

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: P852751

Luminaire Tested: **GLAN-SB6A-850-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852751
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6A-850-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23085 lumens
Efficiency: N/A
Efficacy: 135.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

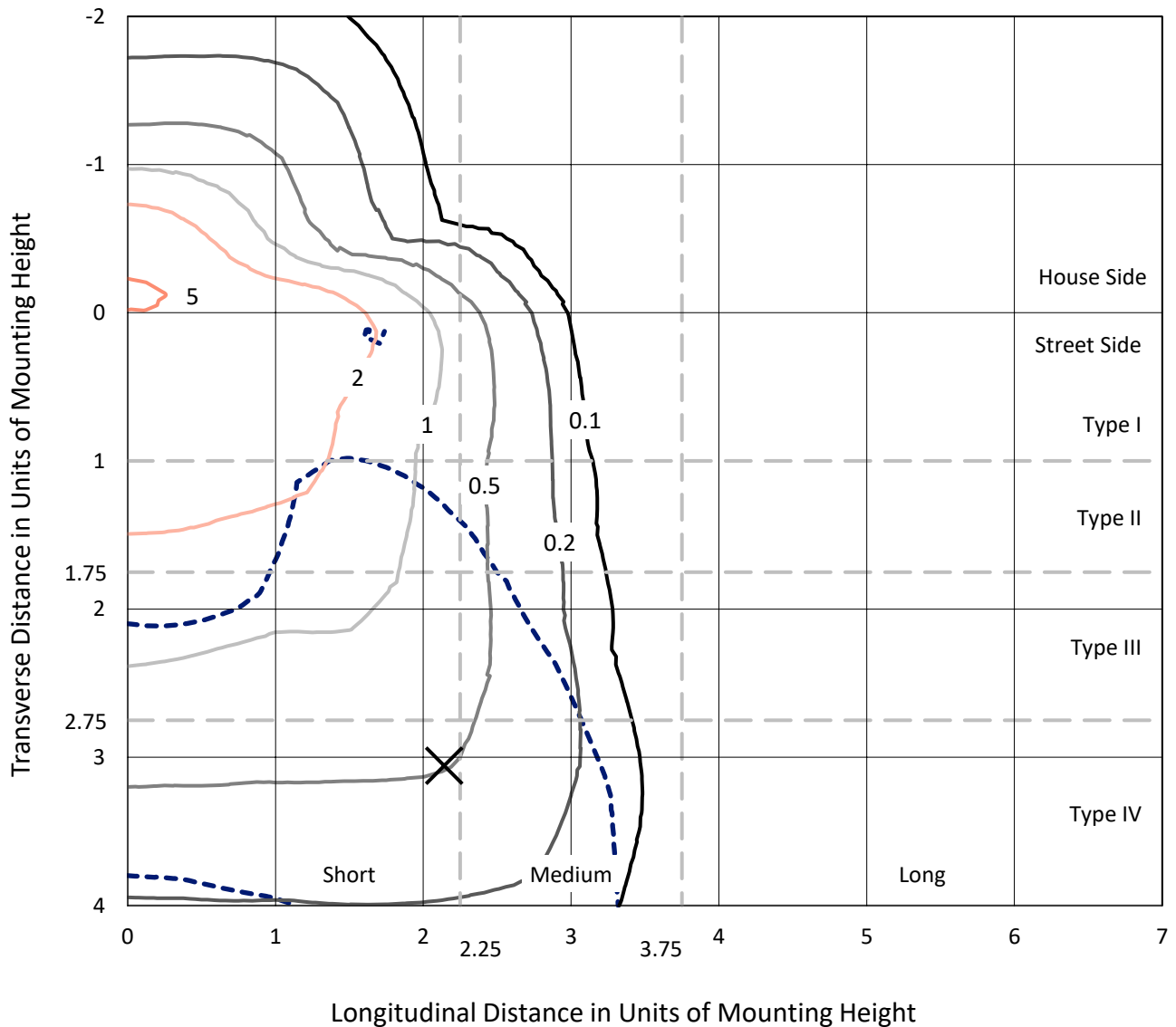
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

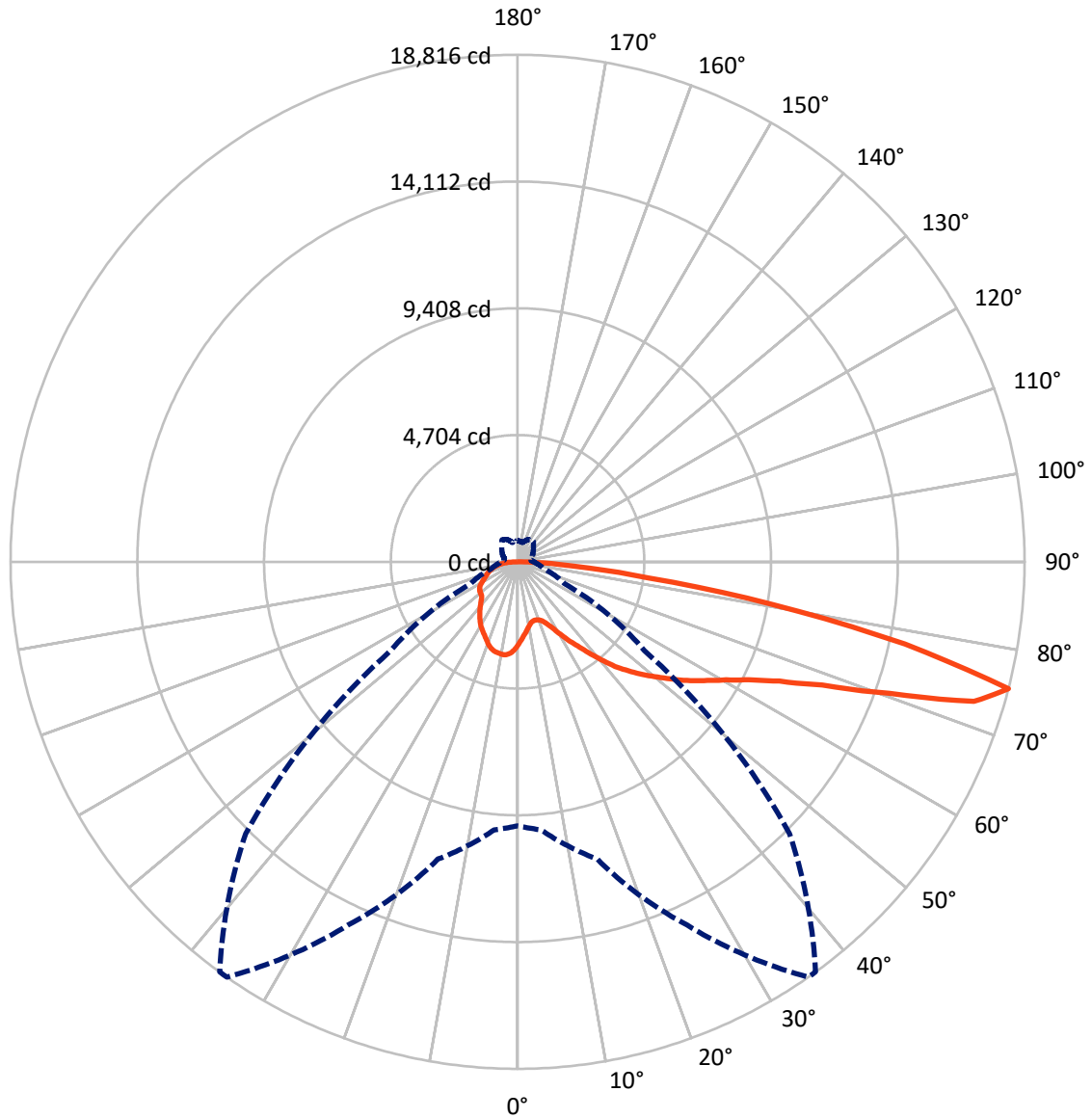
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5493.6	0.0	5493.6
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	17591.3	0.0	17591.3
	% Fixture	76.2	0.0	76.2
Total	Lumens	23085.0	0.0	23085.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.3	1.3
10°-20°	840.1	3.6
20°-30°	1410.8	6.1
30°-40°	2192.5	9.5
40°-50°	3254.3	14.1
50°-60°	4492.8	19.5
60°-70°	5450.7	23.6
70°-80°	4504.6	19.5
80°-90°	647.9	2.8
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°	23085.0	100.0
0°-180°	23085.0	100.0

Coefficient of Utilization

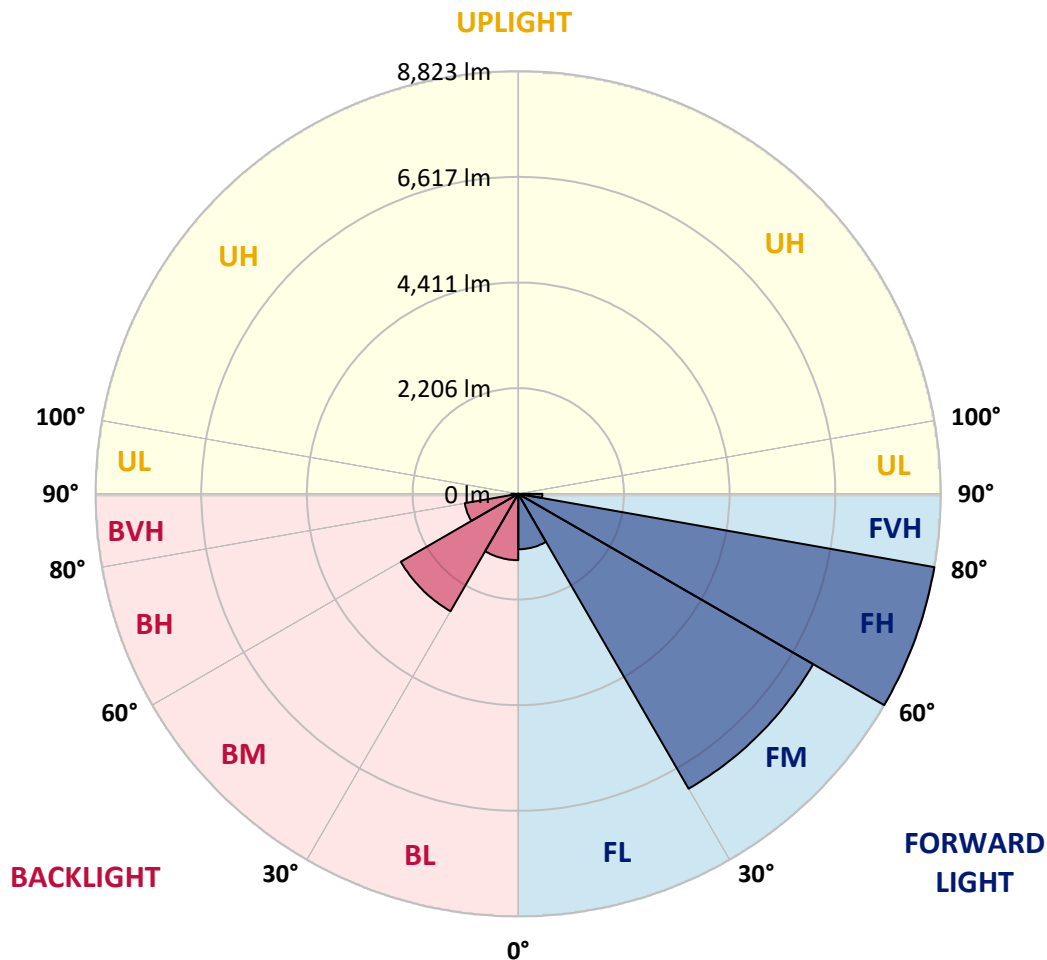


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1157.7	5.0			
FM (30°-60°)	7108.9	30.8			
FH (60°-80°)	8822.7	38.2			G4/12000
FVH (80°-90°)	502.0	2.2			G4/750
BL (0°-30°)	1384.5	6.0	B3/2500		
BM (30°-60°)	2830.7	12.3	B3/5000		
BH (60°-80°)	1132.6	4.9	B3/2500		G3/2500
BVH (80°-90°)	145.9	0.6			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°	36°	45°	55°	65°	75°
0°	3076.2	3076.2	3076.2	3076.2	3076.2	3076.2	3076.2	3076.2	3076.2	3076.2
2.5°	2836.6	2854.1	2861.6	2857.8	2876.6	2874.1	2900.3	2932.7	2977.6	3021.3
5°	2618.2	2636.9	2653.2	2668.1	2704.3	2715.6	2756.8	2819.2	2901.5	2985.1
7.5°	2414.8	2431.0	2456.0	2483.4	2544.6	2555.8	2624.5	2721.8	2836.6	2958.9
10°	2248.8	2265.1	2291.3	2322.5	2398.6	2412.3	2499.7	2629.5	2779.2	2934.0
12.5°	2177.7	2182.7	2197.7	2228.9	2295.0	2303.7	2399.8	2548.3	2723.1	2915.2
15°	2174.0	2183.9	2185.2	2201.4	2256.3	2260.1	2348.7	2495.9	2688.1	2911.5
17.5°	2211.4	2218.9	2207.6	2217.6	2263.8	2270.0	2339.9	2471.0	2676.9	2927.7
20°	2311.2	2317.5	2283.8	2270.0	2303.7	2308.7	2377.4	2487.2	2688.1	2961.4
22.5°	2523.4	2527.1	2444.8	2388.6	2391.1	2393.6	2453.5	2553.3	2731.8	3022.6
25°	2854.1	2851.6	2720.6	2612.0	2549.6	2535.9	2575.8	2660.7	2805.4	3103.7
27.5°	3241.0	3222.2	3091.2	2929.0	2792.9	2773.0	2764.2	2800.4	2910.3	3211.0
30°	3677.8	3660.3	3519.3	3307.1	3118.7	3086.2	3003.9	2985.1	3066.2	3357.0
32.5°	4157.0	4145.7	3977.3	3720.2	3468.1	3430.7	3292.1	3242.2	3305.9	3577.9
35°	4558.8	4548.8	4409.1	4144.5	3836.2	3790.1	3649.0	3592.9	3625.3	3861.2
37.5°	4922.0	4917.0	4797.2	4588.8	4270.5	4214.4	4055.9	4037.2	4030.9	4234.3
40°	5258.9	5246.4	5121.6	5011.8	4776.0	4724.8	4585.0	4568.8	4521.4	4693.6
42.5°	5632.1	5599.6	5418.7	5367.5	5303.8	5261.4	5177.8	5180.3	5075.5	5211.5
45°	5936.6	5917.8	5731.9	5701.9	5770.6	5753.1	5825.5	5844.2	5640.8	5754.4
47.5°	6263.5	6246.1	6088.8	6067.6	6253.5	6258.5	6514.4	6520.6	6192.4	6318.4
50°	6666.6	6641.7	6485.7	6511.9	6720.3	6739.0	7207.0	7164.6	6700.3	6891.3
52.5°	6932.4	6947.4	6913.7	6956.2	7240.7	7258.2	7888.4	7779.8	7203.3	7456.6
55°	7128.4	7158.3	7263.2	7360.5	7789.8	7807.3	8531.1	8365.1	7620.1	7980.7
57.5°	7380.5	7338.0	7534.0	7723.7	8311.4	8357.6	9156.3	8929.2	7989.5	8432.5
60°	7742.4	7712.4	7864.7	8145.5	8895.5	8969.1	9817.7	9437.1	8260.3	8790.7
62.5°	8476.2	8401.3	8425.0	8673.4	9631.8	9729.1	10564.0	9880.1	8395.1	8930.4
65°	9573.1	9444.6	9324.8	9497.0	10668.8	10764.9	11406.4	10228.3	8345.1	8659.6
67.5°	10954.6	10827.3	10680.1	10842.3	12196.4	12272.5	12445.9	10424.2	7952.0	7616.3
70°	12094.0	12046.6	12222.6	12890.2	14636.1	14638.6	13778.8	10262.0	6875.0	5399.9
72.5°	11943.0	11914.3	12841.6	14905.7	17711.1	17645.0	15040.5	9034.0	4631.2	2436.0
75°	9797.8	9983.7	11420.1	14869.5	18815.6	18806.8	14268.0	5743.1	1915.6	1009.6
77.5°	5253.9	5548.5	7414.2	10978.3	14688.5	14909.4	10031.1	2009.2	822.4	646.4
80°	1713.5	1970.5	2955.2	5589.6	9544.4	9503.2	4299.2	788.7	562.8	458.0
82.5°	727.6	757.5	1320.3	2639.4	4898.3	4822.1	1369.0	453.0	395.6	313.2
85°	284.5	318.2	582.8	1220.5	2121.5	2075.4	494.2	224.6	253.3	204.7
87.5°	93.6	113.6	208.4	418.1	660.2	636.5	121.1	77.4	109.8	93.6
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°
3076.2	0°	3076.2	3076.2	3076.2	3076.2	3076.2	3076.2	3076.2	3076.2	3076.2	3076.2
3085.0	2.5°	3102.4	3122.4	3146.1	3181.1	3211.0	3236.0	3262.2	3278.4	3284.6	3303.4
3090.0	5°	3124.9	3168.6	3227.2	3284.6	3340.8	3374.5	3404.4	3419.4	3433.2	3443.1
3103.7	7.5°	3162.3	3218.5	3310.8	3385.7	3433.2	3460.6	3480.6	3475.6	3480.6	3483.1
3118.7	10°	3194.8	3273.4	3383.2	3454.4	3490.6	3491.8	3486.8	3469.3	3460.6	3461.9
3141.1	12.5°	3233.5	3320.8	3439.4	3499.3	3509.3	3481.8	3460.6	3430.7	3419.4	3414.4
3174.8	15°	3285.9	3385.7	3500.5	3523.0	3498.0	3463.1	3426.9	3378.2	3353.3	3333.3
3232.2	17.5°	3349.5	3459.4	3548.0	3531.7	3478.1	3420.7	3362.0	3288.4	3237.2	3216.0
3310.8	20°	3438.1	3536.7	3584.2	3513.0	3431.9	3344.5	3244.7	3154.9	3107.4	3086.2
3410.7	22.5°	3545.5	3640.3	3619.1	3480.6	3365.8	3226.0	3101.2	3035.0	3011.3	2996.4
3539.2	25°	3674.0	3755.1	3644.1	3433.2	3257.2	3068.7	2972.7	2951.4	2940.2	2929.0
3696.5	27.5°	3841.2	3884.9	3662.8	3363.3	3087.5	2901.5	2866.6	2870.3	2866.6	2847.9
3914.9	30°	4062.1	4053.4	3680.2	3249.7	2892.8	2750.5	2753.0	2769.2	2771.7	2759.2
4219.4	32.5°	4352.9	4264.3	3689.0	3102.4	2706.8	2618.2	2620.7	2638.2	2650.7	2629.5
4617.5	35°	4704.8	4510.1	3675.3	2917.7	2563.3	2492.2	2473.5	2478.5	2482.2	2462.2
5100.4	37.5°	5115.4	4785.9	3614.1	2713.1	2444.8	2368.6	2328.7	2295.0	2275.0	2256.3
5647.0	40°	5565.9	5086.7	3501.8	2513.4	2312.5	2237.6	2177.7	2114.1	2046.7	2021.7
6226.1	42.5°	6037.7	5396.2	3365.8	2322.5	2160.2	2099.1	2035.4	1943.1	1842.0	1790.8
6827.6	45°	6526.9	5713.2	3232.2	2134.0	2004.2	1978.0	1904.4	1793.3	1683.5	1618.6
7430.4	47.5°	7006.1	6012.7	3036.3	1944.3	1858.2	1886.9	1829.5	1727.2	1604.9	1502.5
8028.2	50°	7464.1	6293.5	2715.6	1752.1	1739.7	1859.5	1804.6	1657.3	1517.5	1386.5
8614.7	52.5°	7918.3	6520.6	2305.0	1577.4	1676.0	1852.0	1772.1	1609.9	1438.9	1301.6
9166.3	55°	8304.0	6637.9	1909.4	1427.7	1583.7	1788.3	1733.4	1553.7	1327.8	1181.8
9544.4	57.5°	8523.6	6543.1	1579.9	1280.4	1456.4	1683.5	1667.3	1433.9	1195.5	1083.2
9618.1	60°	8428.8	6158.7	1310.4	1151.9	1335.3	1569.9	1552.5	1315.4	1094.5	988.4
9223.7	62.5°	7905.9	5426.1	1097.0	1039.6	1225.5	1453.9	1437.7	1224.3	1017.1	914.8
8176.7	65°	6852.6	4414.1	931.0	946.0	1114.4	1314.1	1337.8	1148.1	955.9	856.1
6325.9	67.5°	5226.5	3197.3	801.2	864.8	1005.9	1176.8	1245.5	1093.2	904.8	809.9
3660.3	70°	2978.9	1815.8	691.4	786.2	909.8	1049.5	1174.3	1049.5	849.9	771.2
1371.5	72.5°	1129.4	833.6	597.8	707.6	817.4	942.2	1095.7	980.9	786.2	727.6
708.8	75°	602.8	507.9	502.9	615.2	711.3	837.4	997.1	913.5	738.8	768.7
490.5	77.5°	410.6	359.4	420.6	526.6	595.3	721.3	892.3	811.2	640.2	637.7
339.4	80°	284.5	254.6	341.9	424.3	460.5	606.5	778.7	696.4	521.6	486.7
209.7	82.5°	171.0	166.0	255.8	317.0	325.7	468.0	645.2	584.0	426.8	371.9
124.8	85°	93.6	98.6	163.5	185.9	189.7	327.0	505.4	451.8	328.2	275.8
44.9	87.5°	26.2	33.7	59.9	73.6	91.1	169.7	300.8	268.3	164.7	114.8
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°
3076.2
3302.1
3445.6
3486.8
3464.3
3411.9
3339.6
3217.3
3083.7
2998.9
2929.0
2851.6
2765.5
2639.4
2476.0
2268.8
2032.9
1797.1
1613.6
1491.3
1375.3
1286.7
1169.3
1068.3
973.4
898.5
839.9
795.0
761.3
717.6
793.7
587.8
465.5
374.4
278.3
114.8
0.0

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