

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: P853160

Luminaire Tested: **GLAN-SB9A-927-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853160
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9A-927-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19922 lumens
Efficiency: N/A
Efficacy: 78.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

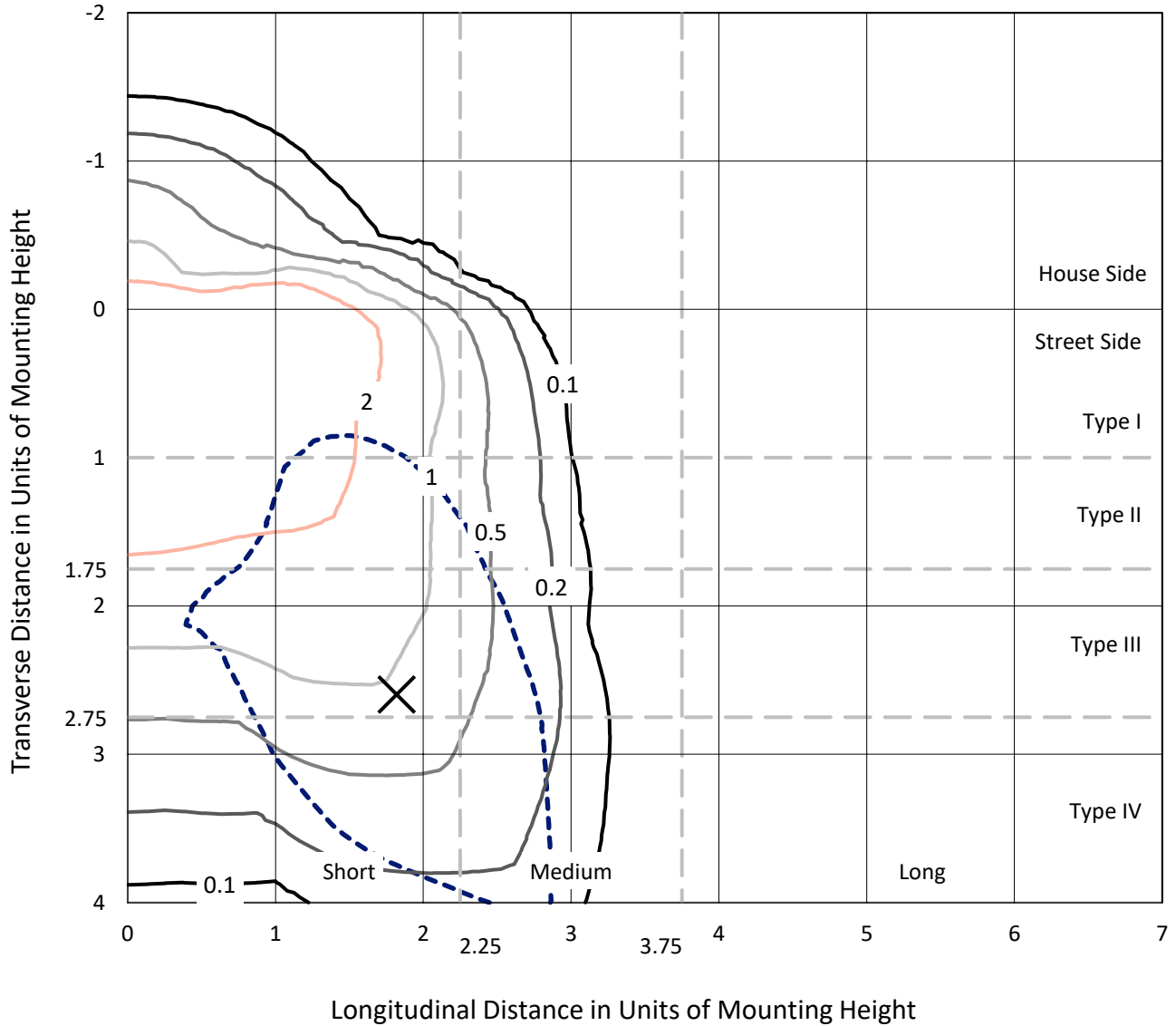
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

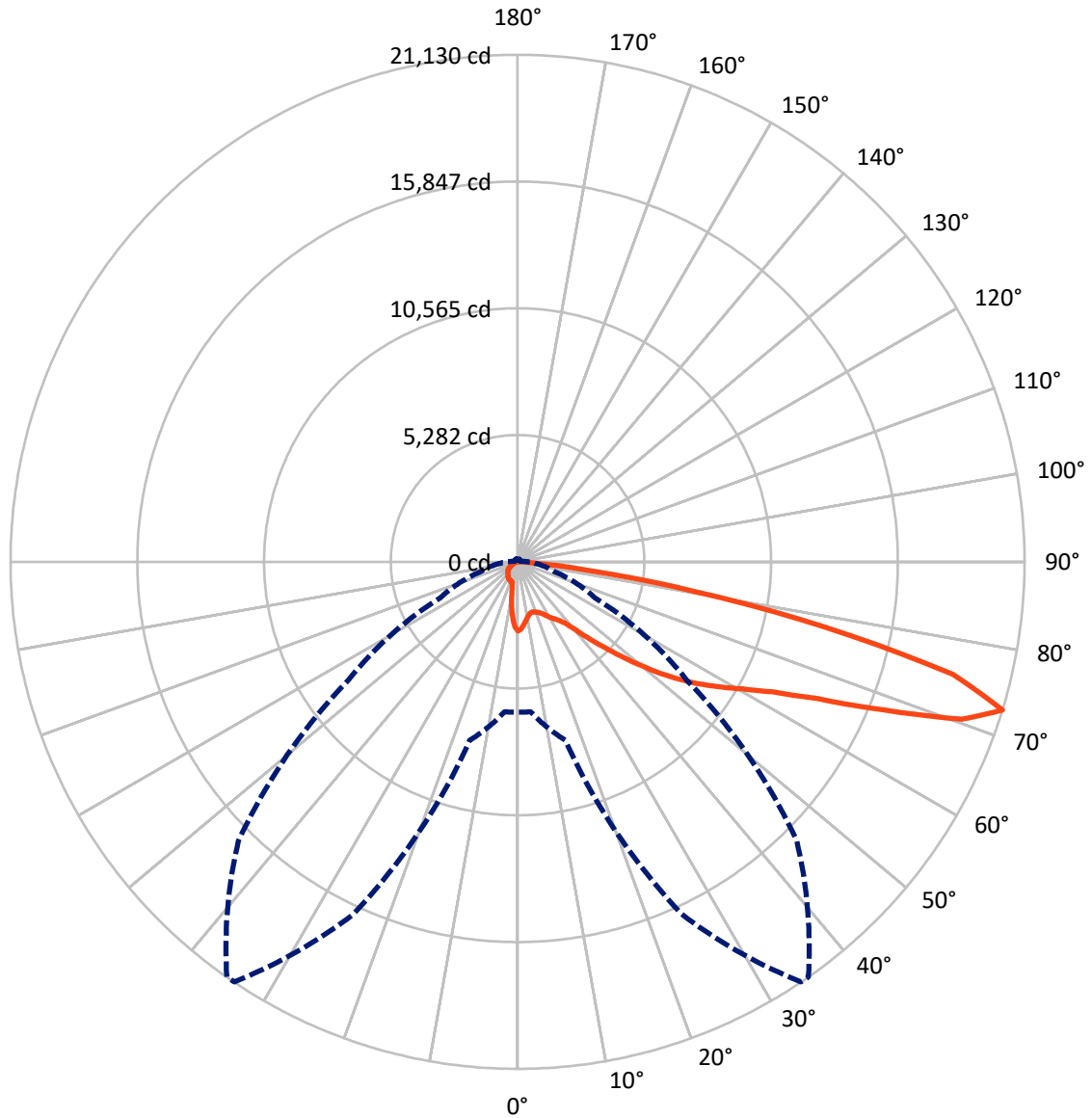
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2242.1	0.0	2242.1
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	17679.9	0.0	17679.9
	% Fixture	88.7	0.0	88.7
Total	Lumens	19922.0	0.0	19922.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.3	1.2
10°-20°	555.1	2.8
20°-30°	901.7	4.5
30°-40°	1504.4	7.6
40°-50°	2846.4	14.3
50°-60°	4522.9	22.7
60°-70°	5595.2	28.1
70°-80°	3478.0	17.5
80°-90°	281.1	1.4
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°	19922.0	100.0
0°-180°	19922.0	100.0

Coefficient of Utilization

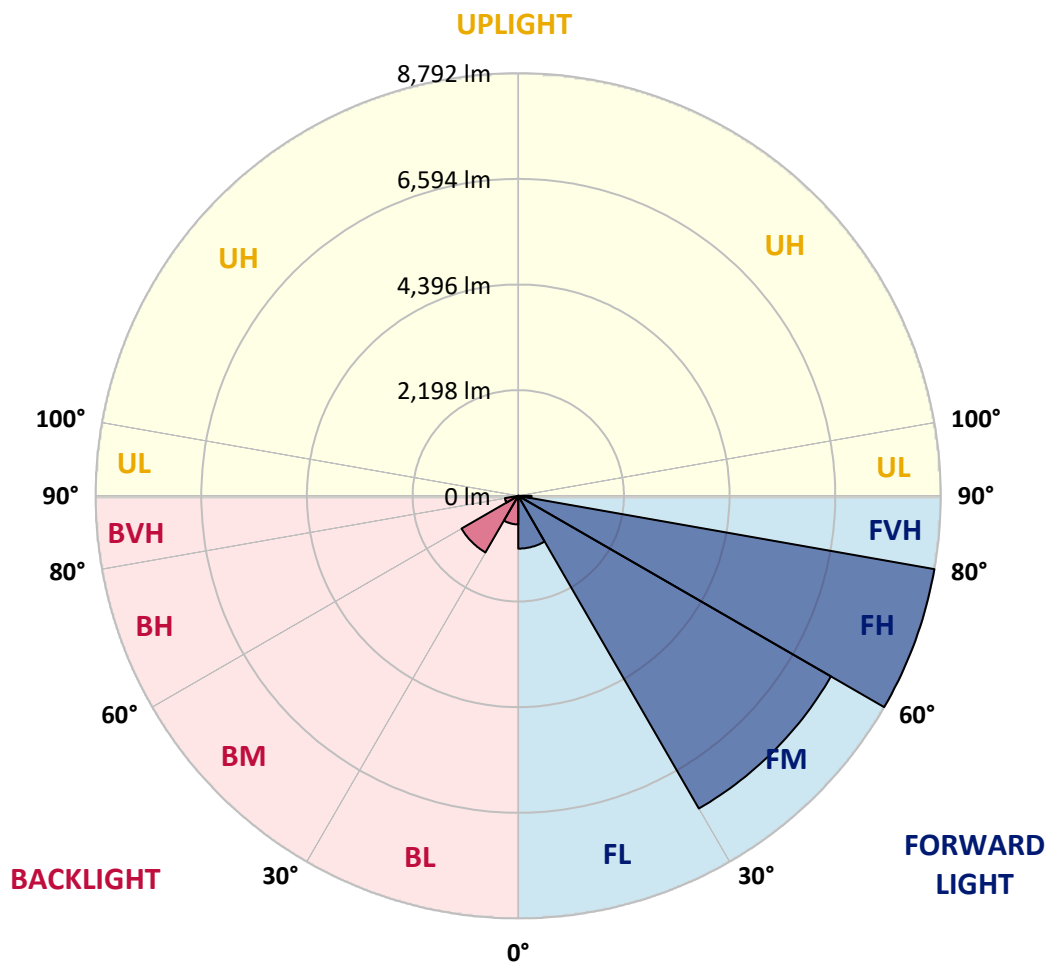


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1098.2	5.5			
FM (30°-60°)	7512.6	37.7			
FH (60°-80°)	8791.8	44.1			G4/12000
FVH (80°-90°)	277.3	1.4			G3/500
BL (0°-30°)	595.8	3.0	B2/1000		
BM (30°-60°)	1361.2	6.8	B2/2500		
BH (60°-80°)	281.4	1.4	B1/500		G1/500
BVH (80°-90°)	3.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2887.4	2887.4	2887.4	2887.4	2887.4	2887.4	2887.4	2887.4	2887.4	2887.4
2.5°	2758.9	2782.3	2786.6	2793.9	2793.9	2802.7	2817.3	2837.7	2871.3	2888.8
5°	2542.9	2560.4	2582.3	2599.8	2633.4	2637.8	2694.7	2750.2	2827.5	2885.9
7.5°	2325.4	2345.8	2375.0	2417.3	2461.1	2474.3	2560.4	2653.8	2776.4	2885.9
10°	2172.1	2173.6	2199.8	2242.2	2312.2	2328.3	2433.4	2566.2	2719.5	2868.4
12.5°	2086.0	2096.2	2107.9	2140.0	2207.1	2217.3	2329.7	2485.9	2662.6	2858.2
15°	2086.0	2093.3	2100.6	2116.6	2170.6	2179.4	2278.7	2434.8	2633.4	2862.6
17.5°	2107.9	2119.5	2113.7	2132.7	2189.6	2195.4	2283.0	2420.2	2631.9	2890.3
20°	2160.4	2169.2	2157.5	2169.2	2226.1	2237.8	2328.3	2448.0	2656.7	2938.5
22.5°	2243.6	2248.0	2220.3	2229.0	2287.4	2302.0	2407.1	2526.8	2716.6	3015.8
25°	2348.7	2357.5	2315.1	2325.4	2380.8	2398.4	2519.5	2645.0	2811.5	3122.4
27.5°	2469.9	2474.3	2437.8	2436.3	2507.8	2532.6	2655.3	2791.0	2938.5	3256.7
30°	2608.6	2621.7	2586.7	2580.8	2671.3	2691.8	2812.9	2970.6	3125.3	3458.1
32.5°	2718.0	2728.3	2707.8	2722.4	2814.4	2830.4	3004.1	3224.6	3418.7	3744.2
35°	2875.7	2881.5	2834.8	2861.1	2966.2	3007.1	3265.4	3580.7	3788.0	4103.3
37.5°	3446.4	3446.4	3247.9	3118.0	3218.7	3255.2	3623.1	4028.9	4243.5	4585.0
40°	4236.2	4223.0	3932.5	3666.9	3653.7	3725.3	4132.5	4593.8	4831.7	5163.1
42.5°	5078.4	5058.0	4662.4	4399.7	4355.9	4380.7	4720.8	5290.1	5532.4	5868.2
45°	5825.8	5820.0	5458.0	5104.7	5025.9	5104.7	5455.0	6104.6	6278.3	6631.6
47.5°	6452.1	6452.1	6187.8	5957.2	5916.3	5963.0	6449.1	7008.2	6992.2	7444.7
50°	7173.2	7167.3	6916.2	6817.0	6859.3	6925.0	7593.6	7960.0	7730.8	8243.2
52.5°	7678.2	7713.3	7627.1	7611.1	7827.1	7941.0	8755.5	8891.3	8392.0	9000.8
55°	8078.2	8119.1	8218.3	8330.7	8746.8	8895.7	9881.0	9774.4	8945.3	9657.6
57.5°	8644.6	8586.2	8739.5	8961.3	9634.3	9813.8	10971.4	10607.9	9390.5	10190.4
60°	9332.1	9340.9	9367.2	9647.4	10520.3	10751.0	12045.8	11396.2	9676.6	10517.4
62.5°	10158.3	10171.5	10225.5	10656.1	11710.0	11927.5	13190.2	12041.4	9808.0	10425.5
65°	10101.4	10156.9	10759.7	12232.6	13518.7	13733.2	14525.9	12493.9	9609.5	9584.7
67.5°	9202.2	9292.7	10301.4	14115.7	16245.4	16484.8	16140.3	12583.0	8752.6	7453.4
70°	8022.7	8054.8	9267.9	15809.0	19402.9	19645.2	17585.5	11603.5	6641.8	4157.3
72.5°	6265.2	6272.5	7695.7	16201.7	21116.6	21129.7	16451.3	8613.9	3572.0	1597.0
75°	4475.6	4431.8	5154.3	13139.1	18578.1	18727.0	12333.3	4040.6	1364.9	754.7
77.5°	2399.8	2448.0	2916.6	7792.1	12834.0	13088.0	6729.4	1164.9	694.8	513.8
80°	741.5	782.4	1195.5	3567.6	7269.5	7422.8	2494.7	518.2	484.6	366.4
82.5°	233.6	242.3	557.6	1499.2	3017.3	3087.4	722.6	293.4	331.4	242.3
85°	67.1	68.6	248.2	559.1	745.9	760.5	202.9	113.9	189.8	150.4
87.5°	7.3	23.4	93.4	93.4	65.7	64.2	21.9	24.8	54.0	19.0
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°
2887.4	0°	2887.4	2887.4	2887.4	2887.4	2887.4	2887.4	2887.4	2887.4	2887.4	2887.4
2900.5	2.5°	2893.2	2894.7	2875.7	2843.6	2808.5	2779.3	2742.9	2713.7	2693.2	2687.4
2926.8	5°	2913.6	2903.4	2849.4	2751.6	2634.8	2534.1	2421.7	2332.7	2274.3	2249.5
2954.5	7.5°	2944.3	2915.1	2796.9	2604.2	2380.8	2182.3	1980.9	1824.7	1725.4	1675.8
2980.8	10°	2970.6	2912.2	2709.3	2391.1	2049.5	1748.8	1477.3	1289.0	1183.8	1134.2
3011.4	12.5°	2995.4	2910.7	2595.4	2138.5	1675.8	1307.9	1055.4	962.0	932.8	922.6
3061.1	15°	3042.1	2915.1	2452.4	1849.5	1303.5	988.2	896.3	894.8	900.7	897.7
3137.0	17.5°	3106.3	2919.5	2290.3	1542.9	1005.8	871.5	867.1	880.2	889.0	884.6
3231.9	20°	3189.5	2937.0	2118.1	1239.3	864.2	842.3	852.5	864.2	871.5	864.2
3358.9	22.5°	3306.3	2967.7	1929.8	995.5	818.9	824.8	833.5	846.6	853.9	843.7
3520.9	25°	3449.4	3015.8	1744.4	865.6	797.0	804.3	817.5	832.1	840.8	830.6
3725.3	27.5°	3634.8	3093.2	1573.6	836.4	775.1	779.5	798.5	820.4	832.1	818.9
4015.7	30°	3903.3	3220.2	1426.2	849.6	762.0	751.8	778.0	808.7	821.8	810.2
4411.3	32.5°	4259.5	3399.7	1335.7	870.0	756.1	719.7	744.5	783.9	805.8	798.5
4928.1	35°	4726.6	3672.7	1300.6	893.4	751.8	686.1	703.6	745.9	783.9	791.2
5579.1	37.5°	5293.0	4052.2	1310.8	903.6	738.6	658.3	667.1	703.6	753.2	776.6
6311.9	40°	5936.8	4494.5	1369.2	893.4	724.0	635.0	636.4	664.2	708.0	743.0
7100.2	42.5°	6600.9	5011.3	1477.3	855.4	710.9	614.6	610.2	629.1	658.3	683.2
7887.0	45°	7233.0	5542.6	1583.8	802.9	694.8	594.1	583.9	591.2	597.0	607.3
8653.3	47.5°	7784.8	5916.3	1553.2	754.7	672.9	570.8	553.2	550.3	532.8	531.3
9338.0	50°	8165.8	5998.1	1379.5	706.5	640.8	544.5	516.7	499.2	468.6	454.0
9850.3	52.5°	8286.9	5675.5	1126.9	658.3	588.3	509.4	470.0	442.3	404.3	391.2
10145.2	55°	8126.4	5043.4	900.7	600.0	515.3	462.7	418.9	382.5	351.8	335.7
10177.3	57.5°	7733.7	4239.1	712.4	531.3	437.9	410.2	366.4	329.9	303.6	287.6
9821.1	60°	7082.7	3366.2	563.5	449.6	373.7	353.3	308.0	284.6	261.3	242.3
8901.5	62.5°	6094.4	2402.7	442.3	356.2	312.4	289.0	262.8	245.2	217.5	191.2
7247.6	65°	4755.8	1470.0	341.6	261.3	251.1	239.4	223.3	207.3	173.7	147.4
4728.1	67.5°	2999.8	696.3	243.8	197.1	198.5	192.7	185.4	172.2	147.4	124.1
2118.1	70°	1321.1	337.2	160.6	150.4	147.4	147.4	153.3	148.9	125.5	103.6
735.7	72.5°	449.6	181.0	119.7	113.9	106.6	105.1	128.5	124.1	100.7	80.3
366.4	75°	235.0	121.2	87.6	81.7	64.2	77.4	102.2	96.3	71.5	52.6
242.3	77.5°	153.3	86.1	59.8	52.6	36.5	51.1	75.9	67.1	42.3	26.3
159.1	80°	96.3	56.9	35.0	24.8	17.5	27.7	40.9	29.2	16.1	5.8
93.4	82.5°	51.1	29.2	13.1	8.8	7.3	8.8	10.2	7.3	2.9	0.0
48.2	85°	20.4	10.2	4.4	2.9	1.5	0.0	2.9	1.5	0.0	0.0
8.8	87.5°	7.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
2887.4
2697.6
2258.2
1683.1
1135.7
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