

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: P477625

Luminaire Tested: **IFLD-S-SA6A-722-U-T3R**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P477625
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-722-U-T3R
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R distribution lens
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

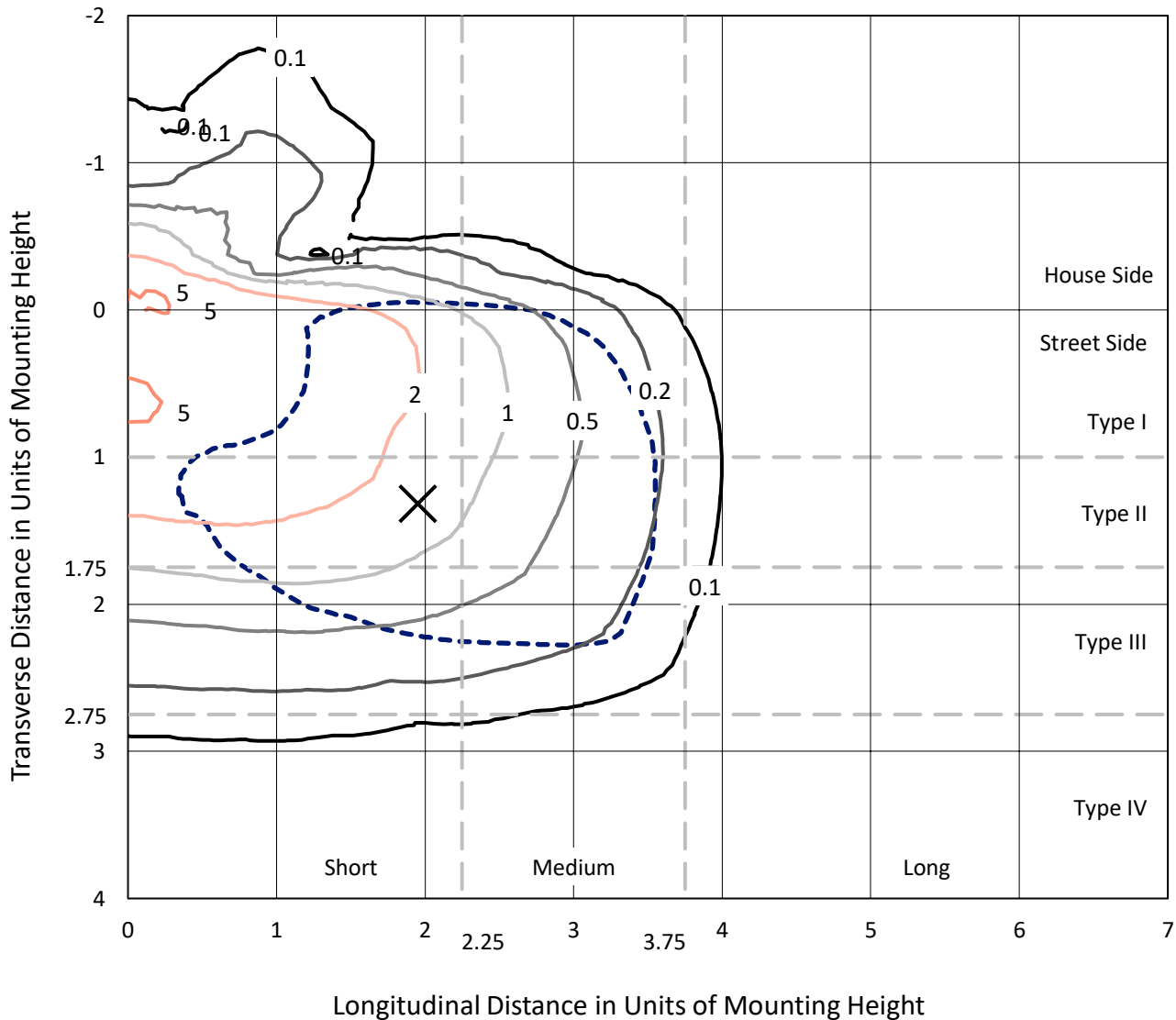
Lumens per Lamp: N/A
Luminaire Lumens: 19528.8 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 189.6
Input Voltage (V): 120
Input Current (A_{in}): 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

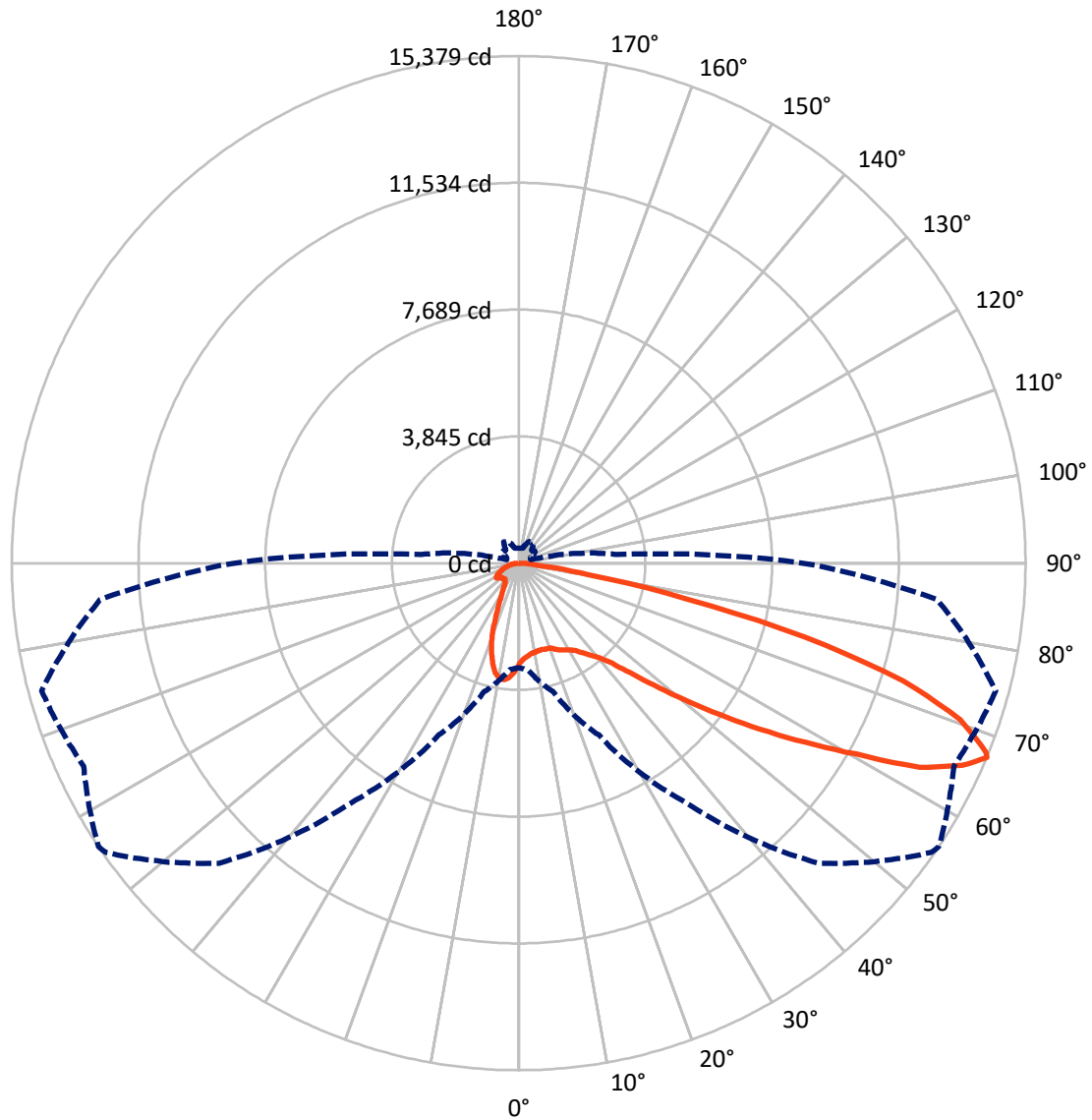
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type 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	3091.6	0.0	3091.6
	% Fixture	15.8	0.0	15.8
Street Side	Lumens	16437.2	0.0	16437.2
	% Fixture	84.2	0.0	84.2
Total	Lumens	19528.8	0.0	19528.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.7	1.5
10°-20°	798.6	4.1
20°-30°	1252.5	6.4
30°-40°	1787.9	9.2
40°-50°	2698.5	13.8
50°-60°	4295.5	22.0
60°-70°	5491.5	28.1
70°-80°	2677.5	13.7
80°-90°	234.2	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°	19528.8	100.0
0°-180°	19528.8	100.0

Coefficient of Utilization

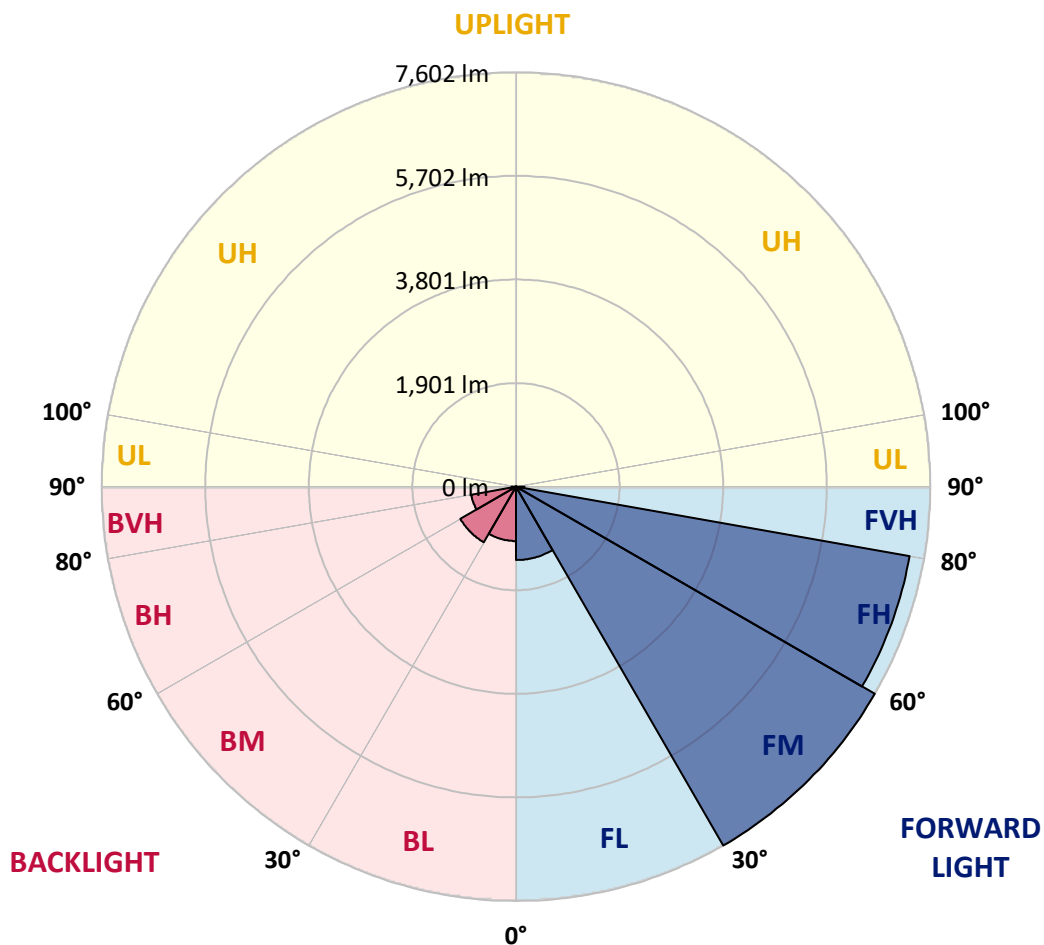


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1345.8	6.9			
FM (30°-60°)	7602.4	38.9			
FH (60°-80°)	7333.5	37.6			G3/7500
FVH (80°-90°)	155.5	0.8			G2/225
BL (0°-30°)	998.1	5.1	B2/1000		
BM (30°-60°)	1179.5	6.0	B2/2500		
BH (60°-80°)	835.4	4.3	B2/1000		G2/1000
BVH (80°-90°)	78.7	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°	3038.6	3038.6	3038.6	3038.6	3038.6	3038.6	3038.6	3038.6	3038.6	3038.6
2.5°	2791.3	2779.9	2793.6	2779.9	2841.7	2878.3	2889.8	2905.8	2963.1	3018.0
5°	2674.5	2624.2	2679.1	2697.4	2702.0	2763.9	2828.0	2839.4	2869.2	2958.5
7.5°	2479.9	2537.2	2516.5	2571.5	2628.8	2690.6	2795.9	2766.1	2876.1	2960.8
10°	2438.7	2443.3	2466.2	2486.8	2537.2	2617.3	2763.9	2745.5	2857.7	3038.6
12.5°	2479.9	2479.9	2473.0	2457.0	2514.3	2592.1	2708.9	2718.1	2894.4	3061.5
15°	2624.2	2651.7	2578.4	2589.8	2566.9	2592.1	2695.2	2715.8	2908.1	3079.9
17.5°	2976.8	2967.7	2880.6	2759.3	2658.5	2642.5	2713.5	2736.4	2894.4	3132.5
20°	3320.3	3302.0	3150.8	3024.9	2825.7	2731.8	2743.2	2745.5	2917.3	3166.9
22.5°	3702.7	3750.8	3585.9	3329.4	3082.1	2848.6	2802.8	2839.4	2969.9	3185.2
25°	4302.6	4199.6	4057.6	3721.0	3322.6	3029.5	2901.2	2919.6	3020.3	3231.0
27.5°	4735.4	4694.2	4472.1	4199.6	3659.2	3171.4	2953.9	2988.3	3111.9	3228.7
30°	5152.2	5152.2	5017.1	4609.5	4014.1	3409.6	3066.1	3050.1	3068.4	3224.1
32.5°	5639.9	5573.5	5378.9	5108.7	4460.6	3627.1	3155.4	3160.0	3160.0	3308.8
35°	5896.4	6004.0	5873.5	5433.8	4801.8	3988.9	3370.7	3336.3	3311.1	3402.7
37.5°	6271.9	6336.0	6198.6	5939.9	5225.4	4282.0	3560.7	3533.2	3386.7	3476.0
40°	6498.6	6487.2	6482.6	6363.5	5786.5	4627.8	3840.1	3769.1	3572.2	3734.8
42.5°	6626.8	6603.9	6885.6	6812.3	6315.4	5136.1	4190.4	4151.5	3934.0	4195.0
45°	6771.1	6940.5	7171.8	7377.9	6931.4	5850.6	4783.5	4728.5	4533.9	4865.9
47.5°	6897.0	7105.4	7400.8	7620.6	7487.8	6626.8	5516.3	5530.0	5401.8	5743.0
50°	7107.7	7128.3	7529.0	7973.3	8076.3	7343.6	6500.9	6478.0	6420.7	6899.3
52.5°	7043.6	7105.4	7611.5	8179.4	8348.8	8101.5	7558.8	7627.5	7551.9	8154.2
55°	5999.4	6184.9	7561.1	8396.9	8994.5	8957.9	8919.0	8873.2	8868.6	9564.7
57.5°	5525.4	5676.5	6661.2	8637.3	9686.1	9956.3	10208.2	10258.5	10256.3	11096.6
60°	5214.0	5369.7	6297.1	8506.8	10274.6	11263.8	11746.9	11753.8	11740.1	12733.9
62.5°	4604.9	4756.0	5667.4	7792.4	10437.2	12470.5	13546.8	13636.1	13006.4	14144.4
65°	3872.1	3995.8	4799.5	6700.1	10004.4	13237.6	14900.1	14794.7	14073.4	14950.5
67°	3166.9	3249.3	4032.4	5752.1	8873.2	12869.0	15291.6	15378.7	14565.8	14984.8
67.5°	2965.4	3040.9	3780.5	5429.2	8442.7	12589.6	15305.4	15291.6	14574.9	14991.7
70°	2058.6	2090.6	2576.1	3734.8	6219.2	10636.4	14187.9	14220.0	13963.5	14178.8
72.5°	1364.8	1412.8	1722.0	2354.0	3666.1	7739.7	11859.2	12202.6	12040.0	11625.6
75°	879.3	906.8	1126.6	1401.4	1804.4	4408.0	8761.0	8990.0	8616.7	7190.1
77.5°	492.3	522.1	680.1	851.8	879.3	1834.2	4920.9	5204.8	4410.3	3054.7
80°	306.8	345.8	512.9	506.1	419.0	673.2	2028.8	2173.1	1763.2	1051.0
82.5°	231.3	261.0	396.1	354.9	235.9	300.0	760.2	815.2	645.7	405.3
85°	158.0	199.2	286.2	219.8	123.7	144.3	302.3	325.2	295.4	196.9
87.5°	57.2	84.7	148.8	109.9	55.0	43.5	98.5	109.9	105.3	89.3
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°
3038.6	0°	3038.6	3038.6	3038.6	3038.6	3038.6	3038.6	3038.6	3038.6	3038.6	3038.6
3066.1	2.5°	3109.6	3141.7	3157.7	3251.6	3290.5	3283.6	3292.8	3306.5	3320.3	3338.6
3105.0	5°	3134.8	3233.3	3285.9	3395.9	3469.1	3437.1	3478.3	3466.8	3450.8	3448.5
3176.0	7.5°	3217.2	3343.2	3501.2	3531.0	3563.0	3482.9	3414.2	3320.3	3297.4	3217.2
3235.6	10°	3363.8	3466.8	3659.2	3670.6	3528.7	3322.6	3169.2	2974.5	2972.2	2855.4
3327.2	12.5°	3503.5	3620.3	3776.0	3709.6	3370.7	3089.0	2839.4	2626.5	2537.2	2477.6
3382.1	15°	3590.5	3782.8	3865.3	3579.0	3093.6	2713.5	2390.6	2161.6	2070.0	2026.5
3450.8	17.5°	3670.6	3938.5	3901.9	3350.1	2752.4	2326.5	1941.8	1742.6	1717.4	1685.3
3560.7	20°	3780.5	3995.8	3771.4	3052.4	2365.4	1827.3	1582.3	1486.1	1509.0	1522.8
3572.2	22.5°	3883.6	4025.6	3606.5	2727.2	1868.5	1447.2	1325.8	1346.4	1380.8	1426.6
3599.6	25°	3929.4	4073.6	3384.4	2278.4	1422.0	1218.2	1190.7	1225.1	1282.3	1284.6
3638.6	27.5°	3959.2	4039.3	3116.5	1841.0	1124.3	1064.8	1106.0	1131.2	1138.1	1165.5
3721.0	30°	4011.8	3968.3	2777.6	1316.7	943.4	945.7	998.4	998.4	998.4	1019.0
3803.4	32.5°	4103.4	3920.2	2381.4	961.7	812.9	886.2	872.4	867.9	858.7	833.5
3908.8	35°	4160.7	3789.7	1880.0	712.1	730.5	812.9	808.3	737.3	618.3	558.7
4176.7	37.5°	4279.7	3723.3	1383.1	549.6	682.4	776.3	751.1	579.3	448.8	391.6
4508.7	40°	4536.2	3679.8	957.2	480.9	650.3	757.9	670.9	494.6	343.5	242.7
5021.6	42.5°	4849.9	3682.1	650.3	453.4	652.6	796.9	645.7	423.6	242.7	194.6
5706.3	45°	5271.2	3647.7	446.5	453.4	693.8	861.0	661.8	384.7	235.9	247.3
6565.0	47.5°	5724.6	3677.5	332.0	412.2	700.7	863.3	604.5	377.8	226.7	286.2
7499.3	50°	6253.6	3707.3	274.8	380.1	703.0	835.8	556.4	368.7	235.9	302.3
8570.9	52.5°	6798.6	3801.2	233.6	359.5	730.5	824.3	556.4	382.4	235.9	263.3
9935.7	55°	7611.5	4041.6	336.6	448.8	831.2	899.9	684.7	535.8	329.7	338.9
11243.2	57.5°	8509.1	4288.9	375.5	471.7	854.1	810.6	737.3	590.8	348.1	350.3
12259.9	60°	9099.9	4298.1	373.2	460.3	799.2	700.7	721.3	622.8	354.9	300.0
12889.6	62.5°	9335.7	4018.7	389.3	460.3	744.2	654.9	739.6	670.9	366.4	375.5
13068.2	65°	9067.8	3441.6	375.5	412.2	654.9	586.2	744.2	680.1	400.7	377.8
12747.6	67°	8648.8	2965.4	382.4	391.6	609.1	556.4	783.1	714.4	464.8	453.4
12580.5	67.5°	8529.7	2839.4	380.1	380.1	593.1	547.3	792.3	714.4	474.0	469.4
11103.5	70°	7517.6	2301.3	389.3	375.5	524.4	519.8	842.7	753.4	545.0	549.6
8156.5	72.5°	5722.3	1744.9	387.0	375.5	455.7	496.9	849.5	778.6	593.1	549.6
4568.3	75°	3251.6	1044.2	341.2	327.4	359.5	432.8	794.6	741.9	577.0	492.3
1825.0	77.5°	1344.1	538.1	313.7	295.4	297.7	352.6	661.8	691.5	549.6	419.0
609.1	80°	501.5	322.9	251.9	235.9	229.0	258.8	471.7	551.9	469.4	343.5
267.9	82.5°	261.0	201.5	171.7	171.7	155.7	164.9	254.2	366.4	354.9	235.9
107.6	85°	132.8	114.5	98.5	96.2	87.0	77.9	128.2	217.5	203.8	130.5
48.1	87.5°	71.0	64.1	41.2	38.9	32.1	20.6	22.9	43.5	71.0	57.2
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



<u>180°</u>
3038.6
3356.9
3469.1
3244.7
2850.9
2463.9
2017.4
1701.4
1506.7
1401.4
1307.5
1190.7
1041.9
819.8
586.2
389.3
235.9
190.1
251.9
318.3
350.3
270.2
357.2
338.9
309.1
380.1
371.0
446.5
460.3
508.3
487.7
439.7
396.1
313.7
185.5
107.6
41.2
0.0

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