

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: P943256

Luminaire Tested: **GALN-SB7C-927-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943256
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-SB7C-927-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 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: 25425 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

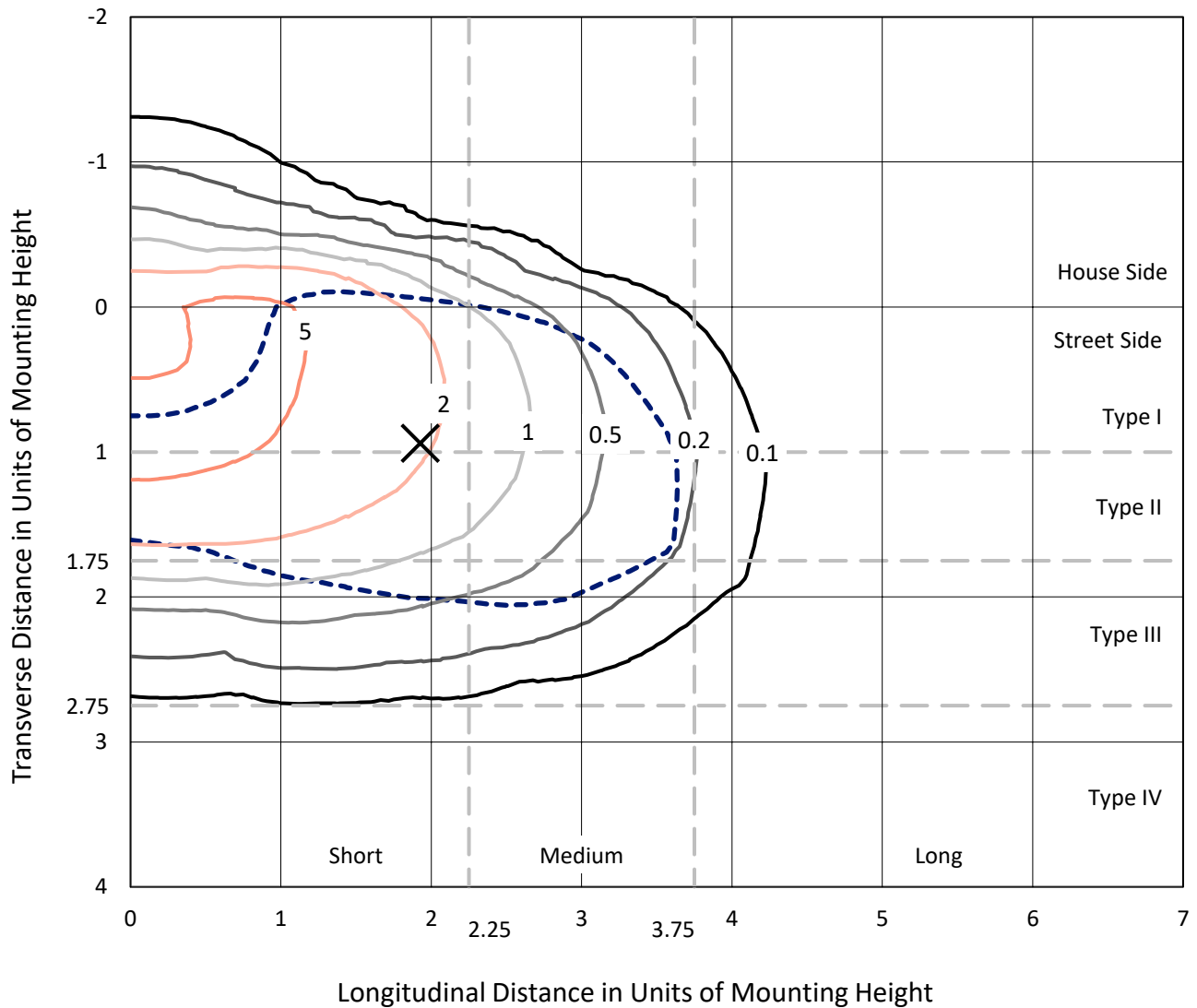
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

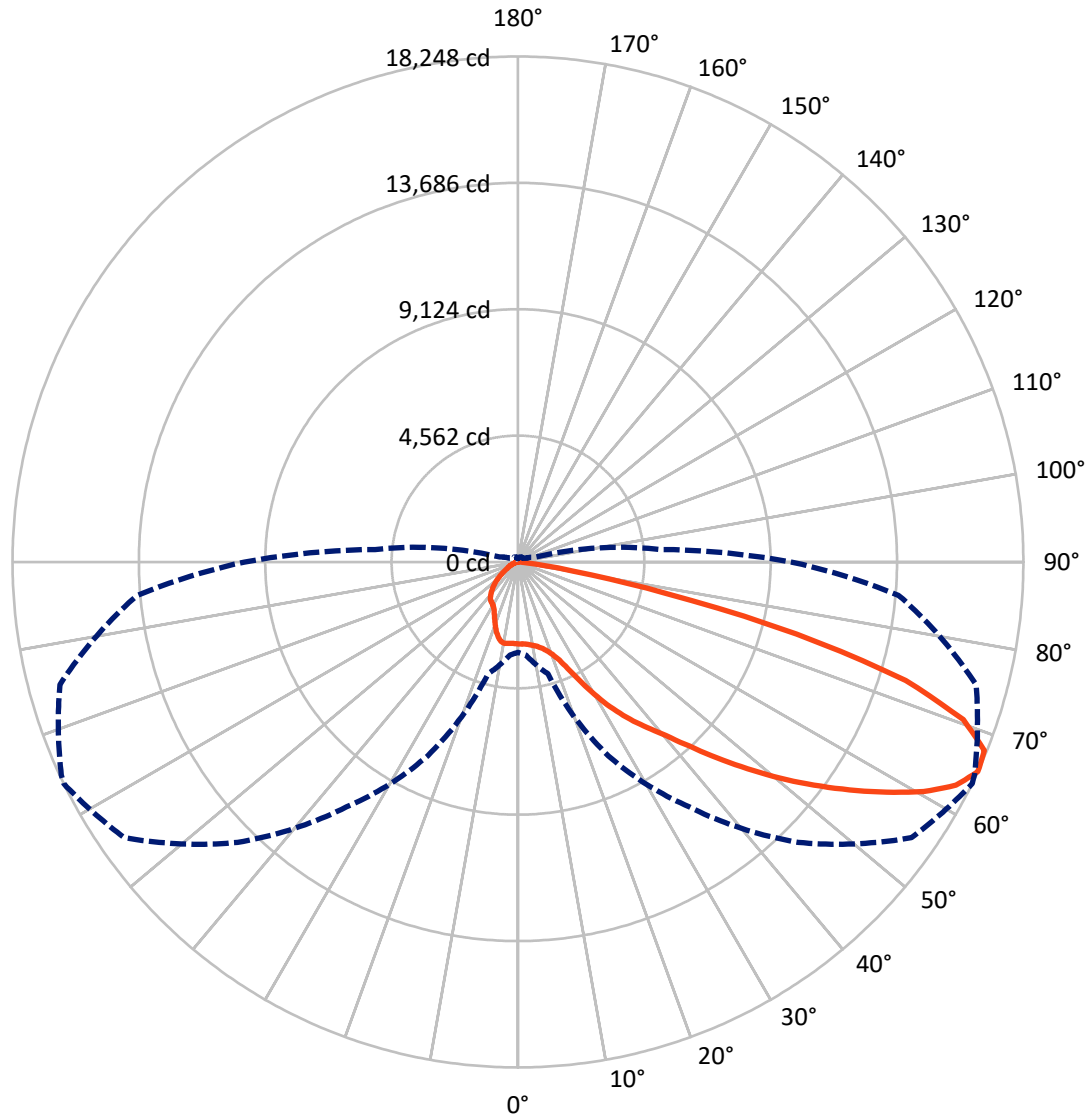
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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

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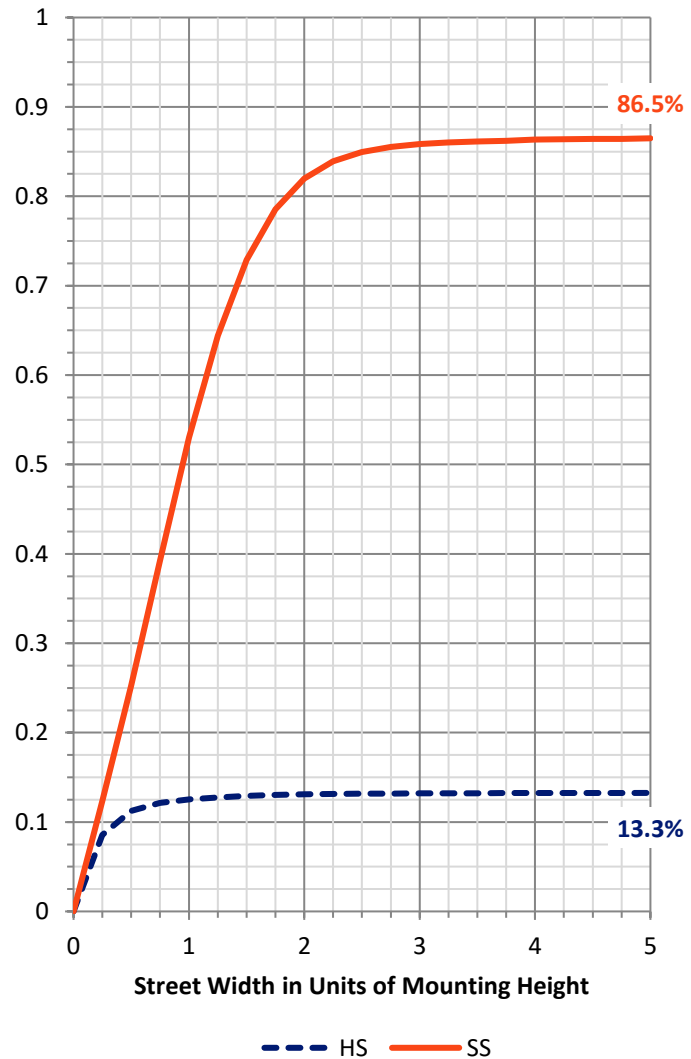
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3400.1	0.0	3400.1
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	22024.9	0.0	22024.9
	% Fixture	86.6	0.0	86.6
Total	Lumens	25425.0	0.0	25425.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.8	1.1
10°-20°	740.0	2.9
20°-30°	1402.2	5.5
30°-40°	2837.4	11.2
40°-50°	4833.6	19.0
50°-60°	6573.3	25.9
60°-70°	6172.7	24.3
70°-80°	2473.0	9.7
80°-90°	119.8	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°	25425.0	100.0
0°-180°	25425.0	100.0

Coefficient of Utilization



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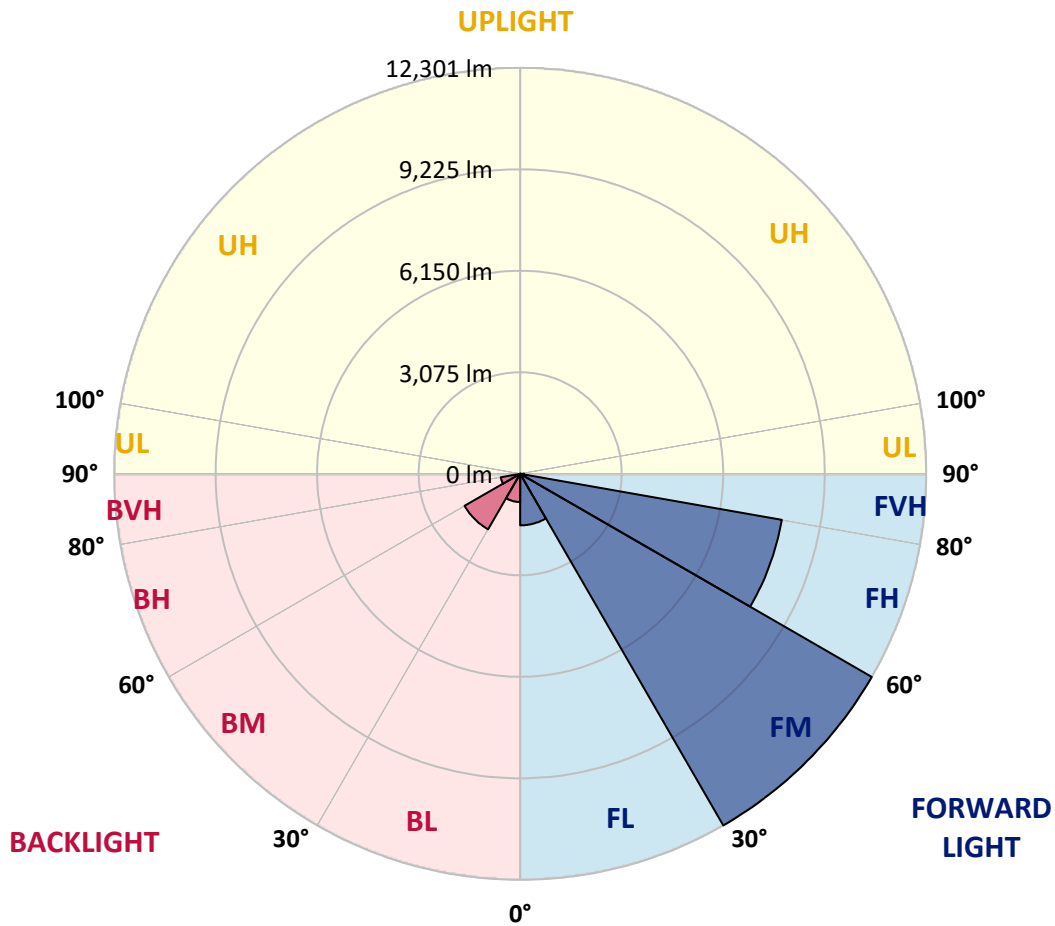
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1561.4	6.1			
FM (30°-60°)	12300.6	48.4			
FH (60°-80°)	8049.0	31.7			G4/12000
FVH (80°-90°)	114.0	0.4			G2/225
BL (0°-30°)	853.7	3.4	B2/1000		
BM (30°-60°)	1943.8	7.6	B2/2500		
BH (60°-80°)	596.8	2.3	B2/1000		G2/1000
BVH (80°-90°)	5.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2957.2	2957.2	2957.2	2957.2	2957.2	2957.2	2957.2	2957.2	2957.2	2957.2
2.5°	2947.0	2967.4	2962.3	2957.2	2955.5	2958.9	2960.6	2958.9	2958.9	2958.9
5°	2890.7	2907.8	2907.8	2919.7	2936.7	2957.2	2972.5	2975.9	2979.3	2984.5
7.5°	2783.3	2797.0	2807.2	2846.4	2889.0	2943.6	2989.6	3013.4	3016.8	3035.6
10°	2710.0	2727.1	2744.1	2785.0	2846.4	2928.2	3006.6	3064.6	3073.1	3117.4
12.5°	2706.6	2723.7	2745.8	2790.2	2861.7	2948.7	3044.1	3127.6	3143.0	3207.7
15°	2742.4	2762.9	2783.3	2837.9	2914.6	3020.3	3122.5	3226.5	3241.8	3333.9
17.5°	2815.7	2843.0	2858.3	2912.9	2994.7	3112.3	3246.9	3366.3	3379.9	3487.3
20°	2960.6	2993.0	2998.1	3042.4	3122.5	3248.6	3408.9	3557.2	3574.2	3696.9
22.5°	3260.6	3306.6	3265.7	3287.9	3359.4	3485.6	3659.4	3846.9	3870.8	4010.5
25°	3789.0	3853.7	3748.0	3710.6	3741.2	3872.5	4090.6	4327.6	4354.8	4467.3
27.5°	4827.0	4743.4	4583.2	4426.4	4334.4	4409.4	4654.8	4948.0	4982.1	5091.1
30°	5967.2	5893.9	5677.5	5329.8	5111.6	5099.7	5326.4	5653.6	5692.8	5796.8
32.5°	7109.2	7039.3	6804.1	6376.3	5997.9	5810.4	5967.2	6330.3	6350.7	6417.2
35°	8232.4	8160.8	7925.6	7487.6	7022.3	6596.2	6565.5	6974.5	6981.4	7051.2
37.5°	9362.5	9302.8	9052.2	8622.7	8164.2	7576.2	7291.6	7584.7	7593.2	7661.4
40°	10168.6	10194.2	10022.1	9689.7	9296.0	8653.4	8106.3	8234.1	8183.0	8297.2
42.5°	10860.6	10911.8	10761.8	10594.8	10366.4	9800.5	9115.3	9093.2	9011.3	9072.7
45°	11458.9	11501.5	11366.9	11327.7	11322.5	10925.4	10218.1	10085.1	9970.9	9959.0
47.5°	11678.8	11760.6	11818.5	11949.8	12205.4	12038.4	11358.3	11152.1	11024.3	10930.5
50°	11762.3	11849.2	12046.9	12428.7	13033.8	13105.4	12493.5	12261.7	12104.9	11934.4
52.5°	11649.8	11804.9	12070.8	12713.4	13591.1	13961.0	13582.6	13379.8	13200.8	12923.0
55°	10986.8	11141.9	11685.6	12710.0	13869.0	14561.0	14612.1	14521.8	14320.6	13882.6
57.5°	9589.1	9819.2	10680.0	12277.0	13863.9	15077.4	15621.1	15685.9	15460.9	14833.7
60°	7652.9	7964.8	9014.7	11317.4	13436.0	15356.9	16505.7	16829.6	16591.0	15771.1
62.5°	5340.0	5701.3	6695.0	9814.1	12457.7	15155.8	17151.7	17750.0	17569.3	16609.7
65°	3257.2	3373.1	4174.2	7722.8	10794.2	14313.8	17351.1	18247.7	18188.0	17122.7
67.5°	2169.7	2266.9	2497.0	5295.7	8379.0	12631.6	16873.9	18160.7	18177.8	17039.2
70°	1307.3	1390.8	1540.8	3079.9	5430.3	9998.2	15396.1	17052.9	17151.7	15922.8
72.5°	538.6	594.8	731.2	1395.9	2812.3	6345.6	12260.0	14641.1	14871.2	13388.3
75°	305.1	334.1	429.5	700.5	1220.4	2957.2	7426.2	10393.6	10732.8	9227.8
77.5°	202.8	216.5	277.8	453.4	686.9	1009.0	3173.7	5415.0	6062.7	5040.0
80°	136.4	148.3	190.9	303.4	446.6	432.9	1010.7	2006.1	2468.0	1731.7
82.5°	92.0	93.7	136.4	199.4	282.9	209.6	298.3	623.8	784.0	501.1
85°	52.8	51.1	100.6	115.9	126.1	86.9	90.3	187.5	245.4	211.3
87.5°	6.8	10.2	39.2	30.7	17.0	18.7	18.7	32.4	47.7	51.1
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°
2957.2	0°	2957.2	2957.2	2957.2	2957.2	2957.2	2957.2	2957.2	2957.2	2957.2	2957.2
2960.6	2.5°	2960.6	2958.9	2953.8	2948.7	2936.7	2929.9	2933.3	2929.9	2928.2	2929.9
2982.8	5°	2982.8	2977.6	2964.0	2947.0	2923.1	2894.1	2875.4	2848.1	2822.5	2807.2
3042.4	7.5°	3042.4	3037.3	3018.6	2970.8	2894.1	2773.1	2662.3	2565.2	2491.9	2449.3
3137.9	10°	3137.9	3129.3	3100.4	2994.7	2793.6	2529.4	2309.5	2127.1	2007.8	1951.6
3250.4	12.5°	3250.4	3240.1	3189.0	2972.5	2602.7	2190.2	1886.8	1684.0	1573.2	1523.8
3379.9	15°	3383.3	3369.7	3269.1	2866.9	2324.8	1815.2	1537.4	1385.7	1314.1	1269.8
3545.2	17.5°	3548.6	3524.8	3328.8	2708.3	2023.2	1528.9	1322.6	1208.4	1145.4	1102.8
3761.7	20°	3763.4	3724.2	3376.5	2519.2	1745.3	1348.2	1177.8	1082.3	1034.6	997.1
4068.5	22.5°	4063.4	4007.1	3434.4	2314.6	1549.3	1223.8	1070.4	1000.5	961.3	918.7
4496.3	25°	4434.9	4368.5	3506.0	2125.4	1414.7	1116.4	992.0	934.0	888.0	838.6
5057.1	27.5°	4954.8	4835.5	3591.2	1970.3	1298.8	1024.4	920.4	855.6	802.8	761.9
5692.8	30°	5534.3	5338.3	3666.2	1876.6	1193.1	939.1	826.7	761.9	712.5	683.5
6263.8	32.5°	6083.1	5817.2	3715.7	1835.7	1097.7	842.0	724.4	654.5	617.0	608.5
6822.8	35°	6601.3	6250.2	3710.6	1796.5	1012.4	744.8	623.8	552.2	523.3	528.4
7424.5	37.5°	7197.8	6712.1	3674.8	1735.1	942.6	656.2	536.9	473.8	448.3	450.0
8155.7	40°	7891.5	7245.5	3652.6	1619.2	865.9	574.4	465.3	414.2	395.4	388.6
8926.1	42.5°	8631.2	7762.0	3656.0	1488.0	770.4	501.1	415.9	373.3	356.2	351.1
9783.4	45°	9374.4	8254.6	3661.1	1351.6	669.8	444.9	380.1	344.3	334.1	327.3
10652.7	47.5°	10073.2	8673.9	3565.7	1205.0	571.0	402.2	351.1	327.3	318.7	310.2
11525.4	50°	10724.3	8953.4	3335.6	1034.6	492.6	368.2	329.0	311.9	303.4	294.9
12316.2	52.5°	11230.5	8997.7	2955.5	859.0	438.0	342.6	315.3	300.0	289.8	281.2
12955.4	55°	11455.5	8719.9	2415.2	695.4	395.4	320.4	301.7	286.3	274.4	265.9
13458.2	57.5°	11397.5	8135.3	1883.4	559.1	354.5	298.3	284.6	274.4	260.8	247.1
13865.6	60°	11112.9	7352.9	1419.8	465.3	317.0	274.4	265.9	257.4	238.6	218.2
14022.4	62.5°	10620.3	6369.5	1012.4	385.2	276.1	247.1	243.7	236.9	209.6	172.1
13790.6	65°	9867.0	5174.7	681.8	320.4	236.9	216.5	218.2	206.2	170.4	127.8
12941.8	67.5°	8765.9	3783.8	436.3	262.5	197.7	180.7	182.4	175.6	144.9	109.1
11332.8	70°	7363.2	2505.5	284.6	199.4	158.5	139.8	150.0	151.7	122.7	88.6
8697.7	72.5°	5397.9	1479.4	199.4	148.3	115.9	97.2	122.7	126.1	98.9	66.5
5232.6	75°	3076.5	702.2	150.0	107.4	71.6	68.2	95.4	95.4	68.2	44.3
2265.2	77.5°	1292.0	293.2	105.7	69.9	40.9	39.2	64.8	59.7	34.1	20.5
552.2	80°	373.3	131.2	56.2	34.1	17.0	15.3	25.6	18.7	8.5	3.4
209.6	82.5°	146.6	58.0	22.2	13.6	6.8	6.8	3.4	0.0	0.0	0.0
119.3	85°	86.9	23.9	10.2	5.1	1.7	0.0	0.0	0.0	0.0	0.0
25.6	87.5°	22.2	5.1	3.4	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

180°
2957.2
2936.7
2810.6
2451.0
1946.5
1518.6
1271.5
1099.4
990.3
911.9
833.5
753.4
678.4
613.6
528.4
456.8
386.9
349.4
327.3
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294.9
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