

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: P638469

Luminaire Tested: **IFLD-L-SA7B-750-U-LAM-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P638469
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-750-U-LAM-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/
Lambertian distribution lens and Visor
Light Source: (112) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26848.4 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G3

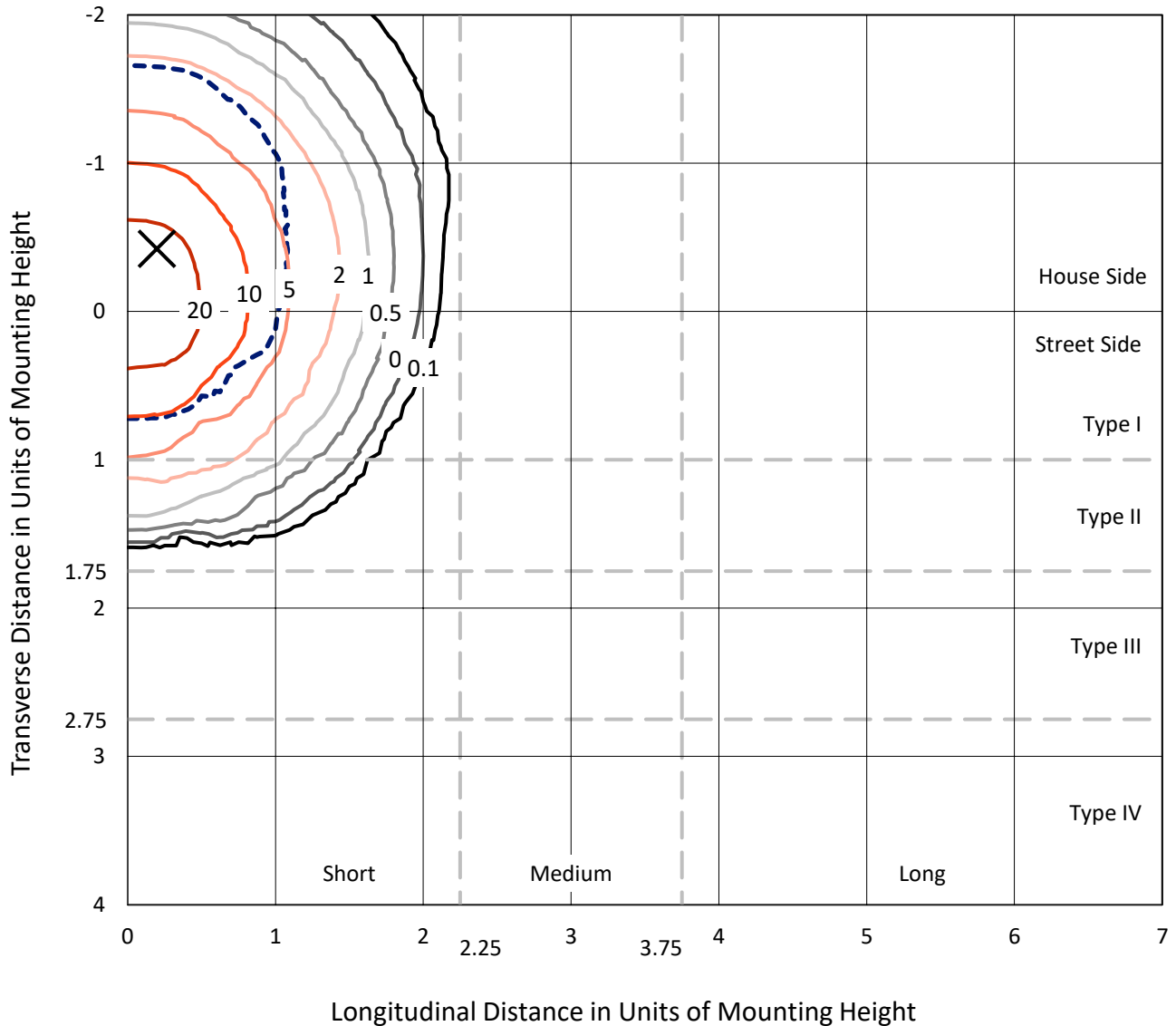
Input Watts (W): 281
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

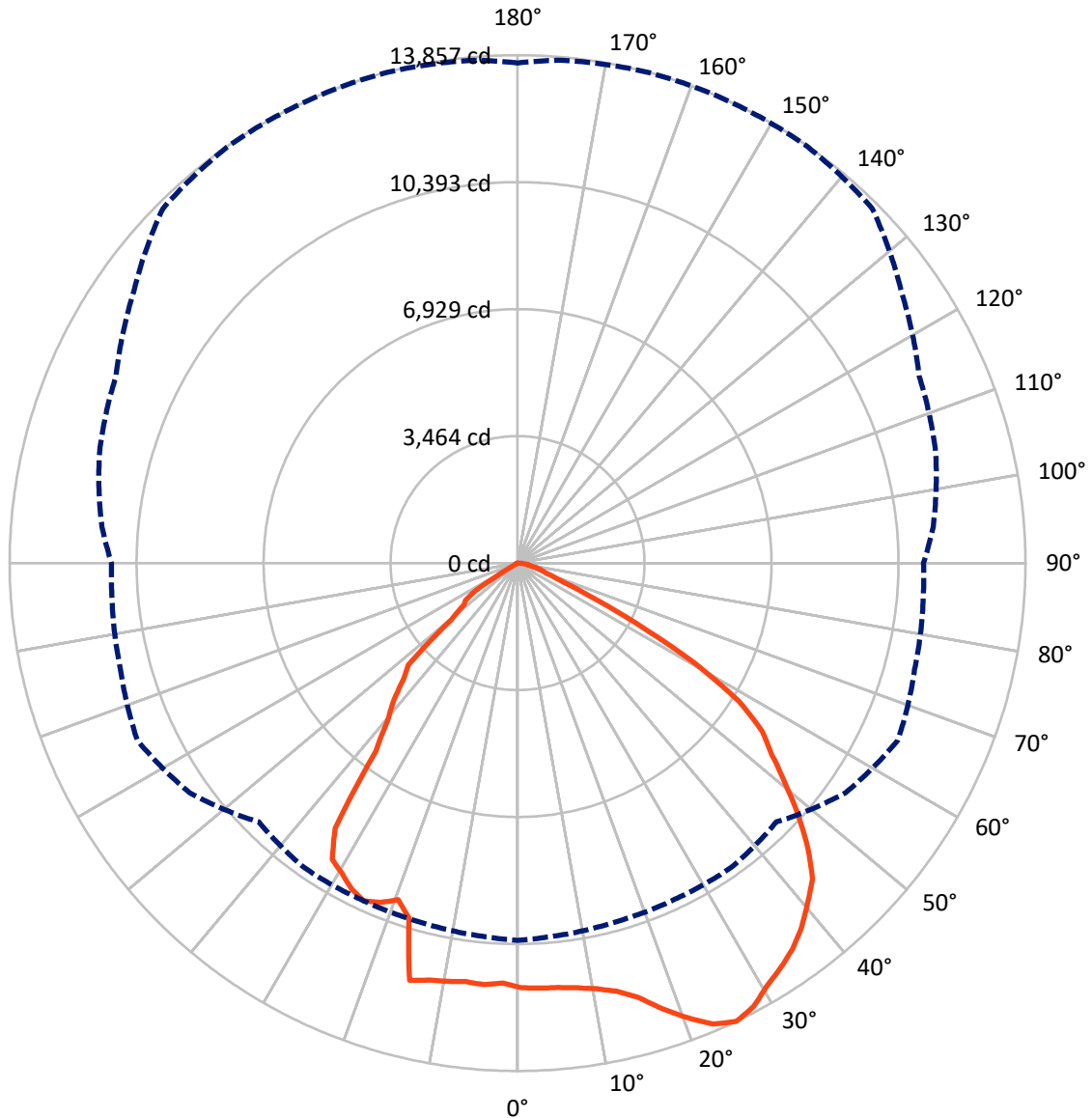
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 29 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 155-Deg Lateral - - - Horizontal Cone Through 25-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16621.9	0.0	16621.9
	% Fixture	61.9	0.0	61.9
Street Side	Lumens	10226.5	0.0	10226.5
	% Fixture	38.1	0.0	38.1
Total	Lumens	26848.4	0.0	26848.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1111.4	4.1
10°-20°	3393.6	12.6
20°-30°	5365.1	20.0
30°-40°	6060.3	22.6
40°-50°	5675.6	21.1
50°-60°	3912.9	14.6
60°-70°	1051.3	3.9
70°-80°	219.1	0.8
80°-90°	59.3	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°	26848.4	100.0
0°-180°	26848.4	100.0



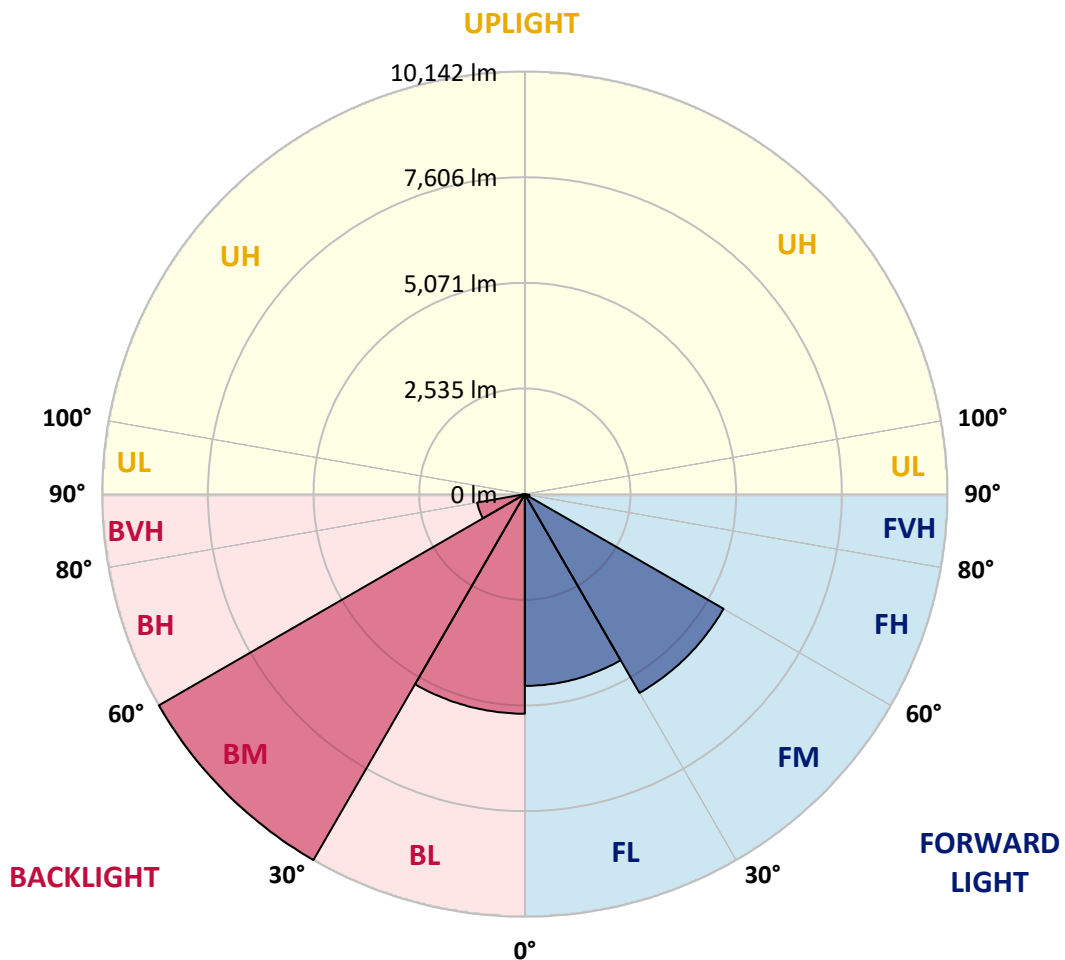
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4601.0	17.1			
FM (30°-60°)	5507.2	20.5			
FH (60°-80°)	110.4	0.4			G0/660
FVH (80°-90°)	7.9	0.0			G0/10
BL (0°-30°)	5269.1	19.6	B5		
BM (30°-60°)	10141.6	37.8	B5		
BH (60°-80°)	1160.0	4.3	B3/2500		G3/2500
BVH (80°-90°)	51.3	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-G3

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11584.6	11584.6	11584.6	11584.6	11584.6	11584.6	11584.6	11584.6	11584.6	11584.6
2.5°	11635.9	11561.0	11489.9	11466.3	11564.9	11671.4	11604.4	11608.3	11584.6	11628.0
5°	11722.7	11620.1	11572.8	11537.3	11553.1	11663.6	11568.9	11604.4	11564.9	11616.2
7.5°	11691.2	11620.1	11572.8	11505.7	11557.0	11687.2	11596.5	11600.4	11580.7	11628.0
10°	11671.4	11620.1	11561.0	11568.9	11628.0	11738.5	11667.5	11707.0	11679.3	11707.0
12.5°	11718.8	11663.6	11632.0	11632.0	11683.3	11809.5	11774.0	11809.5	11797.7	11821.4
15°	11272.9	11324.2	11624.1	11758.2	11860.8	11987.1	11971.3	12006.8	12014.7	12050.2
17.5°	9509.2	9457.9	9434.2	10124.7	11959.5	12350.1	12338.3	12334.3	12294.9	12267.2
20°	9742.0	9722.3	9694.6	9745.9	9951.1	12539.5	12618.4	12133.1	11991.0	11979.2
22.5°	10112.9	10081.3	9978.7	9982.7	10045.8	10902.0	12227.8	11785.9	11738.5	11710.9
25°	10294.4	10231.3	10148.4	10124.7	10144.4	9986.6	10921.8	11446.5	11213.7	11107.2
27.5°	9974.8	9978.7	9911.7	9974.8	9899.8	9189.6	8791.1	10783.7	10775.8	10728.4
30°	9734.1	9722.3	9643.3	9722.3	9205.4	8412.3	8242.6	10057.6	9974.8	9911.7
32.5°	8996.2	9004.1	9233.0	9540.8	8692.4	8065.1	7552.1	8984.4	9769.6	9734.1
35°	6435.5	6451.3	7264.1	8783.2	7915.1	7374.6	7335.1	7765.2	9446.1	9461.8
37.5°	6194.8	6194.8	6175.1	6423.6	7303.5	7094.4	7173.3	7129.9	8653.0	8692.4
40°	6021.2	5985.7	5958.0	5567.4	5078.1	6897.1	6952.4	6755.1	8179.5	8187.4
42.5°	5812.0	5772.6	5780.5	5058.4	4545.5	6407.9	6254.0	5989.6	7390.3	7398.2
45°	5429.3	5496.4	5543.7	4427.1	4387.6	4577.0	5768.6	5602.9	6857.7	7003.7
47.5°	2762.0	2821.2	4328.5	4072.0	4162.7	4068.0	4873.0	4876.9	5705.5	6190.8
50°	2505.5	2489.8	2493.7	2375.3	3843.1	3290.7	3523.5	4470.5	4569.1	5263.6
52.5°	2335.9	2331.9	2091.2	1858.4	2414.8	2896.2	2556.8	3235.5	3397.3	4458.7
55°	1728.2	1854.5	1649.3	1748.0	1511.2	2320.1	2308.2	2919.8	2975.1	3574.8
57.5°	15.8	19.7	47.3	1329.7	1045.6	1160.0	1594.1	1992.6	2091.2	2785.7
60°	3.9	7.9	19.7	39.5	678.7	714.2	1065.3	1152.2	1298.1	1661.1
62.5°	0.0	0.0	7.9	19.7	35.5	292.0	339.3	370.9	572.1	848.3
65°	0.0	0.0	3.9	11.8	19.7	47.3	82.9	173.6	248.6	307.8
67.5°	0.0	0.0	3.9	7.9	15.8	23.7	47.3	67.1	106.5	181.5
70°	0.0	0.0	3.9	7.9	11.8	19.7	31.6	47.3	63.1	90.8
72.5°	0.0	0.0	3.9	7.9	7.9	23.7	23.7	35.5	47.3	59.2
75°	0.0	0.0	3.9	3.9	7.9	15.8	23.7	27.6	31.6	47.3
77.5°	0.0	0.0	3.9	7.9	11.8	15.8	19.7	31.6	27.6	27.6
80°	0.0	0.0	3.9	11.8	11.8	19.7	23.7	31.6	19.7	19.7
82.5°	0.0	0.0	3.9	15.8	11.8	39.5	39.5	43.4	15.8	15.8
85°	0.0	0.0	11.8	7.9	23.7	39.5	35.5	23.7	19.7	11.8
87.5°	0.0	0.0	3.9	3.9	7.9	11.8	27.6	23.7	7.9	7.9
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°
11584.6	0°	11584.6	11584.6	11584.6	11584.6	11584.6	11584.6	11584.6	11584.6	11584.6
11513.6	2.5°	11671.4	11620.1	11726.7	11714.8	11663.6	11639.9	11612.3	11588.6	11415.0
11521.5	5°	11675.4	11596.5	11726.7	11703.0	11695.1	11655.7	11632.0	11667.5	11509.7
11553.1	7.5°	11675.4	11596.5	11738.5	11746.4	11734.6	11703.0	11699.1	11722.7	11592.5
11608.3	10°	11754.3	11722.7	11841.1	11852.9	11837.2	11829.3	11809.5	11793.8	11655.7
11797.7	12.5°	11920.0	11856.9	11991.0	12026.6	12014.7	12034.4	11987.1	12010.8	11868.7
11991.0	15°	12121.3	12125.2	12227.8	12306.7	12298.8	12361.9	12290.9	12354.1	12251.5
12212.0	17.5°	12429.0	12472.4	12618.4	12736.8	12780.2	12827.5	12780.2	12799.9	12653.9
11967.4	20°	12105.5	12267.2	12969.6	13186.6	13277.4	13320.8	13241.8	13265.5	13119.5
11667.5	22.5°	11813.5	12022.6	12646.0	13324.7	13604.8	13691.7	13664.0	13660.1	13604.8
11075.6	25°	11383.4	11805.6	12085.7	12803.9	13683.8	13841.6	13857.4	13853.4	13770.6
10712.6	27.5°	10854.7	10949.4	11675.4	12113.4	13131.4	13731.1	13707.4	13593.0	13482.5
9959.0	30°	10180.0	10610.0	10937.5	11635.9	12417.2	13391.8	13391.8	13305.0	13190.5
9690.7	32.5°	9836.7	10393.0	10696.9	10949.4	11616.2	13013.0	13170.8	13080.1	12989.3
9481.6	35°	9655.2	9738.0	10448.3	10677.1	11241.4	12283.0	12922.2	12831.5	12764.4
8925.2	37.5°	9256.7	9450.0	9781.4	10393.0	10566.6	11687.2	12590.8	12543.4	12464.5
8203.2	40°	8368.9	8885.8	9394.8	9974.8	10156.3	10921.8	12188.3	12208.1	12101.5
7433.7	42.5°	7844.1	8195.3	8992.3	9382.9	9872.2	10428.5	11797.7	11829.3	11754.3
7043.1	45°	7228.6	7619.2	8179.5	8889.7	9556.5	9749.9	11107.2	11438.6	11375.5
6265.8	47.5°	6664.3	6980.0	7666.5	8384.7	9122.5	9094.9	10314.1	10937.5	10850.7
5670.0	50°	5863.3	6415.7	6739.3	7398.2	8499.1	8574.1	9469.7	10349.6	10278.6
4817.7	52.5°	4944.0	5638.4	6257.9	6861.6	7867.8	8045.3	8684.5	9749.9	9702.5
3681.4	55°	4320.6	4825.6	5524.0	6009.3	7102.3	7575.8	8096.6	9177.7	9154.1
3026.4	57.5°	3073.7	4048.3	4624.4	5303.0	5879.1	6735.3	7122.0	8013.8	7792.8
1676.9	60°	2083.3	2541.0	3243.4	3973.3	4360.0	5216.2	5575.3	6289.5	6230.3
1002.2	62.5°	1100.9	1523.0	2024.2	2391.1	2671.3	3503.8	3653.7	4423.2	4403.4
402.5	65°	485.3	643.2	1096.9	1286.3	1574.3	1961.0	2091.2	2367.4	2300.4
197.3	67.5°	252.5	382.7	619.5	761.5	958.8	1104.8	1211.3	1298.1	1353.4
130.2	70°	153.9	280.1	382.7	528.7	658.9	777.3	860.2	978.5	1049.6
67.1	72.5°	114.4	177.6	264.4	406.4	477.4	615.5	698.4	785.2	848.3
55.2	75°	63.1	118.4	213.1	319.6	382.7	501.1	576.1	635.3	655.0
31.6	77.5°	39.5	90.8	177.6	248.6	299.9	406.4	386.7	441.9	489.3
23.7	80°	27.6	67.1	138.1	205.2	209.1	260.4	307.8	355.1	386.7
15.8	82.5°	19.7	55.2	102.6	157.8	138.1	201.2	240.7	276.2	201.2
11.8	85°	15.8	39.5	51.3	94.7	78.9	142.0	122.3	118.4	78.9
7.9	87.5°	11.8	19.7	35.5	43.4	31.6	31.6	39.5	47.3	39.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
11584.6
11296.6
11375.5
11442.6
11541.2
11742.5
12081.8
12527.7
13016.9
13427.3
13644.3
13395.7
13147.1
12914.3
12669.7
12385.6
12077.9
11746.4
11383.4
10913.9
10290.4
9734.1
9181.7
7769.1
6234.2
4407.4
2272.7
1353.4
1053.5
860.2
643.2
497.2
390.6
146.0
78.9
39.5
0.0

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