65°	2336.2	2344.5	2337.0	2302.0	2140.4	1967.7	1772.1	1428.5	1232.2	1139.4
67.5°	2414.1	2422.3	2425.5	2481.3	2380.6	2215.1	2011.8	1597.0	1350.9	1233.5
70°	2412.2	2409.8	2466.2	2624.0	2681.4	2557.6	2334.9	1804.3	1492.6	1311.6
72.5°	2195.7	2176.5	2309.7	2622.4	2931.7	2915.3	2729.5	2071.6	1614.8	1321.2
75°	1647.2	1596.2	1831.4	2363.3	2973.4	3118.3	2980.4	2237.4	1585.8	1167.3
77.5°	704.4	653.1	930.3	1749.5	2661.2	2915.0	2750.2	1952.0	1265.9	771.9
80°	184.4	184.1	281.1	793.2	1809.8	2152.6	1888.5	1260.6	723.3	275.8
82.5°	76.3	74.4	103.4	308.5	884.3	1208.0	985.8	562.3	261.2	74.7
85°	28.4	28.2	50.2	106.6	312.0	498.2	360.6	143.8	65.1	36.4
87.5°	8.0	7.7	10.9	36.9	76.0	115.3	61.6	23.6	18.3	14.3
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°
572.9	0°	572.9	572.9	572.9	572.9	572.9	572.9	572.9	572.9	572.9	572.9
574.0	2.5°	574.8	576.1	578.5	580.3	582.7	585.4	589.1	591.5	593.9	595.5
575.3	5°	577.2	580.1	586.2	592.3	599.5	606.1	613.8	619.4	623.9	625.2
580.1	7.5°	582.5	587.2	597.6	608.0	619.4	630.3	641.5	651.0	658.7	661.7
588.6	10°	591.8	598.1	612.8	627.4	642.5	659.3	673.6	687.4	698.3	702.8
598.7	12.5°	603.5	611.4	630.6	650.8	671.7	694.9	713.5	730.5	744.0	750.1
612.8	15°	618.6	629.0	653.4	680.5	711.3	743.5	767.1	786.0	801.2	808.6
627.4	17.5°	635.1	648.9	679.7	720.6	764.8	807.0	834.6	848.5	864.1	871.3
640.9	20°	651.0	668.0	712.1	771.7	830.4	875.3	897.6	901.3	902.4	903.2
653.7	22.5°	667.5	690.4	752.8	836.0	898.9	930.0	933.2	917.3	895.0	884.6
666.2	25°	685.6	715.9	805.9	906.9	957.9	961.7	937.2	898.4	856.2	836.8
676.3	27.5°	703.1	745.4	869.7	974.7	1000.4	967.8	915.2	860.1	809.1	788.7
683.4	30°	720.6	779.1	940.1	1033.9	1019.8	952.6	880.3	819.0	767.7	746.2
689.8	32.5°	738.4	818.4	1021.2	1076.7	1016.4	920.5	837.0	772.7	727.6	705.0
695.4	35°	758.6	866.8	1098.0	1100.1	993.3	873.2	779.9	717.5	678.1	660.1
702.0	37.5°	784.9	928.2	1165.7	1105.9	952.9	803.8	709.0	652.1	619.7	611.4
711.9	40°	817.6	1002.0	1217.5	1096.6	893.1	719.6	631.4	585.9	567.6	569.4
725.2	42.5°	860.1	1084.7	1253.9	1072.7	809.9	632.7	563.3	543.1	551.9	559.3
745.1	45°	915.4	1170.5	1276.5	1032.1	715.9	559.1	523.2	528.0	534.6	535.4
777.2	47.5°	986.1	1257.4	1291.4	970.7	619.9	507.3	497.7	498.8	497.4	491.9
825.3	50°	1074.3	1341.9	1304.7	889.4	538.4	474.8	462.1	458.4	440.0	422.0
889.4	52.5°	1174.8	1419.5	1310.3	788.4	474.8	447.7	427.0	403.6	369.4	363.8
969.9	55°	1286.4	1491.2	1295.9	664.3	421.4	412.9	381.6	353.4	349.7	344.9
1075.9	57.5°	1419.8	1568.6	1266.7	525.9	366.7	372.3	341.7	344.9	338.3	330.8
1212.2	60°	1565.6	1648.5	1215.4	399.6	310.1	321.5	331.4	331.1	329.2	323.1
1356.0	62.5°	1696.9	1701.2	1114.4	306.1	260.4	282.2	309.0	308.8	307.2	303.7
1506.1	65°	1775.0	1693.2	946.0	241.0	219.5	249.8	278.7	280.9	281.1	280.9
1619.1	67.5°	1761.2	1599.9	714.8	191.9	185.7	216.8	248.7	251.6	253.8	254.3
1633.4	70°	1605.0	1395.0	466.1	153.1	155.7	187.9	220.3	223.2	225.1	227.2
1417.4	72.5°	1251.0	1025.7	266.8	123.8	129.4	162.9	192.1	195.6	196.6	200.6
986.4	75°	762.4	603.2	144.0	97.5	106.3	139.2	164.2	168.2	170.1	174.8
484.4	77.5°	362.4	261.2	82.1	76.0	85.6	113.7	138.7	143.2	138.2	140.8
133.7	80°	122.5	97.0	51.8	57.9	65.4	88.8	111.1	115.6	105.0	104.4
44.4	82.5°	42.8	39.3	32.9	38.5	42.3	63.5	84.0	89.8	78.1	77.9
19.9	85°	16.7	15.9	18.3	21.0	25.2	39.1	55.3	58.2	48.1	38.8
5.8	87.5°	3.5	3.7	4.5	4.8	7.7	13.6	19.9	24.4	19.4	16.5
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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572.9
594.4
625.8
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808.1
871.0
905.3
887.5
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748.5
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617.3
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