

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: P637937

Luminaire Tested: **IFLD-S-SA6B-750-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637937
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-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: 28790.7 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G2

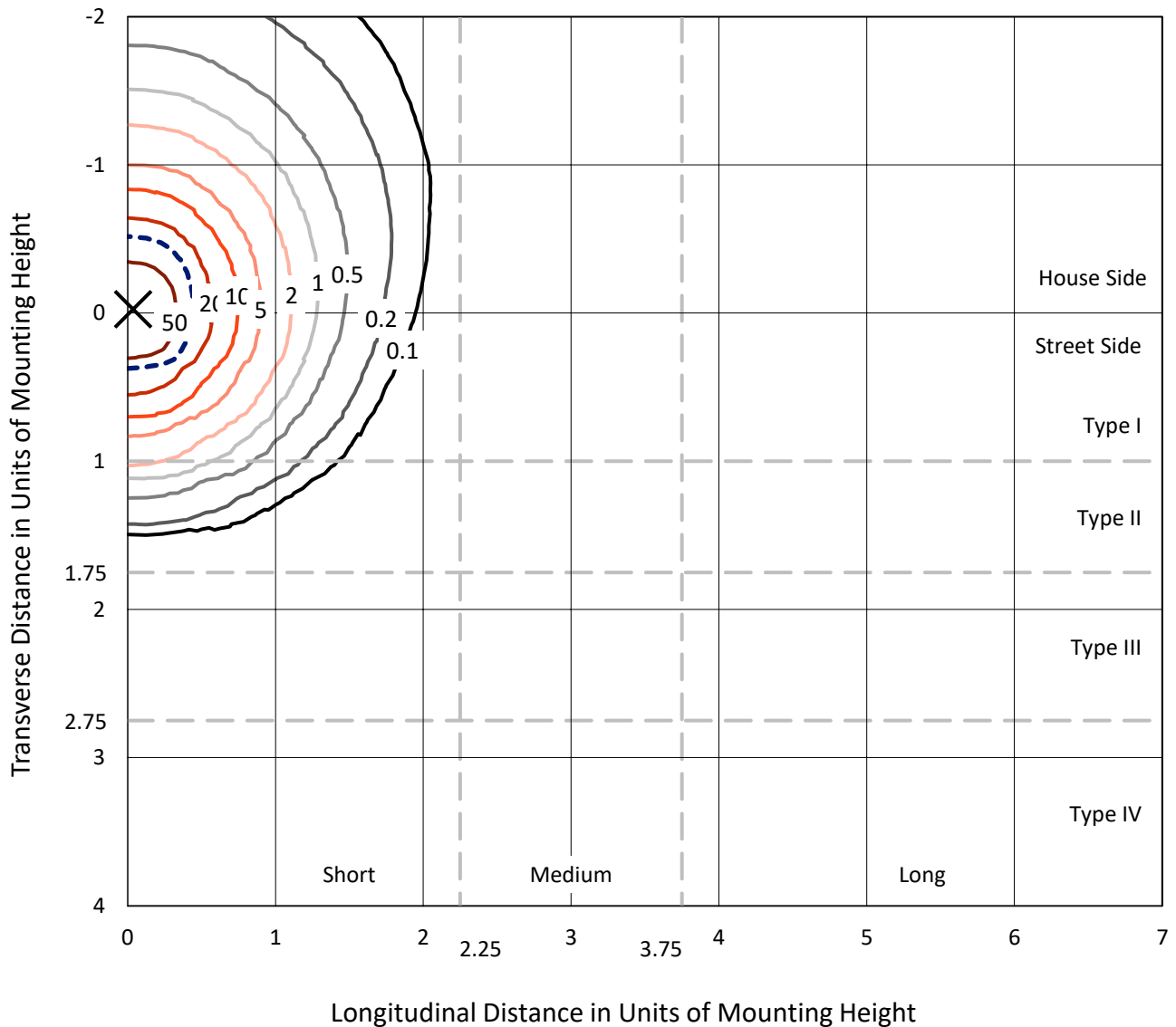
Input Watts (W): 244.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

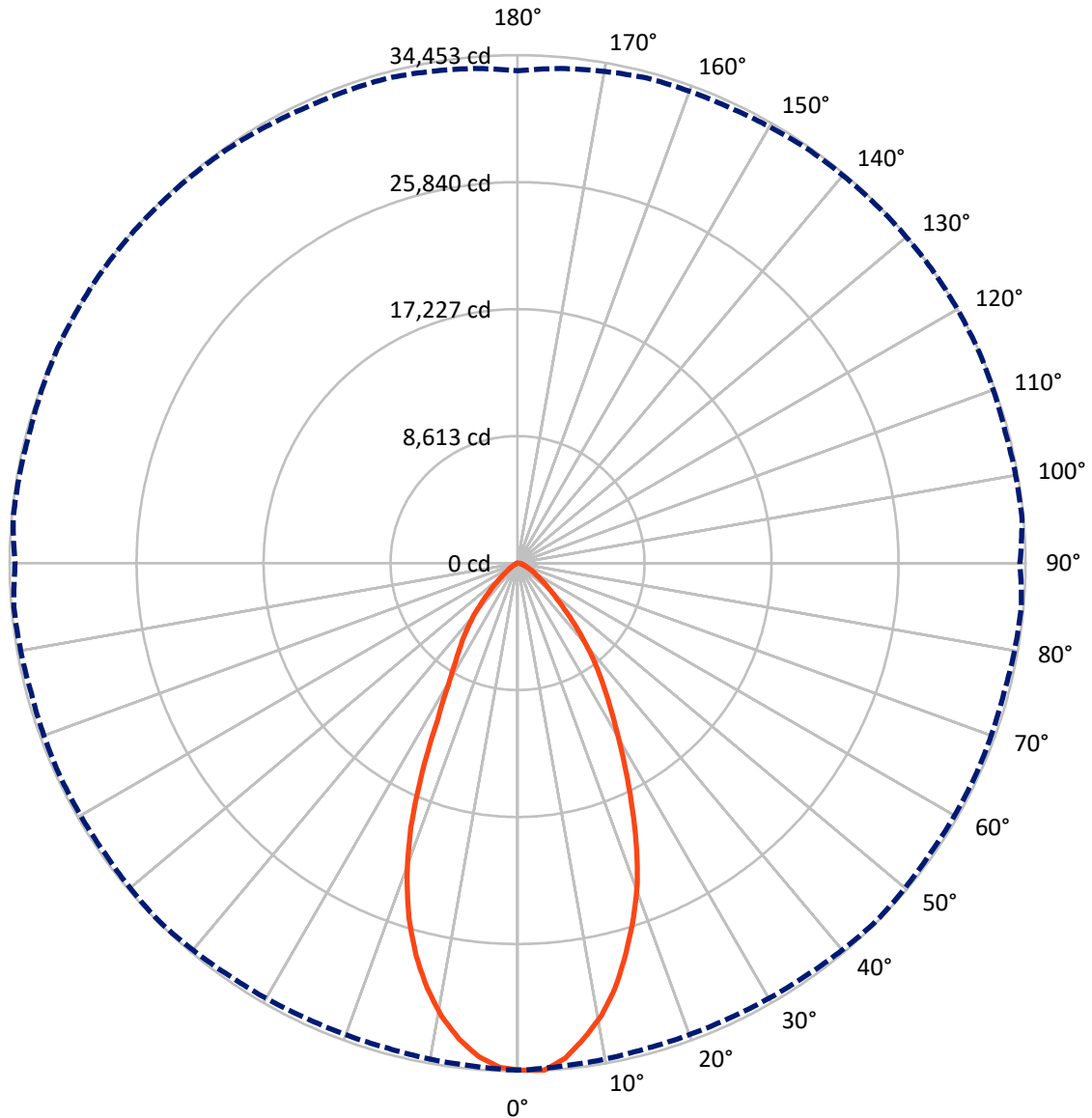
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 86 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	16337.0	0.0	16337.0
	% Fixture	56.7	0.0	56.7
Street Side	Lumens	12453.7	0.0	12453.7
	% Fixture	43.3	0.0	43.3
Total	Lumens	28790.7	0.0	28790.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3123.5	10.8
10°-20°	7445.6	25.9
20°-30°	7583.2	26.3
30°-40°	5654.8	19.6
40°-50°	2954.2	10.3
50°-60°	1242.6	4.3
60°-70°	507.5	1.8
70°-80°	213.6	0.7
80°-90°	65.8	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°	28790.7	100.0
0°-180°	28790.7	100.0



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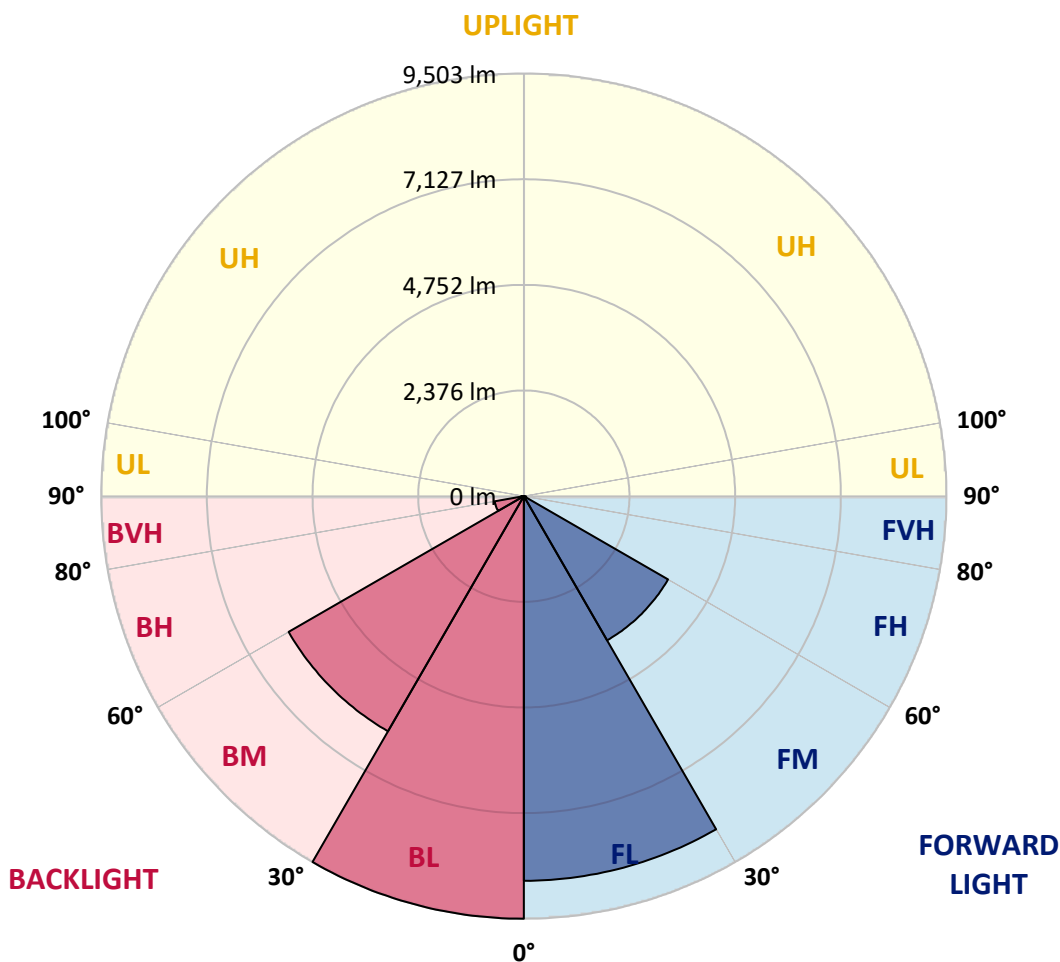
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8649.1	30.0			
FM (30°-60°)	3744.3	13.0			
FH (60°-80°)	54.2	0.2			G0/660
FVH (80°-90°)	6.1	0.0			G0/10
BL (0°-30°)	9503.2	33.0	B5		
BM (30°-60°)	6107.2	21.2	B4/8500		
BH (60°-80°)	666.8	2.3	B2/1000		G2/1000
BVH (80°-90°)	59.7	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°	34397.9	34397.9	34397.9	34397.9	34397.9	34397.9	34397.9	34397.9	34397.9	34397.9
2.5°	34401.6	34261.1	34061.4	34042.9	34146.4	34372.0	34227.8	34235.2	34146.4	34298.1
5°	33861.7	33728.5	33591.7	33410.5	33562.1	33658.3	33584.3	33502.9	33388.3	33536.2
7.5°	32840.9	32767.0	32563.6	32482.2	32574.7	32681.9	32522.9	32500.7	32341.7	32534.0
10°	31280.2	31250.7	31051.0	31002.9	31084.2	31247.0	31176.7	31161.9	31062.0	31043.6
12.5°	29660.4	29545.7	29298.0	29283.2	29405.2	29649.3	29460.7	29279.5	29334.9	29383.0
15°	25488.7	25366.7	25980.6	26945.8	27452.5	27434.0	27489.5	27271.3	27204.7	27226.9
17.5°	20263.0	20055.9	20277.8	21771.9	24179.5	25577.5	25192.8	24723.2	24471.7	24305.2
20°	17489.3	17500.4	17459.7	17844.3	19345.8	22533.8	22441.3	21535.2	21206.1	21069.2
22.5°	15802.8	15740.0	15651.2	15773.3	16176.4	18047.7	19301.4	18469.3	18354.7	18203.0
25°	14149.7	14149.7	14042.5	14164.5	14279.1	14305.0	15562.5	15902.7	15680.8	15680.8
27.5°	12718.5	12644.5	12596.4	12651.9	12500.3	11771.7	11930.7	13672.6	13521.0	13428.5
30°	11298.3	11276.1	11194.8	11268.7	10706.6	9885.6	9552.7	11538.7	11697.7	11664.4
32.5°	9327.1	9415.9	9778.3	9893.0	8931.4	8269.4	7951.4	9578.6	10214.7	10188.8
35°	6338.9	6412.9	6827.1	8195.4	7404.0	6930.6	6838.2	7618.5	8665.1	8765.0
37.5°	5048.2	5037.1	5155.4	5399.5	5950.6	5835.9	5810.0	6013.4	7067.5	7111.8
40°	4160.6	4145.8	4142.1	3942.4	3805.6	4852.2	4781.9	4659.9	5573.3	5662.1
42.5°	3354.4	3369.2	3380.2	2943.8	2744.1	3742.7	3702.0	3576.3	4371.4	4474.9
45°	2633.2	2629.5	2651.7	2193.1	2137.6	2392.8	2766.3	2666.5	3298.9	3409.8
47.5°	1364.7	1412.8	1712.3	1697.5	1723.4	1697.5	2093.2	2067.4	2481.6	2659.1
50°	917.2	932.0	957.9	961.6	1357.3	1250.0	1420.1	1608.8	1738.2	2011.9
52.5°	710.1	721.2	654.6	613.9	832.1	924.6	932.0	1113.2	1213.0	1490.4
55°	395.7	443.8	477.1	480.8	458.6	684.2	680.5	824.7	902.4	1087.3
57.5°	51.8	62.9	96.2	310.7	307.0	380.9	477.1	599.1	643.5	795.1
60°	3.7	7.4	11.1	48.1	203.4	221.9	325.5	373.5	447.5	558.4
62.5°	0.0	0.0	3.7	11.1	40.7	129.4	170.1	196.0	262.6	366.1
65°	0.0	0.0	3.7	7.4	14.8	48.1	66.6	107.3	155.3	225.6
67.5°	0.0	0.0	3.7	7.4	11.1	18.5	29.6	48.1	81.4	136.8
70°	0.0	0.0	3.7	7.4	11.1	14.8	22.2	29.6	44.4	74.0
72.5°	0.0	0.0	3.7	3.7	7.4	18.5	18.5	22.2	29.6	40.7
75°	0.0	0.0	3.7	7.4	11.1	18.5	18.5	18.5	22.2	25.9
77.5°	0.0	0.0	3.7	7.4	11.1	18.5	14.8	18.5	18.5	18.5
80°	0.0	0.0	3.7	7.4	11.1	18.5	22.2	18.5	14.8	14.8
82.5°	0.0	0.0	3.7	11.1	11.1	25.9	25.9	25.9	11.1	11.1
85°	0.0	0.0	7.4	11.1	18.5	29.6	29.6	22.2	11.1	7.4
87.5°	0.0	0.0	3.7	7.4	7.4	14.8	22.2	18.5	7.4	3.7
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°
34397.9	0°	34397.9	34397.9	34397.9	34397.9	34397.9	34397.9	34397.9	34397.9	34397.9
34076.2	2.5°	34349.8	34257.4	34431.2	34453.4	34379.4	34287.0	34072.5	34054.0	33680.4
33321.7	5°	33698.9	33547.3	33658.3	33732.2	33706.3	33606.5	33517.7	33436.4	33099.8
32097.6	7.5°	32485.9	32430.4	32482.2	32537.7	32644.9	32537.7	32500.7	32415.6	32082.8
30891.9	10°	31139.7	31036.2	31232.2	31206.3	31176.7	31147.1	30991.8	31006.6	30614.6
29249.9	12.5°	29486.6	29312.7	29501.4	29523.6	29501.4	29397.8	29224.0	29298.0	28939.2
27030.9	15°	27263.9	27245.4	27382.2	27471.0	27533.9	27422.9	27363.7	27400.7	27186.2
24175.8	17.5°	24534.5	24774.9	25222.4	25374.1	25377.8	25492.4	25459.1	25414.7	25255.7
21013.8	20°	21324.4	21786.7	22474.6	23181.0	23384.4	23288.2	23243.8	23325.2	23088.5
18044.0	22.5°	18362.1	18757.8	19556.6	20588.5	21183.9	21243.1	21232.0	21161.7	21069.2
15666.0	25°	15847.2	16198.6	16964.1	17907.2	19050.0	19220.1	19227.5	19205.3	19123.9
13509.9	27.5°	13724.4	14149.7	14571.3	15414.5	16631.3	17333.9	17245.2	17219.3	17189.7
11690.3	30°	11801.3	12337.5	12733.3	13258.4	14349.4	15299.9	15392.3	15348.0	15277.7
10185.1	32.5°	10277.6	10595.6	11098.6	11453.6	12237.7	13313.9	13668.9	13635.6	13572.8
8827.8	35°	8953.6	9079.3	9475.1	9870.8	10392.2	11435.2	11960.3	11886.3	11875.3
7193.2	37.5°	7374.4	7796.0	8014.2	8413.6	8779.8	9589.7	10314.6	10281.3	10285.0
5784.1	40°	5954.3	6198.4	6631.1	6967.6	7304.1	7895.9	8702.1	8724.3	8716.9
4478.6	42.5°	4571.1	4807.8	5262.7	5628.8	5928.4	6294.5	7063.8	7089.6	7122.9
3487.5	45°	3568.9	3720.5	4053.3	4434.3	4752.3	4974.2	5558.5	5725.0	5728.7
2703.5	47.5°	2770.0	2943.8	3180.5	3546.7	3857.3	4016.4	4441.7	4667.3	4656.2
2074.7	50°	2174.6	2333.6	2525.9	2814.4	3151.0	3276.7	3591.1	3813.0	3801.9
1564.4	52.5°	1664.2	1867.6	2037.8	2259.7	2588.8	2696.1	2921.7	3176.8	3139.9
1146.5	55°	1261.1	1468.2	1627.3	1812.2	2111.7	2248.6	2403.9	2607.3	2614.7
887.6	57.5°	950.5	1165.0	1309.2	1497.8	1723.4	1875.0	1993.4	2211.6	2207.9
606.5	60°	680.5	865.4	1039.2	1235.2	1409.1	1582.9	1664.2	1871.3	1878.7
429.0	62.5°	491.9	665.7	832.1	1002.2	1157.6	1327.7	1401.7	1564.4	1586.6
281.1	65°	343.9	466.0	658.3	787.7	961.6	1087.3	1183.5	1324.0	1349.9
166.4	67.5°	221.9	336.5	521.5	636.1	795.1	902.4	1002.2	1113.2	1146.5
107.3	70°	133.1	255.2	388.3	510.4	654.6	750.8	846.9	943.1	961.6
51.8	72.5°	85.1	177.5	281.1	414.2	525.2	628.7	713.8	784.0	728.6
33.3	75°	48.1	122.0	221.9	325.5	425.3	525.2	595.4	632.4	506.7
22.2	77.5°	29.6	88.8	181.2	262.6	329.1	421.6	466.0	488.2	362.4
14.8	80°	18.5	66.6	151.6	214.5	214.5	310.7	362.4	380.9	262.6
11.1	82.5°	14.8	48.1	118.3	162.7	144.2	233.0	284.8	288.5	184.9
7.4	85°	11.1	37.0	74.0	107.3	99.9	162.7	166.4	184.9	122.0
7.4	87.5°	7.4	22.2	44.4	62.9	55.5	77.7	88.8	99.9	66.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
34397.9
33388.3
32829.8
32012.5
30481.4
28835.7
26927.3
25019.0
22918.4
20891.7
18850.2
17015.9
15188.9
13406.3
11753.2
10166.6
8587.5
7012.0
5632.5
4615.5
3801.9
3143.6
2614.7
2200.5
1860.2
1579.2
1342.5
1142.8
946.8
676.8
480.8
340.2
244.1
170.1
110.9
59.2
0.0

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