

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: P477237

Luminaire Tested: **IFLD-S-SA6C-722-U-T3**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P477237
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-722-U-T3
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3
distribution lens
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

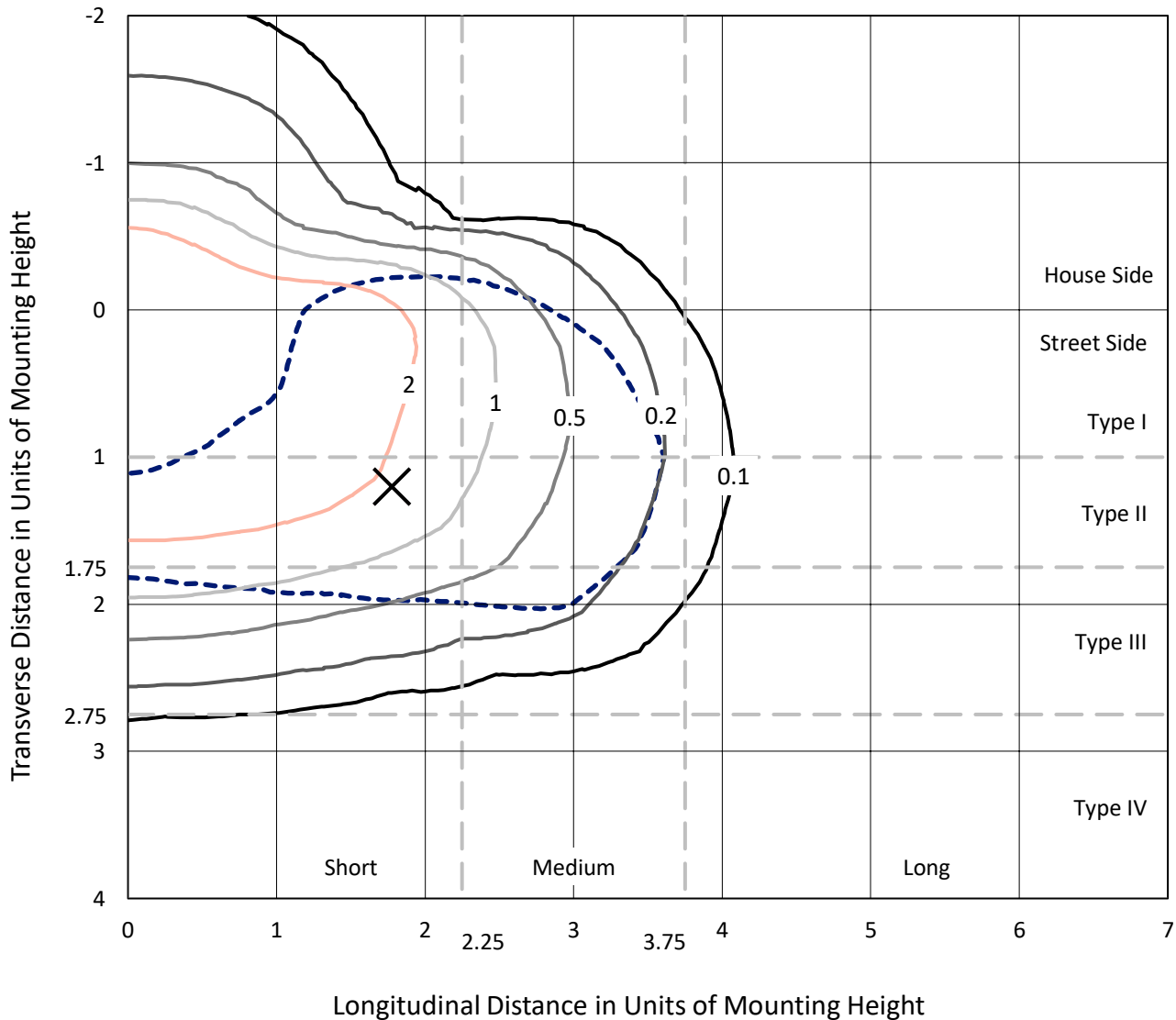
Lumens per Lamp: N/A
Luminaire Lumens: 31173.9 lumens
Efficiency: N/A
Efficacy: 97.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 321.5
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

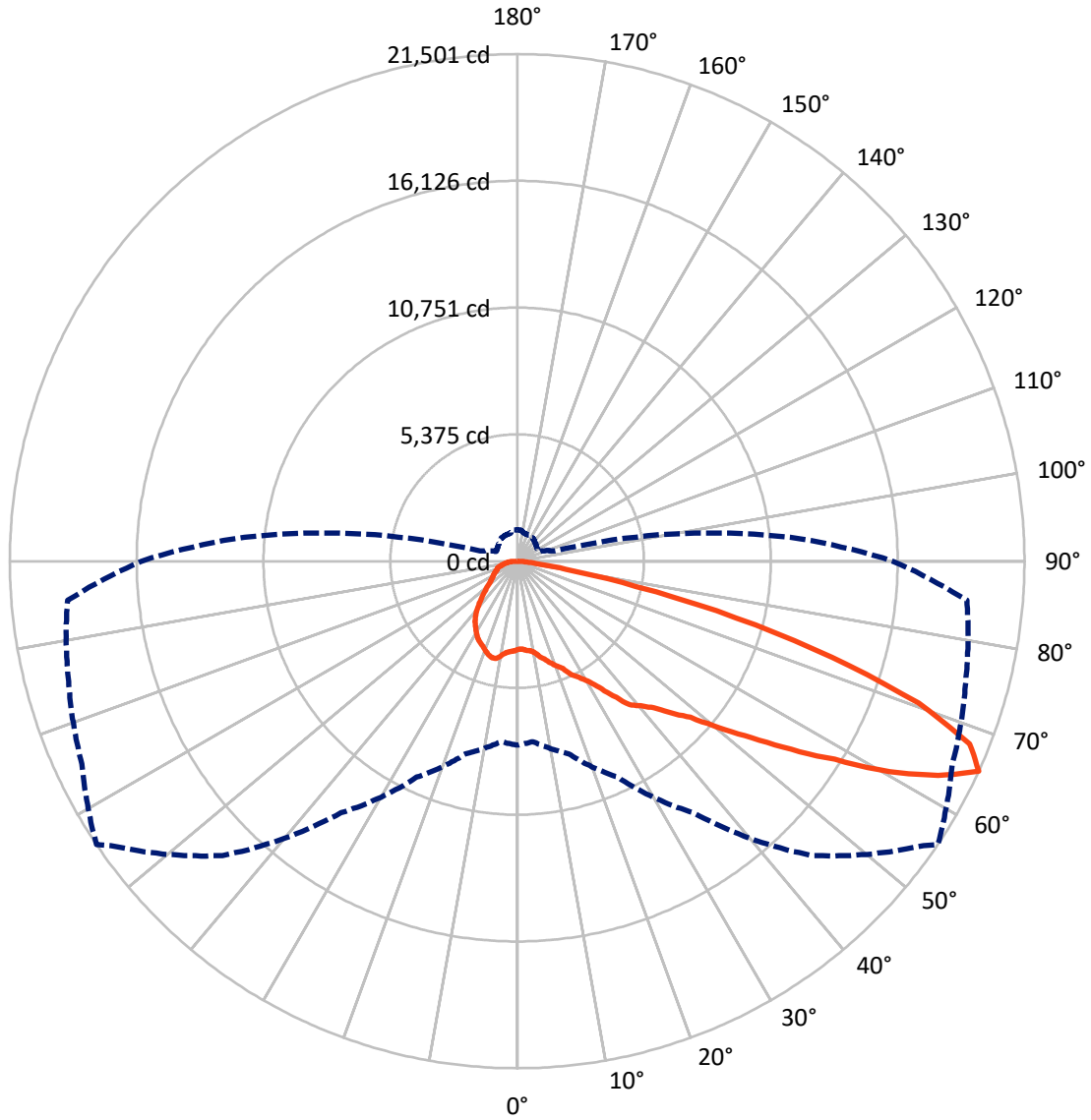
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6991.3	0.0	6991.3
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	24182.6	0.0	24182.6
	% Fixture	77.6	0.0	77.6
Total	Lumens	31173.9	0.0	31173.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	370.8	1.2
10°-20°	1204.0	3.9
20°-30°	2143.8	6.9
30°-40°	3210.3	10.3
40°-50°	4756.5	15.3
50°-60°	7329.1	23.5
60°-70°	8297.5	26.6
70°-80°	3443.5	11.0
80°-90°	418.3	1.3
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°	31173.9	100.0
0°-180°	31173.9	100.0

Coefficient of Utilization

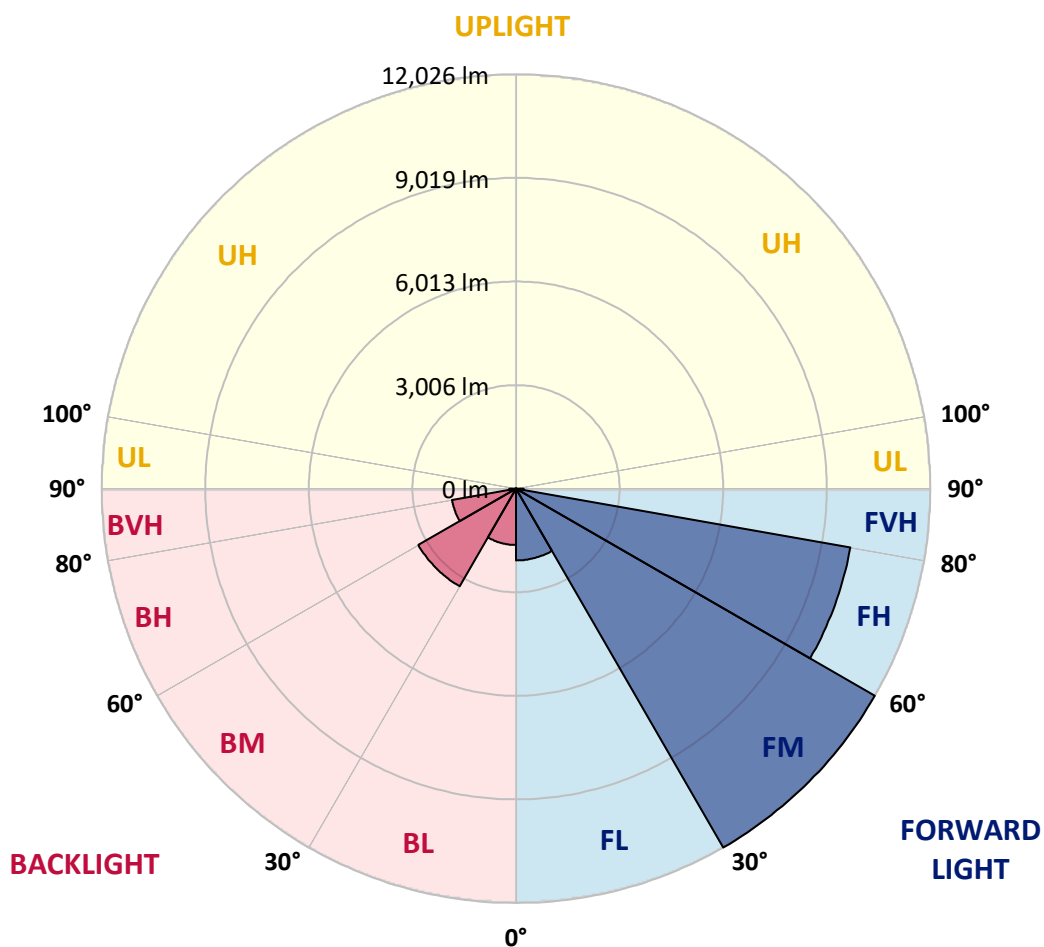


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2083.3	6.7			
FM (30°-60°)	12025.5	38.6			
FH (60°-80°)	9853.1	31.6			G4/12000
FVH (80°-90°)	220.7	0.7			G2/225
BL (0°-30°)	1635.3	5.2	B3/2500		
BM (30°-60°)	3270.4	10.5	B3/5000		
BH (60°-80°)	1887.9	6.1	B3/2500		G3/2500
BVH (80°-90°)	197.7	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°
0°	3741.8	3741.8	3741.8	3741.8	3741.8	3741.8	3741.8	3741.8	3741.8	3741.8
2.5°	3643.9	3663.5	3650.4	3689.6	3722.2	3722.2	3748.3	3728.7	3754.8	3790.7
5°	3764.6	3686.3	3728.7	3748.3	3738.5	3754.8	3728.7	3794.0	3751.5	3820.1
7.5°	3794.0	3823.3	3859.2	3826.6	3855.9	3839.6	3842.9	3833.1	3810.3	3865.7
10°	4009.3	3966.9	4048.4	3999.5	3993.0	3986.4	3973.4	3924.4	3979.9	3983.2
12.5°	4257.2	4218.0	4214.8	4175.6	4227.8	4133.2	4152.8	4126.7	4136.5	4149.5
15°	4436.6	4420.3	4495.3	4449.7	4381.2	4338.7	4384.4	4312.6	4348.5	4342.0
17.5°	4792.2	4788.9	4733.5	4658.4	4619.3	4557.3	4547.5	4518.2	4544.3	4531.2
20°	5040.1	5076.0	5085.8	4997.7	4847.7	4779.1	4762.8	4740.0	4769.4	4759.6
22.5°	5418.5	5363.1	5405.5	5252.2	5196.7	5033.6	4974.9	4942.3	5082.5	5046.6
25°	5659.9	5718.7	5676.3	5624.1	5500.1	5297.8	5255.4	5327.2	5382.7	5343.5
27.5°	6204.7	6146.0	6106.9	5950.3	5868.7	5656.7	5607.7	5581.6	5594.7	5617.5
30°	6619.0	6651.7	6563.6	6452.7	6247.1	6031.8	5917.7	5894.8	5849.2	5810.0
32.5°	7209.5	7160.6	7108.4	7036.6	6860.4	6576.6	6465.7	6380.9	6243.9	6061.2
35°	7493.3	7633.6	7594.4	7402.0	7268.2	7160.6	7127.9	6997.5	6883.3	6596.2
37.5°	7966.3	8025.0	7969.6	7907.6	7845.6	7731.4	7692.3	7728.2	7503.1	7030.1
40°	8273.0	8396.9	8511.1	8338.2	8325.2	8348.0	8106.6	8064.2	7601.0	7353.0
42.5°	8899.3	8951.5	8974.4	8967.8	9042.9	9042.9	8582.9	8491.5	8162.1	7959.8
45°	9727.9	9770.3	9851.9	9910.6	9825.8	9868.2	9212.5	9176.6	8883.0	8843.9
47.5°	10445.6	10546.7	10729.4	10902.3	11013.2	10869.7	10152.0	9897.6	9822.5	10057.4
50°	11072.0	10951.3	11378.6	11554.8	12040.8	12279.0	11189.4	11088.3	10967.6	11417.8
52.5°	11133.9	11297.1	11900.6	12252.9	13254.4	13694.8	12461.7	12419.3	12272.5	12791.1
55°	11577.6	11558.0	12164.8	12928.2	14118.9	14859.4	14118.9	14092.8	13773.1	14265.7
57.5°	11502.6	11701.6	12181.1	13247.9	14898.5	16108.8	16040.3	15860.9	15414.0	15815.2
60°	11248.1	11300.3	11884.2	13238.1	15352.0	17390.9	18115.1	18151.0	17237.5	17557.2
62.5°	9806.2	9926.9	10667.4	12197.4	15029.0	18274.9	20140.9	20013.7	19283.0	18917.6
65°	7800.0	7679.3	8449.1	10103.1	13019.5	17648.6	21028.2	21501.3	20353.0	19684.2
67.5°	4782.4	4753.0	5493.6	6951.8	9741.0	15019.2	20320.3	20689.0	20056.1	19521.1
70°	2463.0	2387.9	2851.2	3878.8	6123.2	11019.8	17684.5	18046.6	18650.1	17508.3
72.5°	1148.3	1132.0	1379.9	1908.4	3118.7	6478.8	13694.8	13955.8	15228.0	14761.5
75°	675.3	685.1	825.3	998.2	1520.2	3053.4	9088.5	9594.2	10974.1	10638.1
77.5°	505.6	505.6	587.2	694.9	887.3	1180.9	4485.5	5154.3	6416.8	5770.9
80°	371.9	378.4	450.2	522.0	616.6	610.0	1781.2	2087.8	2942.5	2515.2
82.5°	290.3	300.1	349.1	388.2	433.9	368.6	730.7	786.2	1210.3	962.4
85°	202.3	208.8	274.0	264.2	264.2	205.5	303.4	319.7	479.5	456.7
87.5°	48.9	55.5	133.8	146.8	110.9	62.0	94.6	107.7	172.9	199.0
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°
3741.8	0°	3741.8	3741.8	3741.8	3741.8	3741.8	3741.8	3741.8	3741.8	3741.8	3741.8
3807.0	2.5°	3758.1	3771.1	3826.6	3797.2	3813.5	3745.0	3800.5	3754.8	3794.0	3774.4
3836.4	5°	3862.5	3833.1	3865.7	3842.9	3842.9	3869.0	3908.1	3878.8	3937.5	3911.4
3859.2	7.5°	3904.9	3908.1	3927.7	3931.0	3914.7	3996.2	3999.5	3989.7	4045.1	4032.1
4015.8	10°	4009.3	4012.5	4048.4	4068.0	4051.7	4081.0	4048.4	4022.3	4019.0	4006.0
4139.8	12.5°	4175.6	4208.3	4201.7	4218.0	4221.3	4097.3	4022.3	3895.1	3878.8	3895.1
4322.4	15°	4329.0	4315.9	4322.4	4355.1	4218.0	4019.0	3885.3	3777.6	3784.2	3787.4
4560.6	17.5°	4511.6	4521.4	4531.2	4381.2	4130.0	3895.1	3777.6	3777.6	3745.0	3758.1
4726.9	20°	4720.4	4681.3	4596.5	4384.4	3976.6	3751.5	3715.7	3715.7	3676.5	3650.4
4906.4	22.5°	4883.5	4805.2	4678.0	4283.3	3839.6	3696.1	3608.0	3546.0	3500.4	3448.2
5105.4	25°	4987.9	4945.5	4697.6	4178.9	3738.5	3549.3	3418.8	3324.2	3265.5	3197.0
5262.0	27.5°	5147.8	5066.2	4753.0	4058.2	3627.6	3402.5	3200.2	3053.4	2942.5	2870.7
5500.1	30°	5363.1	5245.6	4713.9	3885.3	3457.9	3148.0	2909.9	2720.7	2593.5	2534.7
5725.2	32.5°	5539.2	5385.9	4681.3	3728.7	3268.7	2890.3	2573.9	2381.4	2309.6	2234.6
6103.6	35°	5875.2	5571.9	4658.4	3640.6	3099.1	2632.6	2299.9	2133.5	2042.1	1931.2
6328.7	37.5°	6133.0	5894.8	4603.0	3457.9	2880.5	2381.4	2091.1	1941.0	1804.0	1686.6
6850.7	40°	6537.5	6345.0	4606.2	3200.2	2622.8	2166.1	1928.0	1771.4	1598.5	1497.4
7623.8	42.5°	7297.6	6788.7	4625.8	2994.7	2332.5	1990.0	1781.2	1595.2	1422.3	1337.5
8504.6	45°	8230.6	7398.7	4505.1	2808.8	2035.6	1823.6	1605.0	1419.1	1308.1	1246.2
9701.8	47.5°	9303.8	7995.7	4342.0	2459.7	1787.7	1647.4	1441.9	1334.2	1252.7	1216.8
11244.9	50°	10504.3	8850.4	4296.3	2140.0	1595.2	1497.4	1363.6	1282.1	1226.6	1184.2
12983.6	52.5°	12050.6	9845.4	4205.0	1810.5	1428.9	1376.7	1334.2	1278.8	1229.9	1194.0
14604.9	55°	13528.4	10948.0	4107.1	1539.8	1311.4	1317.9	1340.8	1291.8	1249.4	1194.0
16422.0	57.5°	15192.1	12073.5	3745.0	1340.8	1223.3	1288.6	1334.2	1278.8	1236.4	1194.0
18281.5	60°	16219.7	12706.3	3037.1	1167.9	1145.0	1233.1	1295.1	1236.4	1190.7	1207.0
19136.2	62.5°	16637.3	12373.6	2290.1	1060.2	1089.6	1158.1	1233.1	1210.3	1177.7	1239.6
19126.4	65°	15926.1	11607.0	1637.6	968.9	1014.5	1083.1	1177.7	1203.8	1213.5	1334.2
17567.0	67.5°	14171.1	10106.3	1203.8	893.8	936.3	1037.4	1216.8	1259.2	1252.7	1402.8
14741.9	70°	11339.5	7904.3	939.5	831.9	906.9	1073.3	1272.3	1272.3	1226.6	1402.8
11244.9	72.5°	8250.1	5571.9	809.0	760.1	831.9	985.2	1265.7	1262.5	1203.8	1282.1
7160.6	75°	4994.5	3242.6	714.4	688.3	714.4	844.9	1210.3	1190.7	1109.2	1102.6
3444.9	77.5°	2489.1	1631.1	583.9	610.0	623.1	707.9	1063.5	1092.8	981.9	955.8
1360.3	80°	1050.4	711.2	486.1	525.2	525.2	597.0	884.1	903.6	815.6	766.6
538.3	82.5°	479.5	407.8	414.3	456.7	427.4	463.2	701.4	724.2	662.2	580.7
228.4	85°	202.3	231.6	316.4	358.8	316.4	300.1	482.8	508.9	430.6	358.8
97.9	87.5°	91.3	127.2	199.0	261.0	159.8	140.3	257.7	267.5	215.3	159.8
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



<u>180°</u>
3741.8
3738.5
3875.5
4012.5
4006.0
3901.6
3833.1
3761.3
3611.3
3418.8
3210.0
2903.4
2567.4
2231.4
1921.4
1689.8
1507.1
1344.0
1259.2
1210.3
1190.7
1190.7
1190.7
1190.7
1194.0
1223.3
1334.2
1412.5
1373.4
1236.4
1089.6
939.5
750.3
567.6
362.1
150.1
0.0

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