

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: P848583

Luminaire Tested: **GLAN-SB5B-722-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848583
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-SB5B-722-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22049 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

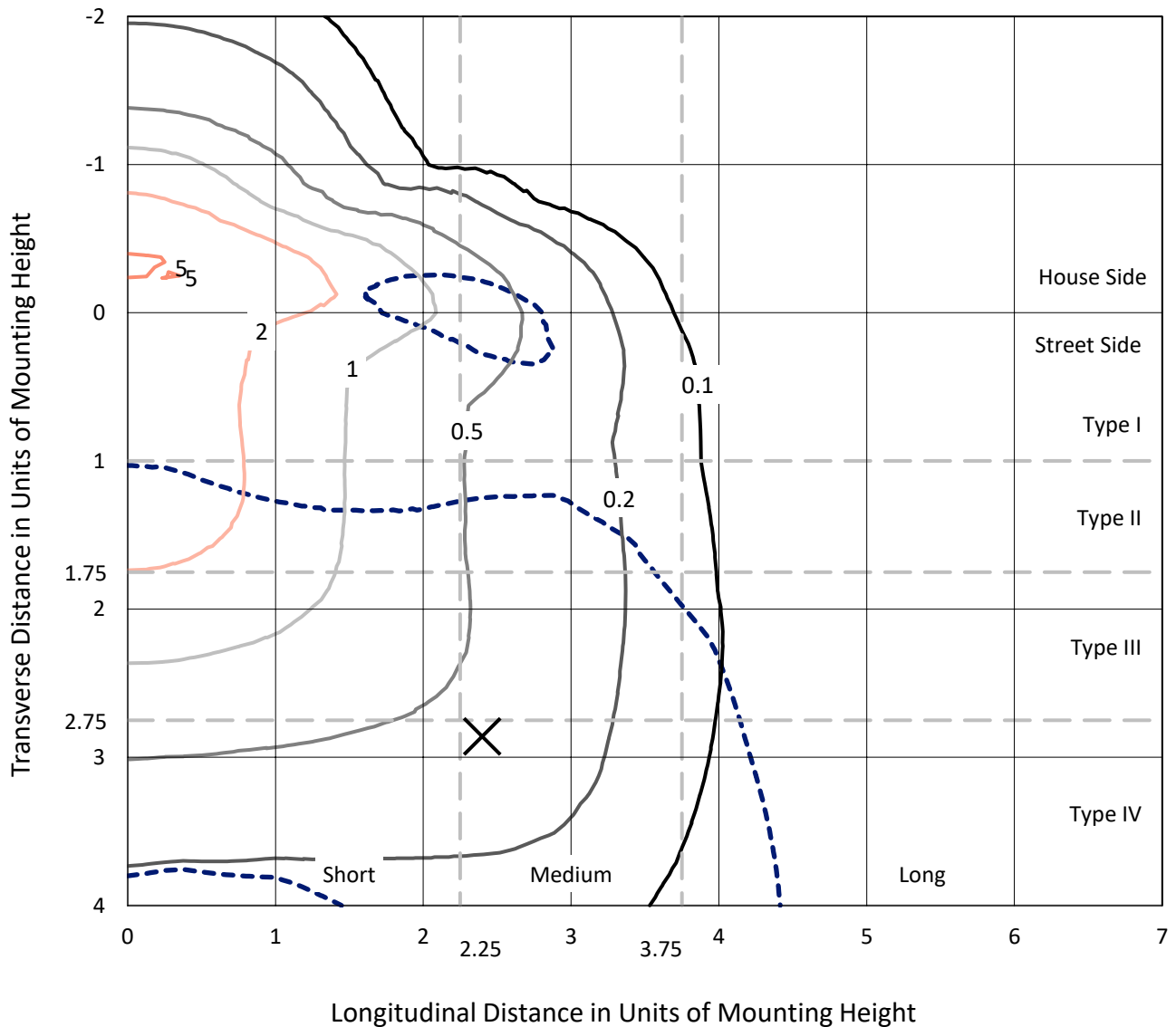
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

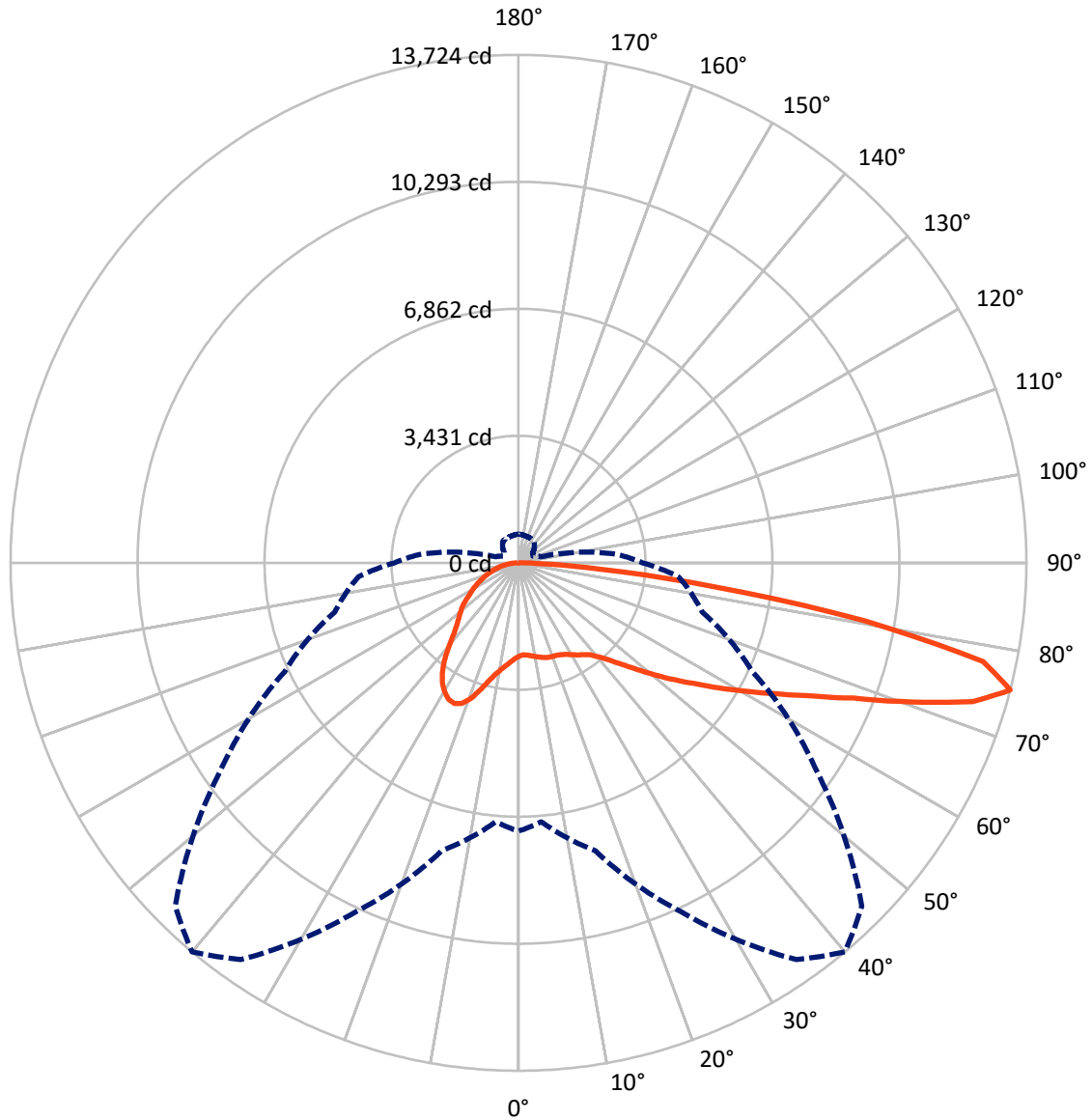
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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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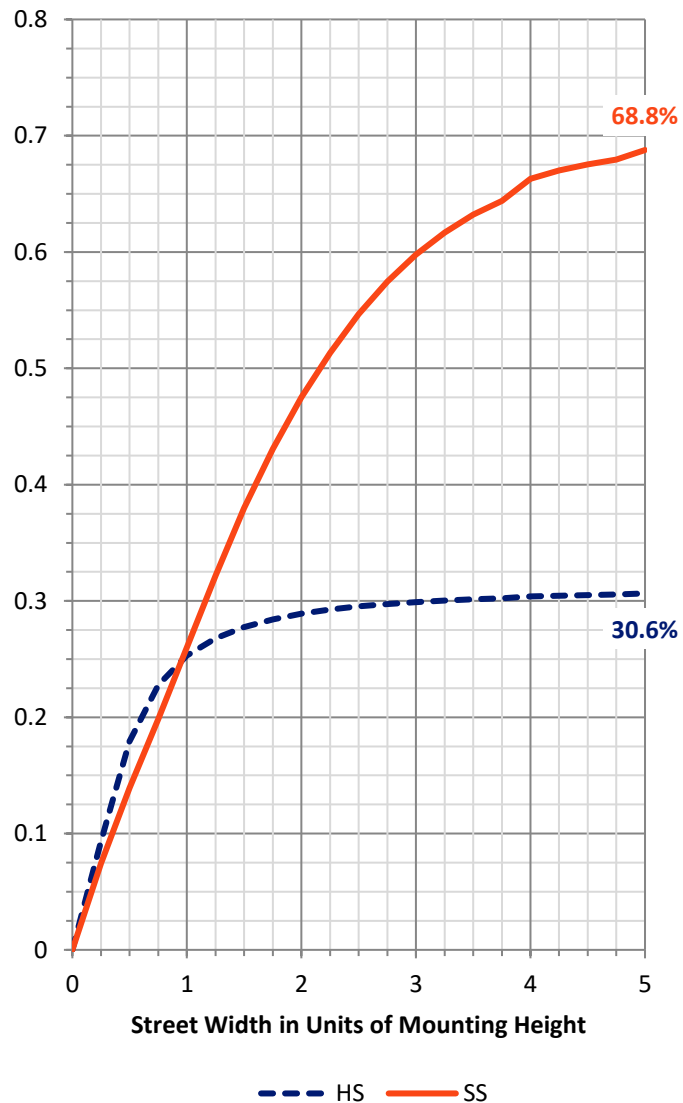
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6831.5	0.0	6831.5
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	15217.5	0.0	15217.5
	% Fixture	69.0	0.0	69.0
Total	Lumens	22049.0	0.0	22049.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.7	1.1
10°-20°	845.0	3.8
20°-30°	1542.9	7.0
30°-40°	2188.2	9.9
40°-50°	2954.8	13.4
50°-60°	3975.0	18.0
60°-70°	5045.2	22.9
70°-80°	4578.8	20.8
80°-90°	667.4	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°	22049.0	100.0
0°-180°	22049.0	100.0

Coefficient of Utilization

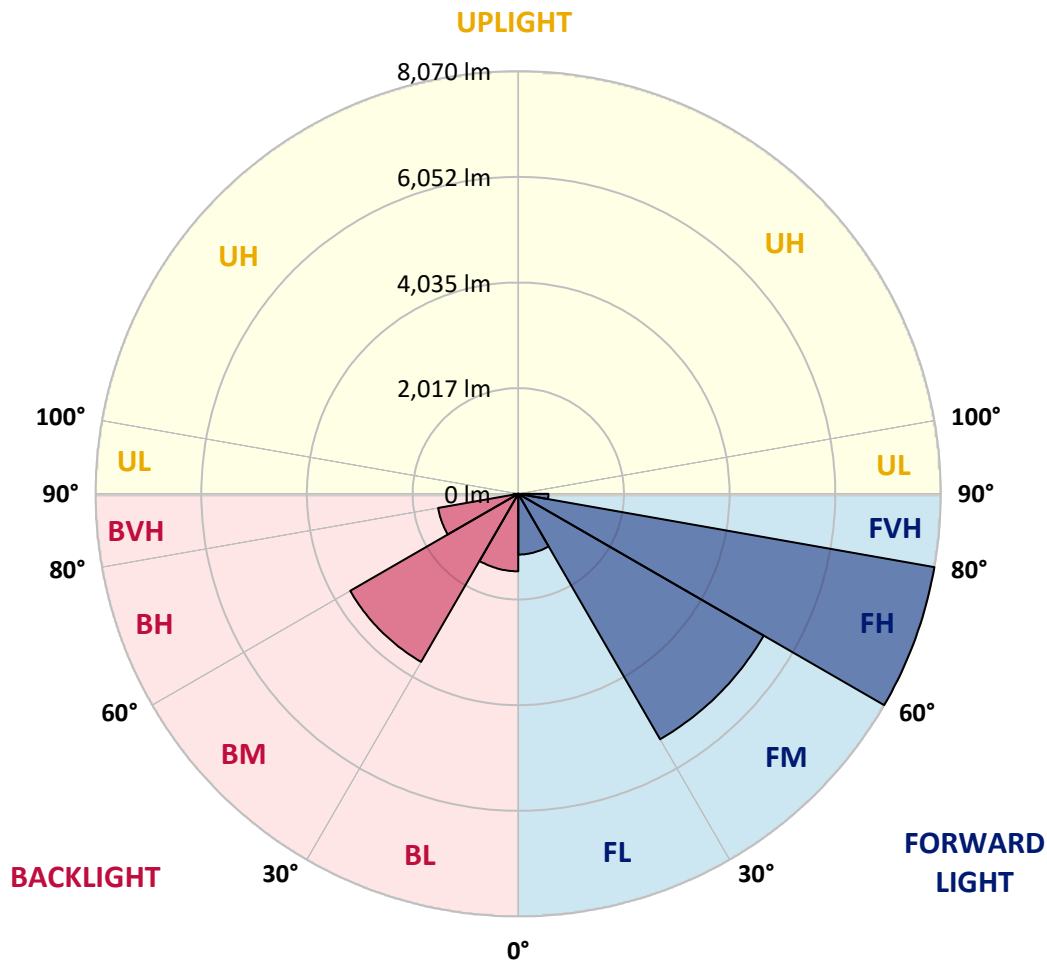


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1159.8	5.3			
FM (30°-60°)	5412.5	24.5			
FH (60°-80°)	8069.6	36.6			G4/12000
FVH (80°-90°)	575.6	2.6			G4/750
BL (0°-30°)	1479.8	6.7	B3/2500		
BM (30°-60°)	3705.5	16.8	B3/5000		
BH (60°-80°)	1554.4	7.0	B3/2500		G3/2500
BVH (80°-90°)	91.9	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°	2521.3	2521.3	2521.3	2521.3	2521.3	2521.3	2521.3	2521.3	2521.3	2521.3
2.5°	2482.7	2496.8	2493.3	2488.6	2488.6	2489.8	2488.6	2496.8	2505.0	2513.1
5°	2508.5	2522.5	2515.5	2509.6	2505.0	2503.8	2500.3	2499.1	2503.8	2514.3
7.5°	2558.8	2572.8	2562.3	2551.7	2542.4	2537.7	2533.0	2526.0	2522.5	2528.3
10°	2614.9	2628.9	2616.1	2597.3	2582.1	2576.3	2571.6	2564.6	2559.9	2563.4
12.5°	2671.0	2685.1	2667.5	2641.8	2621.9	2618.4	2612.5	2610.2	2609.0	2607.9
15°	2723.6	2735.3	2713.1	2682.7	2661.7	2655.8	2650.0	2653.5	2659.3	2666.3
17.5°	2764.6	2776.3	2743.5	2703.8	2683.9	2681.5	2678.0	2689.7	2706.1	2723.6
20°	2802.0	2813.7	2771.6	2717.8	2694.4	2694.4	2695.6	2720.1	2743.5	2769.3
22.5°	2854.6	2864.0	2812.5	2738.9	2704.9	2707.3	2716.6	2741.2	2770.4	2805.5
25°	2933.0	2940.0	2876.8	2778.6	2740.0	2747.0	2755.2	2766.9	2795.0	2835.9
27.5°	3059.3	3065.1	2982.1	2848.8	2790.3	2802.0	2813.7	2805.5	2818.4	2853.5
30°	3237.0	3240.5	3135.3	2958.7	2875.7	2881.5	2883.9	2849.9	2825.4	2853.5
32.5°	3447.5	3446.4	3321.2	3092.0	2972.7	2966.9	2947.0	2880.4	2823.1	2847.6
35°	3773.8	3760.9	3599.6	3279.1	3082.7	3046.4	2999.6	2914.3	2834.7	2841.8
37.5°	4314.1	4274.3	4051.0	3585.5	3246.4	3154.0	3085.0	2969.2	2860.5	2839.4
40°	4923.4	4873.1	4627.5	4005.4	3492.0	3343.5	3232.4	3047.6	2902.6	2849.9
42.5°	5646.1	5574.8	5310.5	4500.0	3803.0	3587.9	3420.6	3147.0	2964.6	2883.9
45°	6533.7	6439.0	6064.8	5057.9	4194.8	3908.3	3684.9	3297.8	3059.3	2949.4
47.5°	7430.7	7454.1	6922.0	5696.4	4664.9	4303.6	4015.9	3524.7	3197.3	3054.6
50°	8383.8	8400.2	7774.5	6403.9	5198.2	4750.3	4387.8	3778.5	3389.1	3204.3
52.5°	9127.6	9129.9	8548.7	7144.2	5753.7	5241.5	4788.9	4068.5	3611.3	3403.1
55°	9593.0	9587.1	9091.3	7844.7	6392.2	5757.2	5233.3	4398.3	3882.6	3637.0
57.5°	9931.0	9913.4	9465.5	8446.9	7072.8	6366.5	5736.1	4772.5	4203.0	3915.3
60°	10059.6	10049.1	9719.3	8967.3	7788.5	7040.1	6316.2	5191.2	4566.7	4243.9
62.5°	10108.7	10128.6	9968.4	9471.4	8554.5	7786.2	6953.5	5691.7	4976.0	4615.8
65°	10281.8	10318.1	10285.3	10130.9	9419.9	8659.8	7799.1	6287.0	5422.7	5014.6
67.5°	10624.4	10660.7	10674.7	10920.3	10477.1	9748.5	8853.9	7028.4	5945.5	5428.6
70°	10616.3	10605.7	10853.7	11548.3	11800.9	11255.9	10276.0	7940.6	6568.8	5772.4
72.5°	9663.2	9579.0	10164.9	11541.3	12902.5	12830.0	12012.6	9117.0	7106.7	5814.5
75°	7249.4	7024.9	8059.8	10401.1	13086.1	13723.5	13116.5	9846.8	6979.3	5137.4
77.5°	3100.2	2874.5	4094.2	7699.7	11712.0	12828.9	12103.8	8590.8	5571.3	3397.3
80°	811.6	810.4	1237.3	3490.8	7965.1	9473.7	8311.3	5547.9	3183.2	1213.9
82.5°	335.6	327.4	454.9	1357.7	3891.9	5316.3	4338.7	2474.6	1149.6	328.6
85°	125.1	124.0	221.0	468.9	1372.9	2192.7	1586.9	632.7	286.5	160.2
87.5°	35.1	33.9	47.9	162.6	334.5	507.5	271.3	104.1	80.7	63.2
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°
2521.3	0°	2521.3	2521.3	2521.3	2521.3	2521.3	2521.3	2521.3	2521.3	2521.3	2521.3
2526.0	2.5°	2529.5	2535.4	2545.9	2554.1	2564.6	2576.3	2592.7	2603.2	2613.7	2620.7
2531.9	5°	2540.0	2552.9	2579.8	2606.7	2638.3	2667.5	2701.4	2726.0	2745.9	2751.7
2552.9	7.5°	2563.4	2584.5	2630.1	2675.7	2726.0	2773.9	2823.1	2865.2	2899.1	2911.9
2590.3	10°	2604.4	2632.4	2696.7	2761.1	2827.7	2901.4	2964.6	3025.4	3073.3	3093.2
2634.8	12.5°	2655.8	2690.9	2775.1	2864.0	2956.4	3058.1	3140.0	3214.8	3274.5	3301.4
2696.7	15°	2722.5	2768.1	2875.7	2995.0	3130.6	3272.1	3376.2	3459.2	3525.9	3558.6
2761.1	17.5°	2795.0	2855.8	2991.5	3171.5	3365.7	3551.6	3673.2	3734.1	3803.0	3834.6
2820.7	20°	2865.2	2940.0	3134.1	3396.1	3654.5	3852.2	3950.4	3966.8	3971.4	3975.0
2876.8	22.5°	2937.7	3038.2	3313.0	3679.1	3956.2	4093.1	4107.1	4036.9	3938.7	3893.1
2931.8	25°	3017.2	3150.5	3546.9	3991.3	4215.9	4232.2	4124.6	3953.9	3768.0	3682.6
2976.2	27.5°	3094.4	3280.3	3827.6	4289.5	4403.0	4259.1	4027.6	3785.5	3561.0	3470.9
3007.8	30°	3171.5	3428.8	4137.5	4550.3	4488.3	4192.5	3874.4	3604.2	3378.5	3283.8
3035.9	32.5°	3249.9	3601.9	4494.2	4738.6	4473.1	4051.0	3683.8	3400.8	3202.0	3102.5
3060.4	35°	3338.8	3814.7	4832.2	4841.5	4371.4	3842.8	3432.3	3157.5	2984.4	2904.9
3089.7	37.5°	3454.6	4084.9	5130.4	4867.2	4193.6	3537.6	3120.1	2869.8	2727.2	2690.9
3133.0	40°	3598.4	4410.0	5358.4	4826.3	3930.5	3166.9	2778.6	2578.6	2497.9	2506.1
3191.4	42.5°	3785.5	4773.7	5518.6	4721.1	3564.5	2784.5	2479.2	2390.4	2428.9	2461.7
3279.1	45°	4028.8	5151.4	5618.0	4542.1	3150.5	2460.5	2302.6	2323.7	2352.9	2356.4
3420.6	47.5°	4339.8	5533.8	5683.5	4272.0	2728.3	2232.5	2190.4	2195.1	2189.2	2164.7
3632.3	50°	4728.1	5905.7	5742.0	3914.1	2369.3	2089.8	2033.7	2017.3	1936.6	1857.1
3914.1	52.5°	5170.1	6247.2	5766.6	3469.8	2089.8	1970.5	1879.3	1776.4	1625.5	1601.0
4268.5	55°	5661.3	6562.9	5703.4	2923.6	1854.7	1817.3	1679.3	1555.4	1539.0	1517.9
4735.1	57.5°	6248.4	6903.3	5574.8	2314.3	1613.8	1638.4	1503.9	1517.9	1488.7	1456.0
5335.0	60°	6890.4	7255.3	5349.1	1758.9	1364.7	1415.0	1458.3	1457.1	1448.9	1422.1
5967.7	62.5°	7468.1	7486.8	4904.7	1347.2	1146.1	1242.0	1360.1	1358.9	1351.9	1336.7
6628.4	65°	7811.9	7451.7	4163.2	1060.7	966.0	1099.3	1226.8	1236.1	1237.3	1236.1
7125.5	67.5°	7751.1	7041.3	3145.8	844.3	817.4	954.3	1094.6	1107.5	1116.8	1119.2
7188.6	70°	7063.5	6139.6	2051.2	673.6	685.3	826.8	969.5	982.3	990.5	999.9
6237.8	72.5°	5505.8	4514.1	1174.1	545.0	569.5	716.9	845.5	860.7	865.4	882.9
4341.0	75°	3355.1	2654.6	633.8	429.2	467.8	612.8	722.7	740.3	748.4	769.5
2131.9	77.5°	1595.1	1149.6	361.4	334.5	376.6	500.5	610.5	630.3	608.1	619.8
588.2	80°	539.1	426.8	228.0	254.9	287.7	390.6	488.8	508.7	461.9	459.6
195.3	82.5°	188.3	173.1	145.0	169.6	185.9	279.5	369.5	395.3	343.8	342.6
87.7	85°	73.7	70.2	80.7	92.4	111.1	171.9	243.2	256.1	211.7	170.7
25.7	87.5°	15.2	16.4	19.9	21.1	33.9	59.6	87.7	107.6	85.4	72.5
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>
2521.3
2616.1
2754.1
2913.1
3094.4
3301.4
3556.3
3833.5
3984.3
3906.0
3695.5
3481.5
3294.3
3115.4
2922.5
2716.6
2534.2
2492.1
2379.8
2183.4
1867.6
1609.2
1521.5
1450.1
1412.7
1330.8
1236.1
1121.5
1004.6
890.0
771.8
610.5
454.9
326.3
168.4
66.7
0.0

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