

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: P637890

Luminaire Tested: **IFLD-L-SA7C-735-U-66-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P637890  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7C-735-U-66-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor  
Light Source: (112) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 36868.2 lumens  
Efficiency: N/A  
Efficacy: 99.9 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G2

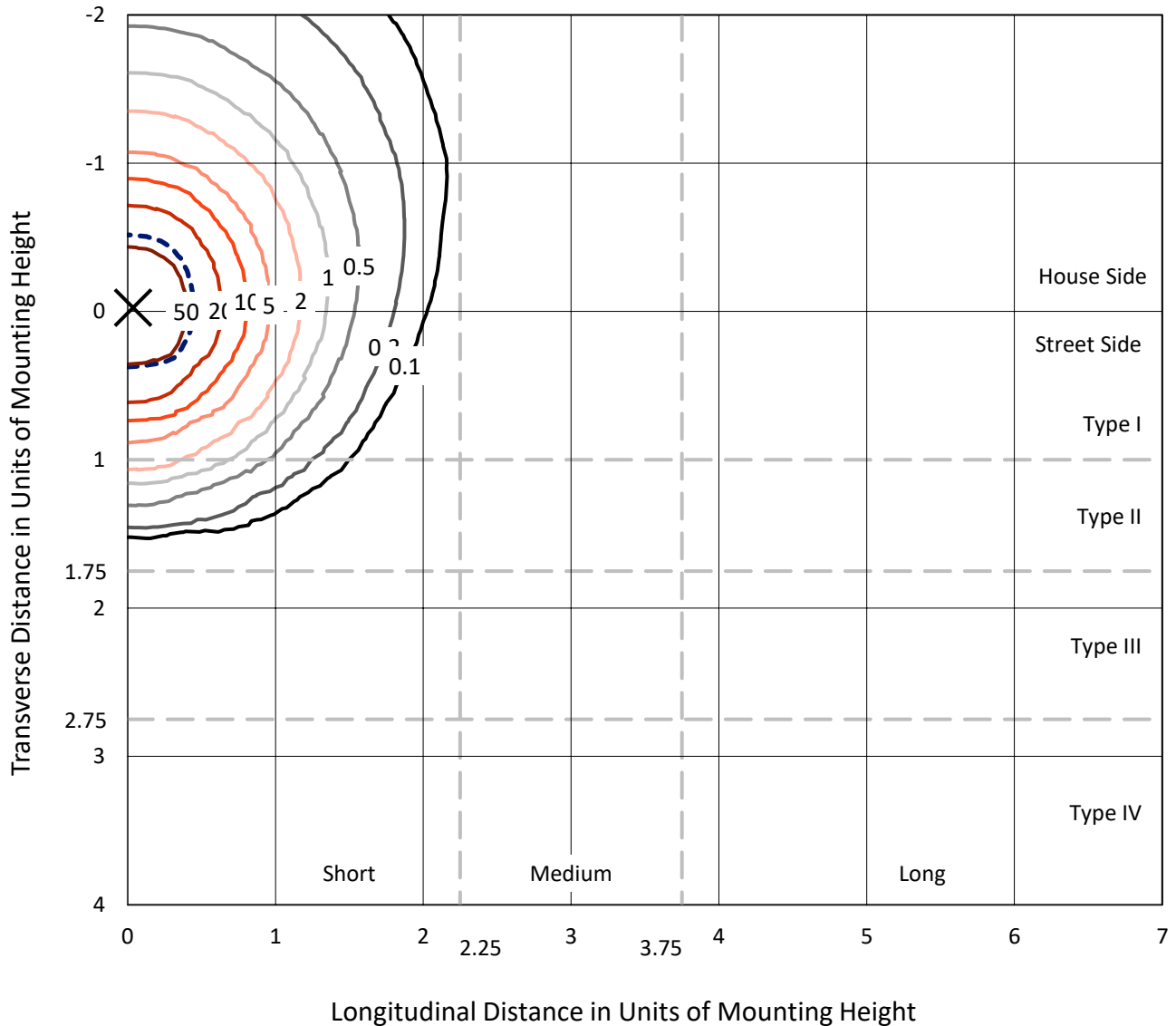
Input Watts (W): 369  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

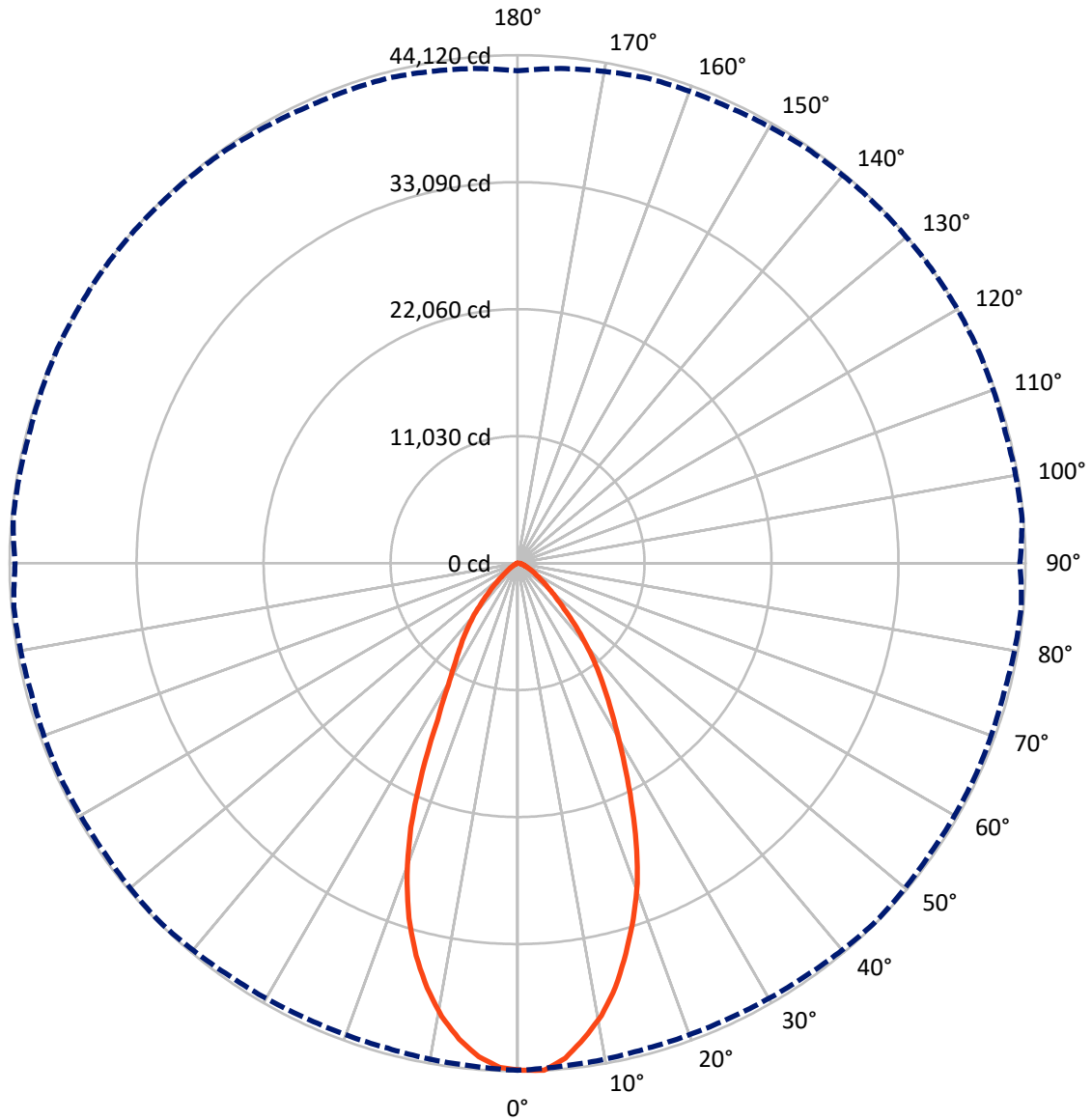
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 110.1 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 125-Deg Lateral    - - - Horizontal Cone Through 2.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	20920.5	0.0	20920.5
	% Fixture	56.7	0.0	56.7
<b>Street Side</b>	Lumens	15947.7	0.0	15947.7
	% Fixture	43.3	0.0	43.3
<b>Total</b>	Lumens	36868.2	0.0	36868.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3999.8	10.8
10°-20°	9534.6	25.9
20°-30°	9710.8	26.3
30°-40°	7241.3	19.6
40°-50°	3783.0	10.3
50°-60°	1591.2	4.3
60°-70°	649.8	1.8
70°-80°	273.5	0.7
80°-90°	84.3	0.2
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°	36868.2	100.0
0°-180°	36868.2	100.0



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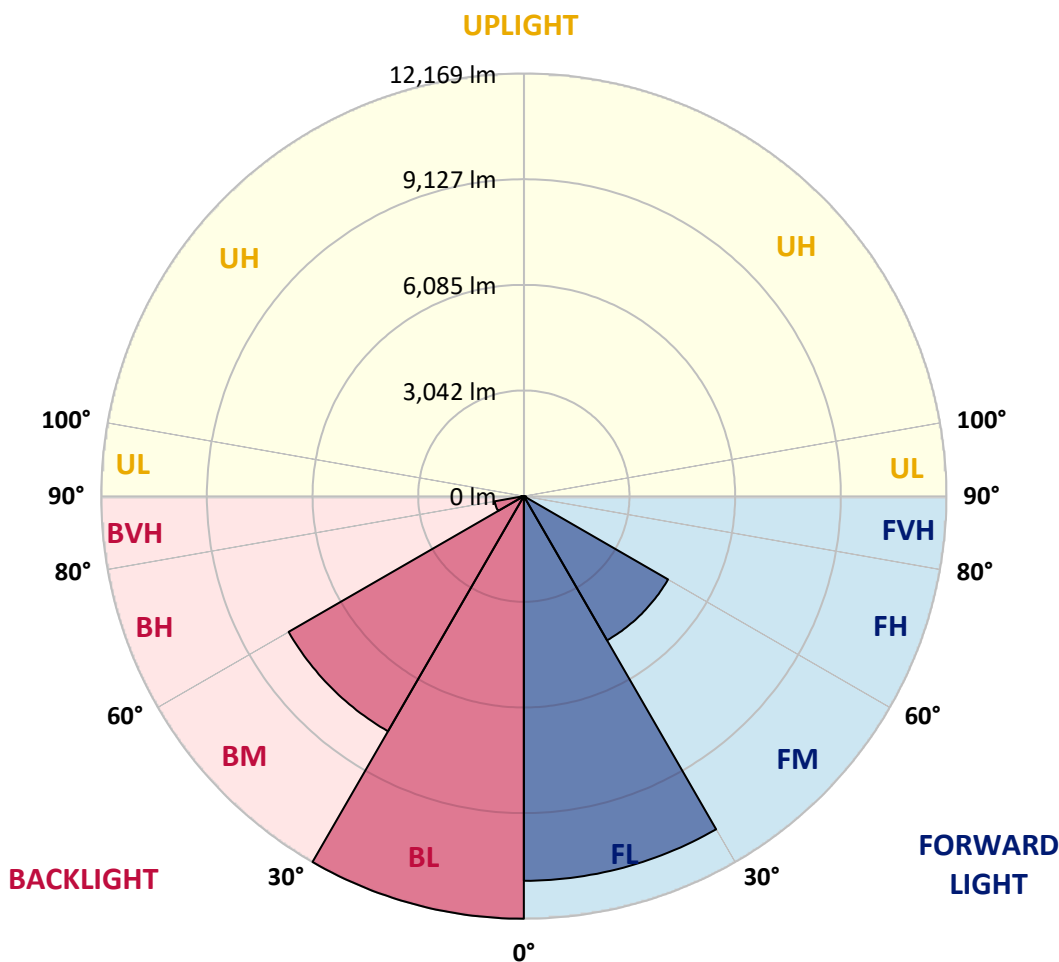
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	11075.7	30.0			
FM (30°-60°)	4794.8	13.0			
FH (60°-80°)	69.4	0.2			G0/660
FVH (80°-90°)	7.8	0.0			G0/10
BL (0°-30°)	12169.5	33.0	B5		
BM (30°-60°)	7820.7	21.2	B4/8500		
BH (60°-80°)	853.9	2.3	B2/1000		G2/1000
BVH (80°-90°)	76.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G2**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	44048.6	44048.6	44048.6	44048.6	44048.6	44048.6	44048.6	44048.6	44048.6	44048.6
2.5°	44053.3	43873.4	43617.6	43593.9	43726.5	44015.4	43830.7	43840.2	43726.5	43920.7
5°	43361.9	43191.4	43016.2	42784.1	42978.3	43101.4	43006.7	42902.5	42755.7	42945.1
7.5°	42054.8	41960.1	41699.6	41595.4	41713.8	41851.1	41647.5	41619.1	41415.4	41661.7
10°	40056.2	40018.3	39762.6	39701.0	39805.2	40013.6	39923.6	39904.7	39776.8	39753.1
12.5°	37981.9	37835.1	37517.8	37498.8	37655.1	37967.7	37726.2	37494.1	37565.1	37626.7
15°	32639.8	32483.5	33269.7	34505.8	35154.6	35130.9	35201.9	34922.5	34837.3	34865.7
17.5°	25948.0	25682.8	25966.9	27880.2	30963.3	32753.5	32260.9	31659.5	31337.4	31124.3
20°	22396.1	22410.3	22358.2	22850.7	24773.5	28855.8	28737.4	27577.1	27155.6	26980.4
22.5°	20236.5	20156.0	20042.3	20198.6	20714.8	23111.2	24716.7	23651.1	23504.3	23310.1
25°	18119.5	18119.5	17982.2	18138.5	18285.3	18318.5	19928.7	20364.4	20080.2	20080.2
27.5°	16286.8	16192.0	16130.5	16201.5	16007.3	15074.4	15278.0	17508.6	17314.4	17196.0
30°	14468.2	14439.8	14335.6	14430.3	13710.4	12659.1	12232.8	14776.0	14979.6	14937.0
32.5°	11943.9	12057.6	12521.7	12668.5	11437.2	10589.5	10182.2	12266.0	13080.6	13047.4
35°	8117.3	8212.0	8742.5	10494.7	9481.3	8875.1	8756.7	9755.9	11096.2	11224.1
37.5°	6464.5	6450.3	6601.8	6914.4	7620.1	7473.2	7440.1	7700.6	9050.3	9107.1
40°	5327.9	5308.9	5304.2	5048.5	4873.2	6213.5	6123.5	5967.2	7137.0	7250.7
42.5°	4295.5	4314.4	4328.6	3769.8	3514.0	4792.7	4740.6	4579.6	5597.8	5730.4
45°	3372.0	3367.2	3395.6	2808.4	2737.3	3064.1	3542.5	3414.6	4224.4	4366.5
47.5°	1747.5	1809.1	2192.7	2173.8	2206.9	2173.8	2680.5	2647.4	3177.8	3405.1
50°	1174.5	1193.4	1226.6	1231.3	1738.1	1600.7	1818.6	2060.1	2225.9	2576.3
52.5°	909.3	923.5	838.3	786.2	1065.6	1184.0	1193.4	1425.5	1553.4	1908.6
55°	506.7	568.3	610.9	615.7	587.3	876.1	871.4	1056.1	1155.6	1392.4
57.5°	66.3	80.5	123.1	397.8	393.1	487.8	610.9	767.2	824.0	1018.2
60°	4.7	9.5	14.2	61.6	260.5	284.2	416.8	478.3	573.0	715.1
62.5°	0.0	0.0	4.7	14.2	52.1	165.8	217.9	251.0	336.2	468.9
65°	0.0	0.0	4.7	9.5	18.9	61.6	85.2	137.3	198.9	288.9
67.5°	0.0	0.0	4.7	9.5	14.2	23.7	37.9	61.6	104.2	175.2
70°	0.0	0.0	4.7	9.5	14.2	18.9	28.4	37.9	56.8	94.7
72.5°	0.0	0.0	4.7	4.7	9.5	23.7	23.7	28.4	37.9	52.1
75°	0.0	0.0	4.7	9.5	14.2	23.7	23.7	23.7	28.4	33.2
77.5°	0.0	0.0	4.7	9.5	14.2	23.7	18.9	23.7	23.7	23.7
80°	0.0	0.0	4.7	9.5	14.2	23.7	28.4	23.7	18.9	18.9
82.5°	0.0	0.0	4.7	14.2	14.2	33.2	33.2	33.2	14.2	14.2
85°	0.0	0.0	9.5	14.2	23.7	37.9	37.9	28.4	14.2	9.5
87.5°	0.0	0.0	4.7	9.5	9.5	18.9	28.4	23.7	9.5	4.7
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):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
44048.6	0°	44048.6	44048.6	44048.6	44048.6	44048.6	44048.6	44048.6	44048.6	44048.6
43636.6	2.5°	43987.0	43868.6	44091.2	44119.6	44024.9	43906.5	43631.8	43608.1	43129.8
42670.4	5°	43153.5	42959.3	43101.4	43196.1	43163.0	43035.1	42921.4	42817.3	42386.3
41102.9	7.5°	41600.1	41529.1	41595.4	41666.4	41803.8	41666.4	41619.1	41510.1	41083.9
39559.0	10°	39876.3	39743.7	39994.7	39961.5	39923.6	39885.7	39686.8	39705.8	39203.8
37456.2	12.5°	37759.3	37536.7	37778.3	37806.7	37778.3	37645.7	37423.1	37517.8	37058.4
34614.7	15°	34913.0	34889.4	35064.6	35178.3	35258.8	35116.7	35040.9	35088.3	34813.6
30958.6	17.5°	31417.9	31725.8	32298.8	32493.0	32497.7	32644.5	32601.9	32545.1	32341.4
26909.4	20°	27307.2	27899.2	28780.1	29684.6	29945.1	29821.9	29765.1	29869.3	29566.2
23106.4	22.5°	23513.7	24020.5	25043.4	26364.7	27127.2	27203.0	27188.8	27098.8	26980.4
20061.3	25°	20293.3	20743.2	21723.6	22931.2	24394.6	24612.5	24621.9	24593.5	24489.3
17300.2	27.5°	17574.9	18119.5	18659.4	19739.2	21297.3	22197.2	22083.5	22050.3	22012.5
14970.2	30°	15112.3	15799.0	16305.7	16978.2	18375.3	19592.4	19710.8	19654.0	19564.0
13042.7	32.5°	13161.1	13568.3	14212.4	14667.1	15671.1	17049.2	17503.9	17461.3	17380.7
11304.6	35°	11465.6	11626.6	12133.4	12640.1	13307.9	14643.4	15315.9	15221.2	15207.0
9211.3	37.5°	9443.4	9983.3	10262.7	10774.2	11243.0	12280.2	13208.4	13165.8	13170.5
7406.9	40°	7624.8	7937.4	8491.5	8922.4	9353.4	10111.1	11143.6	11172.0	11162.5
5735.2	42.5°	5853.6	6156.7	6739.2	7208.0	7591.6	8060.5	9045.6	9078.7	9121.3
4466.0	45°	4570.1	4764.3	5190.5	5678.3	6085.6	6369.8	7118.1	7331.2	7335.9
3461.9	47.5°	3547.2	3769.8	4072.9	4541.7	4939.5	5143.2	5687.8	5976.7	5962.5
2656.8	50°	2784.7	2988.4	3234.6	3604.0	4035.0	4196.0	4598.6	4882.7	4868.5
2003.3	52.5°	2131.2	2391.6	2609.5	2893.6	3315.1	3452.5	3741.4	4068.1	4020.8
1468.1	55°	1614.9	1880.2	2083.8	2320.6	2704.2	2879.4	3078.3	3338.8	3348.3
1136.6	57.5°	1217.1	1491.8	1676.5	1918.0	2206.9	2401.1	2552.6	2832.1	2827.3
776.7	60°	871.4	1108.2	1330.8	1581.8	1804.4	2027.0	2131.2	2396.4	2405.8
549.4	62.5°	629.9	852.5	1065.6	1283.4	1482.3	1700.2	1794.9	2003.3	2031.7
359.9	65°	440.4	596.7	843.0	1008.7	1231.3	1392.4	1515.5	1695.5	1728.6
213.1	67.5°	284.2	431.0	667.8	814.6	1018.2	1155.6	1283.4	1425.5	1468.1
137.3	70°	170.5	326.8	497.3	653.6	838.3	961.4	1084.5	1207.7	1231.3
66.3	72.5°	108.9	227.3	359.9	530.4	672.5	805.1	914.0	1004.0	933.0
42.6	75°	61.6	156.3	284.2	416.8	544.6	672.5	762.5	809.8	648.8
28.4	77.5°	37.9	113.7	232.1	336.2	421.5	539.9	596.7	625.1	464.1
18.9	80°	23.7	85.2	194.2	274.7	274.7	397.8	464.1	487.8	336.2
14.2	82.5°	18.9	61.6	151.5	208.4	184.7	298.4	364.7	369.4	236.8
9.5	85°	14.2	47.4	94.7	137.3	127.9	208.4	213.1	236.8	156.3
9.5	87.5°	9.5	28.4	56.8	80.5	71.0	99.5	113.7	127.9	85.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
44048.6  
42755.7  
42040.6  
40993.9  
39033.3  
36925.8  
34482.1  
32038.3  
29348.4  
26753.1  
24138.9  
21789.9  
19450.3  
17167.6  
15050.7  
13019.0  
10996.8  
8979.3  
7212.8  
5910.4  
4868.5  
4025.5  
3348.3  
2817.9  
2382.2  
2022.2  
1719.1  
1463.4  
1212.4  
866.7  
615.7  
435.7  
312.6  
217.9  
142.1  
75.8  
0.0

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