

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: P850578

Luminaire Tested: **GLAN-SB8A-927-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850578
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-SB8A-927-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23375 lumens
Efficiency: N/A
Efficacy: 102.9 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

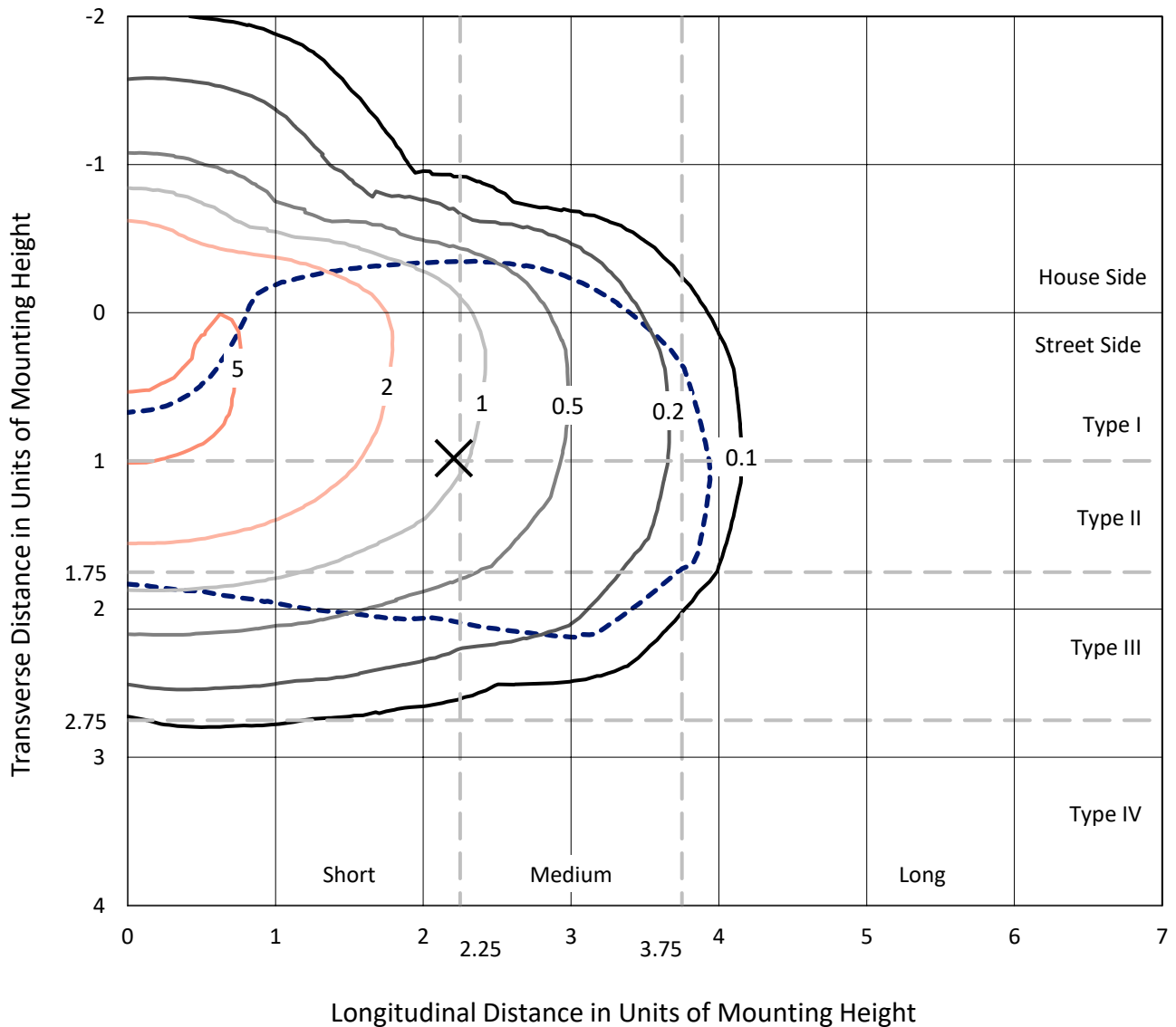
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P850578
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Iso-Footcandle Lines of Horizontal Illumination

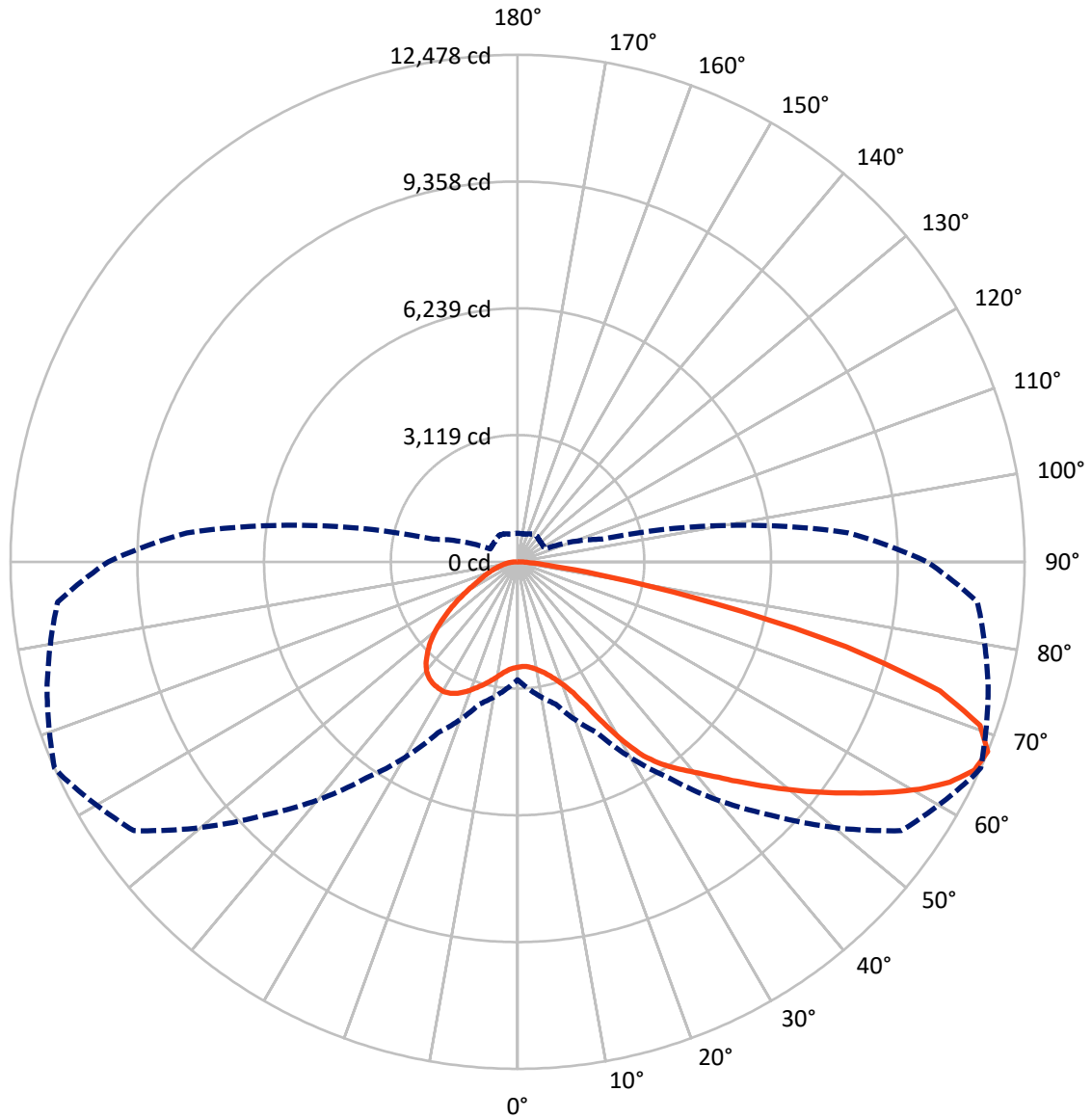
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type III - Short - N/A

REPORT NUMBER: P850578
CATALOG NUMBER: GLAN-SB8A-927-U-T3

Luminous Intensity Polar Plot



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

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 CATALOG NUMBER: GLAN-SB8A-927-U-T3

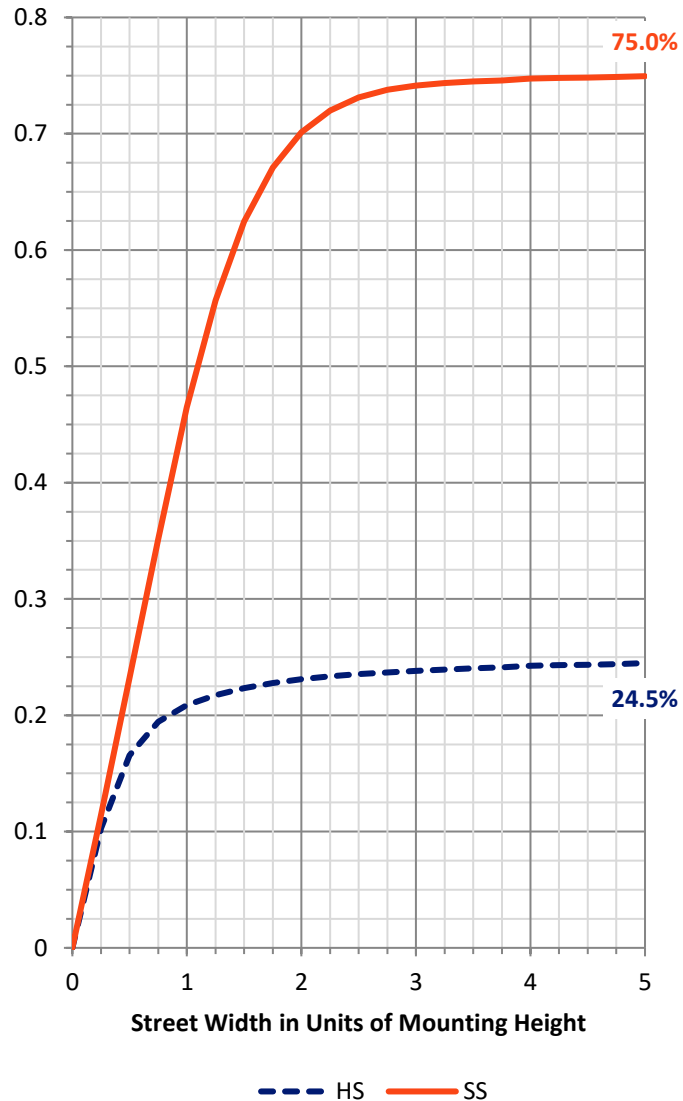
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5812.1	0.0	5812.1
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	17562.9	0.0	17562.9
	% Fixture	75.1	0.0	75.1
Total	Lumens	23375.0	0.0	23375.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.0	1.1
10°-20°	849.2	3.6
20°-30°	1636.9	7.0
30°-40°	2870.0	12.3
40°-50°	4266.8	18.3
50°-60°	5408.6	23.1
60°-70°	5292.2	22.6
70°-80°	2524.4	10.8
80°-90°	269.8	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°	23375.0	100.0
0°-180°	23375.0	100.0

Coefficient of Utilization



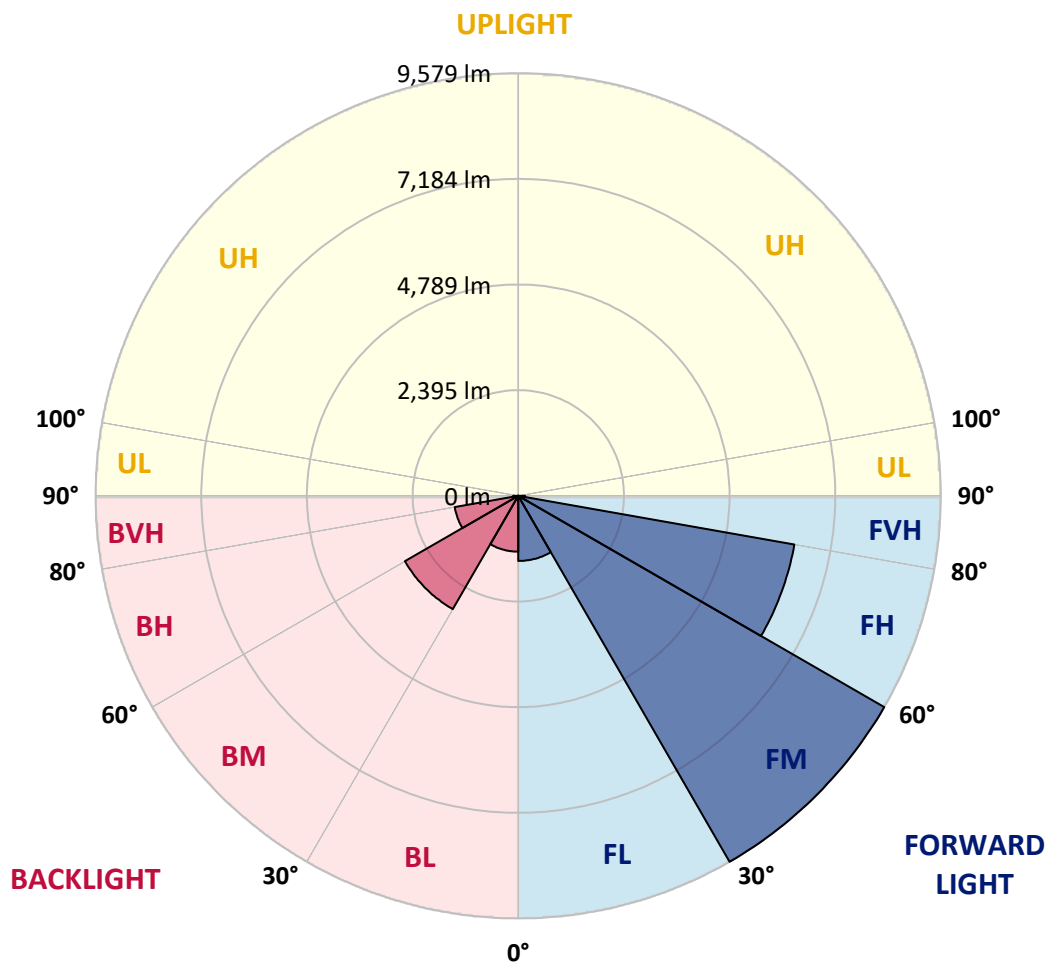
REPORT NUMBER: P850578
 CATALOG NUMBER: GLAN-SB8A-927-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1477.1	6.3			
FM (30°-60°)	9578.9	41.0			
FH (60°-80°)	6354.0	27.2			G3/7500
FVH (80°-90°)	153.0	0.7			G2/225
BL (0°-30°)	1266.1	5.4	B3/2500		
BM (30°-60°)	2966.6	12.7	B3/5000		
BH (60°-80°)	1462.6	6.3	B3/2500		G3/2500
BVH (80°-90°)	116.8	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



REPORT NUMBER: P850578
 CATALOG NUMBER: GLAN-SB8A-927-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2592.6	2592.6	2592.6	2592.6	2592.6	2592.6	2592.6	2592.6	2592.6	2592.6
2.5°	2565.6	2580.3	2576.6	2570.5	2569.3	2571.7	2575.4	2579.1	2577.9	2584.0
5°	2558.2	2572.9	2571.7	2571.7	2576.6	2586.5	2592.6	2598.7	2592.6	2600.0
7.5°	2563.1	2574.2	2579.1	2584.0	2596.3	2614.7	2629.4	2643.0	2635.6	2644.2
10°	2625.8	2634.4	2639.3	2639.3	2647.9	2668.7	2683.5	2708.0	2701.9	2715.4
12.5°	2740.0	2748.6	2748.6	2743.7	2749.8	2763.3	2768.2	2795.2	2784.2	2806.3
15°	2880.0	2897.2	2883.7	2875.1	2877.5	2891.0	2889.8	2910.7	2899.6	2918.1
17.5°	3034.7	3056.8	3034.7	3033.5	3028.6	3043.3	3044.6	3063.0	3043.3	3056.8
20°	3217.7	3248.4	3230.0	3236.1	3225.1	3231.2	3237.4	3264.4	3233.7	3243.5
22.5°	3475.6	3512.5	3492.8	3516.2	3508.8	3503.9	3502.6	3550.5	3502.6	3506.3
25°	3851.4	3895.6	3861.3	3893.2	3893.2	3909.2	3927.6	3989.0	3909.2	3885.8
27.5°	4406.6	4450.8	4383.2	4402.9	4396.7	4436.0	4416.4	4568.7	4482.7	4444.6
30°	5074.7	5153.3	5025.5	5020.6	5014.5	5077.1	5105.4	5206.1	5118.9	5080.8
32.5°	5796.8	5879.1	5726.8	5682.6	5659.3	5697.3	5674.0	5755.0	5694.9	5635.9
35°	6560.7	6641.8	6496.8	6410.9	6317.5	6237.7	6154.2	6175.1	6118.6	6028.9
37.5°	7282.9	7431.5	7277.9	7185.8	7013.9	6857.9	6624.6	6527.5	6474.7	6392.5
40°	8018.5	8103.2	7986.6	7908.0	7721.3	7476.9	7103.5	6898.4	6827.2	6747.4
42.5°	8560.1	8641.2	8578.5	8524.5	8378.3	8094.6	7612.0	7355.3	7252.1	7162.5
45°	8990.0	9050.1	9010.8	9030.5	8967.9	8692.8	8138.9	7845.3	7738.5	7629.2
47.5°	9163.1	9227.0	9289.6	9406.3	9513.1	9310.5	8705.0	8375.9	8262.9	8151.1
50°	9143.5	9208.6	9390.3	9638.4	9970.0	9902.5	9301.9	8940.8	8836.4	8708.7
52.5°	8986.3	9060.0	9293.3	9706.0	10234.1	10345.8	9909.8	9524.2	9425.9	9273.7
55°	8573.6	8617.8	8967.9	9552.4	10296.7	10655.3	10505.5	10145.6	10047.4	9834.9
57.5°	7808.5	7872.4	8382.0	9138.6	10139.5	10865.3	11028.7	10799.0	10704.4	10398.6
60°	6810.0	6912.0	7495.3	8443.4	9739.1	10864.1	11504.0	11441.3	11362.7	10953.8
62.5°	5680.1	5798.0	6359.3	7460.9	9039.1	10555.8	11801.2	11979.2	11938.7	11465.9
65°	4362.3	4443.4	5002.2	6189.8	7949.7	9893.9	11835.6	12346.5	12353.8	11855.2
67.5°	2904.5	3137.9	3623.0	4644.8	6490.7	8811.9	11533.4	12406.6	12477.9	11989.1
70°	1417.3	1724.3	2199.6	3018.8	4644.8	7152.7	10743.7	11912.9	12071.4	11598.5
72.5°	588.3	687.8	946.9	1489.7	2666.3	4826.6	9157.0	10574.3	10867.8	10277.0
75°	396.7	429.8	541.6	763.9	1214.6	2380.1	6603.7	7884.6	8357.5	7761.8
77.5°	305.8	326.7	394.2	534.2	722.1	900.2	3534.6	4751.7	4996.1	4625.2
80°	240.7	256.7	294.8	389.3	512.1	481.4	1204.8	2152.9	2294.2	1924.5
82.5°	208.8	214.9	211.2	264.0	340.2	281.2	395.5	794.6	876.9	636.2
85°	151.1	168.3	175.6	163.3	180.5	142.5	162.1	281.2	309.5	276.3
87.5°	61.4	90.9	111.8	105.6	66.3	40.5	50.4	82.3	94.6	103.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P850578
 CATALOG NUMBER: GLAN-SB8A-927-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2592.6	0°	2592.6	2592.6	2592.6	2592.6	2592.6	2592.6	2592.6	2592.6	2592.6	2592.6
2593.8	2.5°	2595.1	2603.6	2609.8	2617.2	2622.1	2629.4	2644.2	2652.8	2654.0	2660.1
2613.5	5°	2618.4	2630.7	2644.2	2663.8	2685.9	2704.4	2732.6	2752.3	2759.6	2765.8
2661.4	7.5°	2668.7	2685.9	2710.5	2744.9	2776.8	2801.4	2835.8	2859.1	2882.4	2891.0
2737.5	10°	2743.7	2768.2	2803.8	2850.5	2884.9	2916.8	2952.4	2972.1	2995.4	3005.3
2828.4	12.5°	2837.0	2862.8	2909.5	2974.5	3006.5	3028.6	3040.9	3036.0	3040.9	3049.5
2937.7	15°	2943.8	2972.1	3024.9	3094.9	3117.0	3097.4	3070.3	3045.8	3042.1	3044.6
3070.3	17.5°	3070.3	3091.2	3152.6	3211.6	3195.6	3114.6	3055.6	3016.3	2996.7	2990.5
3239.8	20°	3247.2	3247.2	3297.5	3334.4	3227.5	3090.0	2997.9	2934.0	2893.5	2876.3
3470.7	22.5°	3462.1	3442.5	3474.4	3448.6	3221.4	3021.2	2893.5	2783.0	2721.6	2697.0
3793.7	25°	3734.8	3711.4	3702.8	3543.2	3177.2	2911.9	2704.4	2570.5	2516.5	2502.9
4259.2	27.5°	4146.2	4087.2	3975.5	3594.8	3096.1	2740.0	2483.3	2359.3	2328.5	2329.8
4857.3	30°	4693.9	4576.0	4302.2	3603.4	2963.5	2496.8	2257.3	2168.9	2154.2	2160.3
5359.6	32.5°	5201.2	5089.4	4636.2	3564.1	2759.6	2258.5	2054.7	1995.7	1973.6	1981.0
5742.8	35°	5599.1	5568.4	4945.7	3508.8	2509.1	2035.0	1872.9	1822.6	1779.6	1769.7
6103.8	37.5°	5974.9	5962.6	5177.8	3431.4	2261.0	1876.6	1726.8	1660.4	1597.8	1563.4
6503.0	40°	6387.5	6375.3	5330.1	3312.3	2041.2	1739.0	1595.3	1508.2	1430.8	1368.1
6954.9	42.5°	6851.8	6779.3	5402.6	3141.6	1854.5	1622.4	1488.5	1370.6	1268.7	1210.9
7465.8	45°	7359.0	7195.7	5401.3	2924.2	1697.3	1515.5	1374.3	1207.3	1112.7	1058.7
7990.3	47.5°	7896.9	7593.6	5335.0	2683.5	1545.0	1397.6	1197.4	1069.7	1007.1	973.9
8560.1	50°	8452.0	7965.7	5222.0	2407.1	1389.0	1263.8	1086.9	999.7	951.8	921.1
9125.1	52.5°	8974.0	8303.4	5085.7	2094.0	1230.6	1133.6	1037.8	970.2	919.9	885.5
9672.8	55°	9459.1	8594.5	4892.9	1773.4	1101.6	1046.4	1014.4	957.9	900.2	859.7
10229.1	57.5°	9890.2	8783.6	4560.1	1472.5	1009.5	986.2	989.9	937.1	870.7	836.4
10776.9	60°	10248.8	8922.4	4067.6	1193.7	934.6	927.2	951.8	897.8	820.4	781.1
11239.9	62.5°	10463.7	8920.0	3463.3	977.6	870.7	873.2	901.5	848.6	770.0	733.2
11481.8	65°	10445.3	8701.3	2800.2	836.4	809.3	811.8	848.6	794.6	728.3	706.2
11360.3	67.5°	10075.6	8168.3	2148.0	744.3	741.8	752.8	795.8	757.8	702.5	700.0
10635.7	70°	9074.7	7061.8	1547.5	670.6	671.8	687.8	744.3	734.4	689.0	693.9
8942.1	72.5°	7276.7	5384.2	1039.0	593.2	594.4	620.2	695.1	716.0	675.5	740.6
6344.6	75°	4846.2	3357.7	668.1	510.9	512.1	545.3	652.1	680.4	638.6	738.1
3301.2	77.5°	2328.5	1509.4	483.9	429.8	429.8	460.6	563.7	609.2	544.1	573.5
1061.1	80°	804.4	567.4	380.7	346.3	339.0	359.8	475.3	528.1	469.1	432.3
346.3	82.5°	316.9	294.8	305.8	269.0	244.4	257.9	369.7	436.0	345.1	311.9
195.3	85°	181.8	191.6	216.2	178.1	141.2	158.4	271.4	313.2	260.4	229.7
63.9	87.5°	49.1	67.5	99.5	92.1	63.9	67.5	129.0	173.2	149.8	115.4
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°
2592.6
2658.9
2764.5
2892.3
3010.2
3051.9
3053.1
2999.1
2872.6
2693.3
2505.4
2333.5
2181.2
1990.8
1777.1
1564.6
1374.3
1214.6
1056.2
966.5
910.0
870.7
843.7
814.3
763.9
722.1
705.0
703.7
692.7
750.4
744.3
525.6
405.3
310.7
234.6
119.1
0.0

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