

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: P637011

Luminaire Tested: **IFLD-S-SA6D-722-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637011
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-722-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (96) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33492.8 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

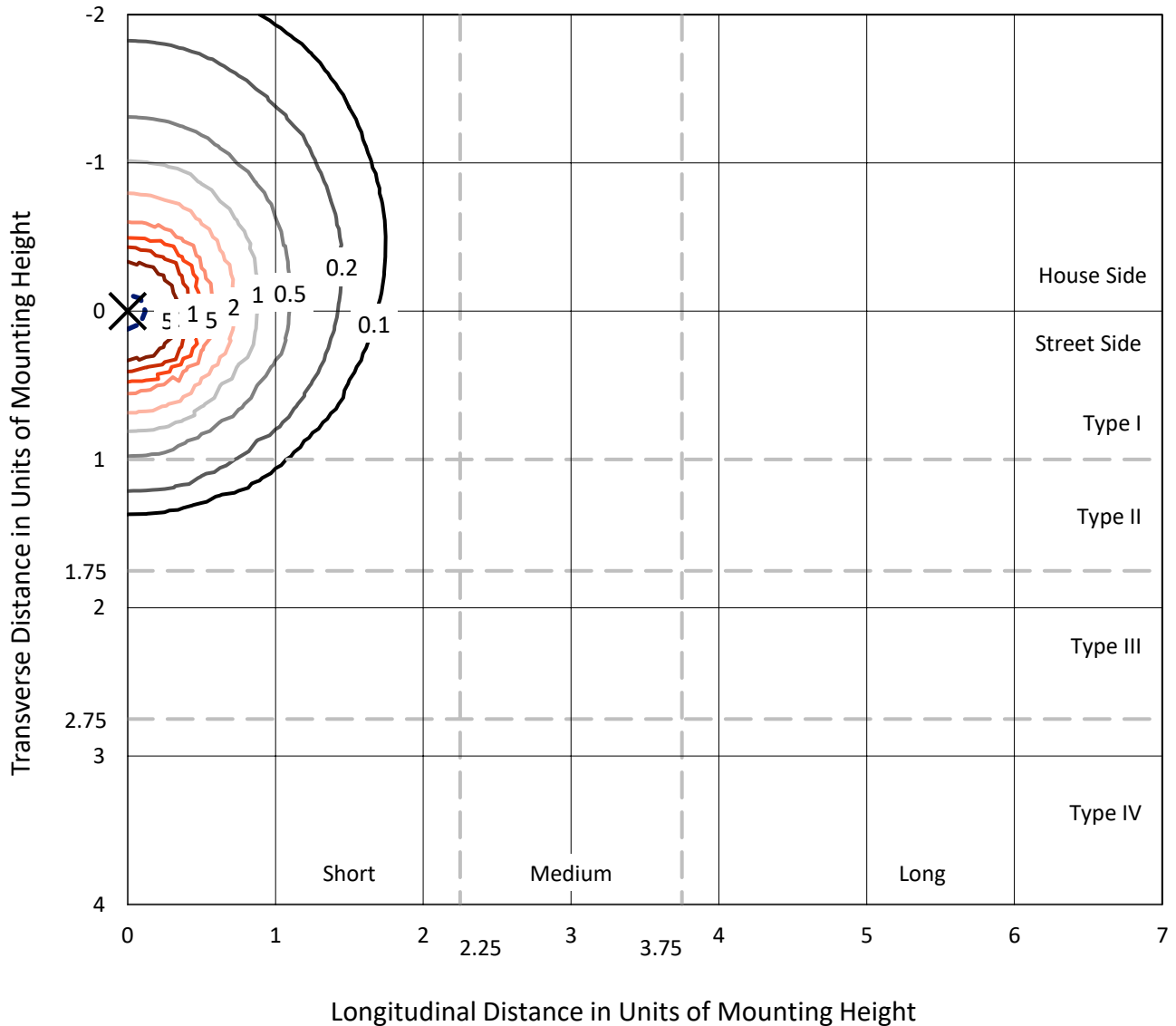
Input Watts (W): 368.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

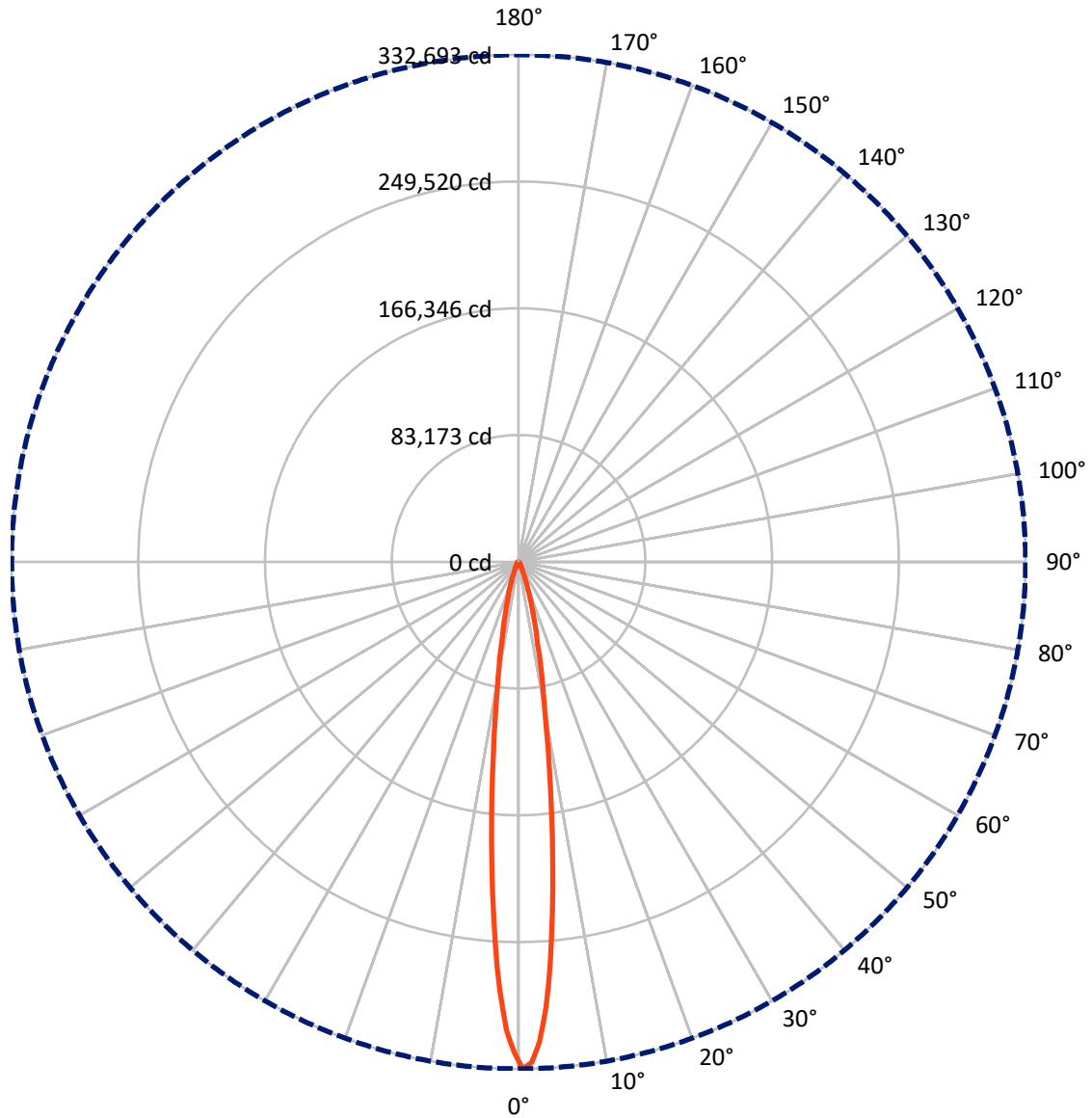
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 831.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17154.4	0.0	17154.4
	% Fixture	51.2	0.0	51.2
Street Side	Lumens	16338.4	0.0	16338.4
	% Fixture	48.8	0.0	48.8
Total	Lumens	33492.8	0.0	33492.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16908.2	50.5
10°-20°	10824.6	32.3
20°-30°	3253.6	9.7
30°-40°	1059.4	3.2
40°-50°	616.4	1.8
50°-60°	409.4	1.2
60°-70°	246.4	0.7
70°-80°	126.7	0.4
80°-90°	48.1	0.1
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°	33492.8	100.0
0°-180°	33492.8	100.0

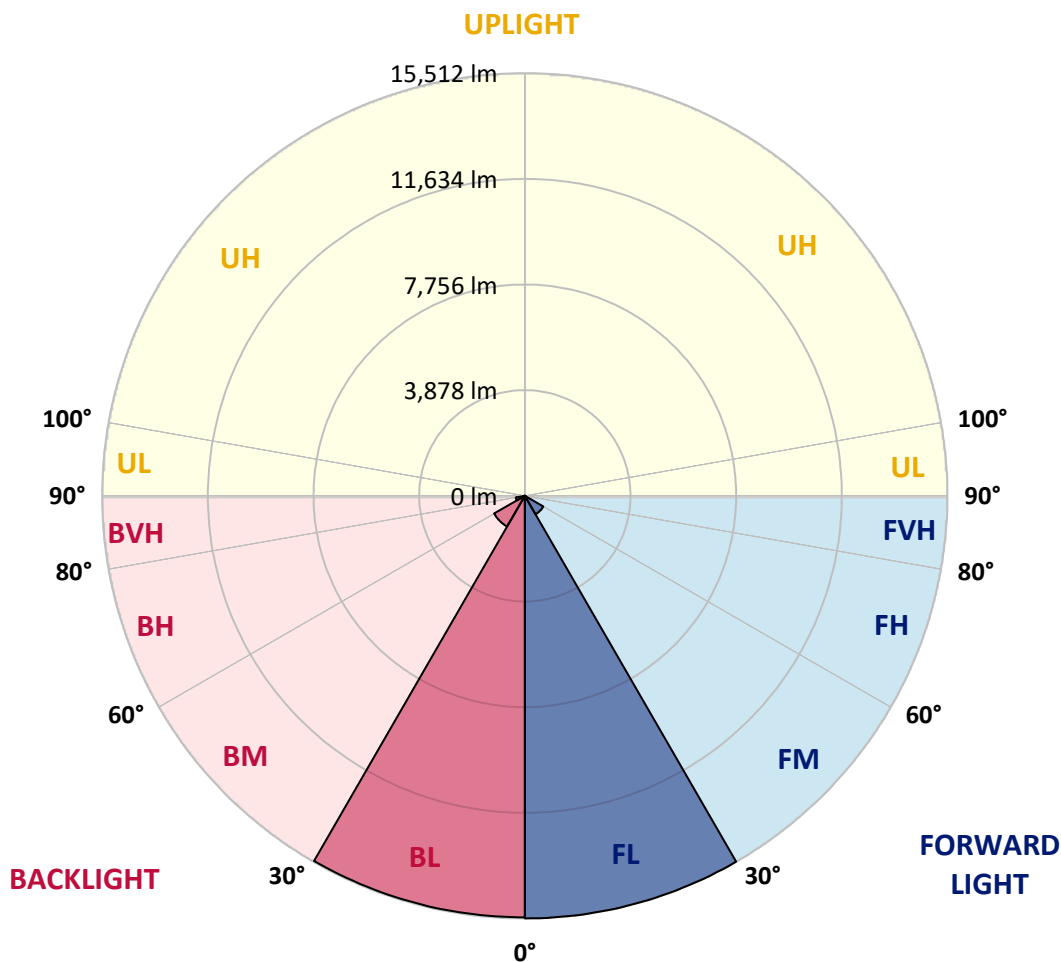


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	15511.6	46.3			
FM (30°-60°)	782.8	2.3			
FH (60°-80°)	36.8	0.1			G0/660
FVH (80°-90°)	7.3	0.0			G0/10
BL (0°-30°)	15474.8	46.2	B5		
BM (30°-60°)	1302.5	3.9	B2/2500		
BH (60°-80°)	336.3	1.0	B1/500		G0/660
BVH (80°-90°)	40.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	332692.7	332692.7	332692.7	332692.7	332692.7	332692.7	332692.7	332692.7	332692.7	332692.7
1°	328709.2	327706.0	325116.0	326958.2	328577.8	328107.3	328074.4	327899.3	327654.9	329573.7
2°	315569.4	314920.1	311089.8	312669.3	314971.2	313293.1	314343.7	313420.8	313439.0	315729.9
3°	293419.3	293773.2	287662.9	290533.8	293733.0	289665.6	290927.8	293298.9	290814.7	290066.9
4°	264630.0	261558.5	258220.7	261139.0	261967.1	259599.6	261926.9	264830.7	261379.8	261533.0
5°	231762.4	229493.4	225542.7	227344.8	225291.0	226038.8	229526.2	230722.8	228315.1	225283.7
6°	197968.2	196355.8	191416.6	194013.9	193284.3	192861.1	197264.2	193616.3	194929.5	193094.6
7°	164670.1	161657.0	159231.1	161719.0	161879.5	160606.4	166322.6	165658.7	163269.3	162714.8
8°	136431.7	133425.8	131372.0	133225.2	134436.3	132437.2	135125.7	136891.3	135023.6	135191.4
9°	110039.1	109510.1	106653.8	109076.0	110392.9	108251.6	111228.3	111866.7	110119.3	110969.3
10°	90351.3	89734.8	87454.9	88436.2	90617.6	88064.1	90920.4	91128.3	89734.8	90132.5
12.5°	55834.8	55586.8	55524.8	55667.0	55637.9	56090.2	56819.8	55988.1	55878.6	54503.4
15°	36088.7	36457.2	36077.8	36807.4	36913.2	37340.0	36894.9	36223.7	34943.3	34308.6
17.5°	22522.2	22992.8	23642.1	24710.9	25779.8	25903.8	25312.8	24524.9	23904.7	23226.2
20°	12957.4	13187.2	13088.7	14369.1	17134.2	17885.7	17123.3	16295.2	15547.4	14861.6
22.5°	8050.9	7967.0	8120.2	8550.7	9451.7	11775.4	11151.6	10323.6	9780.0	9214.6
25°	4935.6	5026.8	4968.4	5205.6	5610.5	6595.4	6737.7	6380.2	6102.9	5811.1
27.5°	3177.3	3177.3	3202.9	3334.2	3611.4	3578.6	4337.4	4060.1	3910.6	3768.3
30°	2207.0	2214.3	2214.3	2290.9	2352.9	2243.5	2440.4	2797.9	2728.6	2619.2
32.5°	1637.9	1659.8	1678.0	1718.2	1667.1	1550.4	1597.8	2013.6	1973.5	1933.4
35°	1247.6	1265.8	1309.6	1331.5	1258.5	1185.6	1141.8	1481.0	1499.3	1488.3
37.5°	908.3	919.3	999.5	1083.4	999.5	933.9	908.3	1138.1	1225.7	1214.8
40°	696.8	700.4	715.0	809.8	809.8	758.8	766.1	850.0	1003.2	1003.2
42.5°	598.3	598.3	612.8	598.3	601.9	656.6	674.9	685.8	850.0	850.0
45°	518.0	518.0	525.3	488.8	452.3	565.4	580.0	583.7	715.0	733.2
47.5°	434.1	434.1	448.7	401.3	383.0	448.7	488.8	499.8	616.5	631.1
50°	321.0	324.7	368.4	328.3	339.3	346.6	423.2	430.5	521.7	554.5
52.5°	215.2	215.2	222.5	255.4	295.5	284.5	342.9	368.4	415.9	459.6
55°	175.1	175.1	171.5	164.2	218.9	237.1	251.7	306.4	339.3	394.0
57.5°	120.4	127.7	116.7	135.0	142.3	178.7	189.7	240.8	259.0	332.0
60°	14.6	18.2	25.5	98.5	94.8	120.4	142.3	189.7	211.6	255.4
62.5°	3.6	3.6	7.3	18.2	65.7	80.3	113.1	131.3	153.2	197.0
65°	0.0	0.0	3.6	7.3	14.6	43.8	58.4	76.6	109.4	138.6
67.5°	0.0	0.0	3.6	7.3	7.3	18.2	29.2	47.4	58.4	102.1
70°	0.0	0.0	3.6	7.3	7.3	14.6	18.2	21.9	40.1	54.7
72.5°	0.0	0.0	3.6	7.3	10.9	14.6	18.2	18.2	18.2	36.5
75°	0.0	0.0	3.6	7.3	10.9	14.6	18.2	18.2	14.6	14.6
77.5°	0.0	0.0	3.6	7.3	14.6	18.2	21.9	18.2	10.9	10.9
80°	0.0	0.0	3.6	10.9	18.2	25.5	29.2	21.9	10.9	7.3
82.5°	0.0	0.0	7.3	14.6	21.9	29.2	40.1	32.8	14.6	7.3
85°	0.0	0.0	3.6	10.9	21.9	29.2	58.4	40.1	18.2	3.6
87.5°	0.0	0.0	0.0	3.6	3.6	7.3	21.9	14.6	7.3	3.6
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°
332692.7	0°	332692.7	332692.7	332692.7	332692.7	332692.7	332692.7	332692.7	332692.7
327359.4	1°	329646.7	329876.5	329125.0	330288.7	329880.1	327487.1	326695.5	325758.0
314383.8	2°	313420.8	314591.8	314650.1	315941.5	315923.3	313132.6	312268.1	313862.2
291584.4	3°	290701.6	292065.9	290836.6	293131.1	292441.7	289056.4	288177.3	289986.6
262744.1	4°	261959.8	261700.8	261277.6	259971.7	261580.4	259271.3	257531.2	259986.3
229303.7	5°	228844.1	228267.7	227443.3	227056.6	228253.1	226775.7	223197.1	226783.0
196414.2	6°	196655.0	194174.4	194054.0	193838.8	193959.2	189822.4	190070.5	192740.8
160807.0	7°	162506.9	162962.9	162032.7	163524.7	162386.5	159584.9	158505.2	161317.7
135928.3	8°	134979.8	134403.5	133692.1	135921.0	133947.5	132108.9	130850.4	133072.0
111107.9	9°	110900.0	109904.1	109181.8	109068.7	109375.2	105924.2	106624.6	108306.3
90351.3	10°	90384.2	88749.9	89147.5	89253.3	88917.7	86656.0	86677.9	87257.9
55415.3	12.5°	55218.4	54415.8	54616.4	54725.9	55408.0	54612.8	53489.2	52679.4
34939.6	15°	34706.2	34129.8	35308.1	36099.7	35939.2	35231.5	34702.5	33969.3
23226.2	17.5°	23011.0	23766.1	23769.8	24492.0	24565.0	23857.3	23448.7	22788.5
15106.0	20°	15051.3	15365.0	16018.0	16528.7	16824.1	16284.3	15795.4	15343.1
9418.9	22.5°	9418.9	9966.1	10374.6	11038.6	11308.5	10914.5	10568.0	10199.5
5880.4	25°	5781.9	6172.3	6511.5	7087.9	7456.3	7266.6	6949.3	6690.3
3797.5	27.5°	3855.8	4020.0	4187.8	4585.4	4968.4	4862.7	4735.0	4578.1
2677.6	30°	2717.7	2732.3	2911.0	3133.6	3388.9	3454.6	3396.2	3315.9
1966.2	32.5°	2002.7	2061.1	2145.0	2283.6	2455.0	2611.9	2582.7	2546.2
1502.9	35°	1546.7	1634.3	1703.6	1809.4	1900.6	2050.1	2075.7	2064.7
1236.6	37.5°	1262.2	1338.8	1408.1	1470.1	1546.7	1648.9	1729.1	1732.8
1021.4	40°	1046.9	1116.3	1207.5	1254.9	1309.6	1386.2	1484.7	1492.0
864.6	42.5°	882.8	948.5	1039.7	1098.0	1138.1	1211.1	1309.6	1324.2
740.5	45°	758.8	798.9	893.7	963.0	1003.2	1050.6	1156.4	1171.0
638.4	47.5°	660.3	700.4	758.8	857.3	893.7	937.5	1021.4	1046.9
565.4	50°	580.0	620.1	671.2	758.8	813.5	850.0	919.3	955.8
492.5	52.5°	514.4	554.5	609.2	678.5	740.5	773.4	839.0	886.4
401.3	55°	430.5	499.8	539.9	601.9	685.8	715.0	766.1	828.1
350.2	57.5°	375.7	434.1	492.5	543.5	627.4	663.9	715.0	773.4
277.2	60°	317.4	372.1	441.4	485.2	565.4	612.8	667.6	722.3
211.6	62.5°	251.7	324.7	372.1	434.1	510.7	572.7	616.5	671.2
164.2	65°	186.0	266.3	321.0	386.7	459.6	525.3	561.8	620.1
116.7	67.5°	135.0	207.9	273.6	335.6	404.9	470.6	507.1	558.1
73.0	70°	105.8	153.2	226.2	280.9	353.8	408.6	448.7	481.5
47.4	72.5°	62.0	116.7	182.4	244.4	310.1	346.6	375.7	404.9
21.9	75°	40.1	91.2	149.6	204.3	251.7	284.5	310.1	335.6
10.9	77.5°	25.5	65.7	120.4	171.5	193.3	233.5	255.4	269.9
7.3	80°	14.6	51.1	105.8	138.6	156.9	182.4	204.3	222.5
7.3	82.5°	10.9	43.8	87.5	116.7	116.7	145.9	156.9	156.9
3.6	85°	7.3	36.5	69.3	109.4	87.5	109.4	102.1	102.1
3.6	87.5°	7.3	25.5	32.8	47.4	40.1	47.4	47.4	54.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
332692.7
322044.4
307109.9
281950.3
251100.0
217334.9
184999.9
153668.0
126728.3
103053.3
83310.9
52186.9
33593.6
22624.3
15186.2
10002.6
6540.7
4486.9
3261.2
2517.1
2028.2
1707.2
1481.0
1313.2
1167.3
1050.6
959.4
886.4
831.7
777.0
736.9
696.8
631.1
561.8
492.5
412.2
335.6
262.6
200.6
145.9
98.5
54.7
0.0

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