

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: McGRAW-EDISON

Report Number: P938844

Luminaire Tested: **GALN-SB1A-930-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938844
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1A-930-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 3000K, 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: 2279 lumens
Efficiency: N/A
Efficacy: 73.8 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

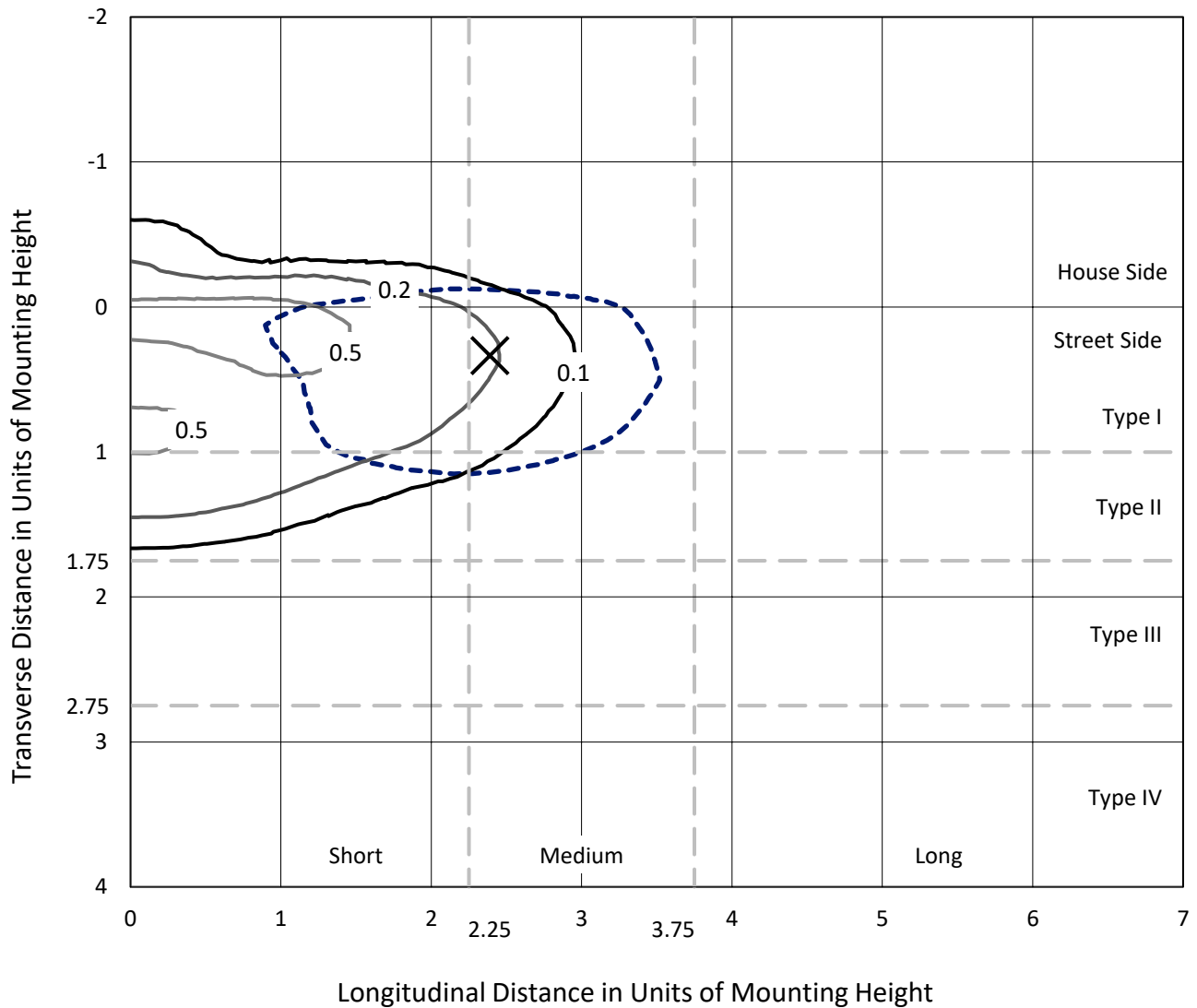
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

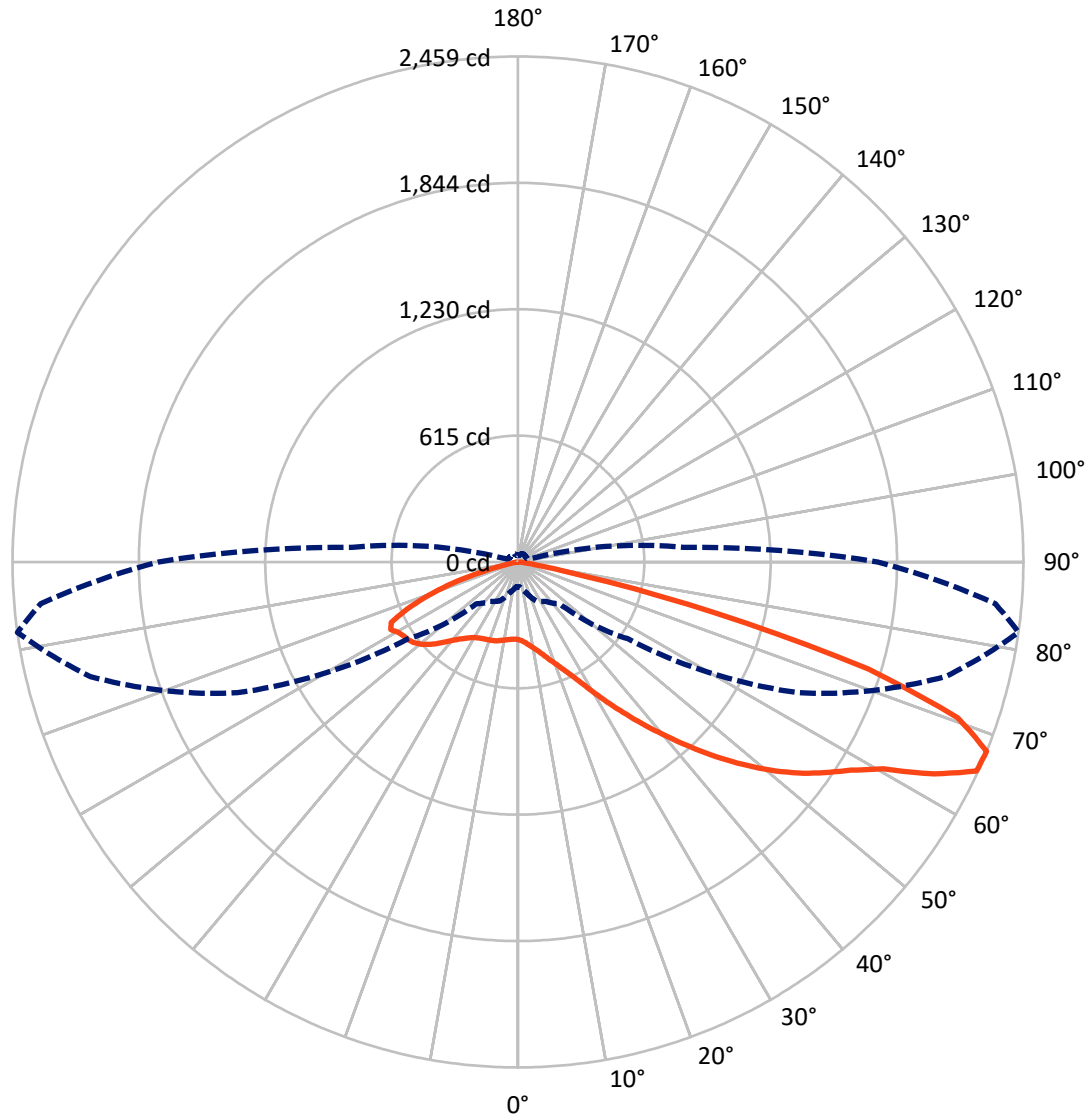
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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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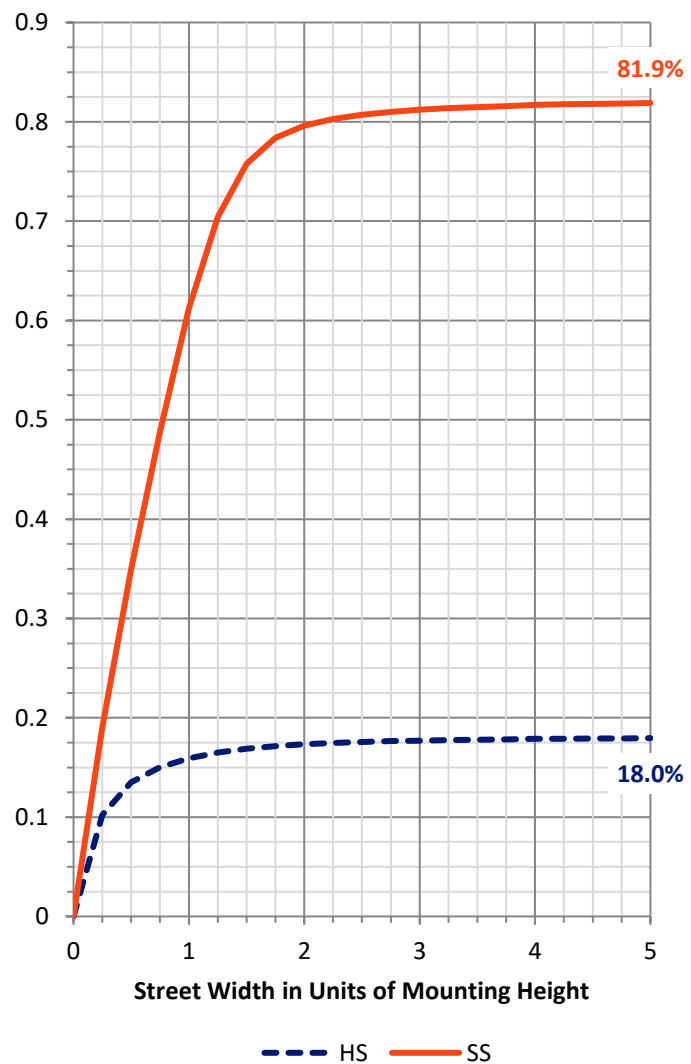
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	412.8	0.0	412.8
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	1866.2	0.0	1866.2
	% Fixture	81.9	0.0	81.9
Total	Lumens	2279.0	0.0	2279.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.6	1.5
10°-20°	87.4	3.8
20°-30°	140.0	6.1
30°-40°	247.6	10.9
40°-50°	433.8	19.0
50°-60°	578.5	25.4
60°-70°	538.6	23.6
70°-80°	206.7	9.1
80°-90°	12.8	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°	2279.0	100.0
0°-180°	2279.0	100.0

Coefficient of Utilization



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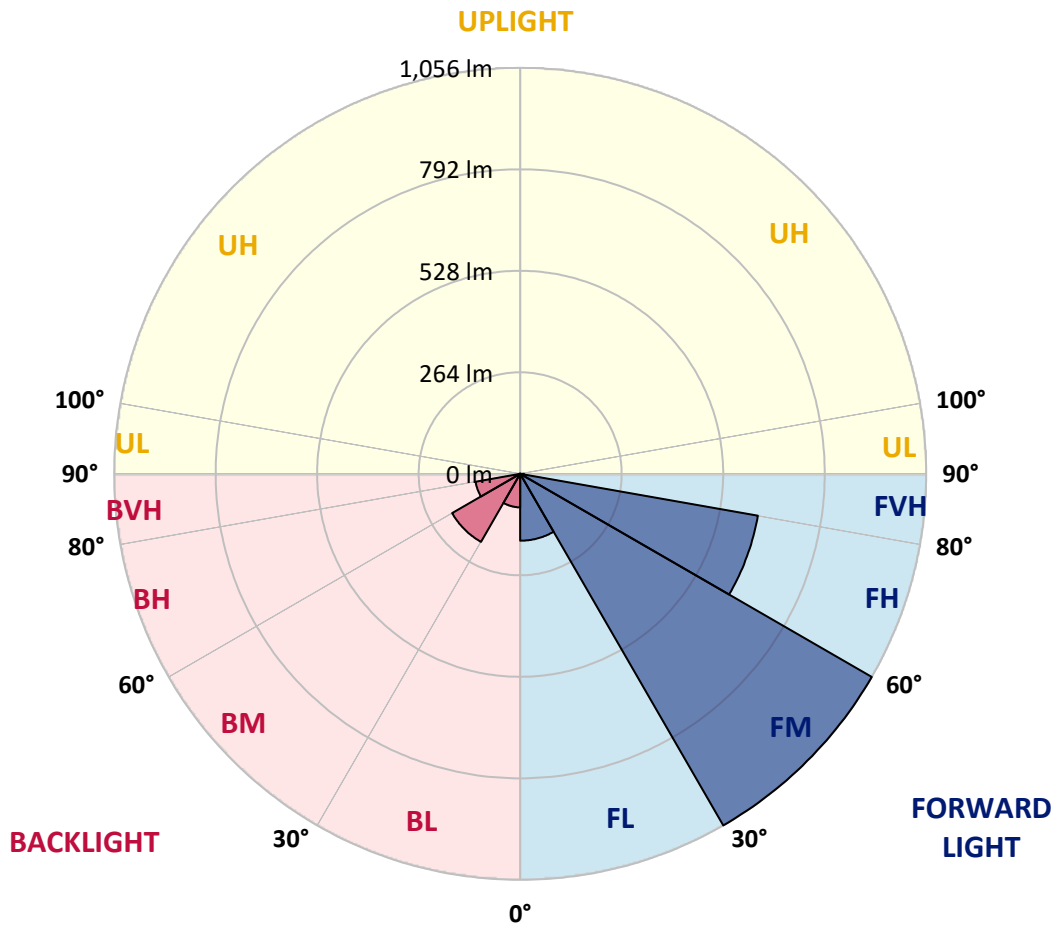
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	173.9	7.6			
FM (30°-60°)	1055.5	46.3			
FH (60°-80°)	627.4	27.5			G0/660
FVH (80°-90°)	9.3	0.4			G0/10
BL (0°-30°)	87.2	3.8	B0/110		
BM (30°-60°)	204.3	9.0	B0/220		
BH (60°-80°)	117.8	5.2	B1/500		G1/500
BVH (80°-90°)	3.5	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°	377.6	377.6	377.6	377.6	377.6	377.6	377.6	377.6	377.6	377.6
2.5°	399.0	401.3	400.0	399.4	398.2	396.6	395.3	391.2	386.9	384.1
5°	407.1	409.4	409.2	409.9	410.7	411.2	410.9	406.3	400.2	395.4
7.5°	400.2	402.8	405.0	408.2	414.0	420.1	423.0	422.0	415.8	409.2
10°	380.7	383.5	388.5	396.3	408.4	421.5	432.5	437.6	433.7	426.4
12.5°	344.9	347.7	357.7	374.4	394.8	417.6	438.6	452.2	453.2	446.0
15°	304.7	307.5	318.2	339.2	370.2	406.8	441.9	467.6	476.3	470.1
17.5°	279.8	282.2	290.3	307.2	339.5	385.1	440.7	484.0	503.9	499.0
20°	272.2	274.3	278.1	289.9	316.8	362.6	433.2	499.5	533.6	530.8
22.5°	280.3	282.2	283.4	288.6	305.5	347.9	423.7	515.2	568.1	568.4
25°	298.8	300.8	299.5	302.7	310.1	343.3	420.1	533.8	611.4	615.0
27.5°	329.3	329.5	326.4	326.2	327.3	350.2	423.8	553.6	666.0	672.7
30°	390.5	388.1	376.1	363.1	357.2	370.8	434.3	577.1	730.5	742.5
32.5°	484.9	481.3	459.3	428.3	397.1	404.1	453.2	603.8	800.7	822.4
35°	587.3	586.3	563.3	517.2	462.7	451.6	483.9	638.9	877.3	911.8
37.5°	682.4	681.9	668.8	614.5	548.2	517.7	533.1	684.9	959.4	1009.3
40°	769.4	770.9	757.7	709.2	642.4	602.5	600.0	741.7	1050.6	1115.4
42.5°	844.5	846.2	832.9	796.9	735.4	696.4	682.3	811.2	1139.7	1229.5
45°	895.6	905.7	903.8	875.1	830.9	790.4	781.0	898.5	1241.3	1350.4
47.5°	910.0	919.4	934.1	938.1	911.1	871.3	882.4	1003.7	1344.0	1471.5
50°	874.4	883.1	913.8	954.6	973.3	961.0	981.0	1116.4	1449.2	1592.3
52.5°	804.2	813.0	851.8	916.4	992.7	1031.4	1080.0	1227.5	1551.1	1706.6
55°	702.6	712.0	761.7	834.9	955.8	1060.5	1162.5	1338.4	1644.4	1809.5
57.5°	564.4	571.3	623.0	725.4	862.9	1031.6	1223.4	1459.5	1732.4	1910.6
60°	367.9	373.9	434.0	548.2	709.0	935.1	1235.5	1594.6	1849.2	2042.0
62.5°	244.6	248.7	284.4	368.2	499.3	749.9	1164.5	1702.4	2020.5	2270.7
65°	167.9	172.0	207.6	266.0	322.6	496.0	960.2	1688.1	2175.7	2452.4
67.5°	119.8	123.2	153.4	208.5	233.5	288.1	650.9	1505.6	2153.4	2459.3
70°	85.8	87.8	112.7	162.4	185.6	173.1	362.0	1151.5	1885.5	2270.9
72.5°	60.1	60.7	78.3	123.7	149.5	126.3	172.3	767.7	1426.0	1782.4
75°	40.7	41.5	52.7	90.7	119.9	96.5	91.2	411.7	837.1	986.6
77.5°	24.9	25.3	34.0	62.0	89.8	73.5	58.7	174.4	323.9	318.0
80°	14.1	14.1	21.7	38.6	61.2	47.4	41.2	74.2	102.6	90.1
82.5°	7.9	8.0	15.8	24.0	40.5	28.1	22.6	34.3	44.3	39.2
85°	3.3	3.6	9.7	11.3	19.4	13.9	9.2	14.4	16.4	14.6
87.5°	0.3	0.5	3.0	2.1	2.3	2.8	1.3	2.8	2.3	2.3
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°
377.6	0°	377.6	377.6	377.6	377.6	377.6	377.6	377.6	377.6	377.6	377.6
383.1	2.5°	380.0	377.6	371.3	364.1	354.6	350.0	343.8	339.5	335.9	336.2
392.6	5°	387.4	381.2	367.2	349.8	328.2	312.7	296.3	285.0	275.8	273.9
405.8	7.5°	397.6	387.7	363.3	331.9	295.3	267.6	242.8	226.9	215.6	212.0
421.7	10°	410.7	396.4	358.2	309.5	256.8	221.5	194.9	182.5	174.7	172.1
440.4	12.5°	426.0	406.4	351.5	282.1	217.1	183.1	166.2	160.0	157.5	156.7
463.4	15°	445.2	418.9	341.3	249.6	183.4	159.7	152.4	151.6	151.9	151.6
490.9	17.5°	468.0	432.5	324.7	216.1	160.8	147.7	145.0	145.7	146.5	146.4
521.8	20°	492.9	446.0	303.6	186.4	145.4	139.1	137.7	138.3	139.0	138.6
557.4	22.5°	521.3	460.4	280.1	163.3	135.0	131.3	129.6	129.8	129.8	129.1
602.5	25°	555.3	476.3	255.5	146.9	127.2	124.2	122.2	121.6	120.6	118.6
657.3	27.5°	595.8	493.2	231.8	135.4	120.9	118.1	115.8	114.2	111.7	108.5
723.1	30°	641.4	513.7	211.8	128.1	116.0	113.2	110.6	108.1	104.5	100.4
798.8	32.5°	695.1	535.7	197.2	123.4	111.6	108.6	105.5	102.6	98.6	94.5
883.7	35°	759.0	562.3	188.7	120.1	108.1	104.2	100.7	97.5	94.5	90.9
976.1	37.5°	828.5	590.5	186.1	118.5	105.8	99.8	95.8	93.5	93.2	91.1
1076.1	40°	904.4	624.0	188.0	117.5	103.4	95.5	91.2	90.7	91.6	87.8
1182.9	42.5°	984.8	663.7	191.3	116.3	99.9	91.2	87.1	87.1	86.5	81.2
1295.8	45°	1071.8	709.5	194.6	113.5	95.8	87.0	83.8	82.7	79.9	74.8
1409.3	47.5°	1159.4	756.1	197.1	108.5	90.9	83.4	80.6	77.9	73.8	69.2
1520.7	50°	1242.6	797.9	194.4	100.9	85.3	79.9	77.0	73.3	68.9	65.8
1626.2	52.5°	1316.9	834.2	183.3	92.1	79.4	76.3	73.7	69.9	66.3	63.0
1721.4	55°	1381.6	863.6	163.6	83.7	74.2	73.2	70.6	65.8	60.9	58.1
1815.7	57.5°	1443.6	885.9	139.0	76.8	69.4	69.7	65.8	61.5	56.9	54.0
1942.9	60°	1526.1	915.7	114.0	70.4	64.3	65.3	61.0	57.9	52.2	48.4
2161.0	62.5°	1658.1	962.2	90.6	62.5	58.4	58.7	56.9	53.2	46.3	41.8
2322.6	65°	1762.7	945.1	71.4	54.0	51.7	52.2	52.2	48.1	40.7	35.6
2331.3	67.5°	1750.9	809.3	56.9	45.6	45.3	45.6	46.8	43.3	36.1	32.0
2153.7	70°	1612.9	643.7	45.6	37.9	39.4	38.6	41.8	39.5	32.5	28.4
1669.7	72.5°	1316.1	463.7	34.8	31.3	30.2	31.5	37.7	35.6	27.1	22.5
884.4	75°	769.1	247.4	25.9	24.8	21.8	26.3	33.5	30.4	20.7	16.6
271.1	77.5°	250.4	86.3	19.0	18.2	16.2	21.2	28.6	25.6	16.9	13.1
79.4	80°	67.1	26.1	13.0	12.0	10.5	15.8	22.6	20.3	12.1	8.5
34.1	82.5°	26.9	11.0	7.5	6.7	5.7	10.8	17.9	16.4	9.0	5.4
10.7	85°	8.7	3.6	2.8	2.1	2.6	6.7	10.7	11.2	6.4	2.8
1.6	87.5°	1.1	0.5	0.5	0.7	0.5	1.1	3.3	3.1	1.8	0.3
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

<u>180°</u>
377.6
332.9
269.4
208.4
170.2
156.2
151.4
146.0
138.5
128.8
118.3
108.1
100.1
94.7
90.6
90.9
87.9
81.2
74.7
69.1
65.3
62.7
57.8
53.7
47.9
41.5
35.1
31.3
27.9
22.0
16.1
12.6
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5.4
2.1
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