

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: P477767

Luminaire Tested: **IFLD-S-SA3B-740-U-T3R**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P477767
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-740-U-T3R
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R distribution lens
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

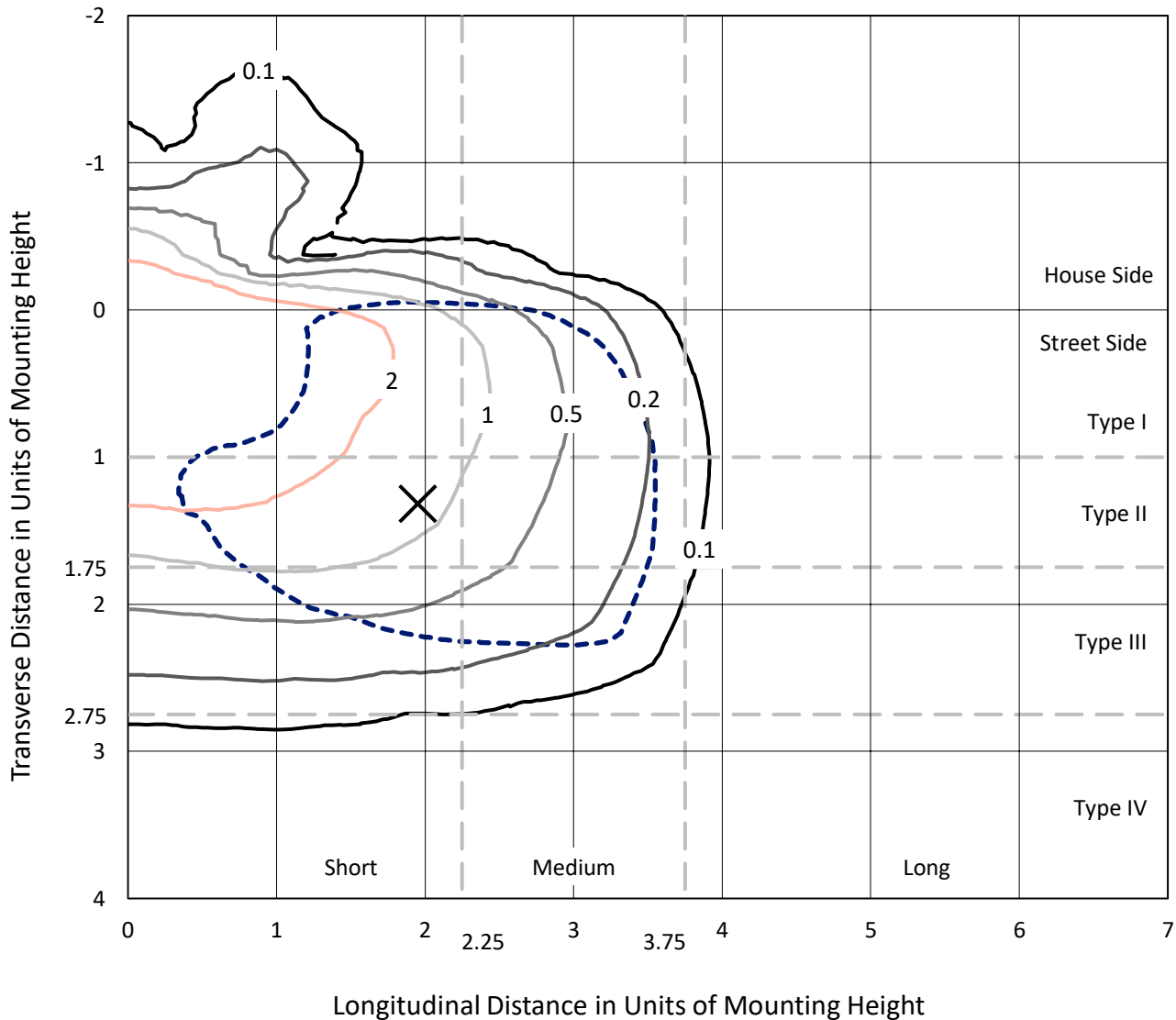
Lumens per Lamp: N/A
Luminaire Lumens: 16714.6 lumens
Efficiency: N/A
Efficacy: 136.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 122.4
Input Voltage (V): 120
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

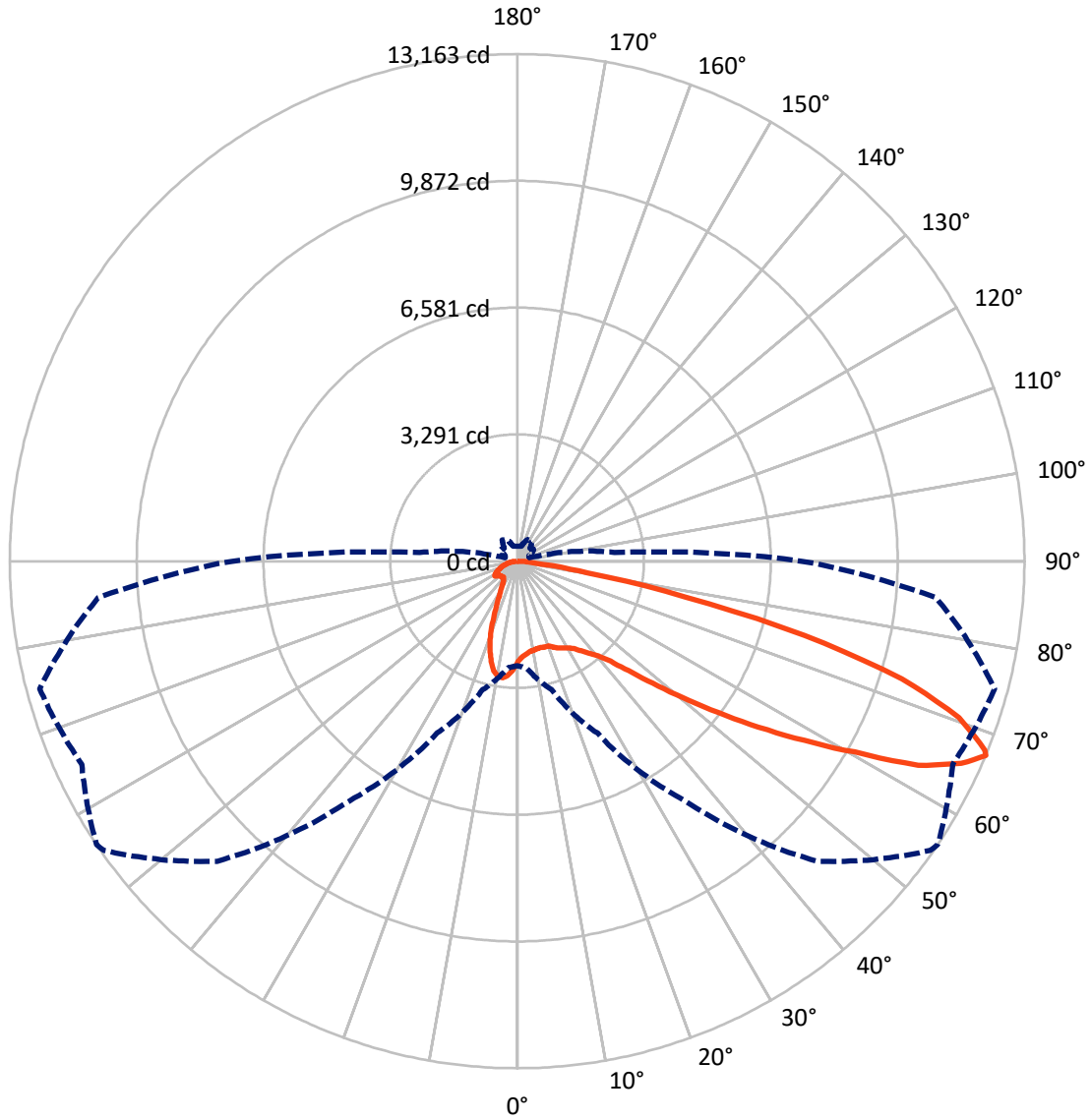
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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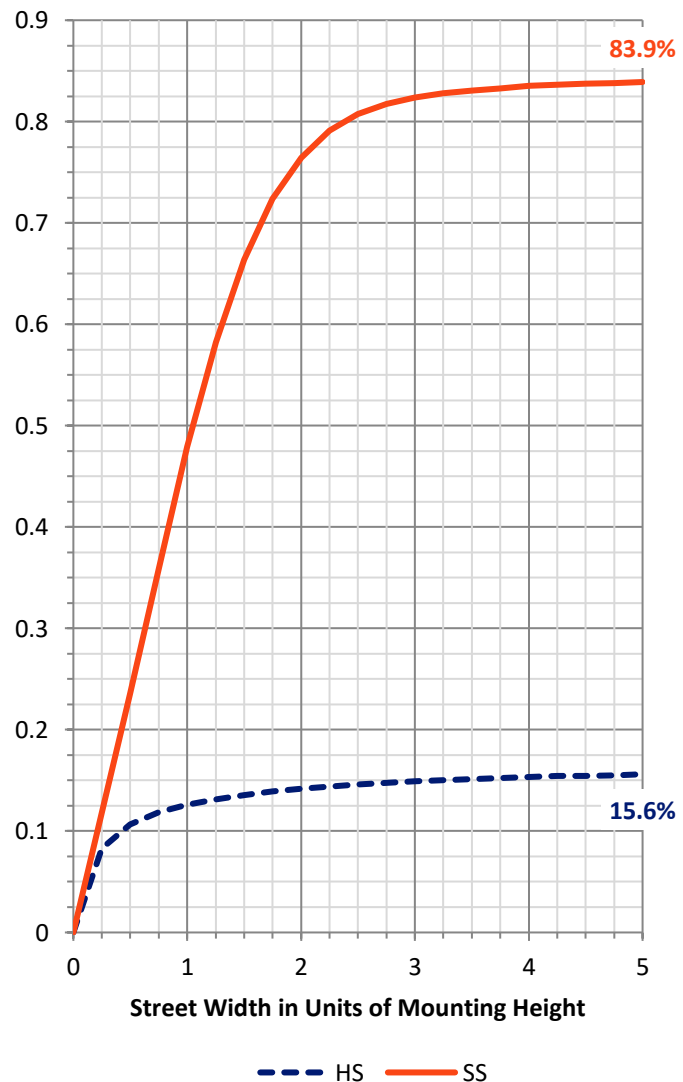
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2646.1	0.0	2646.1
	% Fixture	15.8	0.0	15.8
Street Side	Lumens	14068.5	0.0	14068.5
	% Fixture	84.2	0.0	84.2
Total	Lumens	16714.6	0.0	16714.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.6	1.5
10°-20°	683.5	4.1
20°-30°	1072.0	6.4
30°-40°	1530.3	9.2
40°-50°	2309.6	13.8
50°-60°	3676.5	22.0
60°-70°	4700.1	28.1
70°-80°	2291.6	13.7
80°-90°	200.5	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°	16714.6	100.0
0°-180°	16714.6	100.0

Coefficient of Utilization

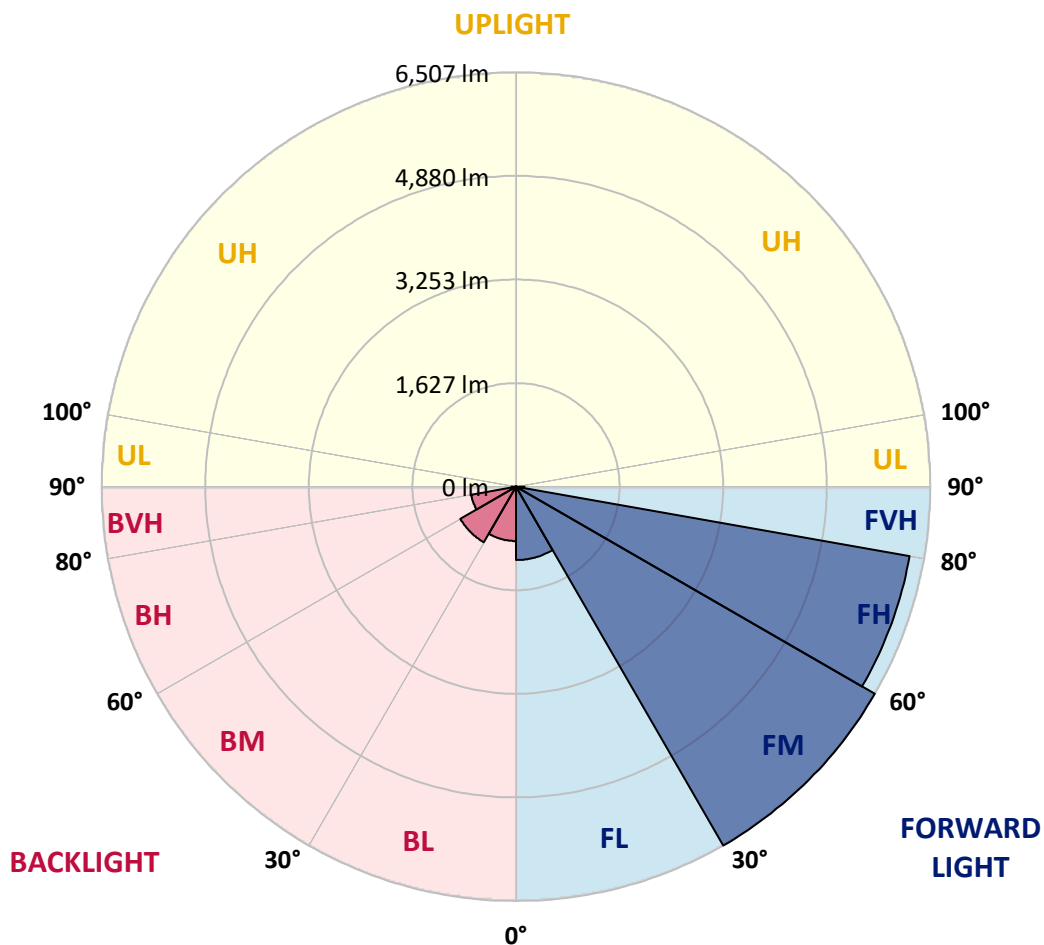


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1151.8	6.9			
FM (30°-60°)	6506.9	38.9			
FH (60°-80°)	6276.7	37.6			G3/7500
FVH (80°-90°)	133.1	0.8			G2/225
BL (0°-30°)	854.2	5.1	B2/1000		
BM (30°-60°)	1009.5	6.0	B2/2500		
BH (60°-80°)	715.0	4.3	B2/1000		G2/1000
BVH (80°-90°)	67.3	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°
0°	2600.8	2600.8	2600.8	2600.8	2600.8	2600.8	2600.8	2600.8	2600.8	2600.8
2.5°	2389.1	2379.3	2391.0	2379.3	2432.2	2463.6	2473.4	2487.1	2536.1	2583.1
5°	2289.1	2246.0	2293.1	2308.7	2312.7	2365.6	2420.4	2430.2	2455.7	2532.2
7.5°	2122.5	2171.5	2153.9	2200.9	2249.9	2302.9	2393.0	2367.5	2461.6	2534.1
10°	2087.3	2091.2	2110.8	2128.4	2171.5	2240.1	2365.6	2349.9	2445.9	2600.8
12.5°	2122.5	2122.5	2116.7	2102.9	2151.9	2218.6	2318.5	2326.4	2477.3	2620.4
15°	2246.0	2269.5	2206.8	2216.6	2197.0	2218.6	2306.8	2324.4	2489.0	2636.0
17.5°	2547.8	2540.0	2465.5	2361.6	2275.4	2261.7	2322.5	2342.0	2477.3	2681.1
20°	2841.8	2826.1	2696.8	2589.0	2418.5	2338.1	2347.9	2349.9	2496.9	2710.5
22.5°	3169.1	3210.3	3069.2	2849.7	2638.0	2438.1	2398.9	2430.2	2542.0	2726.2
25°	3682.6	3594.4	3472.9	3184.8	2843.8	2592.9	2483.2	2498.8	2585.1	2765.4
27.5°	4053.0	4017.7	3827.6	3594.4	3131.9	2714.4	2528.2	2557.6	2663.5	2763.4
30°	4409.7	4409.7	4294.1	3945.2	3435.7	2918.3	2624.3	2610.6	2626.2	2759.5
32.5°	4827.2	4770.3	4603.7	4372.5	3817.8	3104.4	2700.7	2704.6	2704.6	2832.0
35°	5046.7	5138.8	5027.1	4650.8	4109.9	3414.1	2884.9	2855.5	2834.0	2912.4
37.5°	5368.1	5423.0	5305.4	5083.9	4472.4	3665.0	3047.6	3024.1	2898.7	2975.1
40°	5562.1	5552.3	5548.4	5446.5	4952.6	3960.9	3286.7	3226.0	3057.4	3196.6
42.5°	5671.9	5652.3	5893.3	5830.6	5405.3	4396.0	3586.6	3553.3	3367.1	3590.5
45°	5795.3	5940.4	6138.3	6314.7	5932.5	5007.5	4094.2	4047.1	3880.5	4164.7
47.5°	5903.1	6081.5	6334.3	6522.5	6408.8	5671.9	4721.3	4733.1	4623.3	4915.4
50°	6083.4	6101.1	6444.1	6824.3	6912.5	6285.3	5564.1	5544.5	5495.5	5905.1
52.5°	6028.6	6081.5	6514.6	7000.7	7145.7	6934.0	6469.5	6528.3	6463.7	6979.1
55°	5134.9	5293.6	6471.5	7186.9	7698.4	7667.0	7633.7	7594.5	7590.6	8186.4
57.5°	4729.2	4858.5	5701.3	7392.6	8290.3	8521.5	8737.1	8780.2	8778.3	9497.5
60°	4462.6	4595.9	5389.7	7280.9	8794.0	9640.6	10054.2	10060.0	10048.3	10898.9
62.5°	3941.3	4070.7	4850.7	6669.4	8933.1	10673.5	11594.6	11671.0	11132.1	12106.1
65°	3314.1	3420.0	4107.9	5734.6	8562.7	11330.0	12752.9	12662.7	12045.4	12796.0
67°	2710.5	2781.1	3451.3	4923.2	7594.5	11014.5	13088.0	13162.5	12466.8	12825.4
67.5°	2538.0	2602.7	3235.8	4646.9	7226.1	10775.4	13099.8	13088.0	12474.6	12831.3
70°	1761.9	1789.4	2204.9	3196.6	5323.0	9103.6	12143.4	12170.8	11951.3	12135.5
72.5°	1168.1	1209.2	1473.8	2014.8	3137.8	6624.4	10150.2	10444.2	10305.0	9950.3
75°	752.6	776.1	964.3	1199.4	1544.4	3772.8	7498.5	7694.5	7375.0	6154.0
77.5°	421.4	446.9	582.1	729.1	752.6	1569.9	4211.8	4454.8	3774.7	2614.5
80°	262.6	295.9	439.0	433.1	358.7	576.2	1736.4	1859.9	1509.1	899.6
82.5°	197.9	223.4	339.1	303.8	201.9	256.7	650.7	697.7	552.7	346.9
85°	135.2	170.5	245.0	188.1	105.8	123.5	258.7	278.3	252.8	168.5
87.5°	49.0	72.5	127.4	94.1	47.0	37.2	84.3	94.1	90.2	76.4
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°
2600.8	0°	2600.8	2600.8	2600.8	2600.8	2600.8	2600.8	2600.8	2600.8	2600.8	2600.8
2624.3	2.5°	2661.5	2688.9	2702.7	2783.0	2816.3	2810.5	2818.3	2830.1	2841.8	2857.5
2657.6	5°	2683.1	2767.3	2812.4	2906.5	2969.2	2941.8	2977.0	2967.2	2953.5	2951.6
2718.3	7.5°	2753.6	2861.4	2996.6	3022.1	3049.6	2981.0	2922.2	2841.8	2822.2	2753.6
2769.3	10°	2879.1	2967.2	3131.9	3141.7	3020.2	2843.8	2712.5	2545.9	2543.9	2444.0
2847.7	12.5°	2998.6	3098.6	3231.8	3175.0	2884.9	2643.9	2430.2	2248.0	2171.5	2120.6
2894.7	15°	3073.1	3237.7	3308.3	3063.3	2647.8	2322.5	2046.1	1850.1	1771.7	1734.5
2953.5	17.5°	3141.7	3371.0	3339.6	2867.3	2355.8	1991.2	1662.0	1491.5	1469.9	1442.5
3047.6	20°	3235.8	3420.0	3227.9	2612.5	2024.5	1564.0	1354.3	1272.0	1291.6	1303.3
3057.4	22.5°	3323.9	3445.5	3086.8	2334.2	1599.3	1238.6	1134.8	1152.4	1181.8	1221.0
3080.9	25°	3363.1	3486.6	2896.7	1950.1	1217.1	1042.7	1019.1	1048.5	1097.5	1099.5
3114.2	27.5°	3388.6	3457.2	2667.4	1575.7	962.3	911.3	946.6	968.2	974.1	997.6
3184.8	30°	3433.7	3396.5	2377.3	1126.9	807.5	809.4	854.5	854.5	854.5	872.1
3255.3	32.5°	3512.1	3355.3	2038.3	823.1	695.8	758.5	746.7	742.8	735.0	713.4
3345.5	35°	3561.1	3243.6	1609.1	609.5	625.2	695.8	691.8	631.1	529.2	478.2
3574.8	37.5°	3663.0	3186.8	1183.8	470.4	584.0	664.4	642.8	495.8	384.1	335.1
3859.0	40°	3882.5	3149.5	819.2	411.6	556.6	648.7	574.2	423.3	294.0	207.7
4298.0	42.5°	4151.0	3151.5	556.6	388.1	558.6	682.0	552.7	362.6	207.7	166.6
4884.0	45°	4511.6	3122.1	382.2	388.1	593.8	736.9	566.4	329.3	201.9	211.7
5619.0	47.5°	4899.7	3147.6	284.2	352.8	599.7	738.9	517.4	323.4	194.0	245.0
6418.6	50°	5352.4	3173.0	235.2	325.3	601.7	715.4	476.2	315.5	201.9	258.7
7335.8	52.5°	5818.9	3253.4	199.9	307.7	625.2	705.6	476.2	327.3	201.9	225.4
8503.9	55°	6514.6	3459.2	288.1	384.1	711.4	770.2	586.0	458.6	282.2	290.1
9623.0	57.5°	7282.9	3670.8	321.4	403.7	731.0	693.8	631.1	505.6	297.9	299.9
10493.2	60°	7788.5	3678.7	319.5	393.9	684.0	599.7	617.4	533.1	303.8	256.7
11032.1	62.5°	7990.4	3439.6	333.2	393.9	637.0	560.5	633.0	574.2	313.6	321.4
11185.0	65°	7761.1	2945.7	321.4	352.8	560.5	501.7	637.0	582.1	343.0	323.4
10910.6	67°	7402.4	2538.0	327.3	335.1	521.3	476.2	670.3	611.5	397.9	388.1
10767.5	67.5°	7300.5	2430.2	325.3	325.3	507.6	468.4	678.1	611.5	405.7	401.8
9503.4	70°	6434.3	1969.7	333.2	321.4	448.8	444.9	721.2	644.8	466.4	470.4
6981.1	72.5°	4897.7	1493.4	331.2	321.4	390.0	425.3	727.1	666.4	507.6	470.4
3909.9	75°	2783.0	893.7	292.0	280.3	307.7	370.4	680.1	635.0	493.9	421.4
1562.0	77.5°	1150.4	460.6	268.5	252.8	254.8	301.8	566.4	591.9	470.4	358.7
521.3	80°	429.2	276.3	215.6	201.9	196.0	221.5	403.7	472.3	401.8	294.0
229.3	82.5°	223.4	172.5	147.0	147.0	133.3	141.1	217.5	313.6	303.8	201.9
92.1	85°	113.7	98.0	84.3	82.3	74.5	66.6	109.8	186.2	174.4	111.7
41.2	87.5°	60.8	54.9	35.3	33.3	27.4	17.6	19.6	37.2	60.8	49.0
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°
2600.8
2873.2
2969.2
2777.1
2440.0
2108.8
1726.6
1456.2
1289.6
1199.4
1119.1
1019.1
891.7
701.6
501.7
333.2
201.9
162.7
215.6
272.4
299.9
231.3
305.7
290.1
264.6
325.3
317.5
382.2
393.9
435.1
417.5
376.3
339.1
268.5
158.7
92.1
35.3
0.0

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