

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: P940228

Luminaire Tested: **GALN-SB3A-940-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940228
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB3A-940-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7384 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

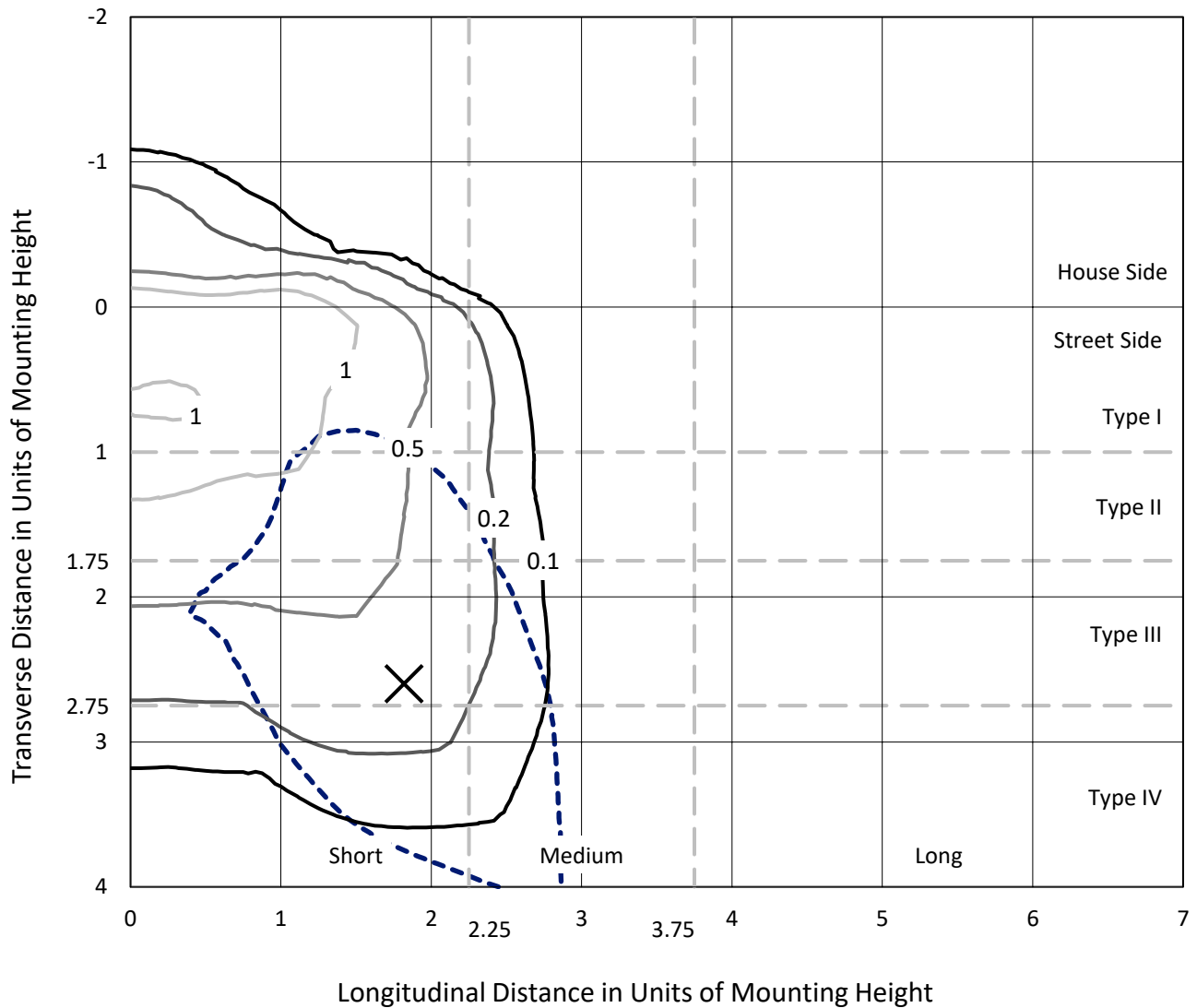
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P940228
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Iso-Footcandle Lines of Horizontal Illumination

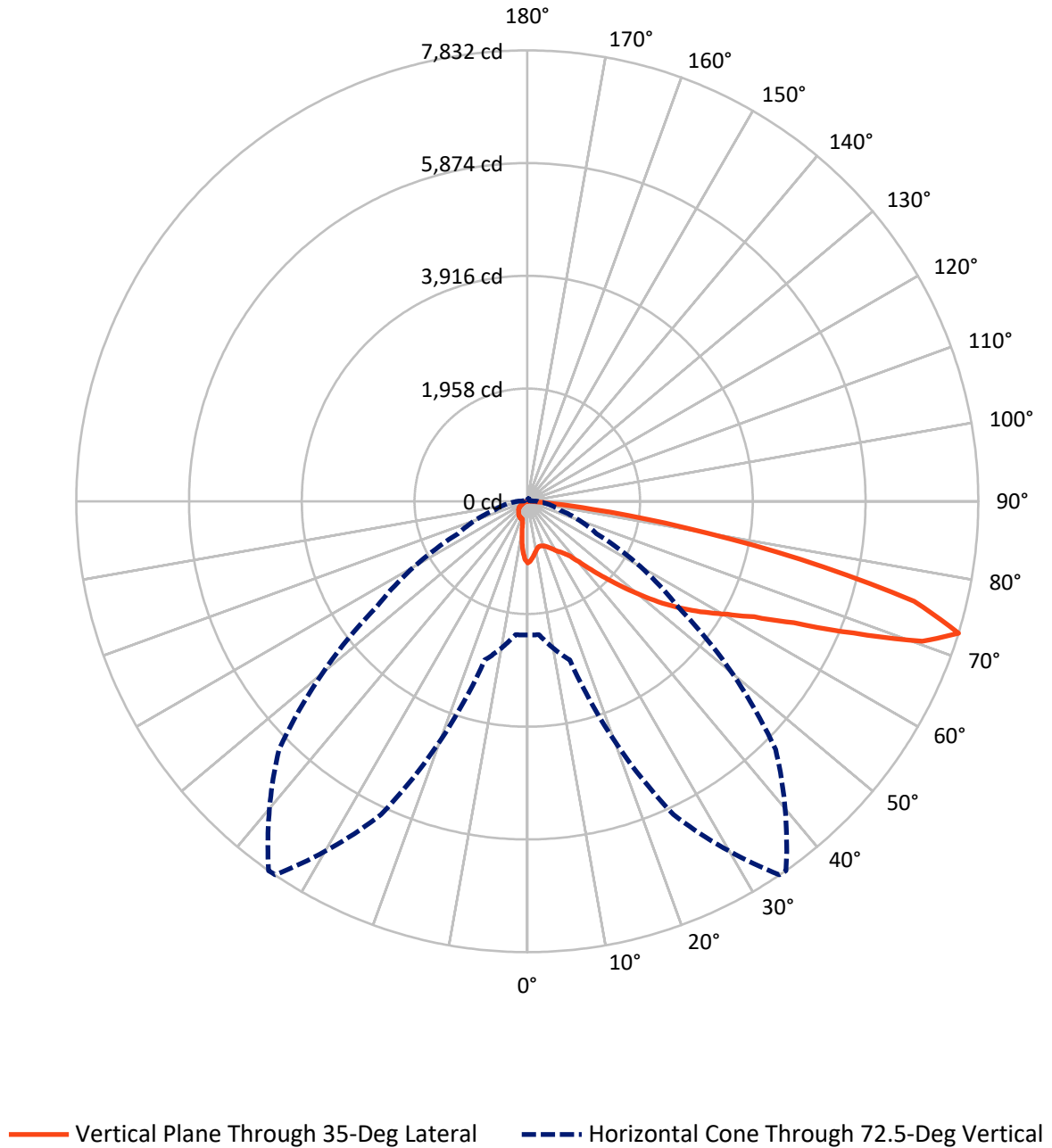
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P940228
CATALOG NUMBER: GALN-SB3A-940-U-T4FT-HSS

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	831.0	0.0	831.0
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	6553.0	0.0	6553.0
	% Fixture	88.7	0.0	88.7
Total	Lumens	7384.0	0.0	7384.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.9	1.2
10°-20°	205.7	2.8
20°-30°	334.2	4.5
30°-40°	557.6	7.6
40°-50°	1055.0	14.3
50°-60°	1676.4	22.7
60°-70°	2073.8	28.1
70°-80°	1289.1	17.5
80°-90°	104.2	1.4
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°	7384.0	100.0
0°-180°	7384.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940228

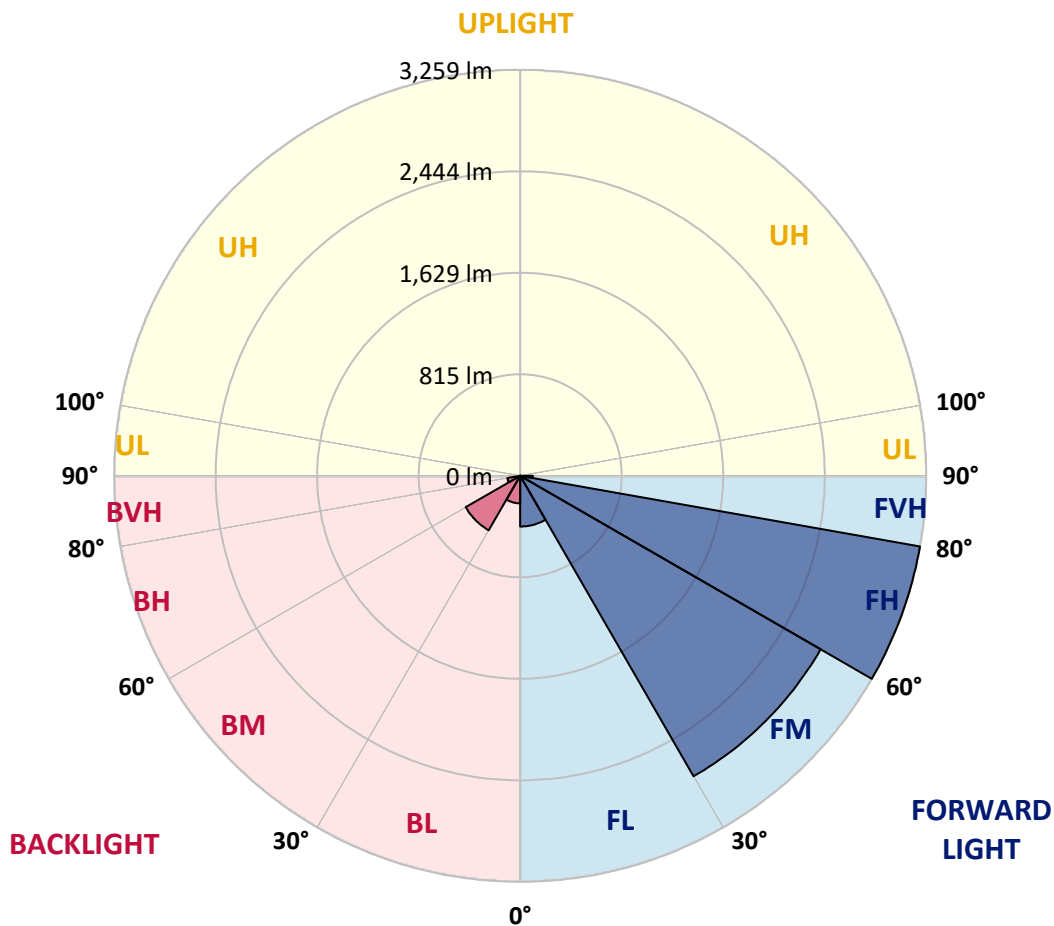
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	407.0	5.5			
FM (30°-60°)	2784.5	37.7			
FH (60°-80°)	3258.6	44.1			G2/5000
FVH (80°-90°)	102.8	1.4			G2/225
BL (0°-30°)	220.8	3.0	B1/500		
BM (30°-60°)	504.5	6.8	B1/1000		
BH (60°-80°)	104.3	1.4	B0/110		G0/110
BVH (80°-90°)	1.4	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 IV Short



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 CATALOG NUMBER: GALN-SB3A-940-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2
2.5°	1022.6	1031.2	1032.9	1035.6	1035.6	1038.8	1044.2	1051.8	1064.2	1070.7
5°	942.5	949.0	957.1	963.6	976.0	977.7	998.8	1019.3	1048.0	1069.6
7.5°	861.9	869.5	880.3	896.0	912.2	917.1	949.0	983.6	1029.1	1069.6
10°	805.1	805.6	815.4	831.0	857.0	863.0	901.9	951.2	1008.0	1063.2
12.5°	773.2	776.9	781.3	793.2	818.1	821.8	863.5	921.4	986.9	1059.4
15°	773.2	775.9	778.6	784.5	804.5	807.8	844.6	902.5	976.0	1061.0
17.5°	781.3	785.6	783.4	790.5	811.6	813.7	846.2	897.1	975.5	1071.3
20°	800.7	804.0	799.7	804.0	825.1	829.4	863.0	907.3	984.7	1089.1
22.5°	831.6	833.2	822.9	826.2	847.8	853.2	892.2	936.6	1006.9	1117.8
25°	870.5	873.8	858.1	861.9	882.4	888.9	933.8	980.4	1042.1	1157.3
27.5°	915.4	917.1	903.5	903.0	929.5	938.7	984.2	1034.5	1089.1	1207.1
30°	966.8	971.7	958.7	956.6	990.1	997.7	1042.6	1101.0	1158.4	1281.7
32.5°	1007.4	1011.2	1003.6	1009.1	1043.1	1049.1	1113.5	1195.2	1267.1	1387.8
35°	1065.9	1068.0	1050.7	1060.5	1099.4	1114.6	1210.3	1327.2	1404.0	1520.9
37.5°	1277.4	1277.4	1203.8	1155.7	1193.0	1206.5	1342.9	1493.3	1572.8	1699.4
40°	1570.1	1565.2	1457.6	1359.1	1354.2	1380.7	1531.7	1702.7	1790.9	1913.7
42.5°	1882.3	1874.7	1728.1	1630.7	1614.5	1623.7	1749.7	1960.8	2050.6	2175.0
45°	2159.3	2157.2	2023.0	1892.0	1862.8	1892.0	2021.9	2262.7	2327.0	2458.0
47.5°	2391.4	2391.4	2293.5	2208.0	2192.9	2210.2	2390.3	2597.6	2591.6	2759.3
50°	2658.7	2656.5	2563.5	2526.7	2542.4	2566.7	2814.5	2950.3	2865.4	3055.3
52.5°	2845.9	2858.9	2827.0	2821.0	2901.1	2943.3	3245.2	3295.5	3110.5	3336.1
55°	2994.1	3009.3	3046.1	3087.8	3241.9	3297.1	3662.3	3622.8	3315.5	3579.6
57.5°	3204.1	3182.4	3239.2	3321.5	3570.9	3637.5	4066.5	3931.8	3480.5	3777.0
60°	3458.9	3462.2	3471.9	3575.8	3899.3	3984.8	4464.7	4223.9	3586.6	3898.2
62.5°	3765.1	3770.0	3790.0	3949.6	4340.3	4420.9	4888.9	4463.1	3635.3	3864.2
65°	3744.0	3764.6	3988.1	4534.0	5010.6	5090.2	5383.9	4630.8	3561.7	3552.5
67.5°	3410.8	3444.3	3818.2	5231.9	6021.3	6110.0	5982.3	4663.8	3244.1	2762.6
70°	2973.6	2985.5	3435.1	5859.5	7191.6	7281.4	6518.0	4300.8	2461.8	1540.9
72.5°	2322.2	2324.9	2852.4	6005.1	7826.8	7831.6	6097.6	3192.7	1323.9	591.9
75°	1658.8	1642.6	1910.4	4870.0	6885.9	6941.1	4571.3	1497.6	505.9	279.7
77.5°	889.5	907.3	1081.0	2888.1	4756.9	4851.0	2494.2	431.8	257.5	190.4
80°	274.9	290.0	443.1	1322.3	2694.4	2751.2	924.6	192.1	179.6	135.8
82.5°	86.6	89.8	206.7	555.7	1118.3	1144.3	267.8	108.8	122.8	89.8
85°	24.9	25.4	92.0	207.2	276.5	281.9	75.2	42.2	70.3	55.7
87.5°	2.7	8.7	34.6	34.6	24.3	23.8	8.1	9.2	20.0	7.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P940228
 CATALOG NUMBER: GALN-SB3A-940-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1070.2	0°	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2
1075.1	2.5°	1072.4	1072.9	1065.9	1054.0	1041.0	1030.2	1016.6	1005.8	998.2	996.1
1084.8	5°	1079.9	1076.1	1056.1	1019.9	976.6	939.3	897.6	864.6	842.9	833.8
1095.1	7.5°	1091.3	1080.5	1036.6	965.2	882.4	808.9	734.2	676.3	639.5	621.1
1104.8	10°	1101.0	1079.4	1004.2	886.2	759.6	648.2	547.5	477.7	438.8	420.4
1116.2	12.5°	1110.2	1078.8	962.0	792.6	621.1	484.8	391.2	356.5	345.7	341.9
1134.6	15°	1127.5	1080.5	909.0	685.5	483.2	366.3	332.2	331.7	333.8	332.7
1162.7	17.5°	1151.3	1082.1	848.9	571.9	372.8	323.0	321.4	326.3	329.5	327.9
1197.9	20°	1182.2	1088.6	785.1	459.3	320.3	312.2	316.0	320.3	323.0	320.3
1244.9	22.5°	1225.5	1099.9	715.3	369.0	303.5	305.7	308.9	313.8	316.5	312.7
1305.0	25°	1278.5	1117.8	646.6	320.8	295.4	298.1	303.0	308.4	311.6	307.9
1380.7	27.5°	1347.2	1146.5	583.2	310.0	287.3	288.9	296.0	304.1	308.4	303.5
1488.4	30°	1446.8	1193.5	528.6	314.9	282.4	278.6	288.4	299.7	304.6	300.3
1635.0	32.5°	1578.8	1260.1	495.1	322.5	280.3	266.7	275.9	290.5	298.7	296.0
1826.6	35°	1751.9	1361.3	482.1	331.1	278.6	254.3	260.8	276.5	290.5	293.2
2067.9	37.5°	1961.8	1501.9	485.9	334.9	273.8	244.0	247.3	260.8	279.2	287.8
2339.5	40°	2200.4	1665.9	507.5	331.1	268.4	235.4	235.9	246.2	262.4	275.4
2631.6	42.5°	2446.6	1857.4	547.5	317.1	263.5	227.8	226.2	233.2	244.0	253.2
2923.3	45°	2680.9	2054.4	587.0	297.6	257.5	220.2	216.4	219.1	221.3	225.1
3207.3	47.5°	2885.4	2192.9	575.7	279.7	249.4	211.5	205.1	204.0	197.5	196.9
3461.1	50°	3026.6	2223.2	511.3	261.9	237.5	201.8	191.5	185.0	173.7	168.3
3651.0	52.5°	3071.5	2103.6	417.7	244.0	218.0	188.8	174.2	163.9	149.9	145.0
3760.3	55°	3012.0	1869.3	333.8	222.4	191.0	171.5	155.3	141.8	130.4	124.4
3772.2	57.5°	2866.5	1571.2	264.0	196.9	162.3	152.0	135.8	122.3	112.5	106.6
3640.2	60°	2625.2	1247.7	208.8	166.6	138.5	130.9	114.2	105.5	96.8	89.8
3299.3	62.5°	2258.9	890.6	163.9	132.0	115.8	107.1	97.4	90.9	80.6	70.9
2686.3	65°	1762.7	544.8	126.6	96.8	93.1	88.7	82.8	76.8	64.4	54.6
1752.4	67.5°	1111.8	258.1	90.4	73.0	73.6	71.4	68.7	63.8	54.6	46.0
785.1	70°	489.6	125.0	59.5	55.7	54.6	54.6	56.8	55.2	46.5	38.4
272.7	72.5°	166.6	67.1	44.4	42.2	39.5	39.0	47.6	46.0	37.3	29.8
135.8	75°	87.1	44.9	32.5	30.3	23.8	28.7	37.9	35.7	26.5	19.5
89.8	77.5°	56.8	31.9	22.2	19.5	13.5	18.9	28.1	24.9	15.7	9.7
59.0	80°	35.7	21.1	13.0	9.2	6.5	10.3	15.1	10.8	6.0	2.2
34.6	82.5°	18.9	10.8	4.9	3.2	2.7	3.2	3.8	2.7	1.1	0.0
17.9	85°	7.6	3.8	1.6	1.1	0.5	0.0	1.1	0.5	0.0	0.0
3.2	87.5°	2.7	0.5	0.0	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

180°
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1070.2
999.9
837.0
623.8
420.9
340.9
332.2
327.3
319.8
312.2
307.3
303.5
299.7
296.0
293.2
290.0
279.7
257.0
227.2
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