

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: STREETWORKS

Report Number: P848423

Luminaire Tested: **GLAN-SB5A-727-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848423  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5A-727-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

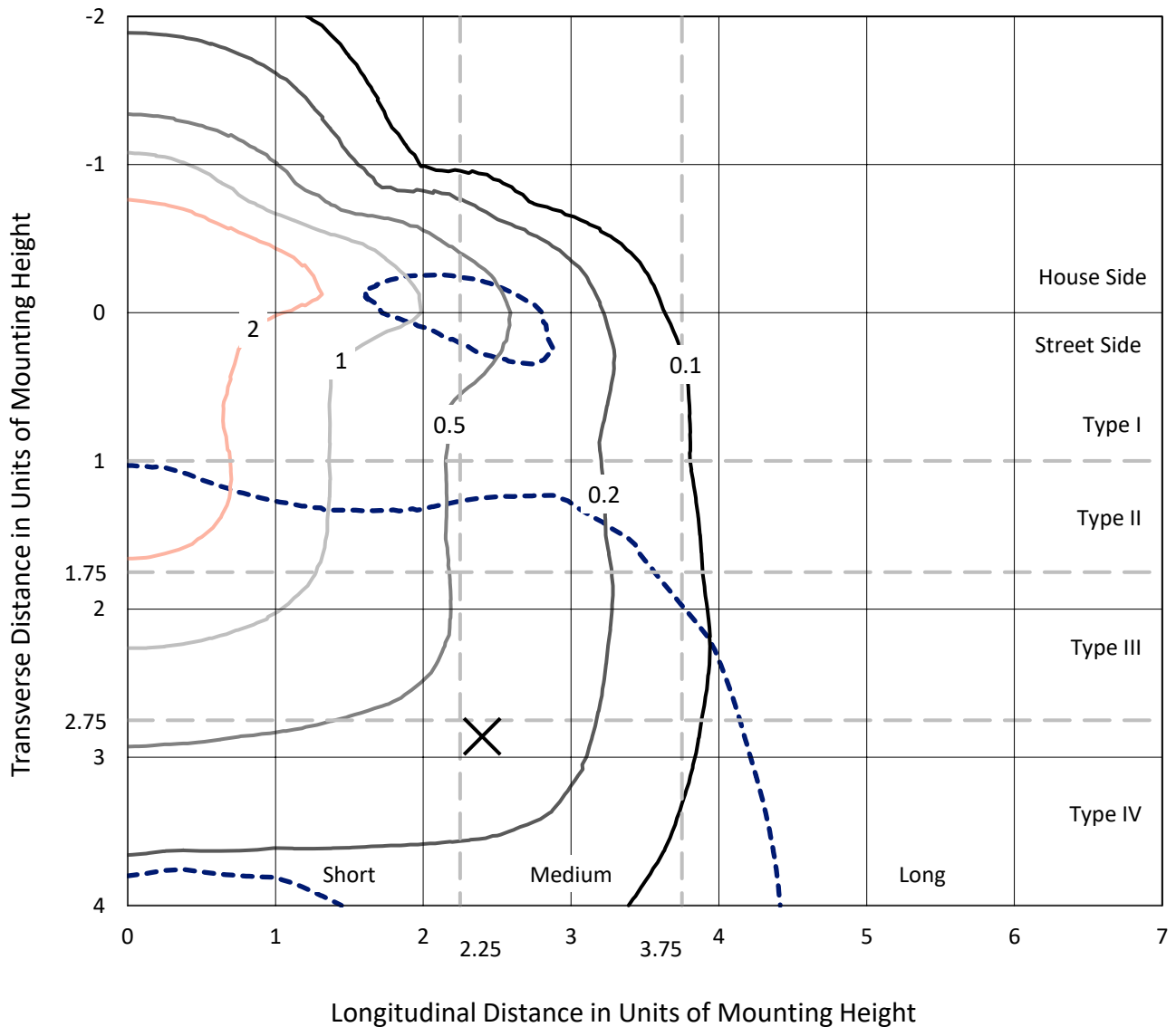
Lumens per Lamp: N/A  
Luminaire Lumens: 19975 lumens  
Efficiency: N/A  
Efficacy: 141.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

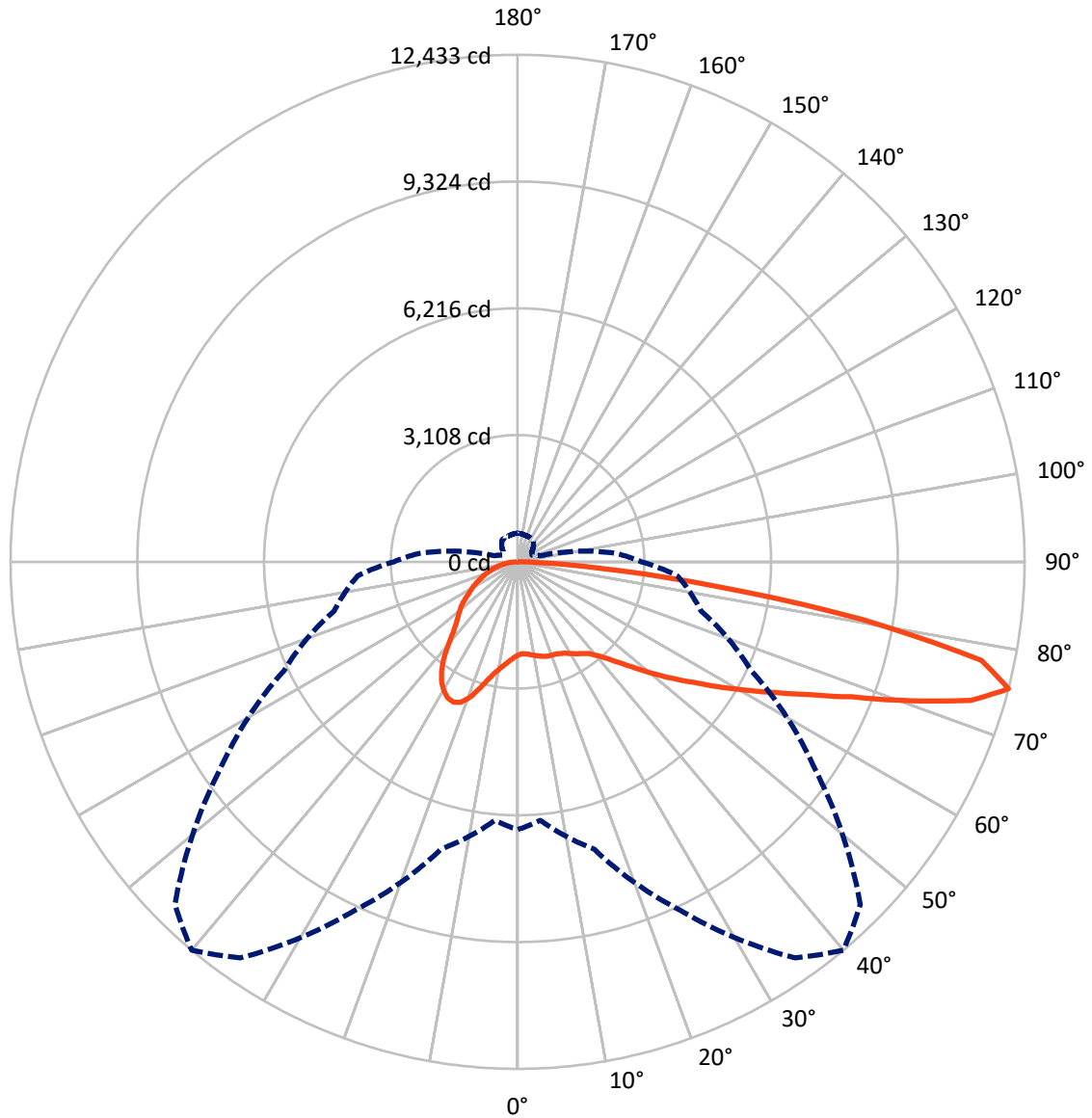
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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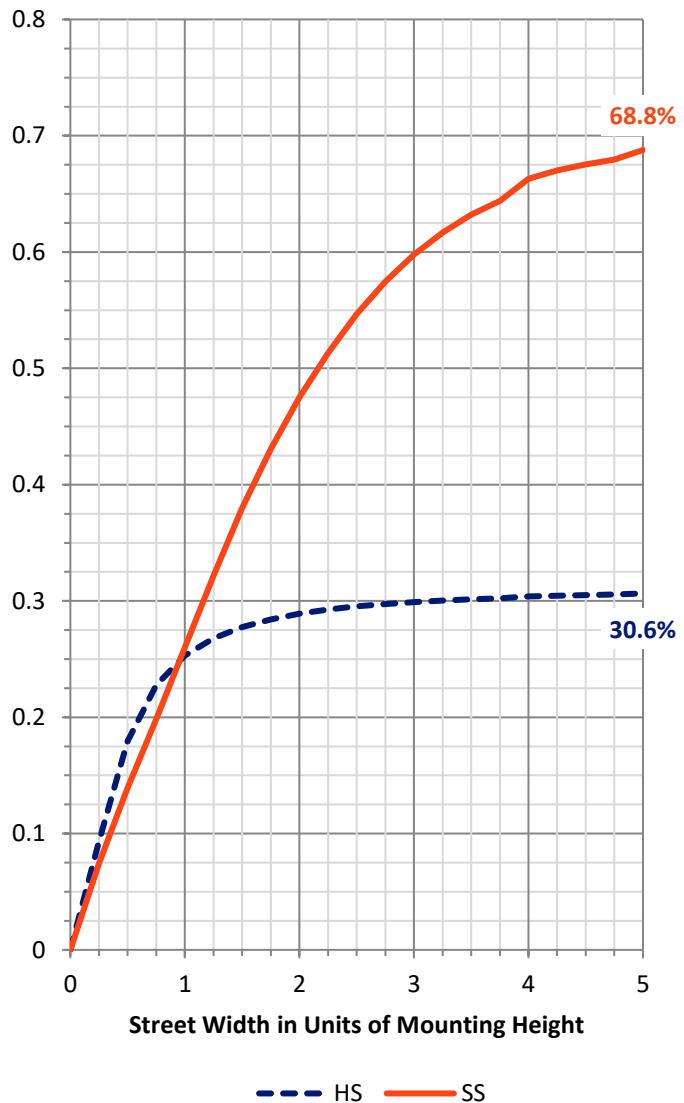
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6188.9	0.0	6188.9
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	13786.1	0.0	13786.1
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	19975.0	0.0	19975.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	228.0	1.1
10°-20°	765.5	3.8
20°-30°	1397.8	7.0
30°-40°	1982.4	9.9
40°-50°	2676.9	13.4
50°-60°	3601.1	18.0
60°-70°	4570.6	22.9
70°-80°	4148.1	20.8
80°-90°	604.7	3.0
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°	19975.0	100.0
0°-180°	19975.0	100.0

**Coefficient of Utilization**

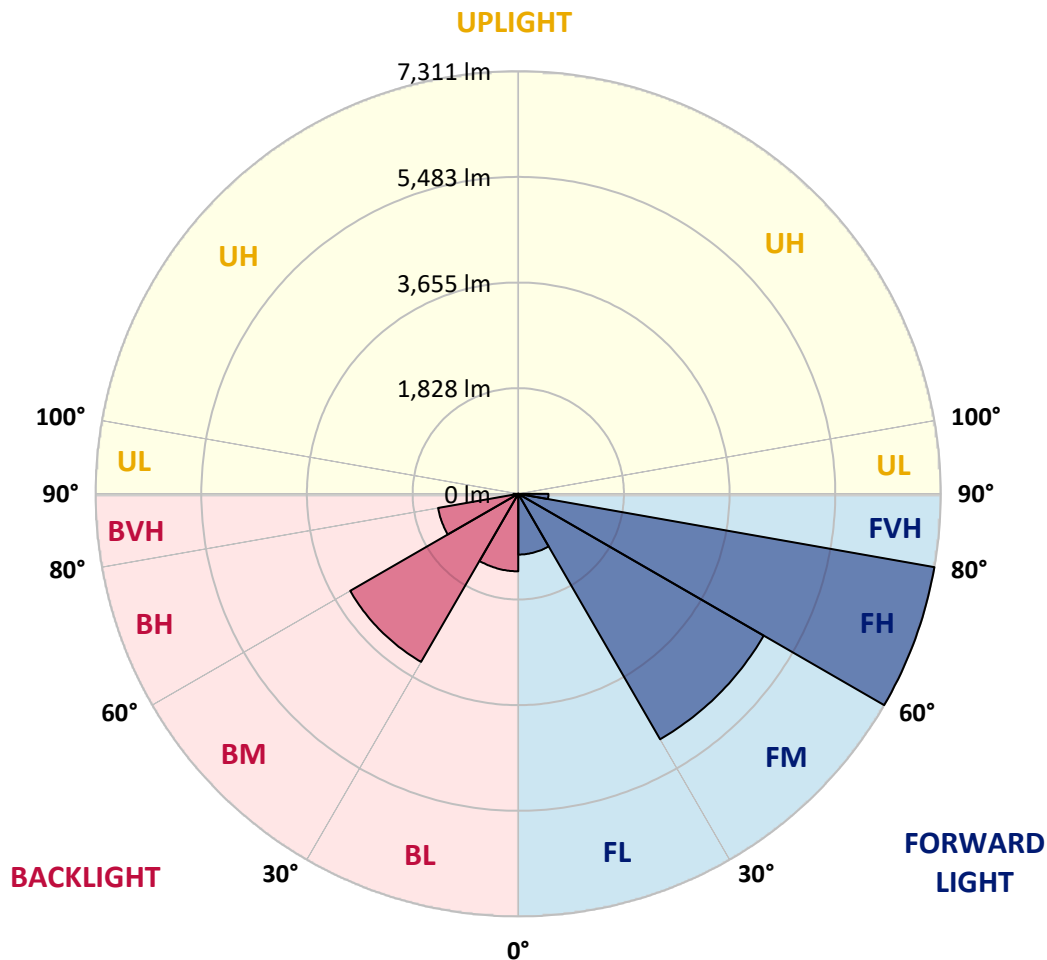


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1050.7	5.3			
FM (30°-60°)	4903.4	24.5			
FH (60°-80°)	7310.5	36.6			G3/7500
FVH (80°-90°)	521.4	2.6			G4/750
BL (0°-30°)	1340.6	6.7	B3/2500		
BM (30°-60°)	3356.9	16.8	B3/5000		
BH (60°-80°)	1408.2	7.0	B3/2500		G3/2500
BVH (80°-90°)	83.3	0.4			G1/100
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 Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	2284.2	2284.2	2284.2	2284.2	2284.2	2284.2	2284.2	2284.2	2284.2	2284.2
2.5°	2249.2	2261.9	2258.7	2254.5	2254.5	2255.6	2254.5	2261.9	2269.3	2276.8
5°	2272.5	2285.2	2278.9	2273.6	2269.3	2268.3	2265.1	2264.0	2268.3	2277.8
7.5°	2318.1	2330.8	2321.2	2311.7	2303.2	2299.0	2294.8	2288.4	2285.2	2290.5
10°	2368.9	2381.6	2370.0	2353.0	2339.3	2334.0	2329.7	2323.4	2319.1	2322.3
12.5°	2419.8	2432.5	2416.6	2393.3	2375.3	2372.1	2366.8	2364.7	2363.6	2362.6
15°	2467.5	2478.0	2457.9	2430.4	2411.3	2406.0	2400.7	2403.9	2409.2	2415.5
17.5°	2504.5	2515.1	2485.5	2449.4	2431.4	2429.3	2426.1	2436.7	2451.6	2467.5
20°	2538.4	2549.0	2510.9	2462.2	2441.0	2441.0	2442.0	2464.3	2485.5	2508.8
22.5°	2586.1	2594.6	2548.0	2481.2	2450.5	2452.6	2461.1	2483.3	2509.8	2541.6
25°	2657.1	2663.4	2606.2	2517.2	2482.3	2488.6	2496.1	2506.7	2532.1	2569.2
27.5°	2771.5	2776.8	2701.6	2580.8	2527.8	2538.4	2549.0	2541.6	2553.3	2585.1
30°	2932.5	2935.7	2840.4	2680.4	2605.2	2610.5	2612.6	2581.9	2559.6	2585.1
32.5°	3123.2	3122.2	3008.8	2801.2	2693.1	2687.8	2669.8	2609.4	2557.5	2579.8
35°	3418.8	3407.2	3261.0	2970.7	2792.7	2759.9	2717.5	2640.1	2568.1	2574.5
37.5°	3908.3	3872.3	3669.9	3248.3	2941.0	2857.3	2794.8	2689.9	2591.4	2572.3
40°	4460.3	4414.7	4192.2	3628.6	3163.5	3029.0	2928.3	2760.9	2629.5	2581.9
42.5°	5115.0	5050.4	4810.9	4076.8	3445.3	3250.4	3098.9	2851.0	2685.7	2612.6
45°	5919.1	5833.3	5494.3	4582.1	3800.2	3540.7	3338.3	2987.6	2771.5	2671.9
47.5°	6731.7	6752.9	6270.9	5160.6	4226.1	3898.8	3638.1	3193.2	2896.5	2767.3
50°	7595.2	7610.0	7043.2	5801.5	4709.2	4303.5	3975.0	3423.1	3070.3	2902.9
52.5°	8269.0	8271.1	7744.6	6472.2	5212.5	4748.4	4338.4	3685.8	3271.6	3083.0
55°	8690.6	8685.3	8236.1	7106.8	5790.9	5215.7	4741.0	3984.6	3517.4	3294.9
57.5°	8996.8	8980.9	8575.2	7652.4	6407.5	5767.6	5196.6	4323.6	3807.7	3547.0
60°	9113.4	9103.8	8805.1	8123.8	7055.9	6377.9	5722.1	4702.9	4137.1	3844.7
62.5°	9157.9	9175.9	9030.7	8580.5	7749.9	7053.8	6299.5	5156.3	4507.9	4181.6
65°	9314.7	9347.5	9317.8	9178.0	8533.8	7845.2	7065.5	5695.6	4912.7	4542.9
67.5°	9625.1	9657.9	9670.6	9893.1	9491.6	8831.6	8021.1	6367.3	5386.2	4918.0
70°	9617.7	9608.1	9832.7	10462.0	10690.9	10197.2	9309.4	7193.6	5950.9	5229.4
72.5°	8754.2	8677.9	9208.7	10455.7	11688.9	11623.2	10882.6	8259.4	6438.3	5267.6
75°	6567.5	6364.1	7301.7	9422.7	11855.2	12432.6	11882.8	8920.5	6322.8	4654.2
77.5°	2808.6	2604.1	3709.1	6975.4	10610.4	11622.1	10965.3	7782.7	5047.2	3077.7
80°	735.3	734.2	1120.9	3162.4	7215.9	8582.6	7529.5	5026.0	2883.8	1099.7
82.5°	304.1	296.6	412.1	1230.0	3525.8	4816.2	3930.5	2241.8	1041.4	297.7
85°	113.4	112.3	200.2	424.8	1243.8	1986.5	1437.7	573.2	259.6	145.1
87.5°	31.8	30.7	43.4	147.3	303.0	459.8	245.8	94.3	73.1	57.2
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°
2284.2	0°	2284.2	2284.2	2284.2	2284.2	2284.2	2284.2	2284.2	2284.2	2284.2	2284.2
2288.4	2.5°	2291.6	2296.9	2306.4	2313.8	2323.4	2334.0	2348.8	2358.3	2367.9	2374.2
2293.7	5°	2301.1	2312.8	2337.1	2361.5	2390.1	2416.6	2447.3	2469.6	2487.6	2492.9
2312.8	7.5°	2322.3	2341.4	2382.7	2424.0	2469.6	2513.0	2557.5	2595.6	2626.4	2638.0
2346.7	10°	2359.4	2384.8	2443.1	2501.4	2561.7	2628.5	2685.7	2740.8	2784.2	2802.2
2386.9	12.5°	2406.0	2437.8	2514.1	2594.6	2678.3	2770.5	2844.6	2912.4	2966.5	2990.8
2443.1	15°	2466.4	2507.7	2605.2	2713.2	2836.1	2964.3	3058.6	3133.8	3194.2	3223.9
2501.4	17.5°	2532.1	2587.2	2710.1	2873.2	3049.1	3217.5	3327.7	3382.8	3445.3	3473.9
2555.4	20°	2595.6	2663.4	2839.3	3076.6	3310.8	3489.8	3578.8	3593.6	3597.9	3601.1
2606.2	22.5°	2661.3	2752.4	3001.4	3333.0	3584.1	3708.1	3720.8	3657.2	3568.2	3526.9
2656.0	25°	2733.4	2854.2	3213.3	3615.9	3819.3	3834.1	3736.7	3582.0	3413.5	3336.2
2696.3	27.5°	2803.3	2971.7	3467.6	3886.1	3988.8	3858.5	3648.7	3429.4	3226.0	3144.4
2724.9	30°	2873.2	3106.3	3748.3	4122.3	4066.2	3798.1	3509.9	3265.2	3060.7	2974.9
2750.3	32.5°	2944.2	3263.1	4071.5	4292.9	4052.4	3669.9	3337.3	3080.9	2900.8	2810.7
2772.6	35°	3024.7	3455.9	4377.6	4386.1	3960.2	3481.3	3109.5	2860.5	2703.7	2631.7
2799.1	37.5°	3129.6	3700.6	4647.8	4409.4	3799.2	3204.8	2826.6	2599.9	2470.6	2437.8
2838.3	40°	3259.9	3995.2	4854.4	4372.3	3560.8	2869.0	2517.2	2336.1	2263.0	2270.4
2891.2	42.5°	3429.4	4324.7	4999.5	4277.0	3229.2	2522.5	2246.0	2165.5	2200.5	2230.1
2970.7	45°	3649.8	4666.9	5089.6	4114.9	2854.2	2229.1	2086.1	2105.1	2131.6	2134.8
3098.9	47.5°	3931.6	5013.3	5148.9	3870.2	2471.7	2022.5	1984.3	1988.6	1983.3	1961.0
3290.6	50°	4283.3	5350.2	5201.9	3546.0	2146.4	1893.2	1842.4	1827.5	1754.4	1682.4
3546.0	52.5°	4683.8	5659.6	5224.1	3143.4	1893.2	1785.2	1702.5	1609.3	1472.6	1450.4
3867.0	55°	5128.8	5945.6	5166.9	2648.6	1680.3	1646.4	1521.4	1409.1	1394.2	1375.2
4289.7	57.5°	5660.6	6253.9	5050.4	2096.6	1462.0	1484.3	1362.4	1375.2	1348.7	1319.0
4833.2	60°	6242.3	6572.8	4845.9	1593.4	1236.4	1281.9	1321.1	1320.1	1312.7	1288.3
5406.4	62.5°	6765.6	6782.6	4443.3	1220.5	1038.3	1125.1	1232.1	1231.1	1224.7	1210.9
6004.9	65°	7077.1	6750.8	3771.6	960.9	875.1	995.9	1111.4	1119.8	1120.9	1119.8
6455.2	67.5°	7022.0	6378.9	2849.9	764.9	740.6	864.5	991.6	1003.3	1011.8	1013.9
6512.4	70°	6399.1	5562.1	1858.3	610.2	620.8	749.0	878.3	889.9	897.4	905.8
5651.1	72.5°	4987.9	4089.5	1063.7	493.7	516.0	649.4	766.0	779.8	784.0	799.9
3932.7	75°	3039.6	2404.9	574.2	388.8	423.8	555.2	654.7	670.6	678.0	697.1
1931.4	77.5°	1445.1	1041.4	327.4	303.0	341.1	453.4	553.0	571.0	550.9	561.5
532.9	80°	488.4	386.7	206.6	231.0	260.6	353.9	442.8	460.9	418.5	416.4
176.9	82.5°	170.6	156.8	131.4	153.6	168.5	253.2	334.8	358.1	311.5	310.4
79.5	85°	66.7	63.6	73.1	83.7	100.6	155.7	220.4	232.0	191.8	154.7
23.3	87.5°	13.8	14.8	18.0	19.1	30.7	54.0	79.5	97.5	77.3	65.7
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°
2284.2
2370.0
2495.0
2639.1
2803.3
2990.8
3221.8
3472.9
3609.5
3538.6
3347.9
3154.0
2984.5
2822.4
2647.6
2461.1
2295.8
2257.7
2156.0
1978.0
1691.9
1457.8
1378.3
1313.7
1279.8
1205.7
1119.8
1016.0
910.1
806.2
699.2
553.0
412.1
295.6
152.6
60.4
0.0

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