

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: P956526

Luminaire Tested: **GALN-SB9A-927-U-T4W**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P956526  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB9A-927-U-T4W  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

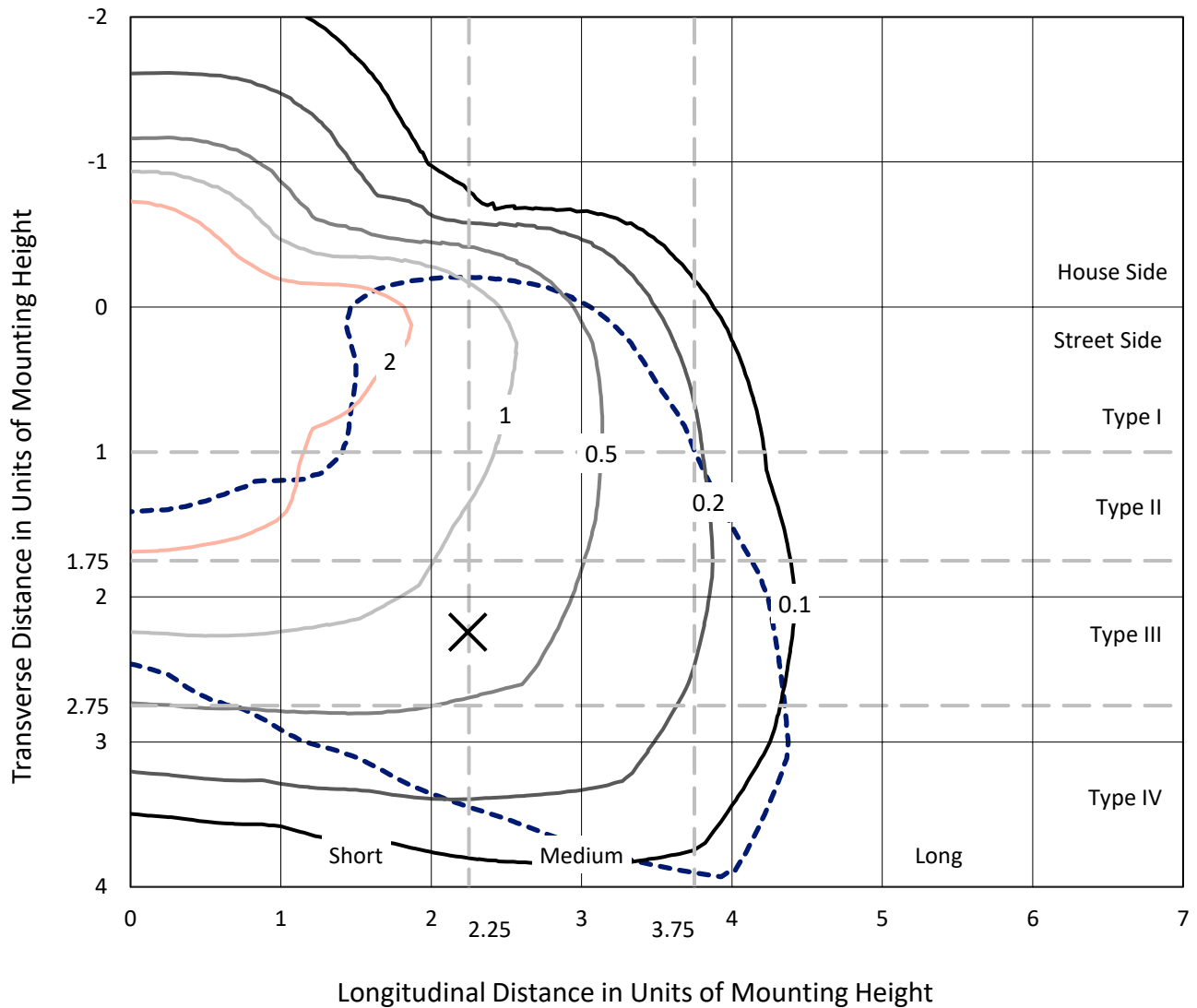
Lumens per Lamp: N/A  
Luminaire Lumens: 24822 lumens  
Efficiency: N/A  
Efficacy: 97.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

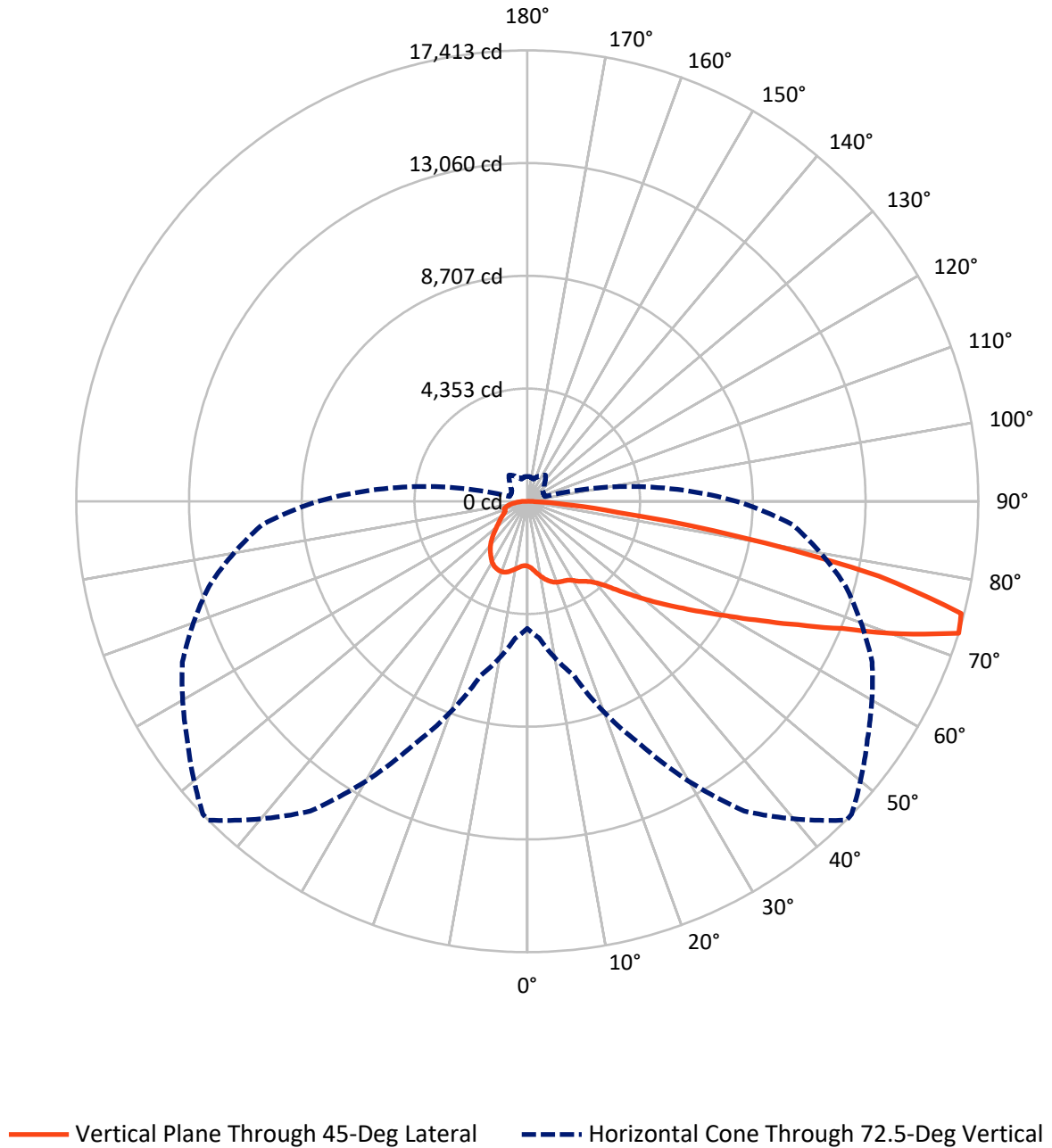
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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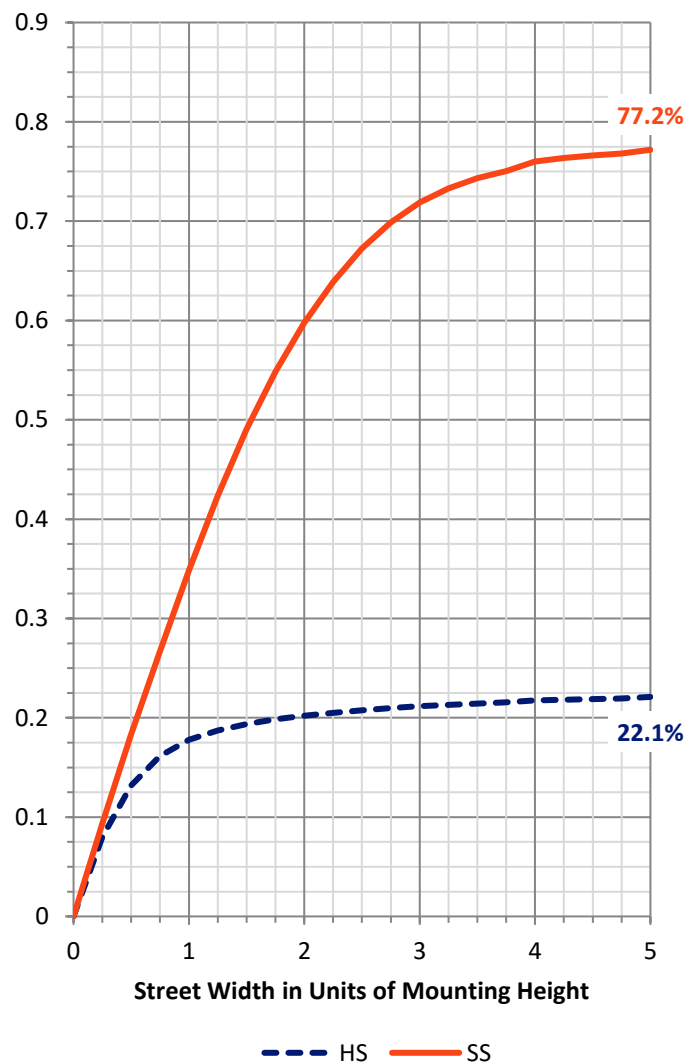
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5611.4	0.0	5611.4
	% Fixture	22.6	0.0	22.6
<b>Street Side</b>	Lumens	19210.6	0.0	19210.6
	% Fixture	77.4	0.0	77.4
<b>Total</b>	Lumens	24822.0	0.0	24822.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	254.9	1.0
10°-20°	849.7	3.4
20°-30°	1478.2	6.0
30°-40°	2119.1	8.5
40°-50°	2983.8	12.0
50°-60°	4570.2	18.4
60°-70°	6620.7	26.7
70°-80°	5287.0	21.3
80°-90°	658.5	2.7
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°	24822.0	100.0
0°-180°	24822.0	100.0

**Coefficient of Utilization**



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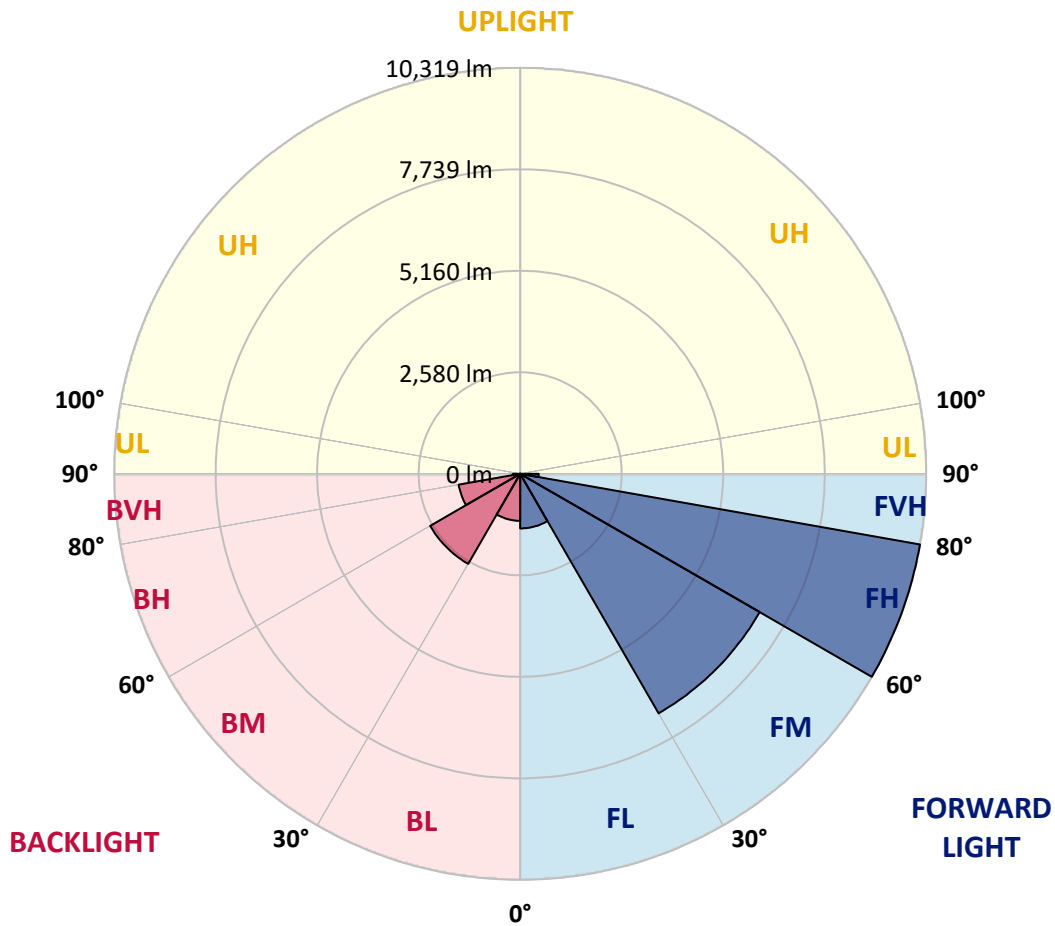
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1388.1	5.6			
FM (30°-60°)	7030.9	28.3			
FH (60°-80°)	10319.2	41.6			G4/12000
FVH (80°-90°)	472.4	1.9			G3/500
BL (0°-30°)	1194.7	4.8	B3/2500		
BM (30°-60°)	2642.2	10.6	B3/5000		
BH (60°-80°)	1588.4	6.4	B3/2500		G3/2500
BVH (80°-90°)	186.1	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	2504.1	2504.1	2504.1	2504.1	2504.1	2504.1	2504.1	2504.1	2504.1	2504.1
2.5°	2602.1	2619.1	2603.4	2589.1	2582.5	2565.5	2564.2	2553.7	2547.2	2528.9
5°	2783.9	2806.1	2780.0	2751.2	2725.0	2683.2	2678.0	2647.9	2613.9	2574.7
7.5°	2989.2	3008.8	2978.7	2935.6	2889.8	2820.5	2819.2	2764.3	2710.7	2644.0
10°	3168.3	3194.5	3153.9	3095.1	3037.6	2959.1	2949.9	2887.2	2819.2	2732.9
12.5°	3326.5	3344.8	3305.6	3233.7	3167.0	3088.6	3076.8	3007.5	2931.6	2833.6
15°	3452.1	3475.6	3423.3	3346.2	3275.5	3198.4	3187.9	3125.2	3049.3	2946.0
17.5°	3534.4	3554.1	3500.4	3414.1	3346.2	3282.1	3274.2	3221.9	3155.2	3050.6
20°	3565.8	3586.8	3530.5	3442.9	3380.1	3330.5	3326.5	3288.6	3242.9	3147.4
22.5°	3597.2	3616.8	3543.6	3452.1	3397.1	3365.8	3364.5	3339.6	3321.3	3242.9
25°	3724.0	3729.3	3631.2	3499.1	3420.7	3393.2	3391.9	3390.6	3398.5	3337.0
27.5°	3833.9	3832.6	3748.9	3624.7	3503.1	3445.5	3444.2	3457.3	3482.1	3431.1
30°	3994.7	3980.3	3881.0	3751.5	3640.4	3551.4	3543.6	3531.8	3551.4	3510.9
32.5°	4336.0	4290.2	4129.4	3899.3	3754.1	3686.1	3675.7	3602.4	3610.3	3585.4
35°	4825.0	4764.9	4550.5	4179.1	3895.3	3798.6	3793.4	3700.5	3684.8	3662.6
37.5°	5406.9	5332.4	5082.6	4584.5	4138.6	3929.3	3921.5	3837.8	3773.7	3750.2
40°	5991.4	5897.3	5690.7	5078.7	4496.8	4147.7	4122.9	3996.0	3922.8	3883.6
42.5°	6558.9	6480.5	6303.9	5633.1	4938.8	4466.8	4411.8	4194.8	4139.9	4103.3
45°	7061.0	6990.4	6861.0	6225.5	5456.6	4900.9	4847.3	4492.9	4475.9	4475.9
47.5°	7469.0	7453.3	7316.0	6829.6	6067.3	5395.2	5302.3	4907.4	4953.2	5023.8
50°	7921.4	7878.3	7731.8	7424.6	6785.1	5961.4	5885.5	5416.1	5587.4	5780.9
52.5°	8337.3	8360.8	8197.4	8044.4	7595.9	6592.9	6459.6	6016.3	6386.3	6706.7
55°	8764.9	8766.2	8720.4	8699.5	8445.8	7291.2	7144.7	6738.1	7326.5	7724.0
57.5°	9166.3	9168.9	9236.9	9421.3	9431.7	8096.7	7930.6	7624.6	8371.3	8776.6
60°	9524.6	9542.9	9728.6	10160.1	10298.7	9019.8	8862.9	8672.0	9451.3	9859.3
62.5°	9644.9	9711.6	10124.8	10738.0	11155.1	10152.2	9997.9	9884.2	10586.3	10965.5
65°	9440.9	9593.9	10392.8	11215.3	12036.5	11497.7	11344.7	11220.5	11765.8	12122.8
67.5°	8940.1	9137.5	10377.1	11716.1	13106.1	13116.5	12974.0	12682.4	13030.2	13167.5
70°	7620.7	7916.2	9463.1	11903.1	14333.9	15330.3	15193.0	14442.5	14292.1	13627.8
72.5°	4910.0	5307.6	6968.2	10364.0	14607.2	17413.3	17405.5	16031.2	14690.9	12733.4
75°	1791.4	2034.6	3237.6	6505.3	12261.4	17307.4	17358.4	15759.2	13410.8	9835.8
77.5°	652.5	714.0	1056.5	2500.1	7540.9	13886.7	13992.6	12598.7	9545.5	4936.2
80°	342.6	376.6	541.3	970.2	3231.1	8247.0	8413.1	7487.3	4486.4	1486.7
82.5°	189.6	205.3	303.4	527.0	1455.4	3526.6	3626.0	2957.8	1578.3	630.3
85°	102.0	108.5	142.5	287.7	711.3	1222.6	1250.1	883.9	629.0	370.1
87.5°	30.1	36.6	47.1	91.5	278.5	274.6	281.1	175.2	248.4	187.0
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°
2504.1	0°	2504.1	2504.1	2504.1	2504.1	2504.1	2504.1	2504.1	2504.1	2504.1	2504.1
2523.7	2.5°	2515.8	2511.9	2497.5	2491.0	2483.1	2481.8	2488.4	2489.7	2491.0	2492.3
2552.4	5°	2539.4	2526.3	2513.2	2505.4	2508.0	2509.3	2522.4	2531.5	2538.1	2543.3
2606.0	7.5°	2585.1	2574.7	2552.4	2551.1	2555.1	2566.8	2583.8	2604.7	2616.5	2625.7
2675.4	10°	2653.1	2633.5	2607.4	2611.3	2619.1	2636.1	2671.4	2688.4	2708.0	2725.0
2760.3	12.5°	2722.4	2705.4	2675.4	2678.0	2691.0	2721.1	2755.1	2776.0	2789.1	2802.2
2851.9	15°	2812.7	2782.6	2749.9	2749.9	2773.4	2806.1	2821.8	2838.8	2846.6	2861.0
2949.9	17.5°	2905.5	2866.3	2823.1	2820.5	2849.3	2865.0	2874.1	2876.7	2879.3	2895.0
3045.4	20°	2998.3	2955.2	2893.7	2888.5	2895.0	2892.4	2891.1	2888.5	2892.4	2912.0
3143.5	22.5°	3089.9	3040.2	2955.2	2931.6	2913.3	2888.5	2887.2	2885.9	2888.5	2908.1
3249.4	25°	3197.1	3136.9	3023.2	2952.6	2891.1	2857.1	2861.0	2862.3	2865.0	2880.6
3359.2	27.5°	3313.5	3246.8	3085.9	2946.0	2834.9	2811.3	2804.8	2808.7	2817.9	2842.7
3469.1	30°	3429.8	3351.4	3143.5	2919.9	2764.3	2731.6	2710.7	2719.8	2748.6	2773.4
3564.5	32.5°	3535.8	3457.3	3189.2	2862.3	2674.0	2623.0	2595.6	2607.4	2636.1	2645.3
3670.4	35°	3660.0	3571.1	3208.9	2770.8	2576.0	2497.5	2460.9	2443.9	2458.3	2449.1
3794.7	37.5°	3798.6	3705.7	3206.2	2650.5	2460.9	2370.7	2319.7	2255.6	2225.5	2194.2
3977.7	40°	4003.9	3870.5	3174.9	2505.4	2318.4	2236.0	2144.5	2035.9	1967.9	1906.5
4273.2	42.5°	4283.7	4099.3	3117.3	2345.8	2157.5	2080.4	1956.2	1829.3	1722.1	1620.1
4721.7	45°	4700.8	4398.8	3045.4	2175.8	1983.6	1907.8	1773.1	1630.6	1509.0	1378.2
5358.6	47.5°	5302.3	4801.5	2977.4	1982.3	1800.6	1731.3	1609.7	1477.6	1333.8	1206.9
6279.1	50°	6128.7	5379.5	2914.6	1794.0	1620.1	1567.8	1471.1	1336.4	1191.2	1089.2
7357.9	52.5°	7180.0	6165.3	2888.5	1612.3	1451.4	1431.8	1354.7	1229.1	1091.8	1005.5
8615.8	55°	8387.0	7105.5	2888.5	1438.4	1303.7	1310.2	1256.6	1140.2	1021.2	944.1
9912.9	57.5°	9618.7	8057.4	2836.2	1277.5	1178.1	1205.6	1171.6	1069.6	962.4	882.6
11276.8	60°	10753.7	8855.1	2624.4	1131.1	1067.0	1110.2	1087.9	1000.3	869.6	802.9
12417.0	62.5°	11625.9	9304.9	2216.4	1014.7	975.5	1025.2	1013.4	908.8	852.6	825.1
13353.2	65°	12062.6	9231.7	1694.7	911.4	898.3	975.5	950.6	946.7	902.2	870.9
13657.9	67.5°	11794.6	8601.4	1229.1	835.6	853.9	929.7	1025.2	1040.9	958.5	897.0
12800.1	70°	10619.0	7461.2	915.3	763.6	797.6	931.0	1169.0	1089.2	940.2	868.2
10266.0	72.5°	8078.4	5563.8	710.0	687.8	724.4	937.6	1233.1	1067.0	887.9	959.8
6395.5	75°	4619.8	3054.6	570.1	595.0	632.9	876.1	1200.4	1009.5	847.3	881.3
2534.1	77.5°	1761.3	1174.2	470.7	503.4	508.7	764.9	1148.1	1005.5	806.8	787.2
759.7	80°	610.6	459.0	389.7	400.1	393.6	680.0	1101.0	874.8	660.3	591.0
313.8	82.5°	249.8	228.8	308.6	295.5	279.8	528.3	889.2	715.3	540.0	477.3
151.7	85°	108.5	145.1	204.0	179.1	162.1	366.1	712.6	605.4	456.4	393.6
49.7	87.5°	22.2	54.9	86.3	81.1	83.7	244.5	506.0	430.2	323.0	241.9
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°  
2504.1  
2497.5  
2545.9  
2628.3  
2721.1  
2807.4  
2866.3  
2900.3  
2919.9  
2921.2  
2901.6  
2867.6  
2800.9  
2678.0  
2477.9  
2213.8  
1910.4  
1611.0  
1362.5  
1192.5  
1082.7  
999.0  
936.2  
869.6  
792.4  
815.9  
860.4  
886.6  
856.5  
*951.9*  
881.3  
717.9  
571.4  
472.0  
392.3  
189.6  
0.0

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