

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: P940536

Luminaire Tested: **GALN-SB3C-927-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940536
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-927-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10727 lumens
Efficiency: N/A
Efficacy: 71.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

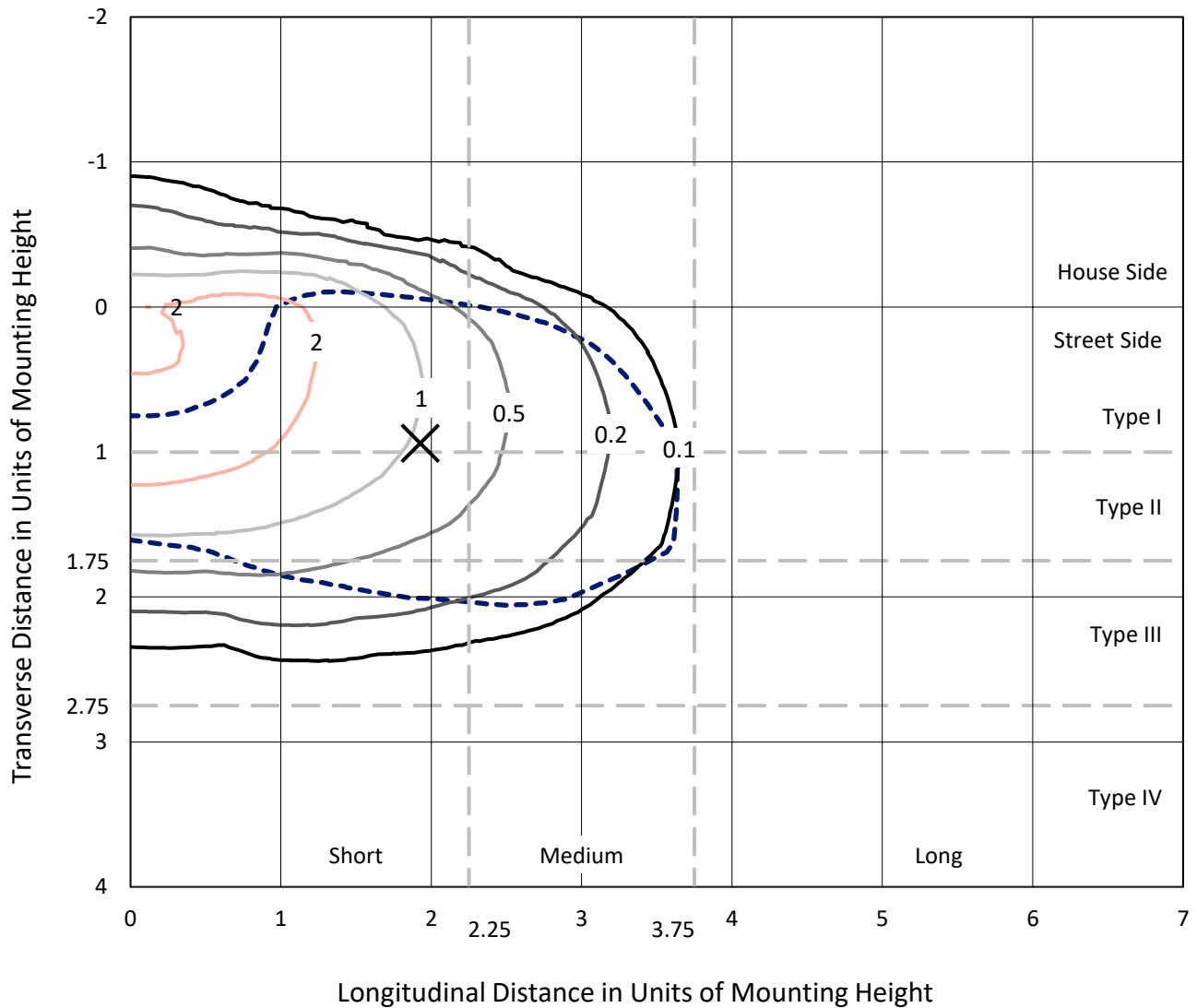
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

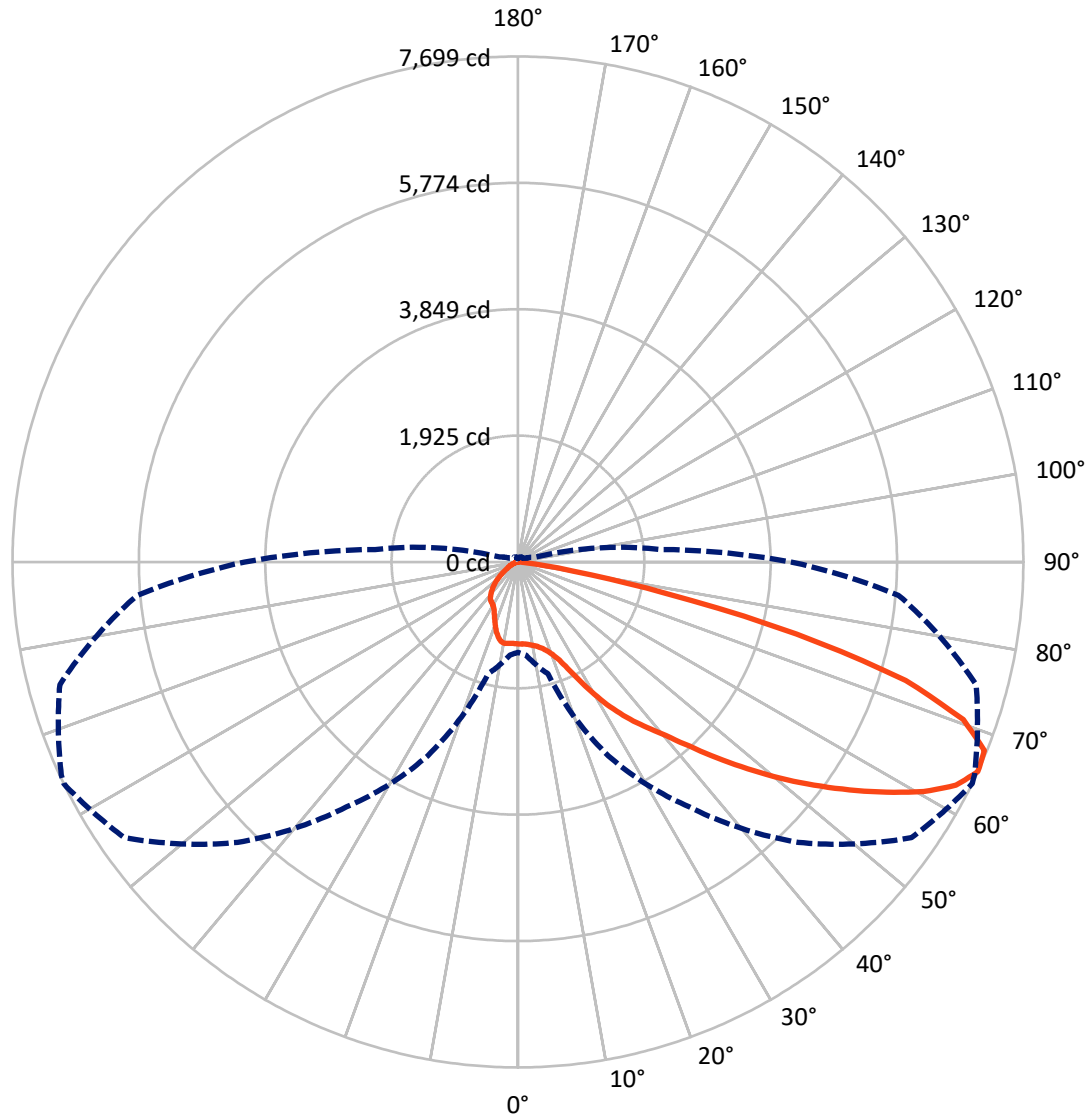
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type III - Short - N/A

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CATALOG NUMBER: GALN-SB3C-927-U-T3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1434.5	0.0	1434.5
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	9292.5	0.0	9292.5
	% Fixture	86.6	0.0	86.6
Total	Lumens	10727.0	0.0	10727.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.1	1.1
10°-20°	312.2	2.9
20°-30°	591.6	5.5
30°-40°	1197.1	11.2
40°-50°	2039.3	19.0
50°-60°	2773.3	25.9
60°-70°	2604.3	24.3
70°-80°	1043.4	9.7
80°-90°	50.5	0.5
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°	10727.0	100.0
0°-180°	10727.0	100.0

Coefficient of Utilization



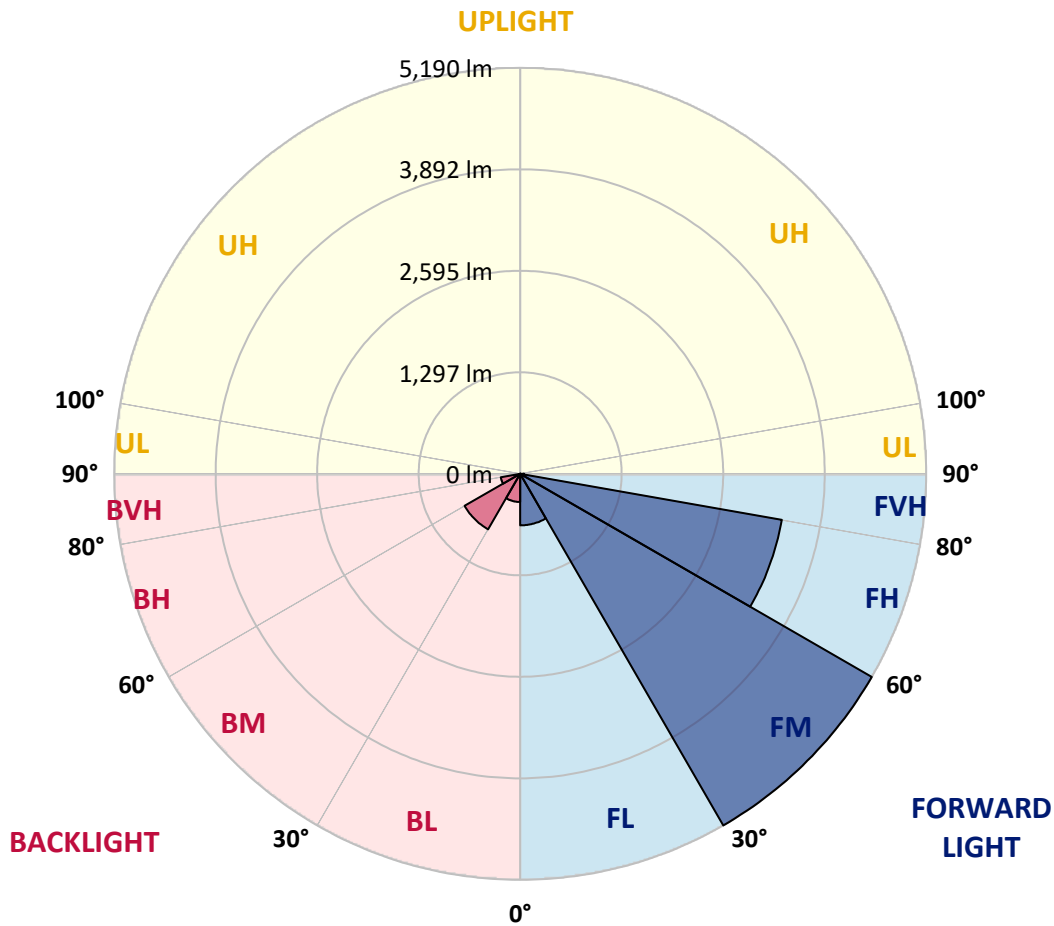
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	658.8	6.1			
FM (30°-60°)	5189.7	48.4			
FH (60°-80°)	3395.9	31.7			G2/5000
FVH (80°-90°)	48.1	0.4			G1/100
BL (0°-30°)	360.2	3.4	B1/500		
BM (30°-60°)	820.1	7.6	B1/1000		
BH (60°-80°)	251.8	2.3	B1/500		G1/500
BVH (80°-90°)	2.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1247.7	1247.7	1247.7	1247.7	1247.7	1247.7	1247.7	1247.7	1247.7	1247.7
2.5°	1243.3	1252.0	1249.8	1247.7	1246.9	1248.4	1249.1	1248.4	1248.4	1248.4
5°	1219.6	1226.8	1226.8	1231.8	1239.0	1247.7	1254.1	1255.6	1257.0	1259.2
7.5°	1174.3	1180.1	1184.4	1200.9	1218.9	1241.9	1261.3	1271.4	1272.8	1280.7
10°	1143.4	1150.6	1157.8	1175.0	1200.9	1235.4	1268.5	1293.0	1296.6	1315.3
12.5°	1142.0	1149.1	1158.5	1177.2	1207.4	1244.1	1284.3	1319.6	1326.0	1353.4
15°	1157.1	1165.7	1174.3	1197.3	1229.7	1274.3	1317.4	1361.3	1367.8	1406.6
17.5°	1188.0	1199.5	1206.0	1229.0	1263.5	1313.1	1369.9	1420.2	1426.0	1471.3
20°	1249.1	1262.8	1264.9	1283.6	1317.4	1370.6	1438.2	1500.8	1508.0	1559.8
22.5°	1375.7	1395.1	1377.8	1387.2	1417.4	1470.6	1543.9	1623.0	1633.1	1692.1
25°	1598.6	1625.9	1581.3	1565.5	1578.5	1633.8	1725.9	1825.8	1837.3	1884.8
27.5°	2036.5	2001.3	1933.7	1867.5	1828.7	1860.3	1963.9	2087.6	2102.0	2148.0
30°	2517.6	2486.7	2395.4	2248.7	2156.6	2151.6	2247.2	2385.3	2401.8	2445.7
32.5°	2999.4	2969.9	2870.7	2690.2	2530.6	2451.5	2517.6	2670.8	2679.4	2707.5
35°	3473.3	3443.1	3343.9	3159.1	2962.7	2783.0	2770.0	2942.6	2945.5	2975.0
37.5°	3950.1	3924.9	3819.2	3638.0	3444.6	3196.5	3076.4	3200.1	3203.6	3232.4
40°	4290.2	4301.0	4228.4	4088.2	3922.0	3650.9	3420.1	3474.0	3452.5	3500.6
42.5°	4582.2	4603.8	4540.5	4470.0	4373.6	4134.9	3845.8	3836.5	3802.0	3827.8
45°	4834.6	4852.6	4795.8	4779.2	4777.1	4609.5	4311.1	4255.0	4206.8	4201.8
47.5°	4927.4	4961.9	4986.3	5041.7	5149.6	5079.1	4792.2	4705.2	4651.2	4611.7
50°	4962.6	4999.3	5082.7	5243.8	5499.1	5529.3	5271.1	5173.3	5107.1	5035.2
52.5°	4915.1	4980.6	5092.8	5363.9	5734.2	5890.3	5730.6	5645.0	5569.5	5452.3
55°	4635.4	4700.8	4930.2	5362.4	5851.4	6143.4	6165.0	6126.8	6042.0	5857.2
57.5°	4045.7	4142.8	4506.0	5179.8	5849.3	6361.3	6590.7	6618.0	6523.1	6258.4
60°	3228.8	3360.4	3803.4	4774.9	5668.8	6479.2	6963.9	7100.5	6999.8	6654.0
62.5°	2253.0	2405.4	2824.7	4140.7	5256.0	6394.4	7236.4	7488.8	7412.6	7007.8
65°	1374.2	1423.1	1761.1	3258.3	4554.1	6039.1	7320.6	7698.8	7673.7	7224.2
67.5°	915.4	956.4	1053.5	2234.3	3535.2	5329.3	7119.2	7662.2	7669.3	7189.0
70°	551.6	586.8	650.1	1299.4	2291.1	4218.3	6495.7	7194.7	7236.4	6718.0
72.5°	227.2	251.0	308.5	589.0	1186.5	2677.3	5172.6	6177.2	6274.3	5648.6
75°	128.7	140.9	181.2	295.6	514.9	1247.7	3133.2	4385.2	4528.3	3893.3
77.5°	85.6	91.3	117.2	191.3	289.8	425.7	1339.0	2284.6	2557.9	2126.4
80°	57.5	62.6	80.5	128.0	188.4	182.7	426.4	846.4	1041.3	730.6
82.5°	38.8	39.6	57.5	84.1	119.4	88.5	125.8	263.2	330.8	211.4
85°	22.3	21.6	42.4	48.9	53.2	36.7	38.1	79.1	103.6	89.2
87.5°	2.9	4.3	16.5	12.9	7.2	7.9	7.9	13.7	20.1	21.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P940536
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1247.7	0°	1247.7	1247.7	1247.7	1247.7	1247.7	1247.7	1247.7	1247.7	1247.7	1247.7
1249.1	2.5°	1249.1	1248.4	1246.2	1244.1	1239.0	1236.2	1237.6	1236.2	1235.4	1236.2
1258.4	5°	1258.4	1256.3	1250.5	1243.3	1233.3	1221.1	1213.1	1201.6	1190.9	1184.4
1283.6	7.5°	1283.6	1281.5	1273.5	1253.4	1221.1	1170.0	1123.3	1082.3	1051.3	1033.4
1323.9	10°	1323.9	1320.3	1308.1	1263.5	1178.6	1067.2	974.4	897.5	847.1	823.4
1371.3	12.5°	1371.3	1367.0	1345.5	1254.1	1098.1	924.1	796.1	710.5	663.7	642.9
1426.0	15°	1427.4	1421.7	1379.3	1209.5	980.9	765.9	648.6	584.6	554.4	535.7
1495.8	17.5°	1497.2	1487.1	1404.4	1142.7	853.6	645.0	558.0	509.9	483.2	465.3
1587.1	20°	1587.8	1571.3	1424.6	1062.8	736.4	568.8	496.9	456.6	436.5	420.7
1716.5	22.5°	1714.4	1690.6	1449.0	976.6	653.7	516.3	451.6	422.1	405.6	387.6
1897.0	25°	1871.1	1843.1	1479.2	896.7	596.9	471.0	418.5	394.1	374.7	353.8
2133.6	27.5°	2090.5	2040.1	1515.2	831.3	548.0	432.2	388.3	361.0	338.7	321.4
2401.8	30°	2335.0	2252.3	1546.8	791.7	503.4	396.2	348.8	321.4	300.6	288.4
2642.7	32.5°	2566.5	2454.3	1567.7	774.5	463.1	355.2	305.6	276.1	260.3	256.7
2878.6	35°	2785.1	2637.0	1565.5	757.9	427.2	314.3	263.2	233.0	220.8	222.9
3132.5	37.5°	3036.8	2831.9	1550.4	732.1	397.7	276.9	226.5	199.9	189.1	189.8
3441.0	40°	3329.5	3057.0	1541.1	683.2	365.3	242.3	196.3	174.7	166.8	164.0
3766.0	42.5°	3641.6	3274.8	1542.5	627.8	325.0	211.4	175.5	157.5	150.3	148.1
4127.7	45°	3955.1	3482.7	1544.7	570.3	282.6	187.7	160.4	145.3	140.9	138.1
4494.5	47.5°	4250.0	3659.6	1504.4	508.4	240.9	169.7	148.1	138.1	134.5	130.9
4862.6	50°	4524.7	3777.5	1407.3	436.5	207.8	155.3	138.8	131.6	128.0	124.4
5196.3	52.5°	4738.2	3796.2	1246.9	362.4	184.8	144.5	133.0	126.6	122.2	118.7
5466.0	55°	4833.2	3679.0	1019.0	293.4	166.8	135.2	127.3	120.8	115.8	112.2
5678.1	57.5°	4808.7	3432.3	794.6	235.9	149.6	125.8	120.1	115.8	110.0	104.3
5850.0	60°	4688.6	3102.3	599.0	196.3	133.8	115.8	112.2	108.6	100.7	92.0
5916.1	62.5°	4480.8	2687.3	427.2	162.5	116.5	104.3	102.8	100.0	88.5	72.6
5818.3	65°	4162.9	2183.2	287.6	135.2	100.0	91.3	92.0	87.0	71.9	53.9
5460.2	67.5°	3698.4	1596.4	184.1	110.7	83.4	76.2	76.9	74.1	61.1	46.0
4781.4	70°	3106.6	1057.1	120.1	84.1	66.9	59.0	63.3	64.0	51.8	37.4
3669.6	72.5°	2277.4	624.2	84.1	62.6	48.9	41.0	51.8	53.2	41.7	28.0
2207.7	75°	1298.0	296.3	63.3	45.3	30.2	28.8	40.3	40.3	28.8	18.7
955.7	77.5°	545.1	123.7	44.6	29.5	17.3	16.5	27.3	25.2	14.4	8.6
233.0	80°	157.5	55.4	23.7	14.4	7.2	6.5	10.8	7.9	3.6	1.4
88.5	82.5°	61.8	24.4	9.3	5.8	2.9	2.9	1.4	0.0	0.0	0.0
50.3	85°	36.7	10.1	4.3	2.2	0.7	0.0	0.0	0.0	0.0	0.0
10.8	87.5°	9.3	2.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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>
1247.7
1239.0
1185.8
1034.1
821.2
640.7
536.5
463.8
417.8
384.7
351.6
317.8
286.2
258.9
222.9
192.7
163.2
147.4
138.1
130.9
124.4
117.9
111.5
103.6
90.6
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