

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: P849778

Luminaire Tested: **GLAN-SB7A-722-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849778
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7A-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24963 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

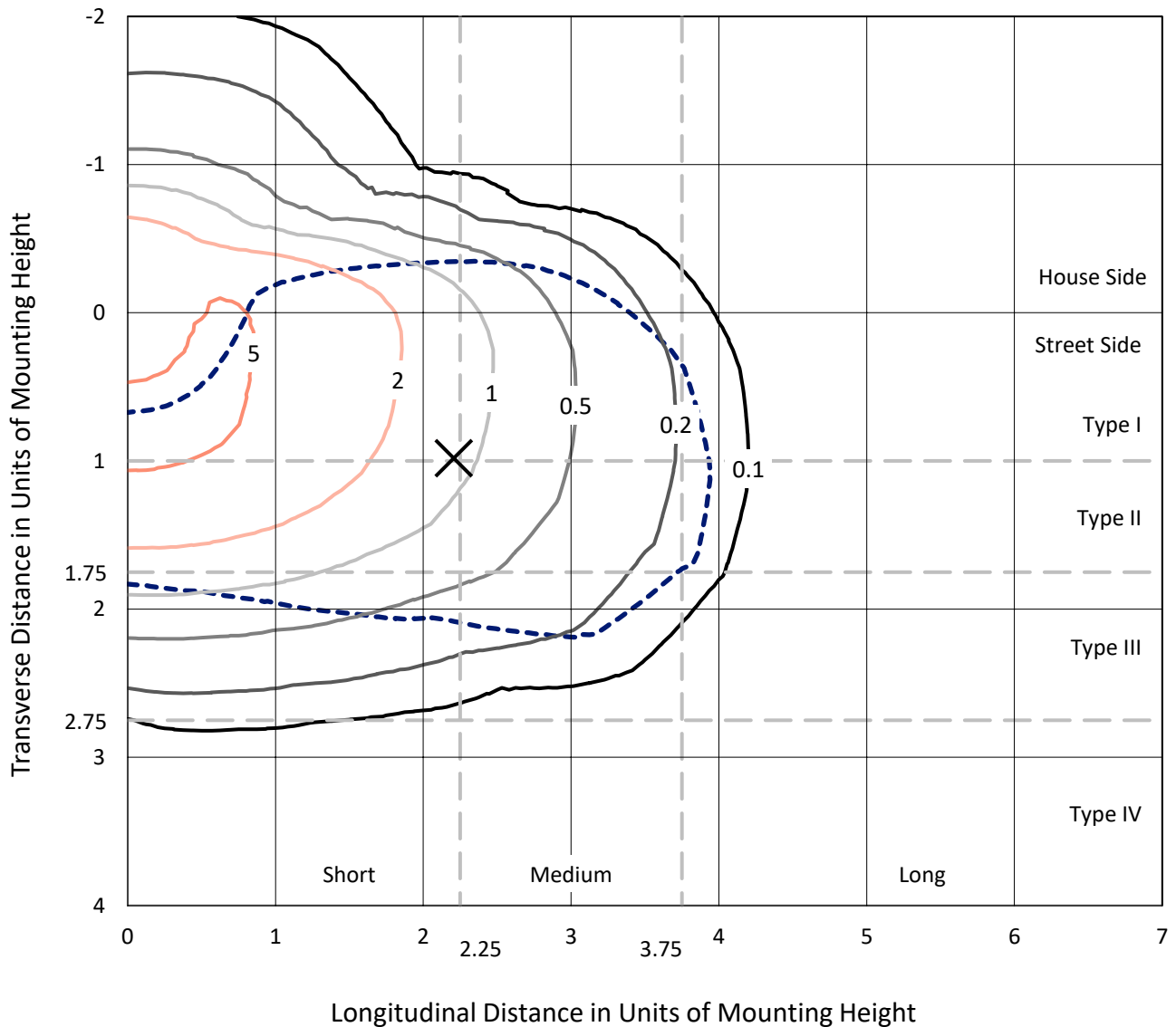
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

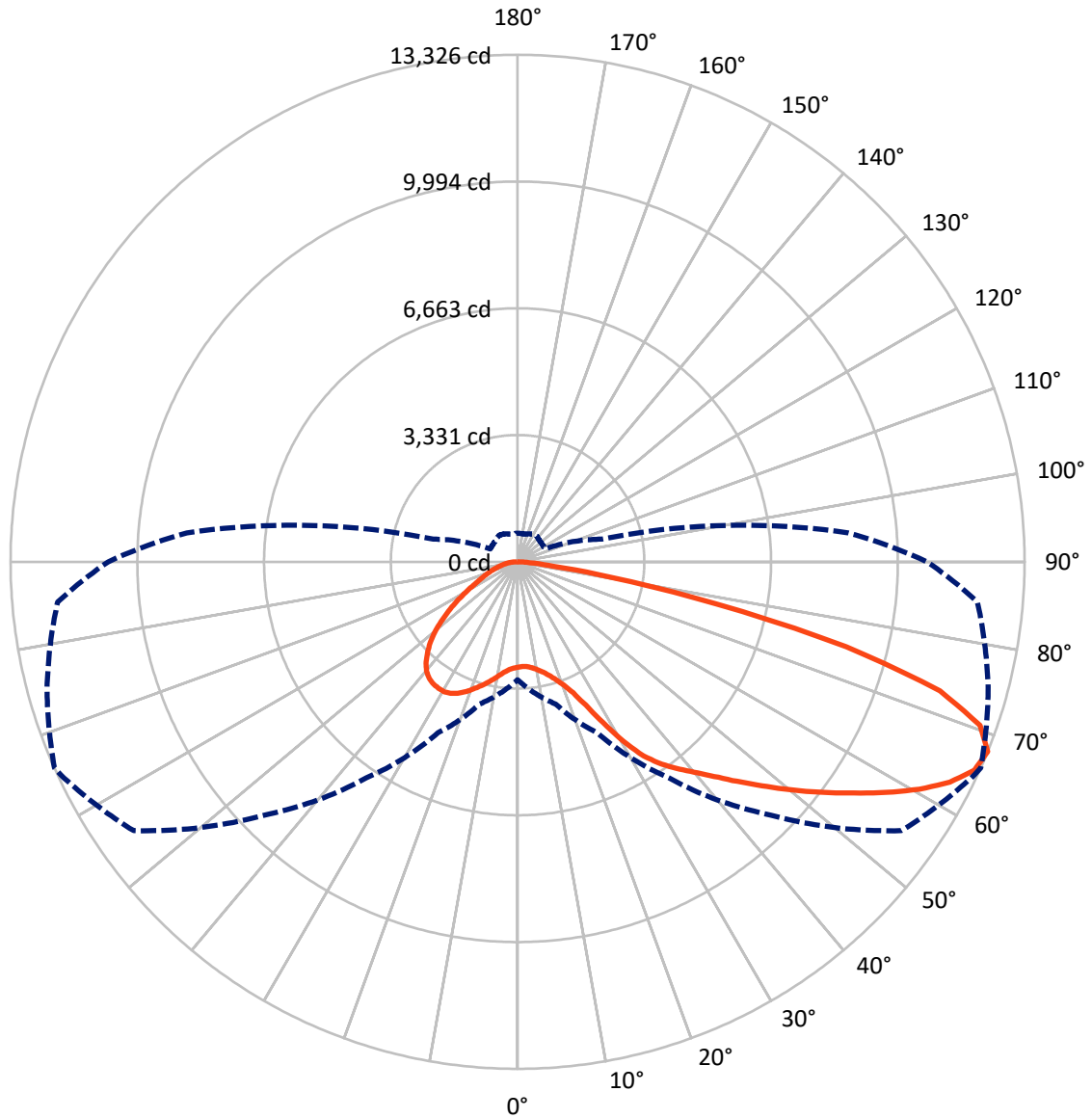
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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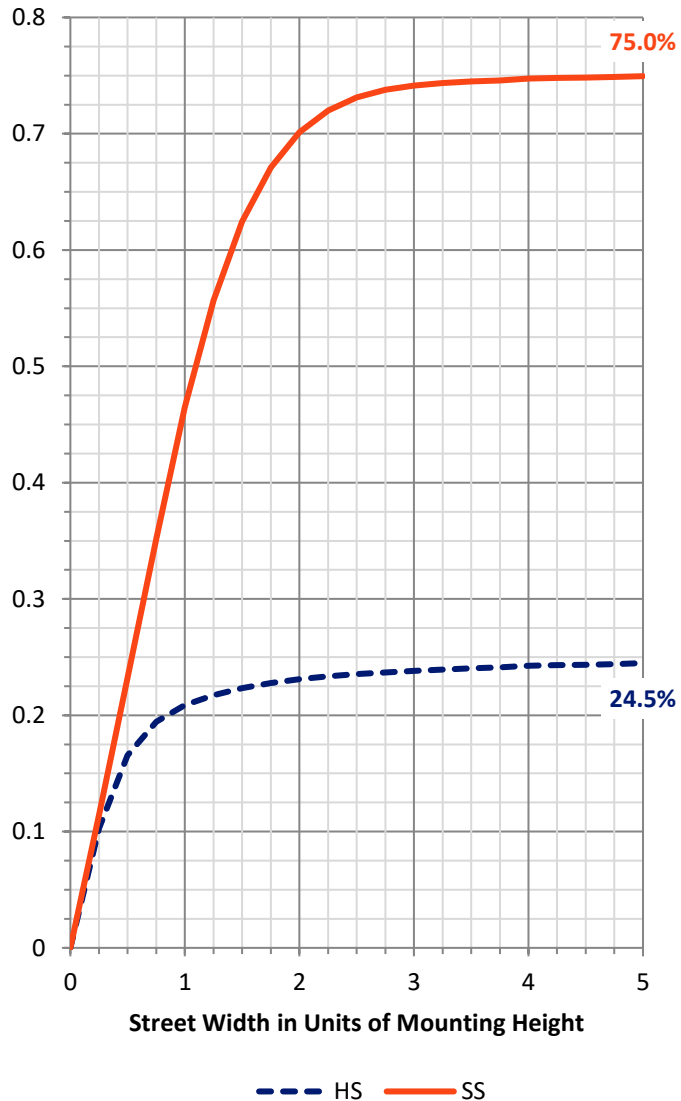
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6207.0	0.0	6207.0
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	18756.0	0.0	18756.0
	% Fixture	75.1	0.0	75.1
Total	Lumens	24963.0	0.0	24963.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.5	1.1
10°-20°	906.9	3.6
20°-30°	1748.1	7.0
30°-40°	3065.0	12.3
40°-50°	4556.7	18.3
50°-60°	5776.0	23.1
60°-70°	5651.7	22.6
70°-80°	2695.9	10.8
80°-90°	288.1	1.2
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°	24963.0	100.0
0°-180°	24963.0	100.0

Coefficient of Utilization



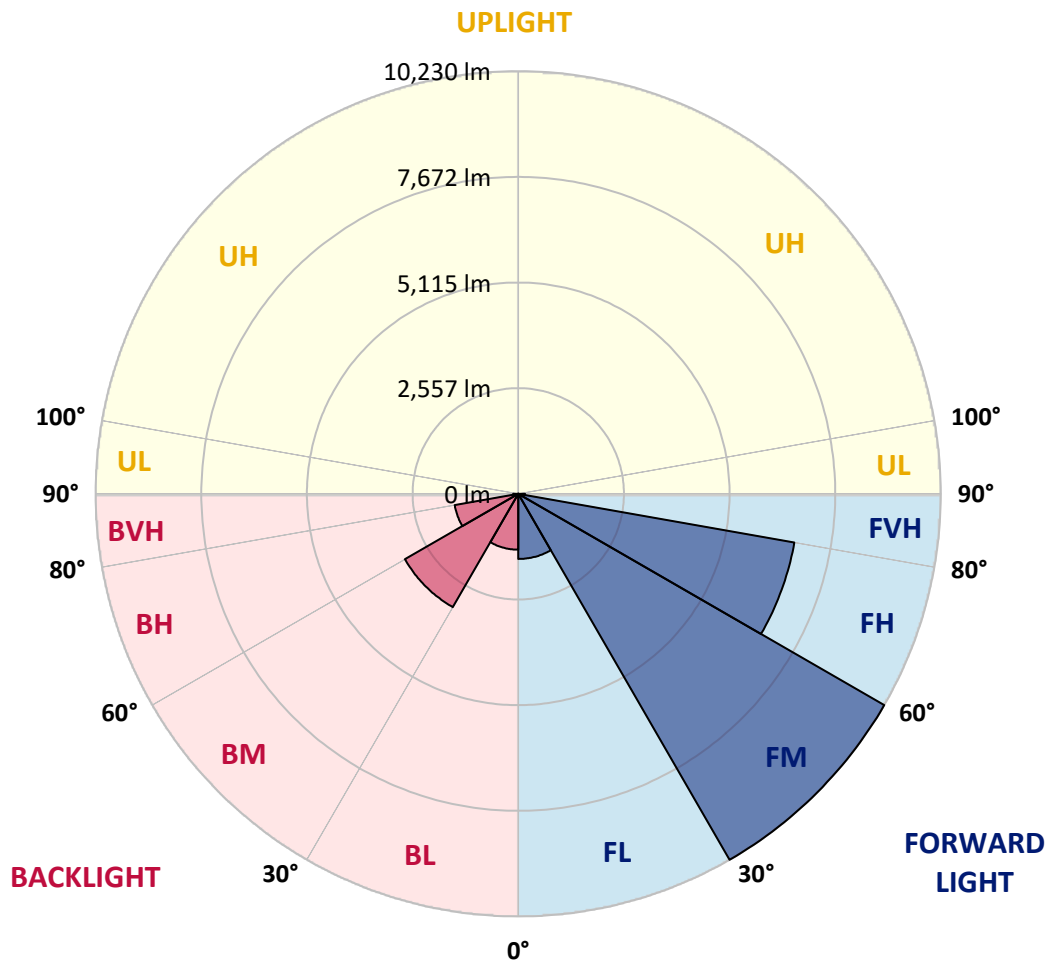
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1577.4	6.3			
FM (30°-60°)	10229.6	41.0			
FH (60°-80°)	6785.6	27.2			G3/7500
FVH (80°-90°)	163.4	0.7			G2/225
BL (0°-30°)	1352.1	5.4	B3/2500		
BM (30°-60°)	3168.1	12.7	B3/5000		
BH (60°-80°)	1562.0	6.3	B3/2500		G3/2500
BVH (80°-90°)	124.8	0.5			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2768.7	2768.7	2768.7	2768.7	2768.7	2768.7	2768.7	2768.7	2768.7	2768.7
2.5°	2739.9	2755.6	2751.7	2745.1	2743.8	2746.4	2750.4	2754.3	2753.0	2759.5
5°	2732.0	2747.7	2746.4	2746.4	2751.7	2762.2	2768.7	2775.3	2768.7	2776.6
7.5°	2737.2	2749.1	2754.3	2759.5	2772.7	2792.3	2808.1	2822.5	2814.6	2823.8
10°	2804.1	2813.3	2818.6	2818.6	2827.7	2850.0	2865.8	2892.0	2885.5	2899.9
12.5°	2926.1	2935.3	2935.3	2930.0	2936.6	2951.0	2956.3	2985.1	2973.3	2996.9
15°	3075.6	3094.0	3079.6	3070.4	3073.0	3087.4	3086.1	3108.4	3096.6	3116.3
17.5°	3240.9	3264.5	3240.9	3239.6	3234.3	3250.1	3251.4	3271.1	3250.1	3264.5
20°	3436.3	3469.1	3449.4	3456.0	3444.2	3450.7	3457.3	3486.2	3453.4	3463.9
22.5°	3711.7	3751.1	3730.1	3755.0	3747.2	3741.9	3740.6	3791.8	3740.6	3744.5
25°	4113.1	4160.3	4123.6	4157.7	4157.7	4174.7	4194.4	4260.0	4174.7	4149.8
27.5°	4705.9	4753.1	4681.0	4702.0	4695.4	4737.4	4716.4	4879.0	4787.2	4746.6
30°	5419.4	5503.4	5366.9	5361.7	5355.1	5422.0	5452.2	5559.7	5466.6	5426.0
32.5°	6190.6	6278.5	6115.9	6068.6	6043.7	6084.4	6059.5	6146.0	6081.8	6018.8
35°	7006.4	7093.0	6938.2	6846.4	6746.7	6661.5	6572.3	6594.6	6534.2	6438.5
37.5°	7777.6	7936.3	7772.4	7674.0	7490.4	7323.8	7074.6	6971.0	6914.6	6826.7
40°	8563.2	8653.7	8529.1	8445.2	8245.8	7984.8	7586.1	7367.1	7291.0	7205.8
42.5°	9141.7	9228.2	9161.3	9103.6	8947.5	8644.6	8129.1	7855.0	7744.8	7649.1
45°	9600.7	9665.0	9623.0	9644.0	9577.1	9283.3	8691.8	8378.3	8264.2	8147.5
47.5°	9785.6	9853.8	9920.7	10045.3	10159.4	9943.0	9296.4	8944.9	8824.3	8704.9
50°	9764.6	9834.2	10028.3	10293.2	10647.3	10575.2	9933.8	9548.2	9436.8	9300.4
52.5°	9596.8	9675.5	9924.7	10365.3	10929.3	11048.7	10583.1	10171.2	10066.3	9903.7
55°	9156.1	9203.3	9577.1	10201.4	10996.2	11379.2	11219.2	10834.9	10730.0	10503.1
57.5°	8339.0	8407.2	8951.5	9759.4	10828.3	11603.5	11777.9	11532.6	11431.7	11105.1
60°	7272.7	7381.5	8004.5	9017.1	10400.8	11602.2	12285.5	12218.6	12134.7	11697.9
62.5°	6066.0	6191.9	6791.3	7967.8	9653.2	11273.0	12602.9	12793.1	12749.8	12244.8
65°	4658.7	4745.3	5342.0	6610.3	8489.8	10566.0	12639.6	13185.2	13193.1	12660.6
67.5°	3101.9	3351.1	3869.1	4960.4	6931.7	9410.5	12317.0	13249.5	13325.6	12803.6
70°	1513.6	1841.4	2349.0	3223.8	4960.4	7638.6	11473.6	12722.2	12891.4	12386.5
72.5°	628.2	734.5	1011.2	1590.9	2847.4	5154.5	9779.1	11292.6	11606.1	10975.2
75°	423.6	459.0	578.4	815.8	1297.1	2541.8	7052.3	8420.3	8925.2	8289.1
77.5°	326.6	348.9	421.0	570.5	771.2	961.4	3774.7	5074.5	5335.5	4939.4
80°	257.1	274.1	314.8	415.8	546.9	514.1	1286.7	2299.2	2450.0	2055.2
82.5°	223.0	229.5	225.6	282.0	363.3	300.3	422.3	848.6	936.5	679.4
85°	161.3	179.7	187.6	174.4	192.8	152.1	173.1	300.3	330.5	295.1
87.5°	65.6	97.1	119.4	112.8	70.8	43.3	53.8	87.9	101.0	110.2
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°
2768.7	0°	2768.7	2768.7	2768.7	2768.7	2768.7	2768.7	2768.7	2768.7	2768.7	2768.7
2770.0	2.5°	2771.3	2780.5	2787.1	2795.0	2800.2	2808.1	2823.8	2833.0	2834.3	2840.9
2791.0	5°	2796.3	2809.4	2823.8	2844.8	2868.4	2888.1	2918.2	2939.2	2947.1	2953.7
2842.2	7.5°	2850.0	2868.4	2894.6	2931.4	2965.5	2991.7	3028.4	3053.3	3078.3	3087.4
2923.5	10°	2930.0	2956.3	2994.3	3044.2	3080.9	3115.0	3153.0	3174.0	3198.9	3209.4
3020.5	12.5°	3029.7	3057.3	3107.1	3176.6	3210.7	3234.3	3247.5	3242.2	3247.5	3256.6
3137.3	15°	3143.8	3174.0	3230.4	3305.2	3328.8	3307.8	3278.9	3252.7	3248.8	3251.4
3278.9	17.5°	3278.9	3301.2	3366.8	3429.8	3412.7	3326.1	3263.2	3221.2	3200.2	3193.7
3459.9	20°	3467.8	3467.8	3521.6	3560.9	3446.8	3299.9	3201.5	3133.3	3090.1	3071.7
3706.5	22.5°	3697.3	3676.3	3710.4	3682.9	3440.3	3226.5	3090.1	2972.0	2906.4	2880.2
4051.4	25°	3988.5	3963.6	3954.4	3783.9	3393.0	3109.7	2888.1	2745.1	2687.4	2673.0
4548.5	27.5°	4427.9	4364.9	4245.6	3839.0	3306.5	2926.1	2652.0	2519.5	2486.7	2488.1
5187.3	30°	5012.8	4886.9	4594.4	3848.1	3164.8	2666.4	2410.7	2316.2	2300.5	2307.1
5723.7	32.5°	5554.5	5435.2	4951.2	3806.2	2947.1	2412.0	2194.3	2131.3	2107.7	2115.6
6132.9	35°	5979.5	5946.7	5281.7	3747.2	2679.5	2173.3	2000.1	1946.4	1900.5	1890.0
6518.5	37.5°	6380.8	6367.7	5529.6	3664.5	2414.6	2004.1	1844.1	1773.2	1706.4	1669.6
6944.8	40°	6821.5	6808.4	5692.2	3537.3	2179.8	1857.2	1703.7	1610.6	1528.0	1461.1
7427.4	42.5°	7317.3	7239.9	5769.6	3355.0	1980.5	1732.6	1589.6	1463.7	1354.9	1293.2
7973.0	45°	7858.9	7684.5	5768.3	3122.9	1812.6	1618.5	1467.6	1289.3	1188.3	1130.6
8533.1	47.5°	8433.4	8109.4	5697.5	2865.8	1650.0	1492.6	1278.8	1142.4	1075.5	1040.1
9141.7	50°	9026.2	8506.9	5576.8	2570.7	1483.4	1349.6	1160.7	1067.6	1016.5	983.7
9745.0	52.5°	9583.7	8867.5	5431.2	2236.2	1314.2	1210.6	1108.3	1036.1	982.4	945.6
10329.9	55°	10101.7	9178.4	5225.3	1893.9	1176.5	1117.5	1083.4	1023.0	961.4	918.1
10924.1	57.5°	10562.1	9380.4	4869.9	1572.6	1078.1	1053.2	1057.1	1000.7	929.9	893.2
11509.0	60°	10945.1	9528.6	4343.9	1274.8	998.1	990.2	1016.5	958.8	876.1	834.2
12003.5	62.5°	11174.6	9525.9	3698.6	1044.0	929.9	932.5	962.7	906.3	822.4	783.0
12261.9	65°	11154.9	9292.5	2990.4	893.2	864.3	866.9	906.3	848.6	777.8	754.2
12132.0	67.5°	10760.1	8723.3	2293.9	794.8	792.2	804.0	849.9	809.2	750.2	747.6
11358.2	70°	9691.2	7541.5	1652.6	716.1	717.4	734.5	794.8	784.3	735.8	741.0
9549.5	72.5°	7771.1	5749.9	1109.6	633.5	634.8	662.3	742.3	764.6	721.4	790.9
6775.6	75°	5175.5	3585.8	713.5	545.6	546.9	582.3	696.4	726.6	682.0	788.3
3525.5	77.5°	2486.7	1611.9	516.8	459.0	459.0	491.8	602.0	650.5	581.0	612.5
1133.2	80°	859.1	605.9	406.6	369.9	362.0	384.3	507.6	564.0	501.0	461.7
369.9	82.5°	338.4	314.8	326.6	287.2	261.0	275.4	394.8	465.6	368.6	333.1
208.5	85°	194.1	204.6	230.8	190.2	150.8	169.2	289.9	334.5	278.1	245.3
68.2	87.5°	52.5	72.1	106.2	98.4	68.2	72.1	137.7	184.9	160.0	123.3
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>
2768.7
2839.6
2952.3
3088.7
3214.7
3259.3
3260.6
3202.9
3067.8
2876.3
2675.6
2492.0
2329.4
2126.1
1897.8
1670.9
1467.6
1297.1
1128.0
1032.2
971.9
929.9
901.0
869.6
815.8
771.2
752.8
751.5
739.7
801.4
794.8
561.4
432.8
331.8
250.5
127.2
0.0

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