

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: P637939

Luminaire Tested: **IFLD-S-SA6D-750-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637939
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-750-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (96) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39436.1 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G2

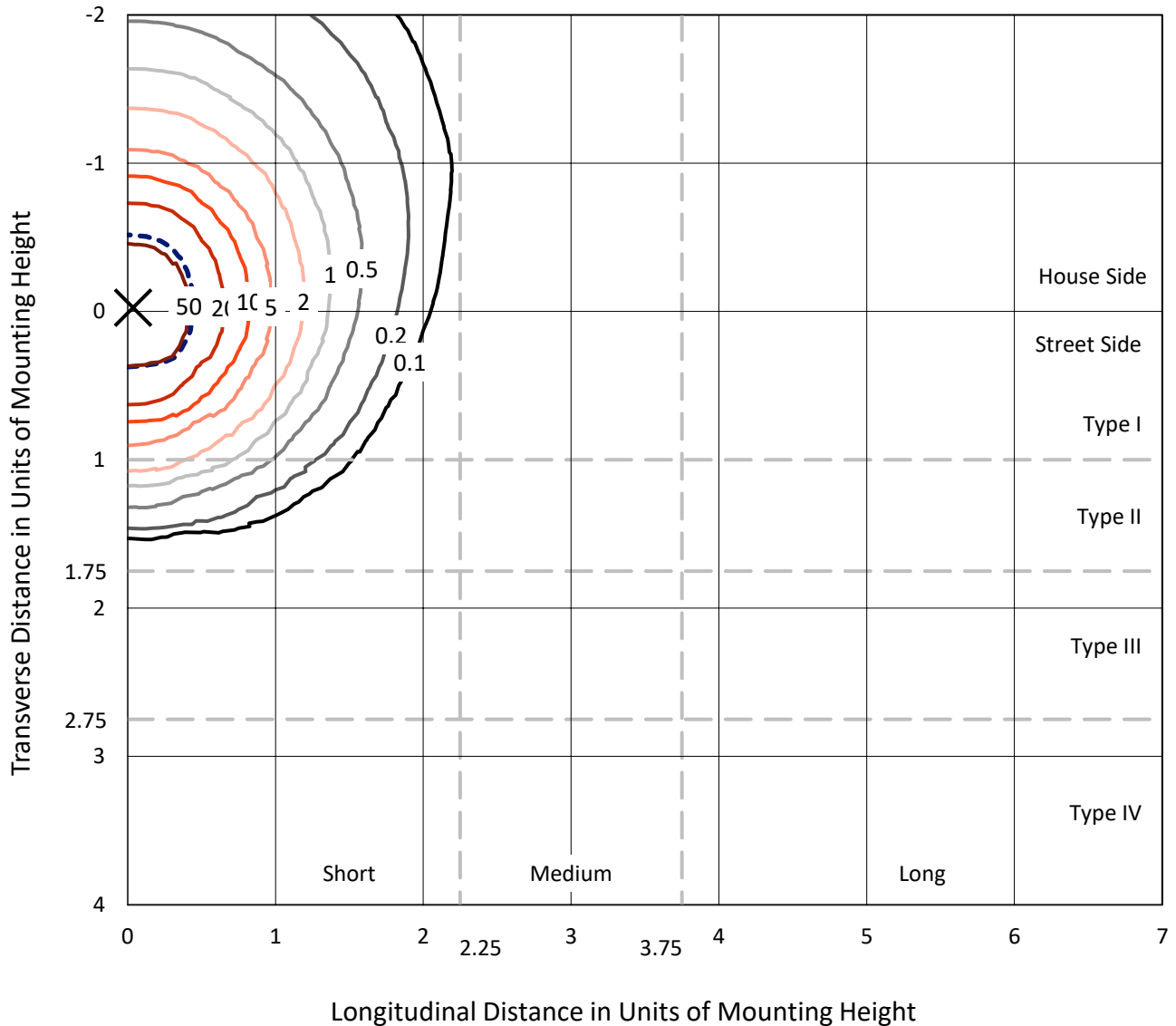
Input Watts (W): 368.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

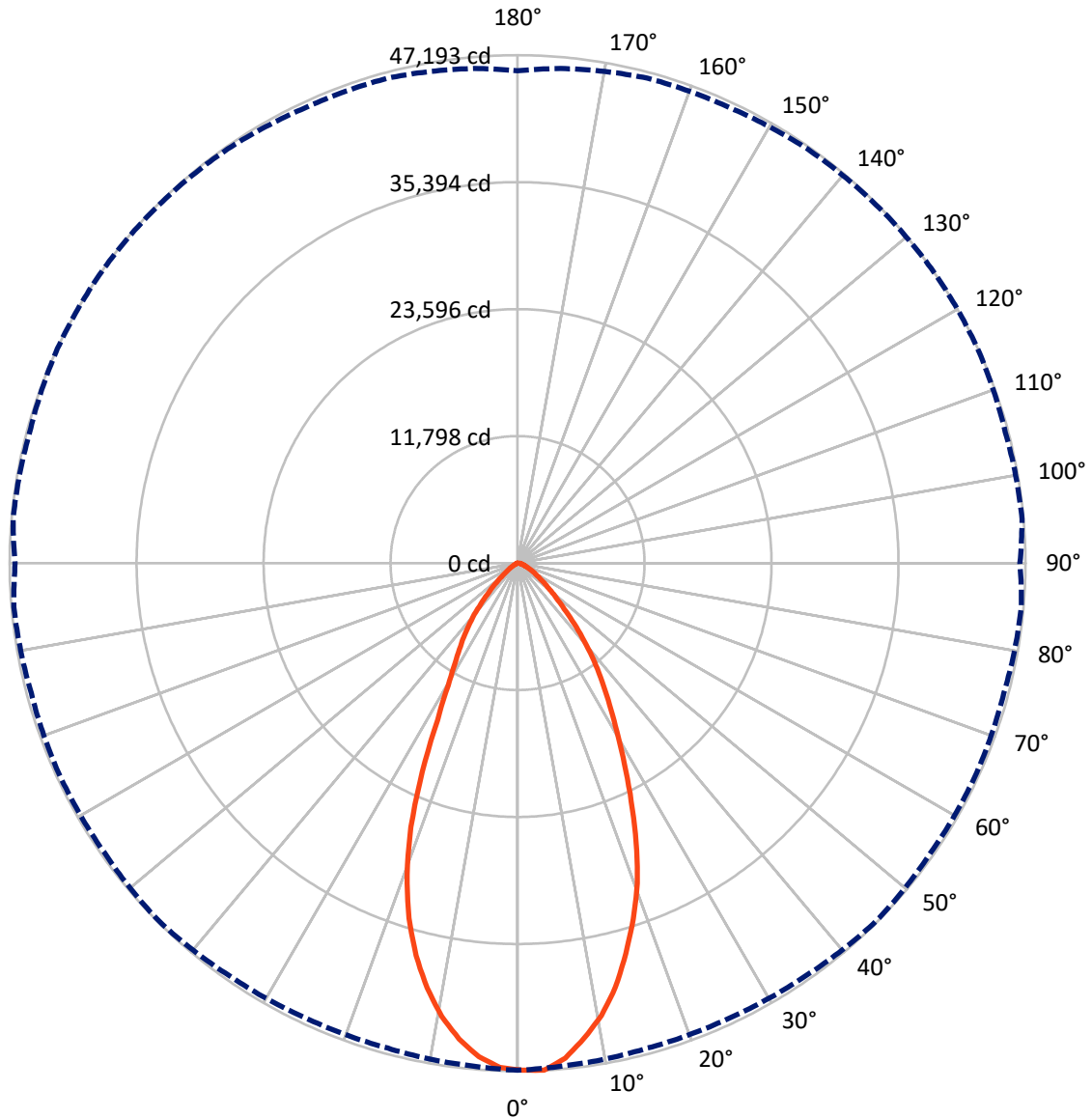
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 117.8 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
House Side	Lumens	22377.6	0.0	22377.6
	% Fixture	56.7	0.0	56.7
Street Side	Lumens	17058.5	0.0	17058.5
	% Fixture	43.3	0.0	43.3
Total	Lumens	39436.1	0.0	39436.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4278.4	10.8
10°-20°	10198.7	25.9
20°-30°	10387.1	26.3
30°-40°	7745.7	19.6
40°-50°	4046.5	10.3
50°-60°	1702.0	4.3
60°-70°	695.1	1.8
70°-80°	292.5	0.7
80°-90°	90.1	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°	39436.1	100.0
0°-180°	39436.1	100.0



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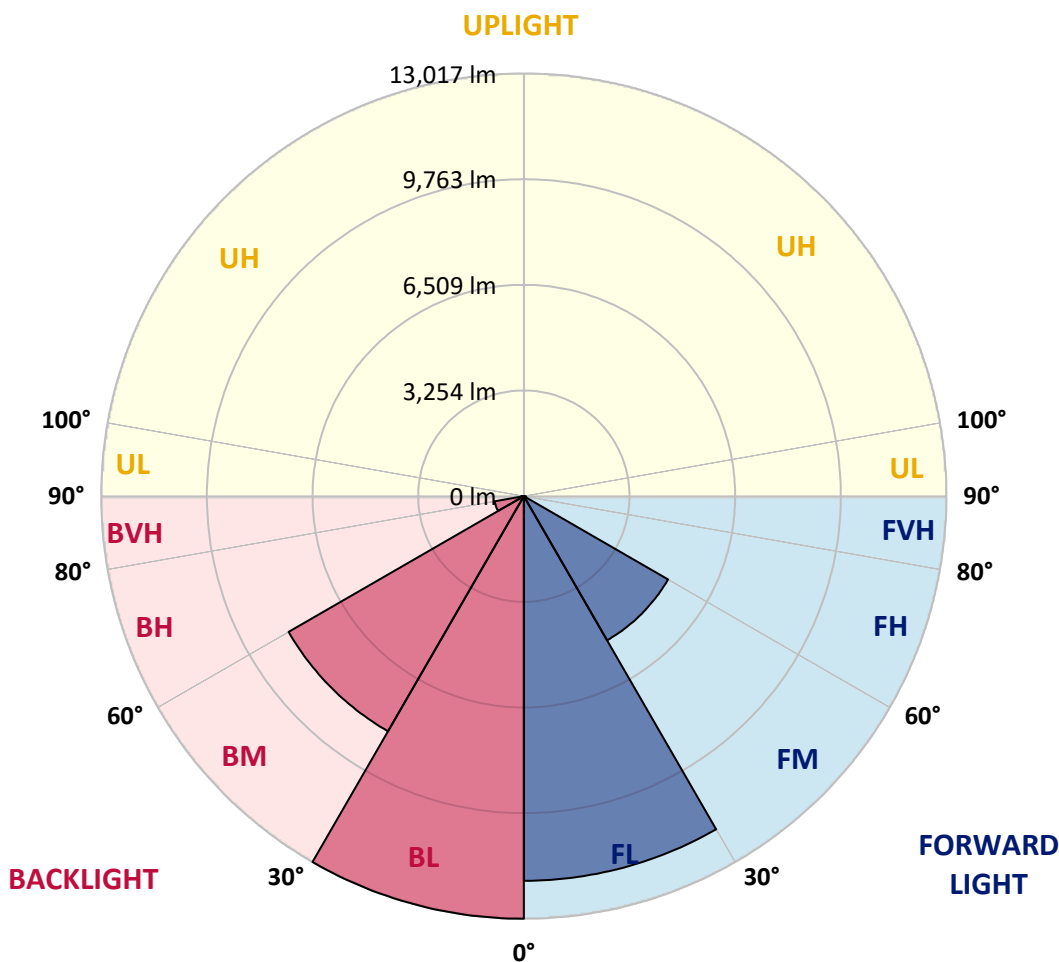
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	11847.1	30.0			
FM (30°-60°)	5128.8	13.0			
FH (60°-80°)	74.2	0.2			G0/660
FVH (80°-90°)	8.4	0.0			G0/10
BL (0°-30°)	13017.1	33.0	B5		
BM (30°-60°)	8365.4	21.2	B4/8500		
BH (60°-80°)	913.4	2.3	B2/1000		G2/1000
BVH (80°-90°)	81.8	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°	47116.6	47116.6	47116.6	47116.6	47116.6	47116.6	47116.6	47116.6	47116.6	47116.6
2.5°	47121.6	46929.1	46655.6	46630.3	46772.1	47081.1	46883.5	46893.7	46772.1	46979.8
5°	46382.0	46199.7	46012.2	45764.0	45971.7	46103.4	46002.1	45890.7	45733.6	45936.3
7.5°	44983.9	44882.6	44604.0	44492.5	44619.2	44766.1	44548.2	44517.8	44300.0	44563.4
10°	42846.1	42805.6	42532.1	42466.2	42577.7	42800.6	42704.3	42684.0	42547.3	42521.9
12.5°	40627.3	40470.3	40130.9	40110.6	40277.8	40612.1	40353.8	40105.6	40181.6	40247.4
15°	34913.2	34746.0	35586.9	36909.1	37603.1	37577.8	37653.7	37354.9	37263.7	37294.1
17.5°	27755.3	27471.6	27775.5	29822.1	33119.9	35034.8	34507.9	33864.6	33520.1	33292.1
20°	23955.9	23971.1	23915.4	24442.3	26499.0	30865.6	30739.0	29497.9	29047.0	28859.6
22.5°	21646.0	21559.8	21438.3	21605.4	22157.6	24720.9	26438.2	25298.4	25141.3	24933.6
25°	19381.6	19381.6	19234.7	19401.8	19558.9	19594.3	21316.7	21782.7	21478.8	21478.8
27.5°	17421.1	17319.8	17254.0	17329.9	17122.2	16124.3	16342.1	18728.1	18520.4	18393.8
30°	15475.9	15445.5	15334.0	15435.4	14665.4	13540.8	13084.8	15805.2	16023.0	15977.4
32.5°	12775.8	12897.4	13393.9	13550.9	12233.8	11327.0	10891.4	13120.3	13991.6	13956.2
35°	8682.7	8784.0	9351.4	11225.7	10141.6	9493.2	9366.6	10435.5	11869.1	12005.8
37.5°	6914.8	6899.6	7061.7	7396.0	8150.8	7993.8	7958.3	8236.9	9680.7	9741.4
40°	5699.0	5678.7	5673.6	5400.1	5212.7	6646.3	6550.0	6382.8	7634.1	7755.7
42.5°	4594.6	4614.9	4630.1	4032.3	3758.8	5126.5	5070.8	4898.6	5987.7	6129.6
45°	3606.8	3601.8	3632.1	3004.0	2928.0	3277.5	3789.2	3652.4	4518.7	4670.6
47.5°	1869.3	1935.1	2345.4	2325.2	2360.6	2325.2	2867.2	2831.8	3399.1	3642.3
50°	1256.3	1276.6	1312.0	1317.1	1859.1	1712.2	1945.2	2203.6	2380.9	2755.8
52.5°	972.6	987.8	896.6	840.9	1139.8	1266.4	1276.6	1524.8	1661.6	2041.5
55°	542.0	607.9	653.5	658.5	628.2	937.2	932.1	1129.7	1236.0	1489.3
57.5°	70.9	86.1	131.7	425.5	420.5	521.8	653.5	820.7	881.4	1089.1
60°	5.1	10.1	15.2	65.9	278.6	303.9	445.8	511.6	613.0	764.9
62.5°	0.0	0.0	5.1	15.2	55.7	177.3	233.0	268.5	359.7	501.5
65°	0.0	0.0	5.1	10.1	20.3	65.9	91.2	146.9	212.8	309.0
67.5°	0.0	0.0	5.1	10.1	15.2	25.3	40.5	65.9	111.4	187.4
70°	0.0	0.0	5.1	10.1	15.2	20.3	30.4	40.5	60.8	101.3
72.5°	0.0	0.0	5.1	5.1	10.1	25.3	25.3	30.4	40.5	55.7
75°	0.0	0.0	5.1	10.1	15.2	25.3	25.3	25.3	30.4	35.5
77.5°	0.0	0.0	5.1	10.1	15.2	25.3	20.3	25.3	25.3	25.3
80°	0.0	0.0	5.1	10.1	15.2	25.3	30.4	25.3	20.3	20.3
82.5°	0.0	0.0	5.1	15.2	15.2	35.5	35.5	35.5	15.2	15.2
85°	0.0	0.0	10.1	15.2	25.3	40.5	40.5	30.4	15.2	10.1
87.5°	0.0	0.0	5.1	10.1	10.1	20.3	30.4	25.3	10.1	5.1
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°
47116.6	0°	47116.6	47116.6	47116.6	47116.6	47116.6	47116.6	47116.6	47116.6	47116.6
46675.9	2.5°	47050.7	46924.1	47162.2	47192.6	47091.2	46964.6	46670.8	46645.5	46133.8
45642.4	5°	46159.1	45951.4	46103.4	46204.7	46169.3	46032.5	45910.9	45799.5	45338.5
43965.7	7.5°	44497.6	44421.6	44492.5	44568.5	44715.4	44568.5	44517.8	44401.3	43945.4
42314.2	10°	42653.6	42511.8	42780.3	42744.8	42704.3	42663.8	42451.0	42471.3	41934.3
40065.0	12.5°	40389.3	40151.2	40409.5	40439.9	40409.5	40267.7	40029.6	40130.9	39639.5
37025.6	15°	37344.7	37319.4	37506.8	37628.4	37714.5	37562.6	37481.5	37532.2	37238.4
33114.8	17.5°	33606.2	33935.5	34548.4	34756.1	34761.2	34918.2	34872.6	34811.9	34594.0
28783.6	20°	29209.1	29842.4	30784.6	31752.1	32030.8	31899.0	31838.3	31949.7	31625.5
24715.8	22.5°	25151.5	25693.5	26787.7	28201.0	29016.6	29097.7	29082.5	28986.2	28859.6
21458.5	25°	21706.8	22188.0	23236.6	24528.4	26093.7	26326.7	26336.9	26306.5	26195.0
18505.2	27.5°	18799.0	19381.6	19959.1	21114.1	22780.7	23743.2	23621.6	23586.1	23545.6
16012.8	30°	16164.8	16899.4	17441.4	18160.7	19655.1	20957.0	21083.7	21022.9	20926.6
13951.1	32.5°	14077.7	14513.4	15202.3	15688.6	16762.6	18236.7	18723.0	18677.4	18591.3
12092.0	35°	12264.2	12436.4	12978.5	13520.5	14234.8	15663.3	16382.6	16281.3	16266.1
9852.9	37.5°	10101.1	10678.6	10977.5	11524.6	12026.1	13135.5	14128.4	14082.8	14087.9
7922.8	40°	8155.9	8490.2	9082.9	9543.9	10004.9	10815.4	11919.7	11950.1	11940.0
6134.6	42.5°	6261.3	6585.5	7208.6	7710.1	8120.4	8621.9	9675.6	9711.0	9756.6
4777.0	45°	4888.5	5096.1	5552.1	6073.8	6509.5	6813.4	7613.8	7841.8	7846.9
3703.1	47.5°	3794.2	4032.3	4356.5	4858.1	5283.6	5501.4	6084.0	6393.0	6377.8
2841.9	50°	2978.7	3196.5	3459.9	3855.0	4316.0	4488.3	4918.8	5222.8	5207.6
2142.8	52.5°	2279.6	2558.2	2791.2	3095.2	3546.0	3692.9	4001.9	4351.5	4300.8
1570.4	55°	1727.4	2011.1	2228.9	2482.2	2892.5	3080.0	3292.7	3571.4	3581.5
1215.8	57.5°	1301.9	1595.7	1793.3	2051.6	2360.6	2568.3	2730.4	3029.3	3024.3
830.8	60°	932.1	1185.4	1423.5	1692.0	1930.1	2168.1	2279.6	2563.3	2573.4
587.6	62.5°	673.7	911.8	1139.8	1372.8	1585.6	1818.6	1919.9	2142.8	2173.2
385.0	65°	471.1	638.3	901.7	1079.0	1317.1	1489.3	1621.0	1813.5	1849.0
228.0	67.5°	303.9	461.0	714.3	871.3	1089.1	1236.0	1372.8	1524.8	1570.4
146.9	70°	182.4	349.5	531.9	699.1	896.6	1028.3	1160.1	1291.8	1317.1
70.9	72.5°	116.5	243.2	385.0	567.4	719.3	861.2	977.7	1073.9	998.0
45.6	75°	65.9	167.2	303.9	445.8	582.6	719.3	815.6	866.2	694.0
30.4	77.5°	40.5	121.6	248.2	359.7	450.9	577.5	638.3	668.7	496.4
20.3	80°	25.3	91.2	207.7	293.8	293.8	425.5	496.4	521.8	359.7
15.2	82.5°	20.3	65.9	162.1	222.9	197.6	319.1	390.1	395.1	253.3
10.1	85°	15.2	50.7	101.3	146.9	136.8	222.9	228.0	253.3	167.2
10.1	87.5°	10.1	30.4	60.8	86.1	76.0	106.4	121.6	136.8	91.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
47116.6
45733.6
44968.7
43849.2
41751.9
39497.7
36883.8
34269.8
31392.5
28616.4
25820.1
23307.5
20805.0
18363.4
16099.0
13925.8
11762.7
9604.7
7715.1
6322.1
5207.6
4305.9
3581.5
3014.1
2548.1
2163.1
1838.9
1565.3
1296.8
927.0
658.5
466.0
334.3
233.0
152.0
81.1
0.0

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