

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: P951524

Luminaire Tested: **GALN-SB5C-927-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951524
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5C-927-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23336 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

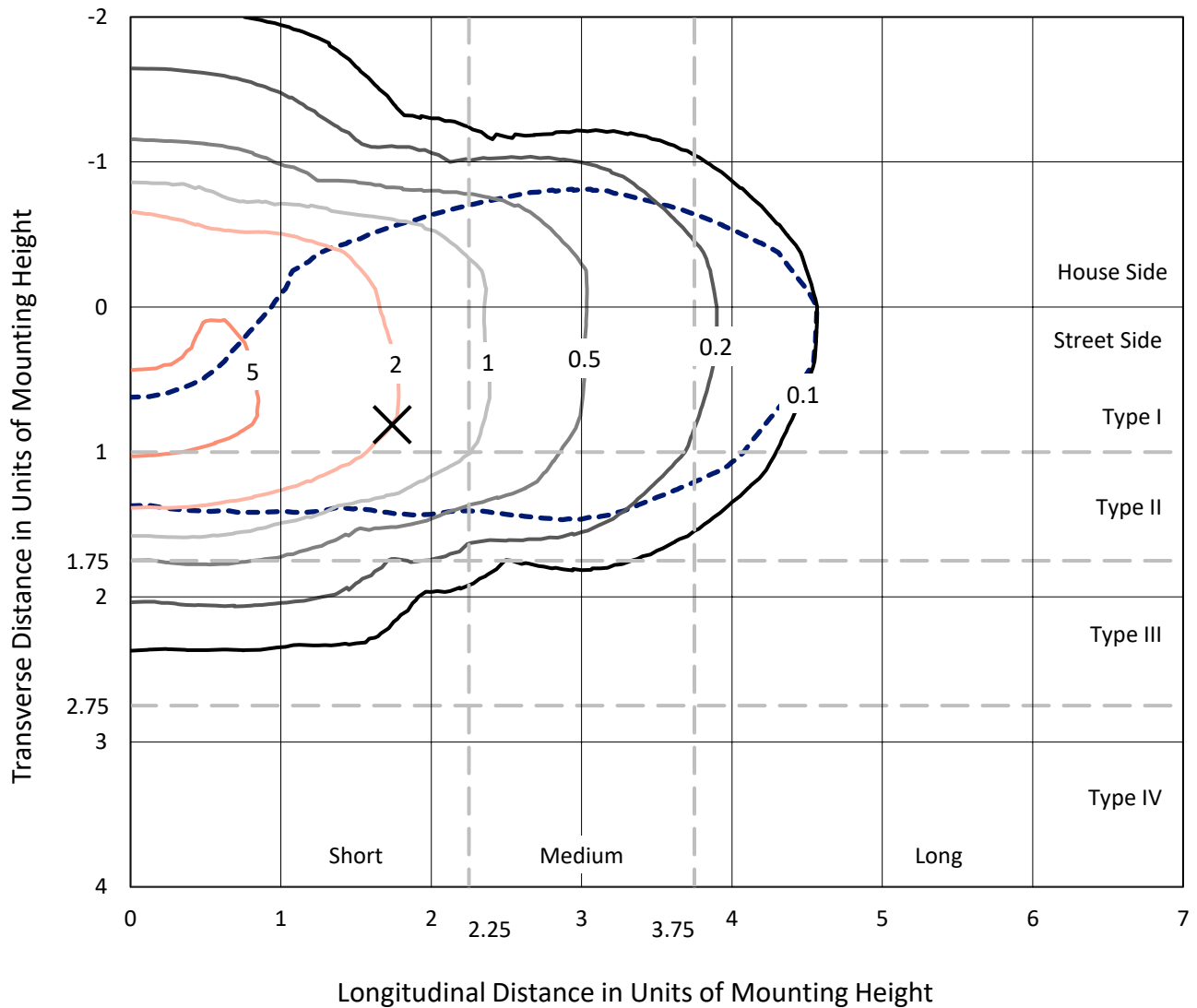
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

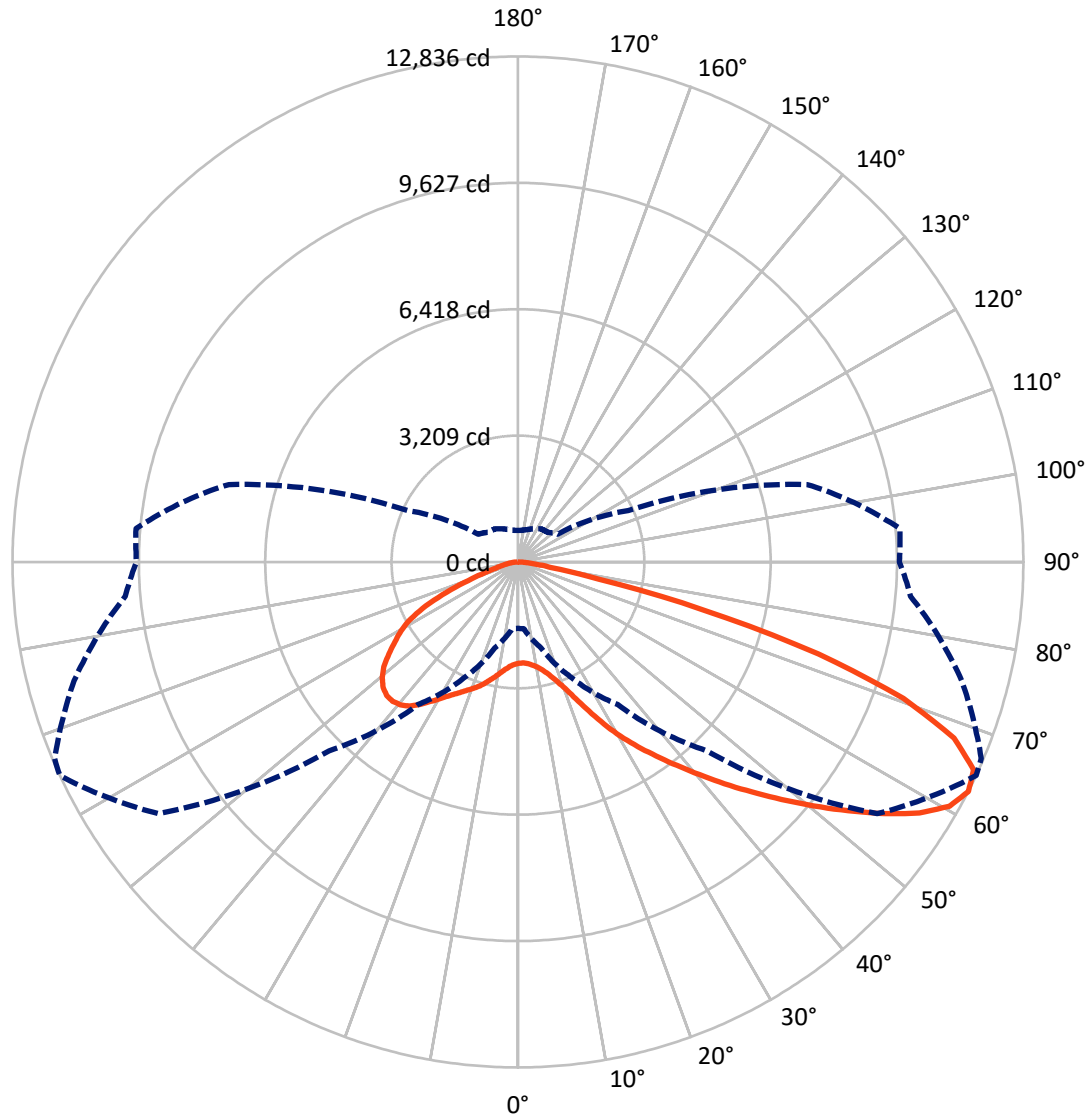
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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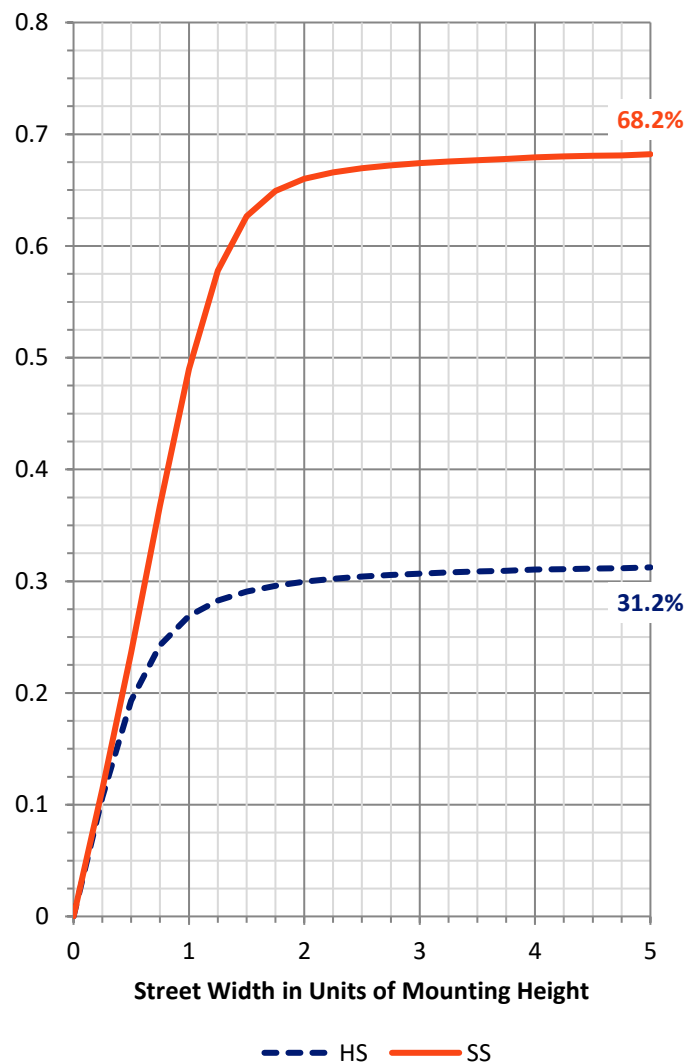
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7363.8	0.0	7363.8
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	15972.2	0.0	15972.2
	% Fixture	68.4	0.0	68.4
Total	Lumens	23336.0	0.0	23336.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.4	1.1
10°-20°	869.4	3.7
20°-30°	1762.8	7.6
30°-40°	3050.5	13.1
40°-50°	4616.4	19.8
50°-60°	5412.4	23.2
60°-70°	4537.6	19.4
70°-80°	2505.1	10.7
80°-90°	325.4	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°	23336.0	100.0
0°-180°	23336.0	100.0

Coefficient of Utilization



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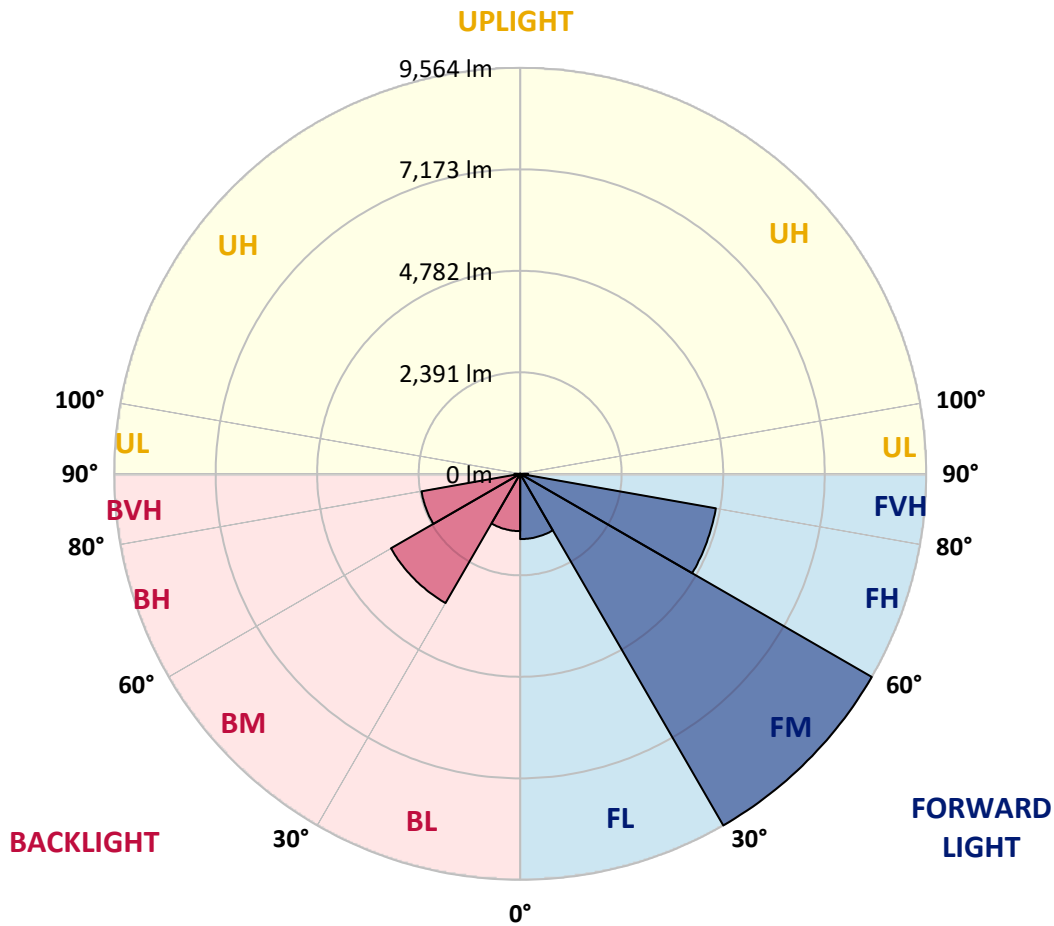
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1538.2	6.6			
FM (30°-60°)	9563.9	41.0			
FH (60°-80°)	4680.5	20.1			G2/5000
FVH (80°-90°)	189.7	0.8			G2/225
BL (0°-30°)	1350.4	5.8	B3/2500		
BM (30°-60°)	3515.4	15.1	B3/5000		
BH (60°-80°)	2362.3	10.1	B3/2500		G3/2500
BVH (80°-90°)	135.7	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	2571.5	2571.5	2571.5	2571.5	2571.5	2571.5	2571.5	2571.5	2571.5	2571.5
2.5°	2554.6	2547.3	2553.4	2553.4	2555.8	2554.6	2563.1	2565.5	2569.1	2576.4
5°	2529.2	2527.9	2538.8	2548.5	2558.2	2566.7	2577.6	2593.3	2595.7	2604.2
7.5°	2520.7	2513.4	2530.4	2542.5	2565.5	2586.1	2615.1	2641.7	2652.6	2656.3
10°	2586.1	2573.9	2589.7	2597.0	2616.3	2636.9	2670.8	2713.2	2725.3	2739.8
12.5°	2697.4	2684.1	2707.1	2718.0	2736.2	2754.3	2777.3	2818.5	2824.6	2851.2
15°	2850.0	2834.2	2848.8	2862.1	2892.4	2909.3	2932.3	2972.3	2972.3	2992.8
17.5°	3057.0	3036.4	3047.3	3052.2	3071.5	3097.0	3135.7	3170.8	3189.0	3181.7
20°	3365.7	3340.3	3340.3	3316.1	3308.8	3329.4	3380.3	3428.7	3448.1	3410.5
22.5°	3829.4	3793.1	3772.5	3690.2	3657.5	3659.9	3710.8	3770.1	3785.9	3719.3
25°	4419.1	4362.2	4334.3	4213.2	4139.4	4075.2	4115.2	4191.4	4213.2	4130.9
27.5°	5008.7	5012.3	4985.7	4840.4	4718.1	4600.7	4580.1	4660.0	4683.0	4589.8
30°	5835.6	5749.6	5698.8	5524.4	5350.1	5185.4	5100.7	5133.4	5139.4	5028.0
32.5°	6548.7	6526.9	6417.9	6265.4	6041.4	5783.5	5641.9	5589.8	5580.1	5421.5
35°	7361.1	7348.9	7233.9	7052.3	6810.2	6451.8	6196.4	6047.4	6035.3	5812.6
37.5°	8186.8	8186.8	8074.2	7875.6	7625.0	7177.0	6788.4	6552.3	6513.6	6223.0
40°	8845.4	8805.4	8826.0	8742.5	8455.5	7979.7	7445.8	7103.2	7051.1	6702.4
42.5°	9219.5	9206.2	9329.7	9422.9	9305.4	8925.3	8169.8	7700.0	7627.4	7230.3
45°	9303.0	9288.5	9508.8	9850.3	10014.9	9858.7	8956.8	8328.4	8240.0	7782.4
47.5°	9110.5	9081.5	9404.7	9943.5	10471.3	10746.2	9809.1	9010.0	8881.7	8319.9
50°	8531.8	8504.0	8993.1	9708.6	10625.1	11349.1	10734.1	9732.8	9536.7	8896.2
52.5°	7273.9	7287.2	8053.6	9036.7	10422.9	11724.4	11530.7	10494.3	10258.3	9485.8
55°	5666.1	5695.1	6637.1	7719.4	9614.2	11667.5	12074.3	11278.9	11044.0	10040.3
57.5°	4057.1	4185.4	5068.0	6139.5	8060.8	10765.5	12193.0	12024.7	11797.1	10645.7
60°	2629.6	2652.6	3560.7	4640.6	6138.2	9162.6	11952.0	12590.1	12412.1	11263.1
62.5°	1685.3	1701.0	2254.3	3245.9	4417.8	6778.7	11140.9	12835.8	12781.4	11671.1
65°	1238.5	1226.4	1514.6	2145.4	2975.9	4180.5	9565.7	12717.2	12824.9	11926.6
67.5°	1033.9	1017.0	1158.6	1485.5	2192.6	2374.2	7077.8	11946.0	12340.7	11897.5
70°	941.9	927.4	1013.4	1102.9	1710.7	1589.6	3567.9	10385.4	10993.2	11567.0
72.5°	797.9	772.4	889.9	979.5	1330.6	1219.2	1474.6	7977.3	8718.2	10507.7
75°	618.7	601.7	702.2	862.0	1000.0	951.6	932.2	4844.0	5652.8	8126.2
77.5°	490.3	467.3	559.3	671.9	899.5	717.9	679.2	2086.0	2887.5	5187.8
80°	369.3	348.7	425.0	531.5	691.3	541.2	439.5	851.1	1088.4	2628.4
82.5°	262.7	244.6	296.6	389.8	464.9	485.5	270.0	477.0	536.3	1013.4
85°	168.3	157.4	198.6	244.6	295.4	312.4	164.7	249.4	273.6	417.7
87.5°	92.0	75.1	106.5	113.8	136.8	124.7	78.7	90.8	98.1	151.3
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°
2571.5	0°	2571.5	2571.5	2571.5	2571.5	2571.5	2571.5	2571.5	2571.5	2571.5	2571.5
2576.4	2.5°	2581.2	2584.8	2597.0	2600.6	2609.1	2620.0	2627.2	2634.5	2634.5	2641.7
2615.1	5°	2616.3	2624.8	2650.2	2663.5	2685.3	2707.1	2720.4	2736.2	2745.9	2750.7
2676.9	7.5°	2684.1	2697.4	2733.8	2756.8	2794.3	2824.6	2845.1	2866.9	2871.8	2885.1
2762.8	10°	2776.1	2791.9	2833.0	2876.6	2921.4	2958.9	2978.3	2994.1	3000.1	3002.5
2873.0	12.5°	2881.5	2904.5	2957.7	3011.0	3058.2	3090.9	3095.8	3092.1	3075.2	3060.6
3008.6	15°	3011.0	3031.6	3090.9	3149.0	3195.0	3201.1	3170.8	3151.5	3130.9	3127.2
3159.9	17.5°	3166.0	3176.9	3231.4	3288.3	3291.9	3271.3	3226.5	3208.4	3189.0	3175.7
3357.3	20°	3346.4	3342.7	3381.5	3405.7	3380.3	3317.3	3249.5	3219.3	3199.9	3184.1
3599.4	22.5°	3561.9	3534.0	3529.2	3523.1	3455.3	3323.4	3231.4	3192.6	3162.3	3140.6
3937.2	25°	3875.4	3768.9	3695.1	3653.9	3501.3	3290.7	3173.2	3087.3	3030.4	2992.8
4350.0	27.5°	4267.7	4088.5	3902.1	3801.6	3501.3	3224.1	3032.8	2893.6	2800.3	2761.6
4749.6	30°	4641.8	4454.2	4179.3	3979.6	3492.9	3115.1	2806.4	2612.7	2503.7	2465.0
5091.0	32.5°	4961.4	4756.8	4473.5	4174.5	3472.3	2938.4	2525.5	2311.2	2205.9	2159.9
5428.8	35°	5258.1	5040.1	4768.9	4388.8	3417.8	2679.3	2216.8	2053.3	1935.9	1862.1
5772.6	37.5°	5562.0	5302.9	5048.6	4582.5	3319.7	2376.6	1979.5	1840.3	1702.2	1603.0
6138.2	40°	5892.5	5582.5	5347.7	4697.5	3158.7	2088.5	1795.5	1668.3	1521.8	1416.5
6559.6	42.5°	6278.7	5917.9	5680.6	4756.8	2938.4	1883.8	1675.6	1550.9	1412.9	1326.9
7011.2	45°	6681.9	6287.2	5984.5	4755.6	2692.6	1788.2	1636.9	1513.4	1360.8	1271.2
7474.9	47.5°	7104.4	6673.4	6247.2	4678.1	2479.5	1801.5	1615.1	1432.3	1264.0	1176.8
7943.4	50°	7528.1	7095.9	6501.5	4532.9	2388.7	1772.5	1534.0	1318.5	1119.9	1041.2
8382.9	52.5°	7948.2	7545.1	6720.6	4325.8	2296.7	1664.7	1429.8	1170.7	1060.6	1006.1
8836.9	55°	8370.8	7989.4	6959.1	4024.4	2066.7	1538.8	1255.5	1115.1	1013.4	963.7
9281.2	57.5°	8794.5	8502.7	7185.5	3722.9	1777.3	1383.8	1159.9	1047.3	966.1	923.8
9652.9	60°	9235.2	9089.9	7419.2	3445.7	1491.6	1185.3	1089.6	992.8	910.4	863.2
10010.1	62.5°	9689.2	9736.4	7602.0	3088.5	1228.9	1064.2	1026.7	927.4	847.5	802.7
10305.5	65°	10146.9	10360.0	7721.8	2593.3	996.4	949.2	958.9	856.0	774.8	736.1
10522.2	67.5°	10491.9	10809.1	7687.9	1962.5	817.2	840.2	874.1	780.9	704.6	674.4
10487.1	70°	10530.7	10755.9	7353.8	1343.9	684.0	733.7	779.7	707.0	628.4	606.6
9993.1	72.5°	10014.9	10029.4	6422.8	877.8	578.7	644.1	680.4	632.0	555.7	533.9
8742.5	75°	8662.6	8294.5	4715.7	578.7	484.3	553.3	587.2	553.3	479.4	484.3
6541.4	77.5°	6563.2	5874.3	2863.3	411.6	404.4	464.9	510.9	486.7	423.7	475.8
3289.5	80°	3381.5	3178.1	1277.3	307.5	319.6	371.7	420.1	388.6	335.4	319.6
734.9	82.5°	774.8	900.8	503.7	220.3	231.2	267.6	320.8	291.8	240.9	203.4
306.3	85°	271.2	296.6	222.8	138.0	135.6	167.1	217.9	194.9	163.4	130.8
129.5	87.5°	86.0	112.6	83.5	55.7	58.1	75.1	100.5	92.0	76.3	49.6
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>
2571.5
2641.7
2753.1
2880.3
2996.5
3060.6
3127.2
3176.9
3185.4
3147.8
3007.4
2781.0
2488.0
2182.9
1886.3
1629.6
1437.1
1343.9
1285.8
1188.9
1046.0
1006.1
958.9
916.5
859.6
801.5
734.9
675.6
607.8
532.7
467.3
418.9
291.8
201.0
138.0
52.1
0.0

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