

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: P853025

Luminaire Tested: **GLAN-SB8A-927-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853025
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-SB8A-927-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23087 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

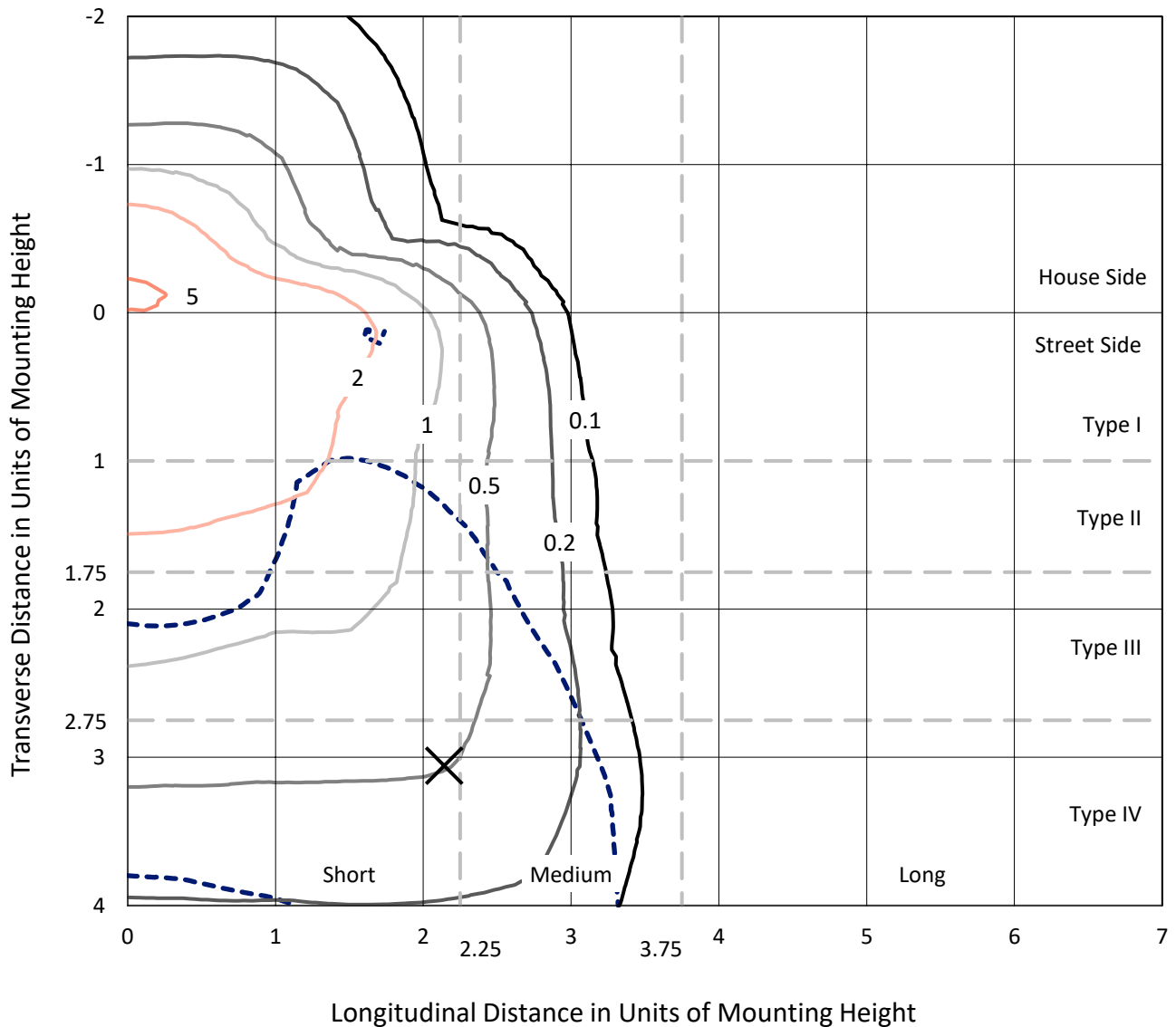
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

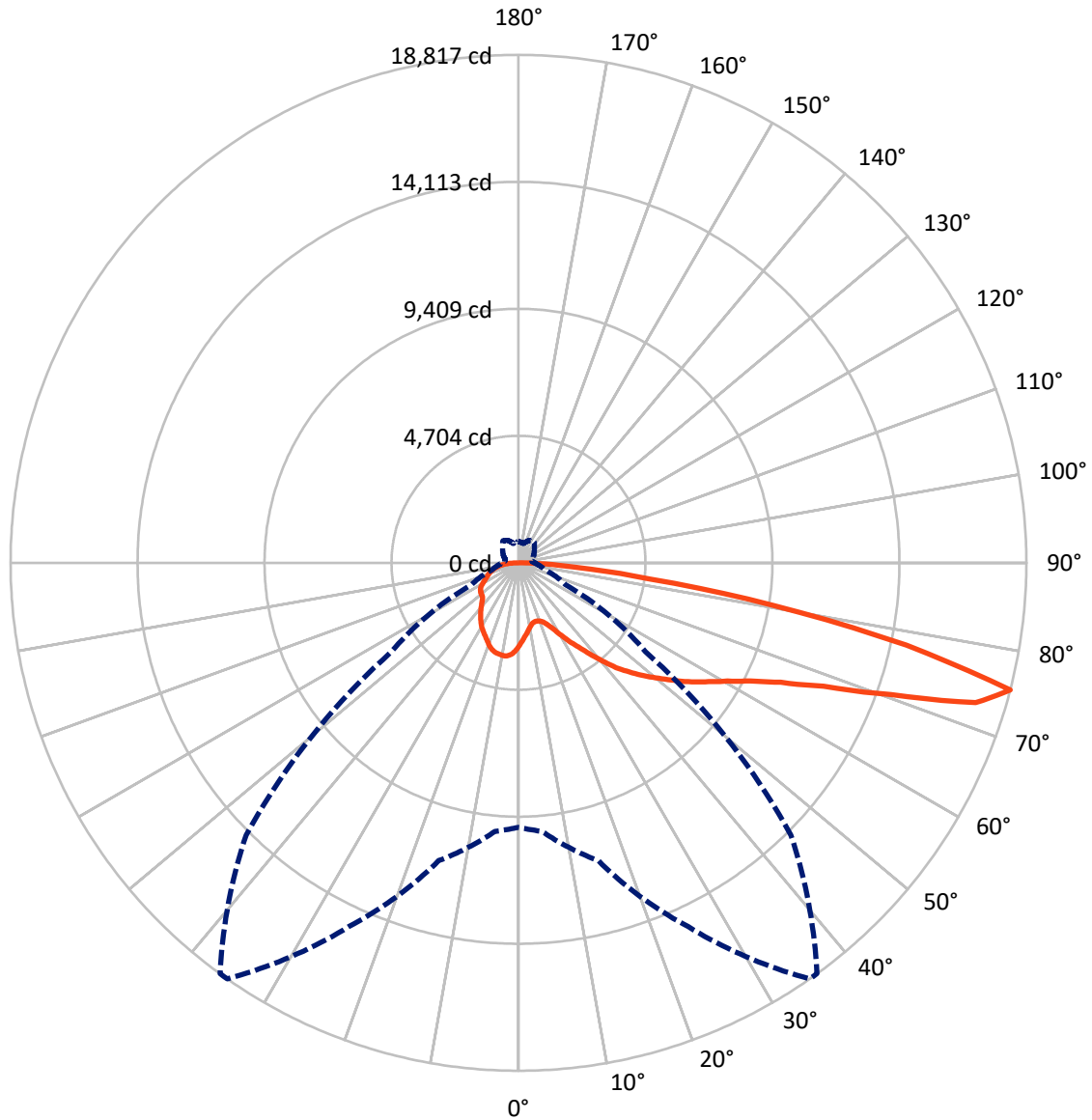
✕ Max cd
 - - - 1/2 Max cd



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	5494.1	0.0	5494.1
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	17592.9	0.0	17592.9
	% Fixture	76.2	0.0	76.2
Total	Lumens	23087.0	0.0	23087.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.3	1.3
10°-20°	840.2	3.6
20°-30°	1410.9	6.1
30°-40°	2192.7	9.5
40°-50°	3254.6	14.1
50°-60°	4493.1	19.5
60°-70°	5451.2	23.6
70°-80°	4505.0	19.5
80°-90°	648.0	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°	23087.0	100.0
0°-180°	23087.0	100.0

Coefficient of Utilization

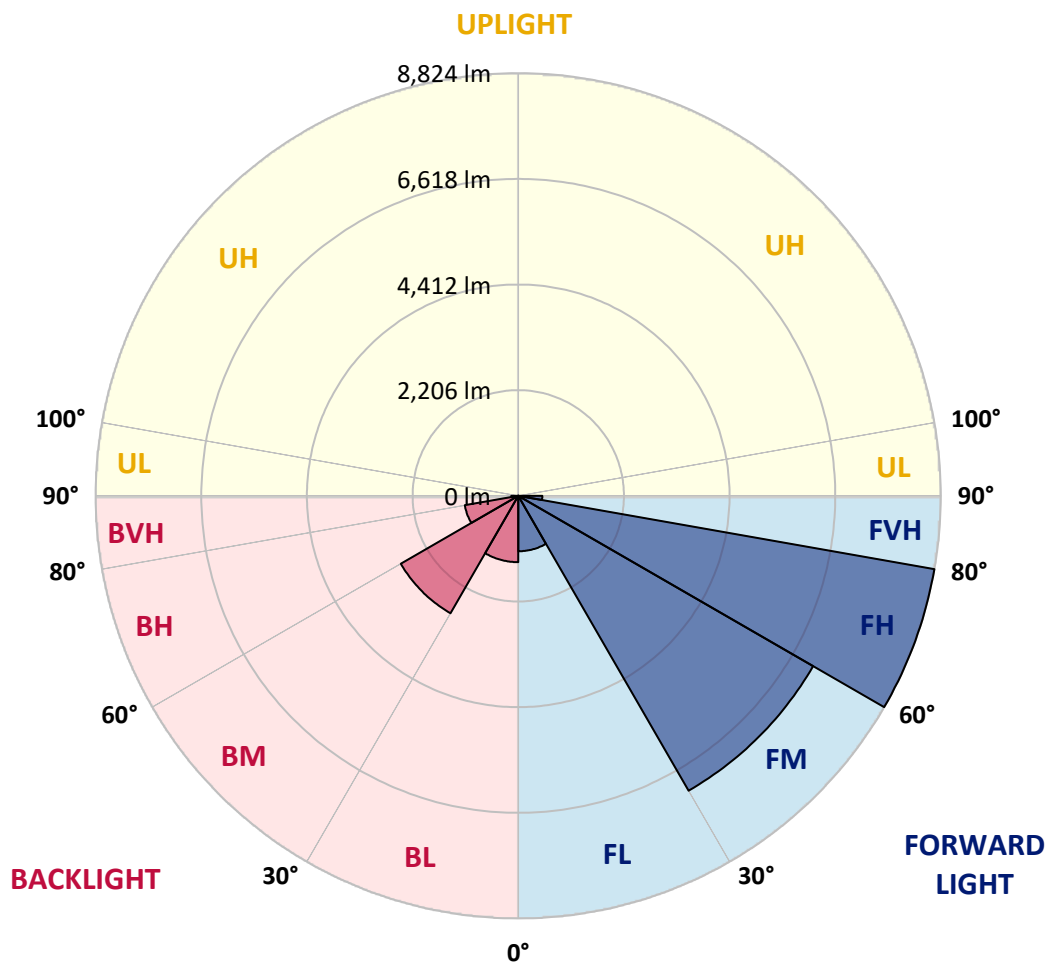


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1157.8	5.0			
FM (30°-60°)	7109.5	30.8			
FH (60°-80°)	8823.5	38.2			G4/12000
FVH (80°-90°)	502.1	2.2			G4/750
BL (0°-30°)	1384.6	6.0	B3/2500		
BM (30°-60°)	2830.9	12.3	B3/5000		
BH (60°-80°)	1132.7	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°	3076.5	3076.5	3076.5	3076.5	3076.5	3076.5	3076.5	3076.5	3076.5	3076.5
2.5°	2836.9	2854.3	2861.8	2858.1	2876.8	2874.3	2900.5	2933.0	2977.9	3021.6
5°	2618.5	2637.2	2653.4	2668.4	2704.6	2715.8	2757.0	2819.4	2901.8	2985.4
7.5°	2415.0	2431.2	2456.2	2483.7	2544.8	2556.1	2624.7	2722.0	2836.9	2959.2
10°	2249.0	2265.3	2291.5	2322.7	2398.8	2412.5	2499.9	2629.7	2779.5	2934.2
12.5°	2177.9	2182.9	2197.9	2229.1	2295.2	2303.9	2400.0	2548.6	2723.3	2915.5
15°	2174.1	2184.1	2185.4	2201.6	2256.5	2260.3	2348.9	2496.1	2688.3	2911.8
17.5°	2211.6	2219.1	2207.8	2217.8	2264.0	2270.2	2340.1	2471.2	2677.1	2928.0
20°	2311.4	2317.7	2284.0	2270.2	2303.9	2308.9	2377.6	2487.4	2688.3	2961.7
22.5°	2523.6	2527.3	2445.0	2388.8	2391.3	2393.8	2453.7	2553.6	2732.0	3022.8
25°	2854.3	2851.8	2720.8	2612.2	2549.8	2536.1	2576.0	2660.9	2805.7	3104.0
27.5°	3241.2	3222.5	3091.5	2929.2	2793.2	2773.2	2764.5	2800.7	2910.5	3211.3
30°	3678.1	3660.6	3519.6	3307.4	3118.9	3086.5	3004.1	2985.4	3066.5	3357.3
32.5°	4157.3	4146.1	3977.6	3720.5	3468.4	3431.0	3292.4	3242.5	3306.1	3578.2
35°	4559.2	4549.2	4409.4	4144.8	3836.6	3790.4	3649.4	3593.2	3625.7	3861.5
37.5°	4922.4	4917.4	4797.6	4589.2	4270.9	4214.7	4056.2	4037.5	4031.3	4234.7
40°	5259.4	5246.9	5122.1	5012.3	4776.4	4725.2	4585.4	4569.2	4521.8	4694.0
42.5°	5632.6	5600.1	5419.1	5368.0	5304.3	5261.9	5178.3	5180.7	5075.9	5212.0
45°	5937.1	5918.4	5732.4	5702.4	5771.1	5753.6	5826.0	5844.7	5641.3	5754.9
47.5°	6264.1	6246.6	6089.3	6068.1	6254.1	6259.1	6514.9	6521.2	6192.9	6319.0
50°	6667.2	6642.2	6486.2	6512.4	6720.9	6739.6	7207.6	7165.2	6700.9	6891.9
52.5°	6933.0	6948.0	6914.3	6956.8	7241.3	7258.8	7889.1	7780.5	7203.9	7457.2
55°	7129.0	7158.9	7263.8	7361.1	7790.5	7807.9	8531.8	8365.8	7620.7	7981.4
57.5°	7381.1	7338.7	7534.6	7724.3	8312.2	8358.3	9157.1	8930.0	7990.2	8433.2
60°	7743.0	7713.1	7865.4	8146.2	8896.3	8969.9	9818.6	9437.9	8261.0	8791.4
62.5°	8476.9	8402.0	8425.7	8674.1	9632.6	9730.0	10564.9	9881.0	8395.8	8931.2
65°	9574.0	9445.4	9325.6	9497.8	10669.8	10765.9	11407.4	10229.2	8345.9	8660.4
67.5°	10955.6	10828.3	10681.0	10843.3	12197.4	12273.5	12447.0	10425.2	7952.7	7617.0
70°	12095.1	12047.6	12223.6	12891.3	14637.4	14639.9	13780.0	10262.9	6875.6	5400.4
72.5°	11944.1	11915.3	12842.7	14907.0	17712.6	17646.5	15041.8	9034.8	4631.6	2436.2
75°	9798.6	9984.6	11421.1	14870.8	18817.2	18808.5	14269.2	5743.6	1915.8	1009.7
77.5°	5254.4	5548.9	7414.8	10979.3	14689.8	14910.7	10032.0	2009.4	822.5	646.5
80°	1713.6	1970.7	2955.4	5590.1	9545.3	9504.1	4299.6	788.8	562.9	458.0
82.5°	727.6	757.6	1320.5	2639.7	4898.7	4822.6	1369.1	453.1	395.6	313.3
85°	284.6	318.3	582.8	1220.6	2121.7	2075.5	494.2	224.7	253.4	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°
3076.5	0°	3076.5	3076.5	3076.5	3076.5	3076.5	3076.5	3076.5	3076.5	3076.5	3076.5
3085.2	2.5°	3102.7	3122.7	3146.4	3181.3	3211.3	3236.3	3262.5	3278.7	3284.9	3303.6
3090.2	5°	3125.2	3168.9	3227.5	3284.9	3341.1	3374.8	3404.7	3419.7	3433.4	3443.4
3104.0	7.5°	3162.6	3218.8	3311.1	3386.0	3433.4	3460.9	3480.9	3475.9	3480.9	3483.4
3118.9	10°	3195.1	3273.7	3383.5	3454.7	3490.9	3492.1	3487.1	3469.6	3460.9	3462.2
3141.4	12.5°	3233.8	3321.1	3439.7	3499.6	3509.6	3482.1	3460.9	3431.0	3419.7	3414.7
3175.1	15°	3286.2	3386.0	3500.8	3523.3	3498.3	3463.4	3427.2	3378.5	3353.6	3333.6
3232.5	17.5°	3349.8	3459.7	3548.3	3532.0	3478.4	3421.0	3362.3	3288.7	3237.5	3216.3
3311.1	20°	3438.4	3537.0	3584.5	3513.3	3432.2	3344.8	3245.0	3155.1	3107.7	3086.5
3411.0	22.5°	3545.8	3640.6	3619.4	3480.9	3366.1	3226.3	3101.5	3035.3	3011.6	2996.6
3539.5	25°	3674.3	3755.5	3644.4	3433.4	3257.5	3069.0	2972.9	2951.7	2940.5	2929.2
3696.8	27.5°	3841.6	3885.2	3663.1	3363.6	3087.7	2901.8	2866.8	2870.6	2866.8	2848.1
3915.2	30°	4062.5	4053.7	3680.6	3250.0	2893.0	2750.8	2753.2	2769.5	2772.0	2759.5
4219.7	32.5°	4353.3	4264.7	3689.3	3102.7	2707.1	2618.5	2621.0	2638.4	2650.9	2629.7
4617.9	35°	4705.2	4510.5	3675.6	2918.0	2563.5	2492.4	2473.7	2478.7	2482.4	2462.4
5100.9	37.5°	5115.8	4786.4	3614.4	2713.3	2445.0	2368.8	2328.9	2295.2	2275.2	2256.5
5647.5	40°	5566.4	5087.1	3502.1	2513.6	2312.7	2237.8	2177.9	2114.2	2046.8	2021.9
6226.6	42.5°	6038.2	5396.7	3366.1	2322.7	2160.4	2099.3	2035.6	1943.2	1842.2	1791.0
6828.2	45°	6527.4	5713.7	3232.5	2134.2	2004.4	1978.2	1904.6	1793.5	1683.6	1618.8
7431.0	47.5°	7006.7	6013.2	3036.6	1944.5	1858.4	1887.1	1829.7	1727.3	1605.0	1502.7
8028.9	50°	7464.7	6294.0	2715.8	1752.3	1739.8	1859.6	1804.7	1657.4	1517.7	1386.6
8615.4	52.5°	7919.0	6521.2	2305.2	1577.6	1676.2	1852.1	1772.3	1610.0	1439.0	1301.7
9167.1	55°	8304.7	6638.5	1909.6	1427.8	1583.8	1788.5	1733.6	1553.9	1327.9	1181.9
9545.3	57.5°	8524.3	6543.6	1580.1	1280.5	1456.5	1683.6	1667.4	1434.0	1195.7	1083.3
9618.9	60°	8429.5	6159.2	1310.5	1152.0	1335.4	1570.1	1552.6	1315.5	1094.6	988.5
9224.5	62.5°	7906.5	5426.6	1097.1	1039.6	1225.6	1454.0	1437.8	1224.4	1017.2	914.8
8177.4	65°	6853.2	4414.4	931.1	946.0	1114.5	1314.2	1337.9	1148.2	956.0	856.2
6326.5	67.5°	5226.9	3197.6	801.3	864.9	1005.9	1176.9	1245.6	1093.3	904.9	810.0
3660.6	70°	2979.1	1815.9	691.4	786.3	909.8	1049.6	1174.4	1049.6	849.9	771.3
1371.6	72.5°	1129.5	833.7	597.8	707.7	817.5	942.3	1095.8	981.0	786.3	727.6
708.9	75°	602.8	508.0	503.0	615.3	711.4	837.5	997.2	913.6	738.9	768.8
490.5	77.5°	410.6	359.4	420.6	526.7	595.3	721.4	892.4	811.2	640.3	637.8
339.5	80°	284.6	254.6	342.0	424.3	460.5	606.6	778.8	696.4	521.7	486.7
209.7	82.5°	171.0	166.0	255.9	317.0	325.7	468.0	645.3	584.1	426.8	371.9
124.8	85°	93.6	98.6	163.5	186.0	189.7	327.0	505.5	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°
3076.5
3302.4
3445.9
3487.1
3464.6
3412.2
3339.8
3217.5
3084.0
2999.1
2929.2
2851.8
2765.7
2639.7
2476.2
2269.0
2033.1
1797.2
1613.8
1491.4
1375.4
1286.8
1169.4
1068.4
973.5
898.6
840.0
795.0
761.3
717.6
793.8
587.8
465.5
374.4
278.3
114.8
0.0

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