

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: P948658

Luminaire Tested: **GALN-SB3C-927-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948658
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
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-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13595 lumens
Efficiency: N/A
Efficacy: 91.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

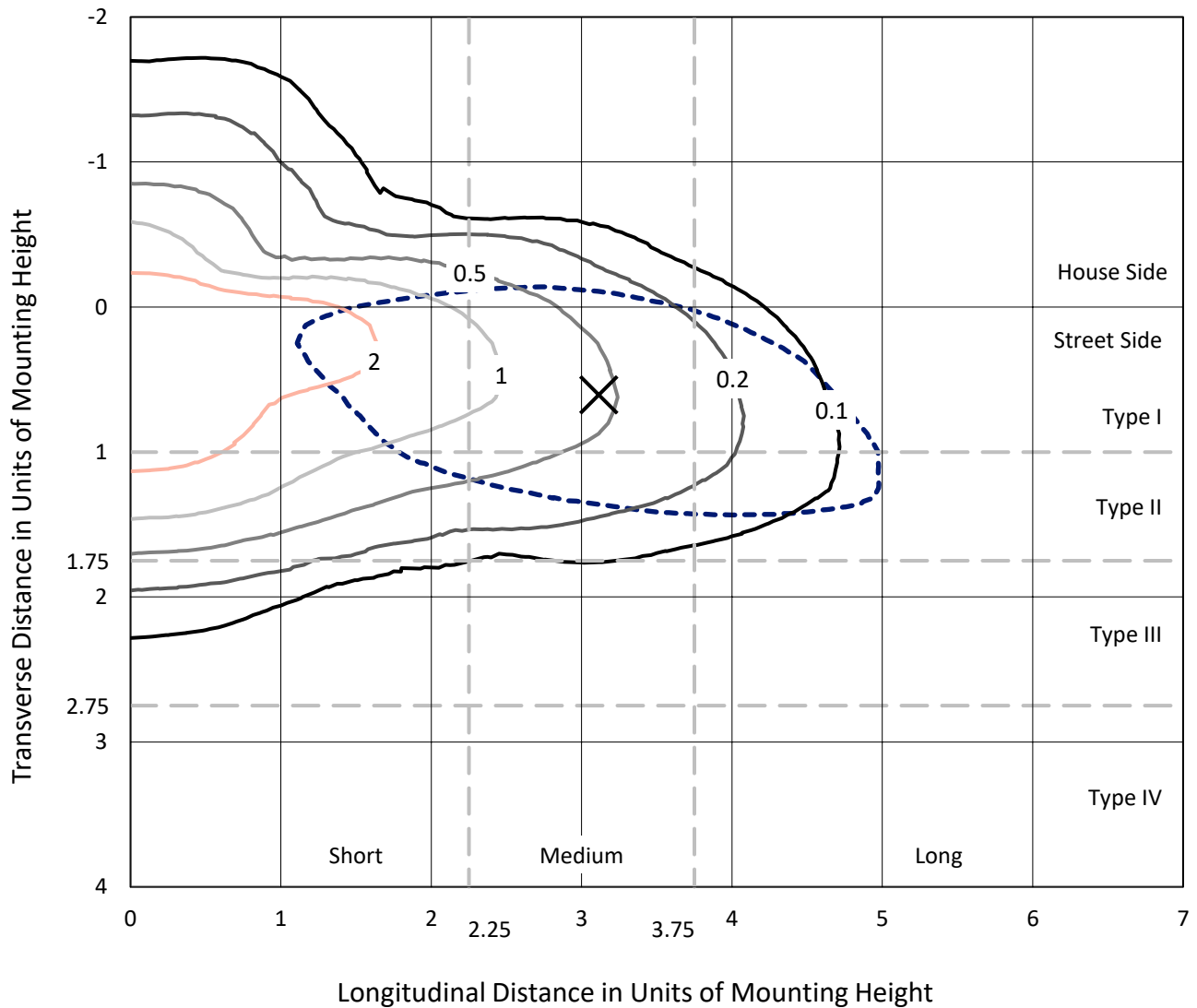
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P948658
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Iso-Footcandle Lines of Horizontal Illumination

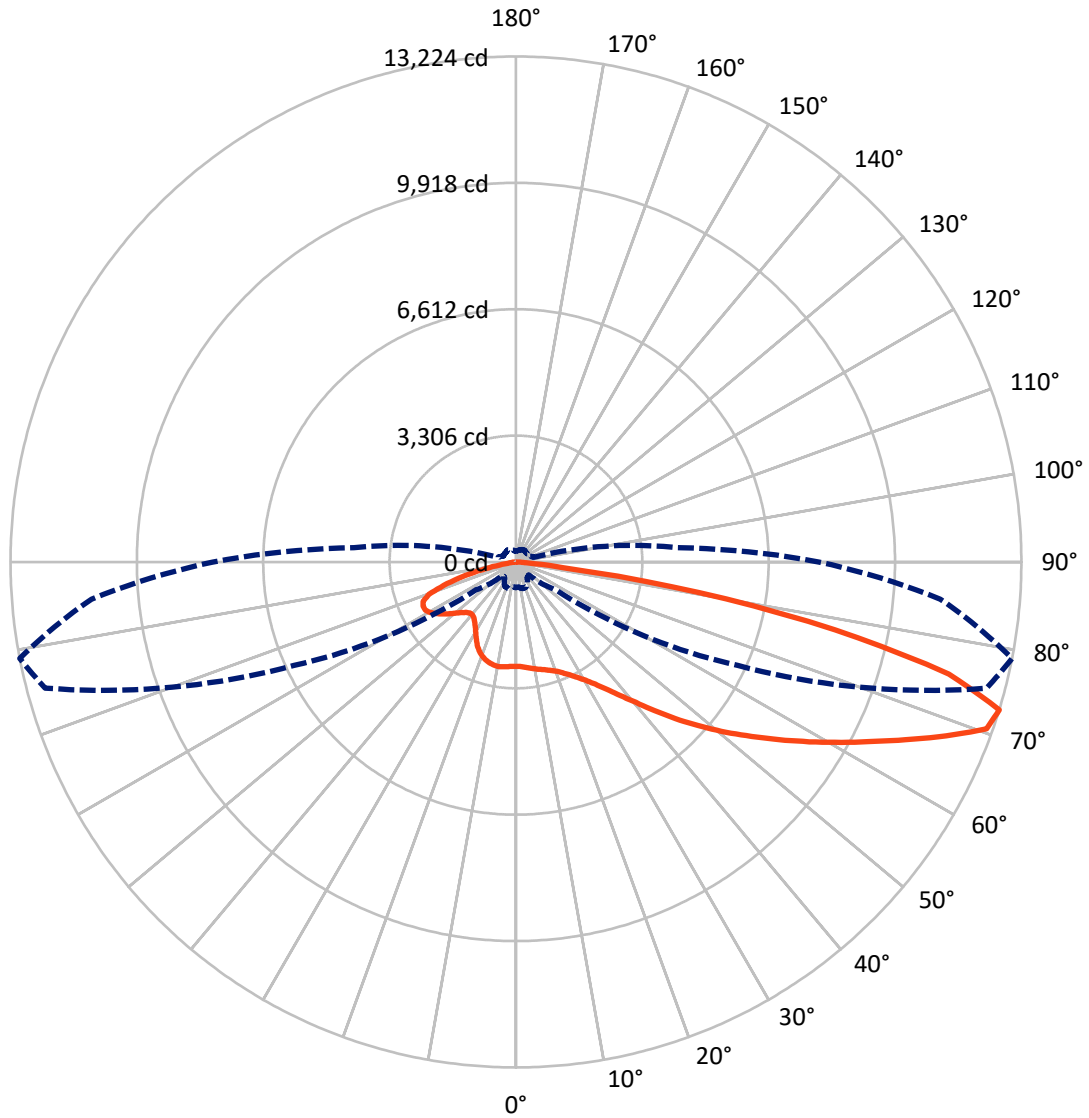
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type II - Medium - N/A

REPORT NUMBER: P948658
CATALOG NUMBER: GALN-SB3C-927-U-SL2

Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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CATALOG NUMBER: GALN-SB3C-927-U-SL2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2991.6	0.0	2991.6
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	10603.3	0.0	10603.3
	% Fixture	78.0	0.0	78.0
Total	Lumens	13595.0	0.0	13595.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.7	1.8
10°-20°	647.7	4.8
20°-30°	1045.1	7.7
30°-40°	1568.5	11.5
40°-50°	2225.0	16.4
50°-60°	2809.9	20.7
60°-70°	2853.8	21.0
70°-80°	1945.0	14.3
80°-90°	252.4	1.9
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°	13595.0	100.0
0°-180°	13595.0	100.0

Coefficient of Utilization



REPORT NUMBER: P948658

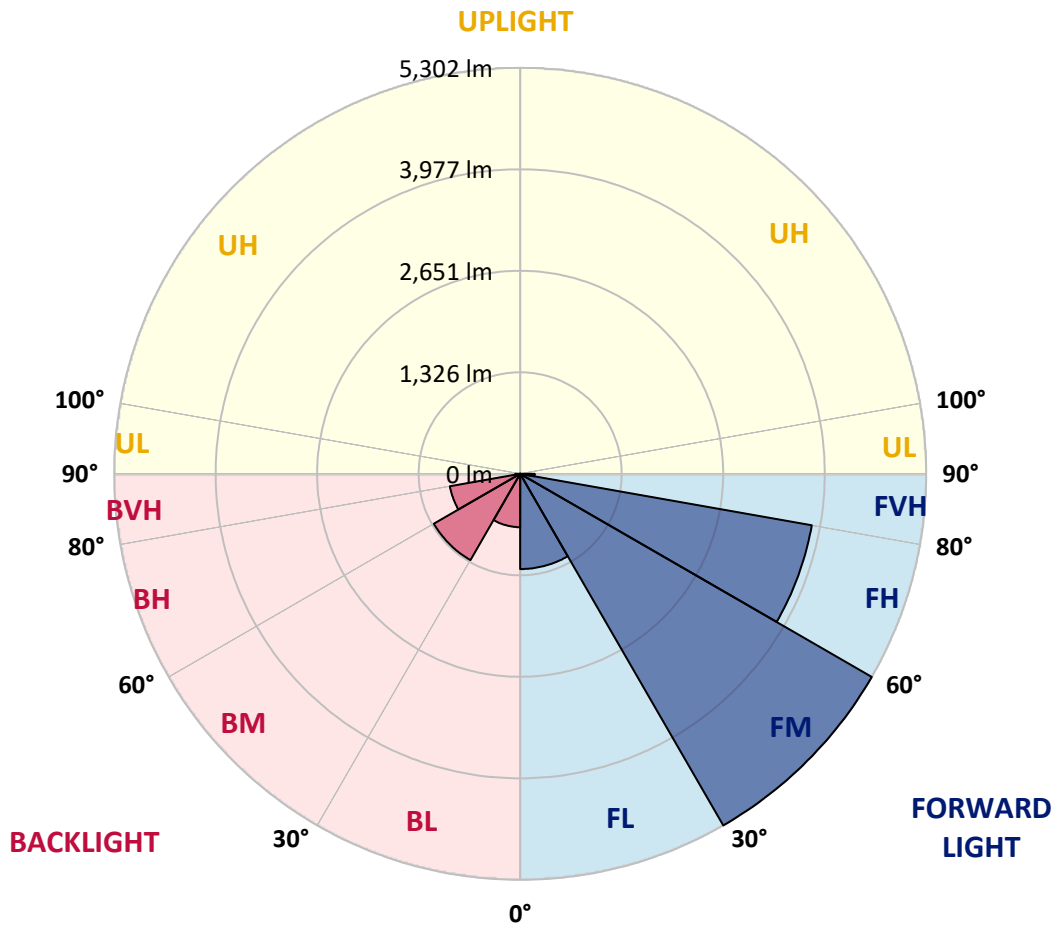
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1243.6	9.1			
FM (30°-60°)	5302.3	39.0			
FH (60°-80°)	3867.3	28.4			G2/5000
FVH (80°-90°)	190.1	1.4			G2/225
BL (0°-30°)	696.8	5.1	B2/1000		
BM (30°-60°)	1301.1	9.6	B2/2500		
BH (60°-80°)	931.5	6.9	B2/1000		G2/1000
BVH (80°-90°)	62.3	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-G2

Type II Medium



REPORT NUMBER: P948658

CATALOG NUMBER: GALN-SB3C-927-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	2729.1	2729.1	2729.1	2729.1	2729.1	2729.1	2729.1	2729.1	2729.1	2729.1
2.5°	2730.5	2717.6	2725.5	2722.6	2726.2	2730.5	2731.9	2734.1	2741.3	2740.6
5°	2724.8	2711.8	2722.6	2719.0	2728.3	2738.4	2747.0	2755.0	2766.5	2771.5
7.5°	2712.5	2703.9	2714.7	2725.5	2742.7	2757.8	2770.1	2788.0	2804.6	2807.5
10°	2641.3	2634.9	2660.0	2688.1	2735.5	2776.5	2803.1	2824.0	2842.0	2844.8
12.5°	2567.3	2559.4	2587.4	2625.5	2702.5	2776.5	2832.6	2859.9	2875.8	2885.1
15°	2555.0	2548.6	2564.4	2597.5	2661.5	2757.1	2852.8	2903.1	2916.8	2927.5
17.5°	2614.0	2601.8	2608.3	2619.8	2657.2	2739.1	2868.6	2952.0	2972.8	2984.4
20°	2750.6	2733.4	2723.3	2700.3	2693.8	2742.0	2867.1	3011.0	3038.3	3052.7
22.5°	2932.6	2921.1	2899.5	2841.2	2778.0	2777.2	2894.5	3086.5	3137.5	3151.2
25°	3152.6	3135.4	3108.0	3028.9	2907.4	2847.0	2940.5	3182.8	3268.4	3272.0
27.5°	3405.8	3379.9	3342.5	3238.2	3074.2	2956.3	3011.0	3293.6	3418.7	3417.3
30°	3672.6	3646.7	3607.1	3480.5	3274.2	3103.7	3108.8	3413.0	3597.0	3589.1
32.5°	3867.4	3848.0	3840.1	3742.3	3504.3	3277.8	3220.9	3545.3	3817.1	3809.9
35°	4017.0	3991.8	4001.2	3951.6	3755.3	3472.6	3358.3	3702.8	4084.6	4083.9
37.5°	4165.2	4142.9	4150.8	4117.7	3987.5	3720.0	3525.9	3895.5	4416.1	4431.9
40°	4300.3	4276.6	4308.3	4277.3	4168.0	3983.2	3716.4	4113.4	4800.1	4830.3
42.5°	4381.6	4362.9	4415.4	4416.1	4324.8	4205.4	3925.7	4353.6	5244.6	5312.2
45°	4409.7	4403.2	4482.3	4498.8	4463.6	4334.1	4114.1	4615.3	5723.5	5844.3
47.5°	4379.5	4367.2	4476.5	4537.7	4565.7	4394.6	4270.1	4898.7	6212.5	6389.4
50°	4227.0	4203.3	4365.8	4494.5	4594.5	4434.1	4427.6	5225.9	6768.4	6961.8
52.5°	3953.0	3935.0	4119.8	4343.5	4531.2	4453.5	4604.5	5583.3	7296.2	7546.5
55°	3602.8	3579.1	3782.6	4074.5	4373.7	4447.0	4781.4	5983.1	7919.0	8172.8
57.5°	3047.6	3000.2	3257.6	3602.8	4117.0	4439.1	4965.5	6380.8	8551.8	8856.0
60°	2237.9	2167.4	2483.1	2892.3	3615.0	4362.2	5193.5	6826.6	9311.2	9585.2
62.5°	1303.0	1262.1	1468.4	1850.3	2724.8	3909.1	5321.5	7345.1	10057.6	10345.3
65°	1011.8	1000.3	1018.3	1047.8	1516.6	2926.8	4926.7	7850.7	11006.9	11208.2
67.5°	925.5	916.9	924.8	869.4	769.5	1630.2	3897.6	7978.7	12023.7	12146.0
70°	822.7	812.6	838.5	791.0	605.5	741.4	2518.4	7514.1	12832.7	13062.1
72.5°	670.2	658.7	719.1	697.5	509.9	476.1	1264.9	6410.3	12747.9	13223.9
75°	514.9	508.4	580.3	598.3	415.7	374.7	606.9	4764.9	11218.3	11698.0
77.5°	399.8	394.8	431.5	496.9	335.1	290.5	373.2	3022.5	8454.0	8538.1
80°	299.9	285.5	319.3	384.7	261.0	212.1	253.1	1762.6	5343.8	4844.0
82.5°	187.7	180.5	208.5	256.7	184.1	146.0	164.7	973.7	2141.5	1261.3
85°	107.1	104.3	113.6	146.7	100.0	84.1	94.2	430.0	391.2	269.0
87.5°	43.1	41.7	51.8	65.4	36.7	30.9	33.1	103.6	86.3	79.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P948658
 CATALOG NUMBER: GALN-SB3C-927-U-SL2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2729.1	0°	2729.1	2729.1	2729.1	2729.1	2729.1	2729.1	2729.1	2729.1	2729.1	2729.1
2739.9	2.5°	2737.0	2737.0	2726.9	2711.1	2693.1	2681.6	2662.9	2657.9	2638.5	2632.7
2764.3	5°	2770.1	2764.3	2733.4	2688.8	2627.7	2571.6	2509.7	2470.9	2416.2	2396.8
2812.5	7.5°	2811.8	2795.9	2742.7	2644.9	2516.9	2391.1	2260.2	2161.0	2066.0	2032.2
2852.0	10°	2849.9	2827.6	2737.0	2565.8	2344.3	2126.4	1917.9	1771.9	1661.2	1615.9
2895.9	12.5°	2888.0	2847.0	2698.9	2434.2	2099.1	1803.6	1581.3	1467.7	1399.4	1344.8
2931.9	15°	2923.9	2866.4	2639.9	2258.0	1830.2	1530.3	1366.3	1275.7	1221.1	1185.1
2984.4	17.5°	2965.7	2883.0	2551.4	2034.4	1574.2	1341.2	1207.4	1152.8	1142.0	1137.7
3056.3	20°	3023.9	2898.1	2434.9	1784.1	1385.7	1190.1	1121.1	1116.1	1115.4	1113.2
3142.6	22.5°	3086.5	2916.0	2281.1	1556.9	1225.4	1095.9	1083.7	1073.6	1067.2	1066.5
3246.8	25°	3160.5	2921.8	2088.3	1370.6	1088.8	1051.4	1037.0	1021.9	1017.6	1017.6
3365.5	27.5°	3232.5	2902.4	1864.0	1208.8	1011.8	1010.4	991.7	986.6	985.9	988.1
3500.7	30°	3304.4	2865.7	1641.0	1059.3	967.2	967.2	960.7	964.3	967.2	974.4
3686.2	32.5°	3401.4	2826.9	1454.8	948.5	928.4	921.2	927.7	934.9	937.7	947.1
3930.0	35°	3543.8	2799.5	1306.6	888.1	888.1	878.8	882.4	880.9	874.5	870.1
4224.8	37.5°	3732.2	2798.1	1184.4	860.1	854.3	852.9	853.6	844.2	819.1	788.9
4581.5	40°	3958.8	2836.9	1090.2	840.7	836.3	845.0	840.7	815.5	746.4	694.0
5020.2	42.5°	4263.0	2947.7	1029.8	816.9	829.9	840.7	823.4	736.4	689.6	654.4
5520.0	45°	4621.1	3127.5	998.9	791.8	817.6	830.6	747.2	709.1	671.7	629.2
6065.1	47.5°	5026.7	3354.0	991.7	768.0	790.3	798.2	714.8	697.5	655.1	609.1
6613.0	50°	5468.2	3622.2	1011.1	740.0	750.8	723.4	704.0	688.2	644.3	599.0
7174.7	52.5°	5924.8	3917.8	1049.9	701.9	711.2	681.0	699.7	686.0	637.9	576.7
7755.0	55°	6373.6	4215.5	1087.3	657.3	670.9	642.9	687.5	677.4	608.4	539.3
8374.2	57.5°	6829.5	4511.8	1124.0	617.7	632.1	606.2	668.1	654.4	575.3	504.8
9050.1	60°	7303.4	4799.4	1141.2	579.6	589.7	572.4	638.6	614.8	537.9	469.6
9714.6	62.5°	7747.1	5038.9	1113.2	541.5	548.0	540.8	599.7	568.1	500.5	430.0
10407.1	65°	8192.2	5181.3	1026.9	504.1	505.5	501.9	545.1	517.8	456.6	395.5
11013.3	67.5°	8595.7	5261.1	889.6	463.8	460.2	458.8	494.0	463.1	414.2	361.0
11474.3	70°	8681.2	5058.3	679.6	416.4	416.4	412.8	437.9	406.3	367.5	324.3
11144.2	72.5°	7929.0	4255.0	482.5	362.4	368.2	361.0	381.9	355.2	320.0	291.2
9604.6	75°	6393.7	3120.3	350.9	307.1	317.1	304.9	324.3	305.6	275.4	274.7
6618.8	77.5°	4393.1	1929.4	254.6	253.1	260.3	244.5	266.8	256.7	229.4	217.2
2880.8	80°	1874.8	769.5	185.5	195.6	195.6	181.2	207.1	210.0	186.3	180.5
555.9	82.5°	373.2	218.6	130.2	134.5	126.6	122.3	146.7	162.5	224.4	249.5
167.6	85°	112.2	80.5	78.4	73.4	64.7	65.4	86.3	163.2	201.4	115.1
55.4	87.5°	30.9	20.1	20.9	16.5	13.7	18.0	29.5	123.7	67.6	28.8
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>
2729.1
2642.1
2411.2
2036.6
1625.9
1362.7
1191.6
1140.5
1120.4
1074.4
1021.9
993.8
979.4
955.0
880.2
789.6
692.5
653.0
626.4
605.5
594.0
572.4
535.7
503.4
467.4
429.3
391.2
356.7
322.9
282.6
247.4
203.5
180.5
250.3
99.2
24.5
0.0

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