

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: P477626

Luminaire Tested: **IFLD-S-SA6B-722-U-T3R**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P477626
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-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

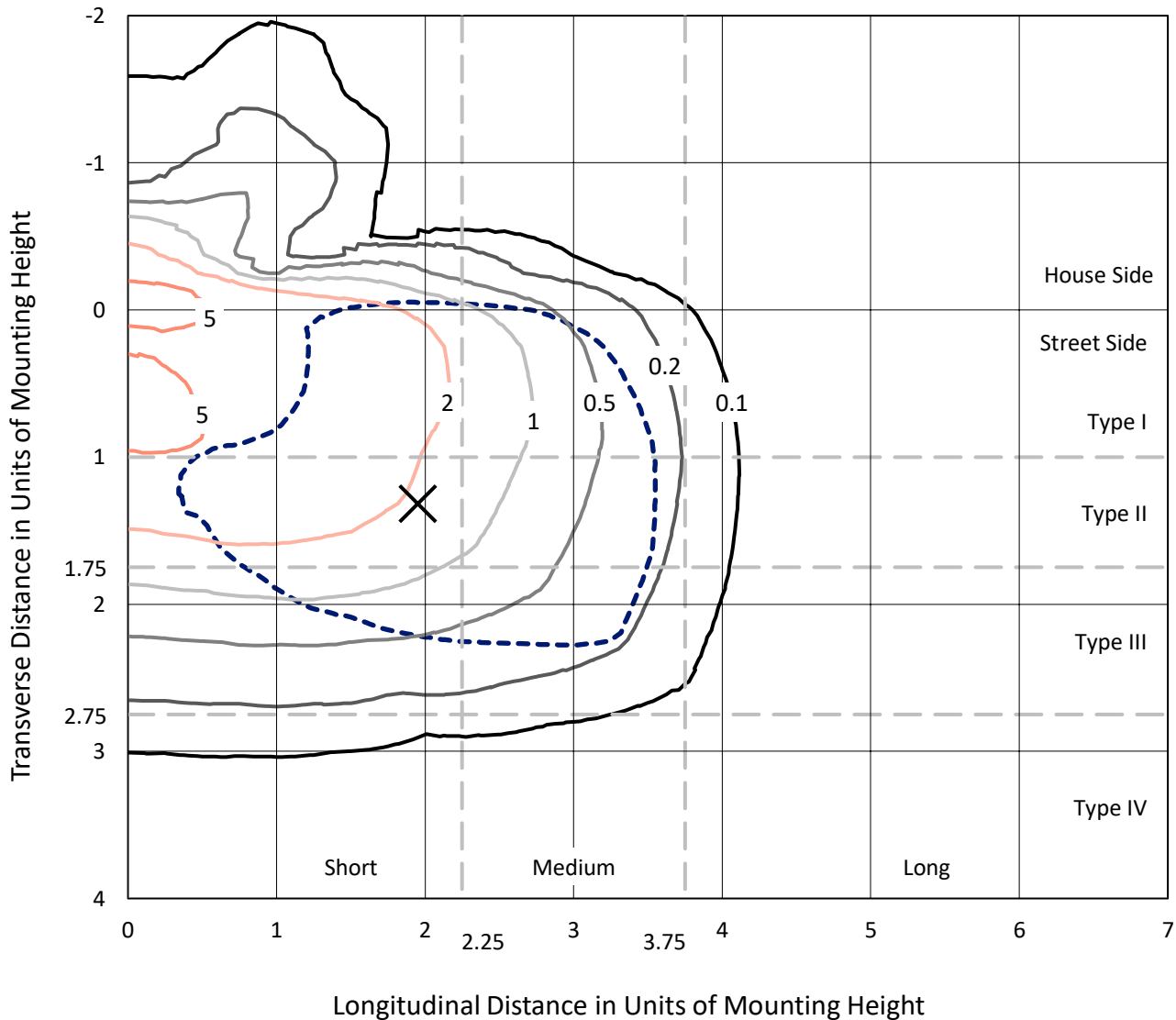
Lumens per Lamp: N/A
Luminaire Lumens: 24152.2 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 244.9
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

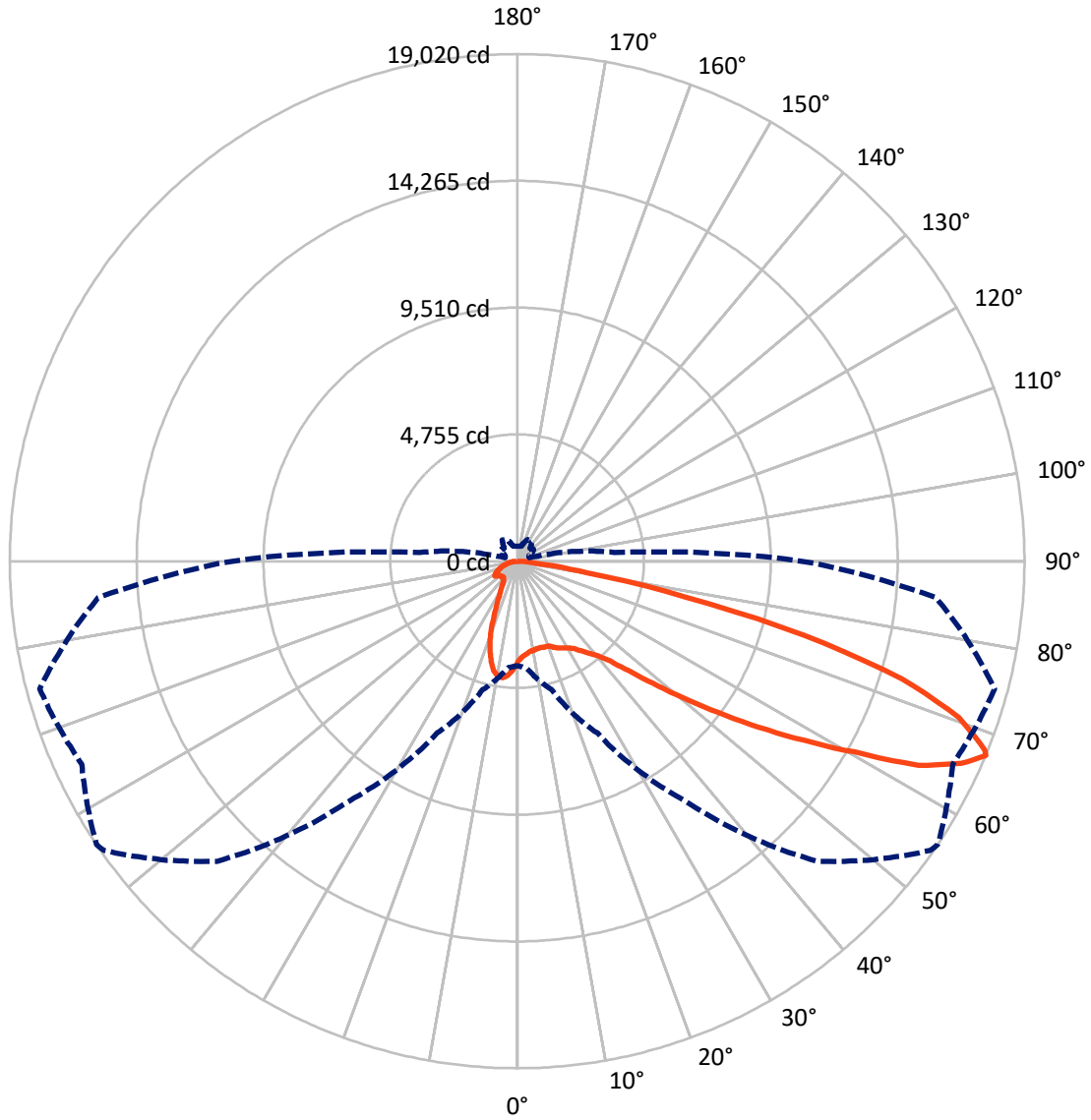
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 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	3823.5	0.0	3823.5
	% Fixture	15.8	0.0	15.8
Street Side	Lumens	20328.7	0.0	20328.7
	% Fixture	84.2	0.0	84.2
Total	Lumens	24152.2	0.0	24152.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.0	1.5
10°-20°	987.7	4.1
20°-30°	1549.0	6.4
30°-40°	2211.2	9.2
40°-50°	3337.3	13.8
50°-60°	5312.4	22.0
60°-70°	6791.5	28.1
70°-80°	3311.3	13.7
80°-90°	289.7	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°	24152.2	100.0
0°-180°	24152.2	100.0

Coefficient of Utilization

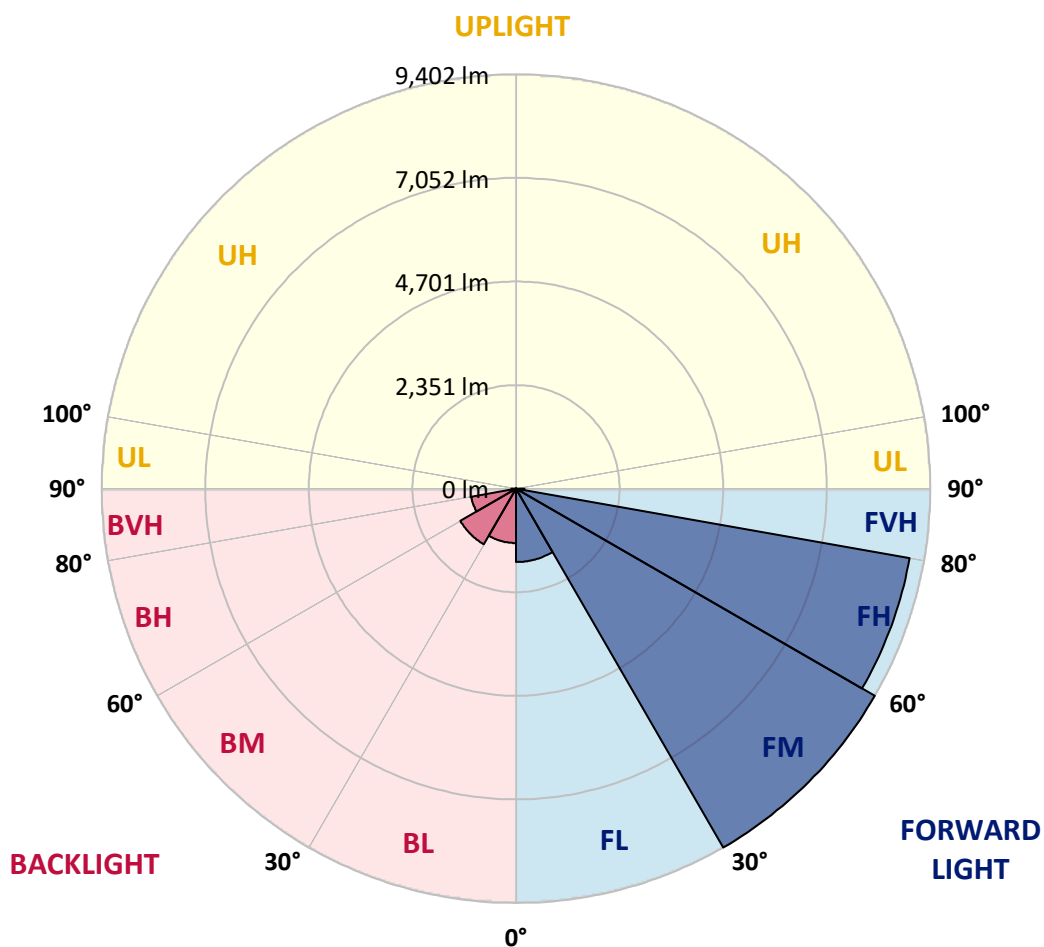


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1664.4	6.9			
FM (30°-60°)	9402.2	38.9			
FH (60°-80°)	9069.7	37.6			G4/12000
FVH (80°-90°)	192.4	0.8			G2/225
BL (0°-30°)	1234.3	5.1	B3/2500		
BM (30°-60°)	1458.7	6.0	B2/2500		
BH (60°-80°)	1033.2	4.3	B3/2500		G3/2500
BVH (80°-90°)	97.3	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°
0°	3758.0	3758.0	3758.0	3758.0	3758.0	3758.0	3758.0	3758.0	3758.0	3758.0
2.5°	3452.2	3438.0	3455.0	3438.0	3514.5	3559.8	3573.9	3593.8	3664.6	3732.5
5°	3307.7	3245.4	3313.4	3336.1	3341.7	3418.2	3497.5	3511.6	3548.5	3658.9
7.5°	3067.0	3137.8	3112.3	3180.3	3251.1	3327.6	3457.8	3421.0	3556.9	3661.7
10°	3016.0	3021.7	3050.0	3075.5	3137.8	3236.9	3418.2	3395.5	3534.3	3758.0
12.5°	3067.0	3067.0	3058.5	3038.7	3109.5	3205.8	3350.2	3361.5	3579.6	3786.3
15°	3245.4	3279.4	3188.8	3203.0	3174.6	3205.8	3333.2	3358.7	3596.6	3809.0
17.5°	3681.6	3670.2	3562.6	3412.5	3287.9	3268.1	3355.9	3384.2	3579.6	3874.1
20°	4106.3	4083.7	3896.8	3741.0	3494.6	3378.5	3392.7	3395.5	3607.9	3916.6
22.5°	4579.3	4638.8	4434.9	4117.7	3811.8	3523.0	3466.3	3511.6	3673.1	3939.3
25°	5321.3	5193.8	5018.2	4601.9	4109.2	3746.7	3588.1	3610.8	3735.4	3995.9
27.5°	5856.5	5805.5	5530.8	5193.8	4525.5	3922.3	3653.2	3695.7	3848.6	3993.1
30°	6371.9	6371.9	6204.8	5700.7	4964.4	4216.8	3792.0	3772.2	3794.8	3987.4
32.5°	6975.1	6893.0	6652.3	6318.1	5516.7	4485.8	3902.4	3908.1	3908.1	4092.2
35°	7292.3	7425.4	7264.0	6720.3	5938.6	4933.3	4168.7	4126.2	4095.0	4208.3
37.5°	7756.8	7836.0	7666.1	7346.1	6462.5	5295.8	4403.7	4369.7	4188.5	4298.9
40°	8037.1	8023.0	8017.3	7870.0	7156.4	5723.4	4749.2	4661.4	4417.9	4618.9
42.5°	8195.7	8167.4	8515.7	8425.1	7810.6	6352.1	5182.5	5134.4	4865.3	5188.2
45°	8374.1	8583.7	8869.7	9124.6	8572.4	7235.7	5916.0	5848.0	5607.3	6017.9
47.5°	8529.9	8787.6	9152.9	9424.8	9260.5	8195.7	6822.2	6839.2	6680.6	7102.6
50°	8790.4	8815.9	9311.5	9860.9	9988.3	9082.1	8039.9	8011.6	7940.8	8532.7
52.5°	8711.1	8787.6	9413.5	10115.8	10325.3	10019.5	9348.3	9433.3	9339.8	10084.6
55°	7419.7	7649.1	9351.1	10384.8	11124.0	11078.6	11030.5	10973.9	10968.2	11829.1
57.5°	6833.5	7020.4	8238.2	10682.2	11979.2	12313.4	12624.9	12687.2	12684.4	13723.7
60°	6448.4	6641.0	7787.9	10520.7	12707.0	13930.4	14528.0	14536.5	14519.5	15748.6
62.5°	5695.1	5882.0	7009.1	9637.2	12908.1	15422.9	16753.9	16864.4	16085.6	17493.0
65°	4788.9	4941.8	5935.8	8286.3	12372.9	16371.6	18427.6	18297.3	17405.3	18489.9
67°	3916.6	4018.6	4987.1	7113.9	10973.9	15915.6	18911.9	19019.5	18014.1	18532.4
67.5°	3667.4	3760.8	4675.6	6714.6	10441.5	15570.1	18928.9	18911.9	18025.5	18540.9
70°	2545.9	2585.6	3186.0	4618.9	7691.6	13154.5	17546.9	17586.5	17269.3	17535.5
72.5°	1687.9	1747.3	2129.6	2911.3	4534.0	9572.0	14666.7	15091.5	14890.5	14377.9
75°	1087.5	1121.5	1393.3	1733.2	2231.6	5451.5	10835.1	11118.3	10656.7	8892.4
77.5°	608.9	645.7	841.1	1053.5	1087.5	2268.4	6085.9	6437.1	5454.4	3777.8
80°	379.5	427.6	634.4	625.9	518.2	832.6	2509.1	2687.5	2180.6	1299.9
82.5°	286.0	322.8	489.9	439.0	291.7	371.0	940.2	1008.2	798.6	501.3
85°	195.4	246.4	354.0	271.9	152.9	178.4	373.8	402.1	365.3	243.5
87.5°	70.8	104.8	184.1	135.9	68.0	53.8	121.8	135.9	130.3	110.4
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°
3758.0	0°	3758.0	3758.0	3758.0	3758.0	3758.0	3758.0	3758.0	3758.0	3758.0	3758.0
3792.0	2.5°	3845.8	3885.5	3905.3	4021.4	4069.5	4061.0	4072.4	4089.4	4106.3	4129.0
3840.1	5°	3877.0	3998.7	4063.9	4199.8	4290.4	4250.8	4301.8	4287.6	4267.8	4264.9
3927.9	7.5°	3978.9	4134.7	4330.1	4366.9	4406.5	4307.4	4222.5	4106.3	4078.0	3978.9
4001.6	10°	4160.2	4287.6	4525.5	4539.6	4364.1	4109.2	3919.4	3678.7	3675.9	3531.5
4114.8	12.5°	4332.9	4477.3	4669.9	4587.8	4168.7	3820.3	3511.6	3248.3	3137.8	3064.2
4182.8	15°	4440.5	4678.4	4780.4	4426.4	3826.0	3355.9	2956.6	2673.4	2560.1	2506.3
4267.8	17.5°	4539.6	4871.0	4825.7	4143.2	3404.0	2877.3	2401.5	2155.1	2124.0	2084.3
4403.7	20°	4675.6	4941.8	4664.2	3775.0	2925.4	2259.9	1956.9	1837.9	1866.3	1883.3
4417.9	22.5°	4803.0	4978.6	4460.3	3372.9	2310.9	1789.8	1639.7	1665.2	1707.7	1764.3
4451.8	25°	4859.7	5038.1	4185.6	2817.8	1758.7	1506.6	1472.6	1515.1	1585.9	1588.7
4500.0	27.5°	4896.5	4995.6	3854.3	2276.9	1390.5	1316.9	1367.8	1399.0	1407.5	1441.5
4601.9	30°	4961.6	4907.8	3435.2	1628.4	1166.8	1169.6	1234.7	1234.7	1234.7	1260.2
4703.9	32.5°	5074.9	4848.3	2945.2	1189.4	1005.3	1096.0	1079.0	1073.3	1062.0	1030.8
4834.2	35°	5145.7	4686.9	2325.0	880.7	903.4	1005.3	999.7	911.9	764.6	691.0
5165.5	37.5°	5292.9	4604.8	1710.5	679.7	843.9	960.0	928.9	716.5	555.1	484.3
5576.1	40°	5610.1	4551.0	1183.8	594.7	804.3	937.4	829.8	611.7	424.8	300.2
6210.5	42.5°	5998.1	4553.8	804.3	560.7	807.1	985.5	798.6	523.9	300.2	240.7
7057.3	45°	6519.2	4511.3	552.2	560.7	858.1	1064.8	818.4	475.8	291.7	305.9
8119.2	47.5°	7079.9	4548.1	410.6	509.8	866.6	1067.7	747.6	467.3	280.4	354.0
9274.7	50°	7734.1	4585.0	339.8	470.1	869.4	1033.7	688.2	455.9	291.7	373.8
10600.0	52.5°	8408.1	4701.1	288.9	444.6	903.4	1019.5	688.2	472.9	291.7	325.7
12287.9	55°	9413.5	4998.4	416.3	555.1	1028.0	1113.0	846.8	662.7	407.8	419.1
13904.9	57.5°	10523.6	5304.3	464.4	583.4	1056.3	1002.5	911.9	730.6	430.5	433.3
15162.3	60°	11254.2	5315.6	461.6	569.2	988.4	866.6	892.1	770.3	439.0	371.0
15941.1	62.5°	11545.9	4970.1	481.4	569.2	920.4	809.9	914.7	829.8	453.1	464.4
16162.0	65°	11214.6	4256.4	464.4	509.8	809.9	725.0	920.4	841.1	495.6	467.3
15765.5	67°	10696.3	3667.4	472.9	484.3	753.3	688.2	968.5	883.6	574.9	560.7
15558.8	67.5°	10549.1	3511.6	470.1	470.1	733.5	676.8	979.9	883.6	586.2	580.6
13732.2	70°	9297.3	2846.1	481.4	464.4	648.5	642.9	1042.2	931.7	674.0	679.7
10087.5	72.5°	7077.1	2158.0	478.6	464.4	563.6	614.5	1050.7	962.9	733.5	679.7
5649.8	75°	4021.4	1291.4	422.0	405.0	444.6	535.2	982.7	917.6	713.7	608.9
2257.1	77.5°	1662.4	665.5	388.0	365.3	368.2	436.1	818.4	855.3	679.7	518.2
753.3	80°	620.2	399.3	311.5	291.7	283.2	320.0	583.4	682.5	580.6	424.8
331.3	82.5°	322.8	249.2	212.4	212.4	192.6	203.9	314.3	453.1	439.0	291.7
133.1	85°	164.3	141.6	121.8	118.9	107.6	96.3	158.6	269.0	252.0	161.4
59.5	87.5°	87.8	79.3	51.0	48.1	39.6	25.5	28.3	53.8	87.8	70.8
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°
3758.0
4151.7
4290.4
4012.9
3525.8
3047.2
2495.0
2104.1
1863.4
1733.2
1617.1
1472.6
1288.5
1013.8
725.0
481.4
291.7
235.1
311.5
393.6
433.3
334.2
441.8
419.1
382.3
470.1
458.8
552.2
569.2
628.7
603.2
543.7
489.9
388.0
229.4
133.1
51.0
0.0

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