

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: P952230

Luminaire Tested: **GALN-SB6A-927-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952230
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6A-927-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16182 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

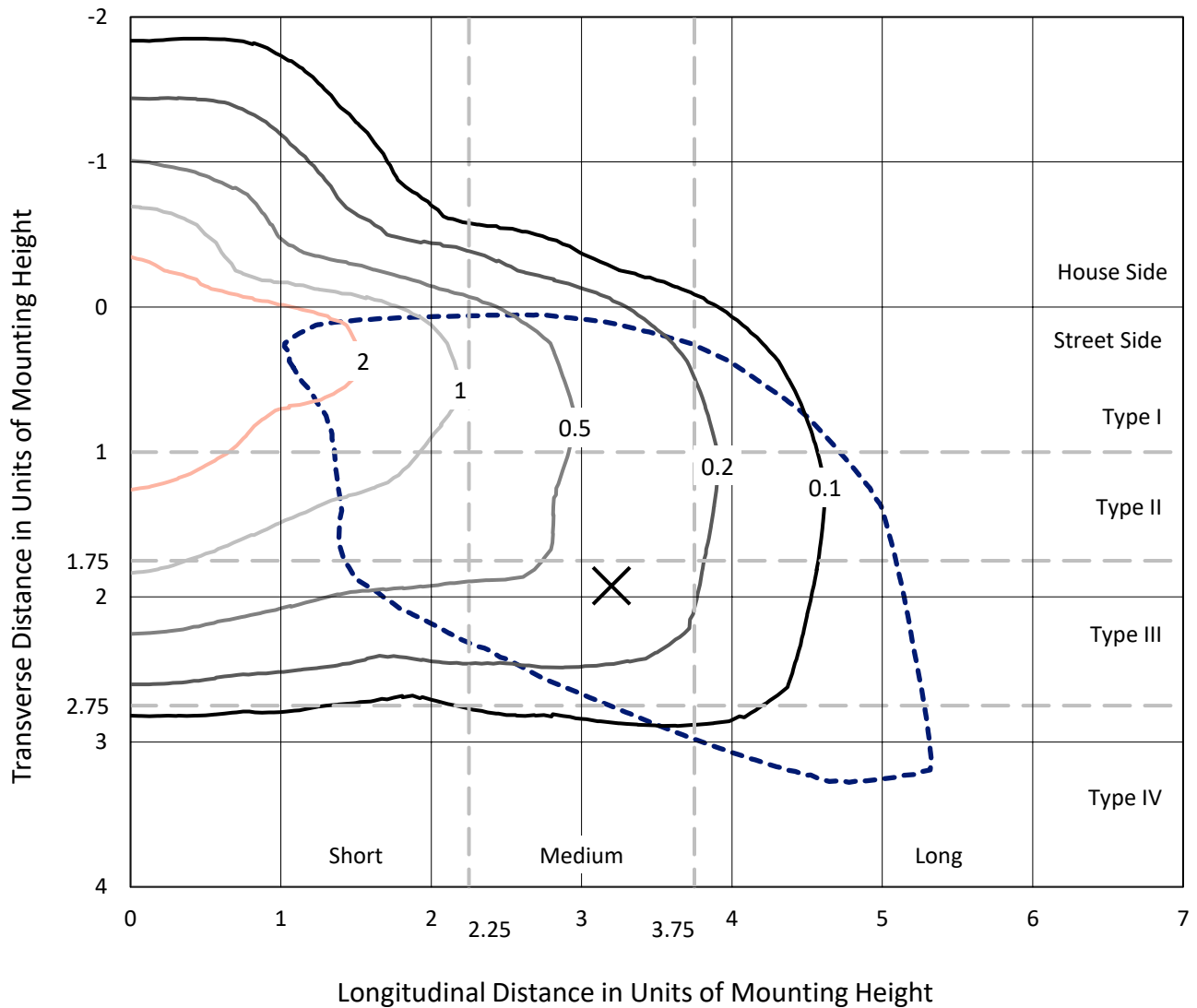
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

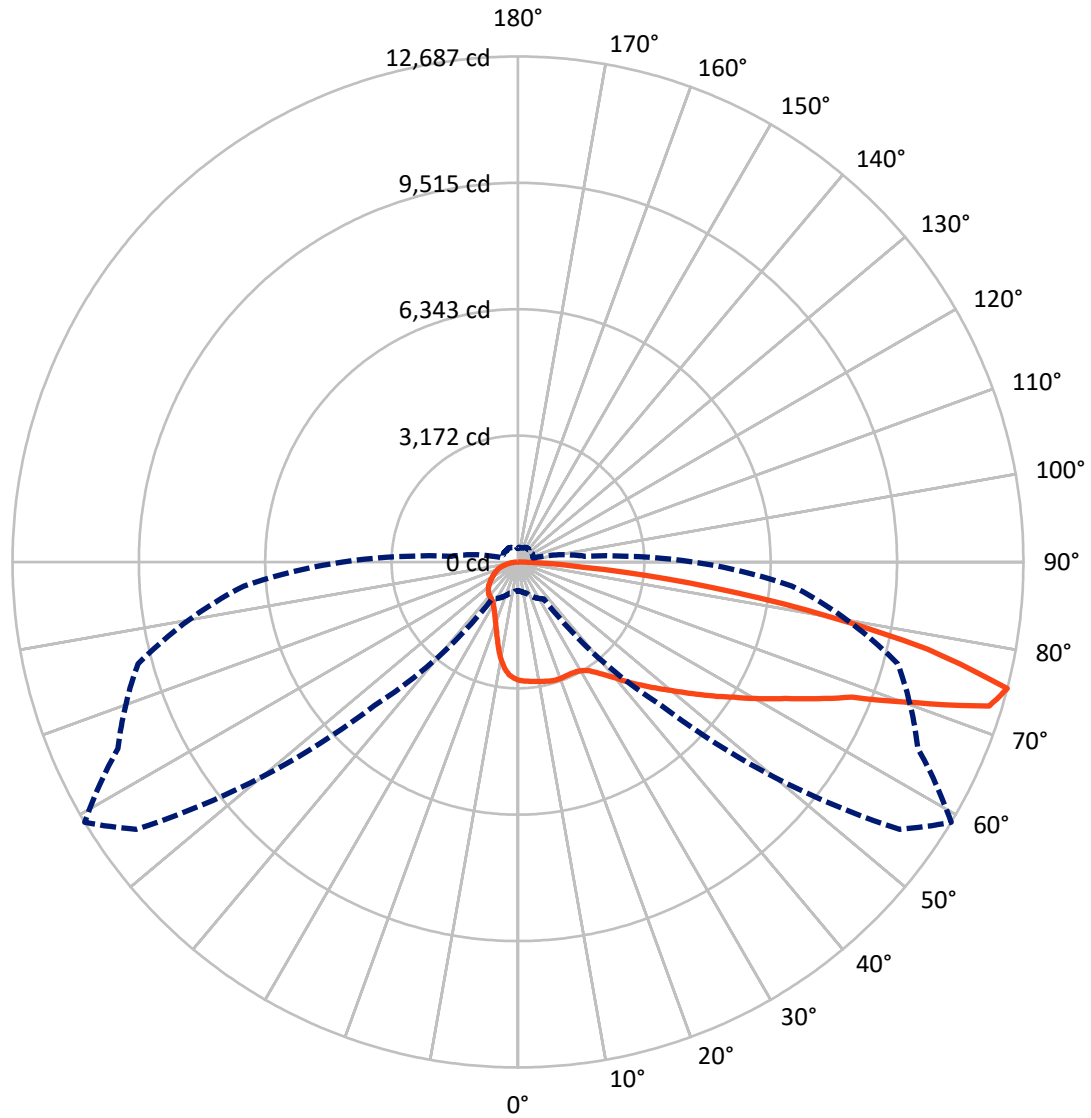
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3035.0	0.0	3035.0
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	13147.0	0.0	13147.0
	% Fixture	81.2	0.0	81.2
Total	Lumens	16182.0	0.0	16182.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.3	1.6
10°-20°	680.7	4.2
20°-30°	1034.0	6.4
30°-40°	1537.0	9.5
40°-50°	2285.8	14.1
50°-60°	3102.7	19.2
60°-70°	3787.9	23.4
70°-80°	2972.7	18.4
80°-90°	514.9	3.2
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°	16182.0	100.0
0°-180°	16182.0	100.0

Coefficient of Utilization



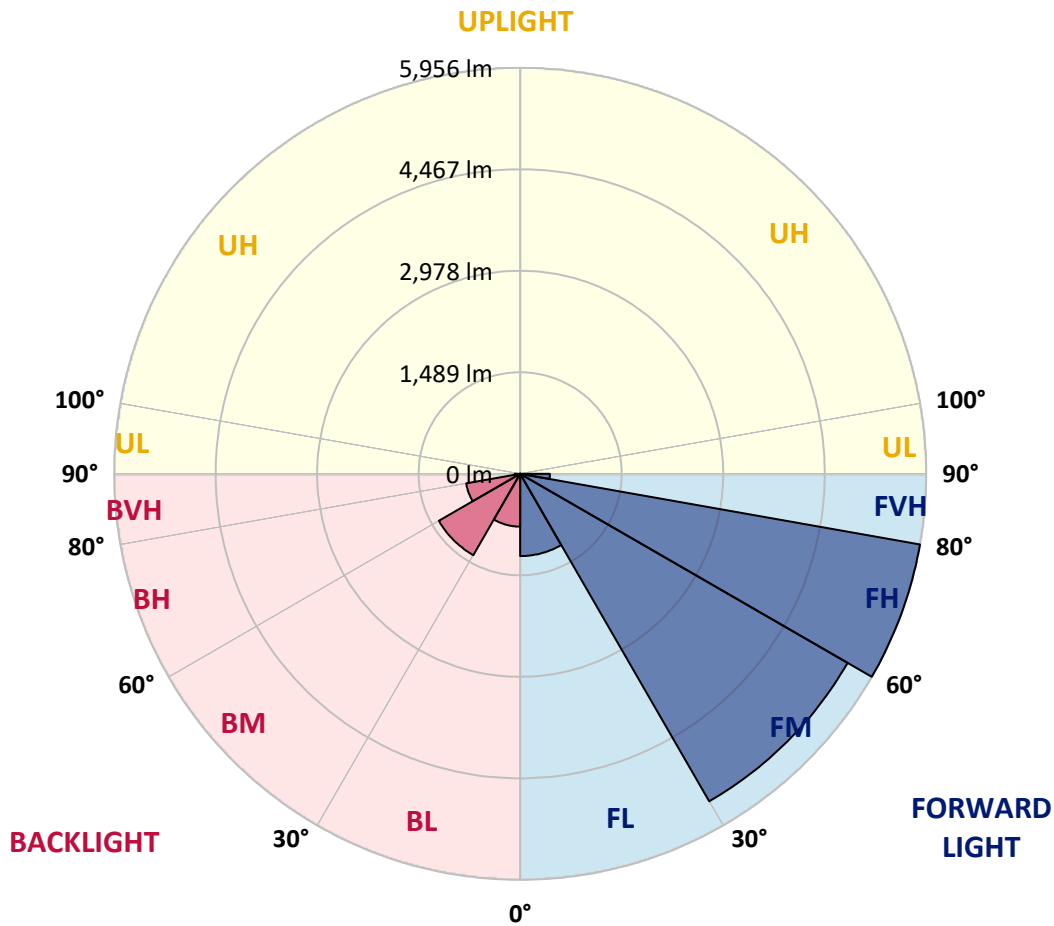
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1206.5	7.5			
FM (30°-60°)	5547.9	34.3			
FH (60°-80°)	5956.4	36.8			G3/7500
FVH (80°-90°)	436.1	2.7			G3/500
BL (0°-30°)	774.5	4.8	B2/1000		
BM (30°-60°)	1377.6	8.5	B2/2500		
BH (60°-80°)	804.1	5.0	B2/1000		G2/1000
BVH (80°-90°)	78.8	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	2970.2	2970.2	2970.2	2970.2	2970.2	2970.2	2970.2	2970.2	2970.2	2970.2
2.5°	2995.4	2985.0	2995.4	2991.1	2989.3	2985.8	2986.7	2992.8	2989.3	2993.7
5°	2975.4	2969.3	2979.7	2977.1	2988.5	2990.2	3001.5	3008.5	3012.8	3013.7
7.5°	2942.3	2936.2	2951.0	2963.2	2987.6	2994.5	3018.0	3029.4	3035.5	3045.9
10°	2821.3	2818.7	2855.3	2901.4	2958.9	2994.5	3030.2	3049.4	3059.0	3086.8
12.5°	2607.2	2610.7	2658.5	2747.3	2862.2	2977.1	3044.2	3072.0	3086.8	3121.6
15°	2402.6	2401.7	2454.0	2548.8	2709.9	2900.5	3051.1	3099.0	3124.2	3175.6
17.5°	2284.2	2280.7	2317.3	2389.5	2539.3	2783.0	3033.7	3113.8	3167.8	3232.2
20°	2262.4	2255.5	2274.6	2310.3	2416.5	2654.2	2988.5	3113.8	3202.6	3286.2
22.5°	2341.7	2330.3	2322.5	2318.2	2365.2	2548.0	2937.1	3103.4	3254.0	3363.6
25°	2501.0	2483.6	2443.5	2404.3	2390.4	2500.1	2891.8	3100.7	3330.6	3468.1
27.5°	2758.6	2736.9	2655.9	2561.9	2477.5	2524.5	2871.8	3116.4	3415.0	3578.7
30°	3078.1	3054.6	2952.8	2808.3	2656.8	2615.0	2897.0	3162.6	3522.9	3725.8
32.5°	3364.5	3338.4	3251.3	3104.2	2899.7	2771.7	2977.1	3250.5	3692.7	3930.3
35°	3618.7	3588.2	3509.9	3374.1	3197.4	2991.9	3121.6	3406.3	3933.8	4262.9
37.5°	3867.7	3832.0	3746.7	3603.0	3479.4	3285.3	3321.0	3606.5	4254.2	4666.8
40°	4146.2	4094.9	3991.3	3849.4	3729.3	3629.1	3583.0	3852.0	4579.7	5117.7
42.5°	4416.1	4367.3	4243.7	4122.7	3972.1	3943.4	3886.8	4139.3	4935.8	5613.0
45°	4706.8	4648.5	4498.8	4345.6	4250.7	4152.3	4181.0	4426.5	5284.8	6117.9
47.5°	4979.3	4914.0	4737.3	4566.7	4514.4	4328.2	4450.9	4742.5	5647.8	6629.8
50°	5126.4	5062.0	4914.9	4760.8	4719.9	4544.9	4743.4	5089.9	6028.3	7139.9
52.5°	5249.2	5179.5	4987.1	4901.8	4889.6	4780.8	5103.8	5486.8	6408.7	7590.8
55°	5379.7	5302.3	5056.8	4980.2	5035.9	5045.5	5531.2	5936.9	6810.8	8030.4
57.5°	5530.3	5432.0	5123.8	5046.3	5178.6	5355.4	6022.2	6403.4	7206.1	8437.8
60°	5672.2	5573.0	5252.6	5151.7	5332.7	5714.9	6585.4	6968.4	7653.5	8800.8
62.5°	5700.1	5618.3	5355.4	5354.5	5541.6	6134.5	7252.2	7538.6	8044.4	9159.5
65°	5217.8	5166.5	5010.6	5346.7	5841.1	6738.6	7994.7	8268.1	8541.4	9472.9
67.5°	3971.3	3978.2	3966.9	4615.4	5599.1	7606.5	9069.8	9048.9	9155.1	9824.5
70°	1815.9	1856.8	2123.2	3186.1	4485.7	7706.6	10847.4	10576.7	9925.5	10279.8
72.5°	981.1	1012.4	1121.2	1543.4	2696.8	6851.8	12175.8	12368.2	10950.1	10586.2
75°	719.9	737.3	813.1	981.1	1132.5	5092.5	11699.6	12686.8	11078.1	9871.5
77.5°	538.8	546.7	608.5	777.4	579.8	2684.6	9348.4	10507.0	9483.3	8110.5
80°	390.9	399.6	445.7	583.2	406.5	981.9	6419.1	7374.9	6494.9	5169.9
82.5°	269.9	273.3	293.4	397.0	283.8	381.3	3642.2	4324.7	3625.7	1814.1
85°	162.8	167.1	175.8	231.6	161.0	181.1	1572.1	1626.1	1083.8	433.5
87.5°	67.0	71.4	78.3	97.5	63.5	50.5	259.4	325.6	202.8	127.1
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°
2970.2	0°	2970.2	2970.2	2970.2	2970.2	2970.2	2970.2	2970.2	2970.2	2970.2	2970.2
2978.9	2.5°	2974.5	2968.4	2951.9	2929.3	2908.4	2882.2	2870.9	2861.4	2852.7	2836.1
3002.4	5°	2992.8	2976.3	2931.9	2874.4	2809.1	2737.7	2668.1	2620.2	2579.3	2548.8
3029.4	7.5°	3020.7	2989.3	2908.4	2790.8	2641.1	2487.9	2349.5	2251.1	2177.1	2150.2
3067.7	10°	3049.4	3012.0	2870.9	2663.8	2405.2	2169.3	1985.6	1884.6	1825.5	1806.3
3112.9	12.5°	3083.3	3028.5	2812.6	2487.0	2141.4	1882.9	1722.7	1663.5	1633.1	1622.6
3168.6	15°	3133.0	3042.4	2724.7	2265.9	1889.9	1674.0	1570.4	1529.5	1513.8	1512.9
3226.1	17.5°	3170.4	3045.0	2588.0	2029.2	1696.6	1547.8	1462.5	1446.8	1457.2	1472.9
3282.7	20°	3212.2	3021.5	2408.7	1813.3	1560.8	1437.2	1401.5	1412.0	1437.2	1459.8
3357.5	22.5°	3241.8	2978.9	2191.9	1645.3	1443.3	1373.7	1371.9	1393.7	1407.6	1418.9
3445.5	25°	3267.9	2906.6	1962.1	1504.2	1346.7	1335.4	1354.5	1347.5	1338.0	1347.5
3533.4	27.5°	3287.0	2792.6	1756.7	1380.6	1278.8	1309.2	1297.9	1282.3	1281.4	1286.6
3637.0	30°	3280.9	2640.2	1587.8	1263.1	1230.9	1260.5	1233.5	1230.9	1228.3	1230.9
3792.8	32.5°	3280.9	2467.0	1458.1	1182.1	1200.4	1189.1	1186.5	1180.4	1170.0	1169.1
4004.3	35°	3299.2	2293.8	1346.7	1138.6	1175.2	1148.2	1149.9	1135.1	1113.4	1102.9
4284.6	37.5°	3336.7	2154.5	1236.1	1117.7	1130.8	1129.9	1123.0	1097.7	1059.4	1026.3
4634.6	40°	3427.2	2113.6	1160.4	1108.2	1109.9	1120.3	1102.1	1053.3	966.3	912.3
4989.7	42.5°	3569.1	2182.4	1143.8	1084.7	1096.0	1106.4	1070.7	957.6	895.8	863.5
5362.3	45°	3749.3	2302.5	1179.5	1050.7	1062.9	1081.2	975.0	921.0	893.1	894.0
5731.4	47.5°	3977.3	2428.7	1245.7	1021.1	1015.0	1025.5	911.4	878.3	840.0	849.6
6085.7	50°	4241.1	2556.7	1308.4	981.1	961.9	928.0	870.5	839.2	790.4	767.8
6427.8	52.5°	4526.6	2680.3	1333.6	932.3	904.5	865.3	842.7	804.3	745.2	707.7
6750.8	55°	4797.4	2792.6	1305.8	874.0	847.0	816.5	813.1	789.5	726.0	673.8
7038.0	57.5°	5053.3	2886.6	1236.1	814.8	788.7	770.4	793.9	782.6	702.5	635.5
7309.6	60°	5270.0	2951.0	1135.1	754.7	736.4	726.9	762.6	759.1	669.4	594.6
7553.4	62.5°	5442.4	2976.3	1023.7	697.3	692.9	675.5	719.0	719.0	627.6	554.5
7767.5	65°	5577.3	2951.9	910.6	640.7	649.4	623.3	665.9	660.7	583.2	518.8
8013.9	67.5°	5696.6	2871.8	785.2	585.0	605.0	571.9	610.2	598.0	534.5	483.1
8227.2	70°	5749.7	2685.5	642.4	529.3	553.6	521.4	554.5	531.9	479.6	444.8
7993.0	72.5°	5323.2	2232.0	505.8	470.9	491.8	465.7	494.4	468.3	420.5	404.8
6902.3	75°	4403.9	1674.9	389.1	407.4	423.1	403.0	422.2	403.0	359.5	370.8
5098.6	77.5°	3198.2	1130.8	297.7	340.4	347.3	336.9	353.4	331.7	292.5	289.9
2541.0	80°	1590.4	662.5	233.3	269.0	266.4	259.4	278.6	268.1	235.0	249.0
686.0	82.5°	460.5	283.8	169.7	188.9	183.7	185.4	199.3	204.6	306.4	303.8
213.3	85°	144.5	111.4	101.8	105.3	100.1	102.7	117.5	233.3	215.9	126.2
66.2	87.5°	37.4	38.3	25.2	27.0	27.9	33.1	37.4	141.9	67.9	44.4
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

<u>180°</u>
2970.2
2828.3
2523.6
2103.1
1776.7
1625.2
1516.4
1479.0
1467.7
1425.0
1353.6
1295.3
1240.5
1180.4
1113.4
1037.6
919.3
863.5
898.4
874.0
773.9
706.9
673.8
632.0
591.9
551.9
515.3
479.6
437.9
391.7
338.6
276.8
246.4
310.8
136.7
47.0
0.0

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