

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: P636998

Luminaire Tested: **IFLD-S-SA2A-722-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636998
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-722-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6762.9 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

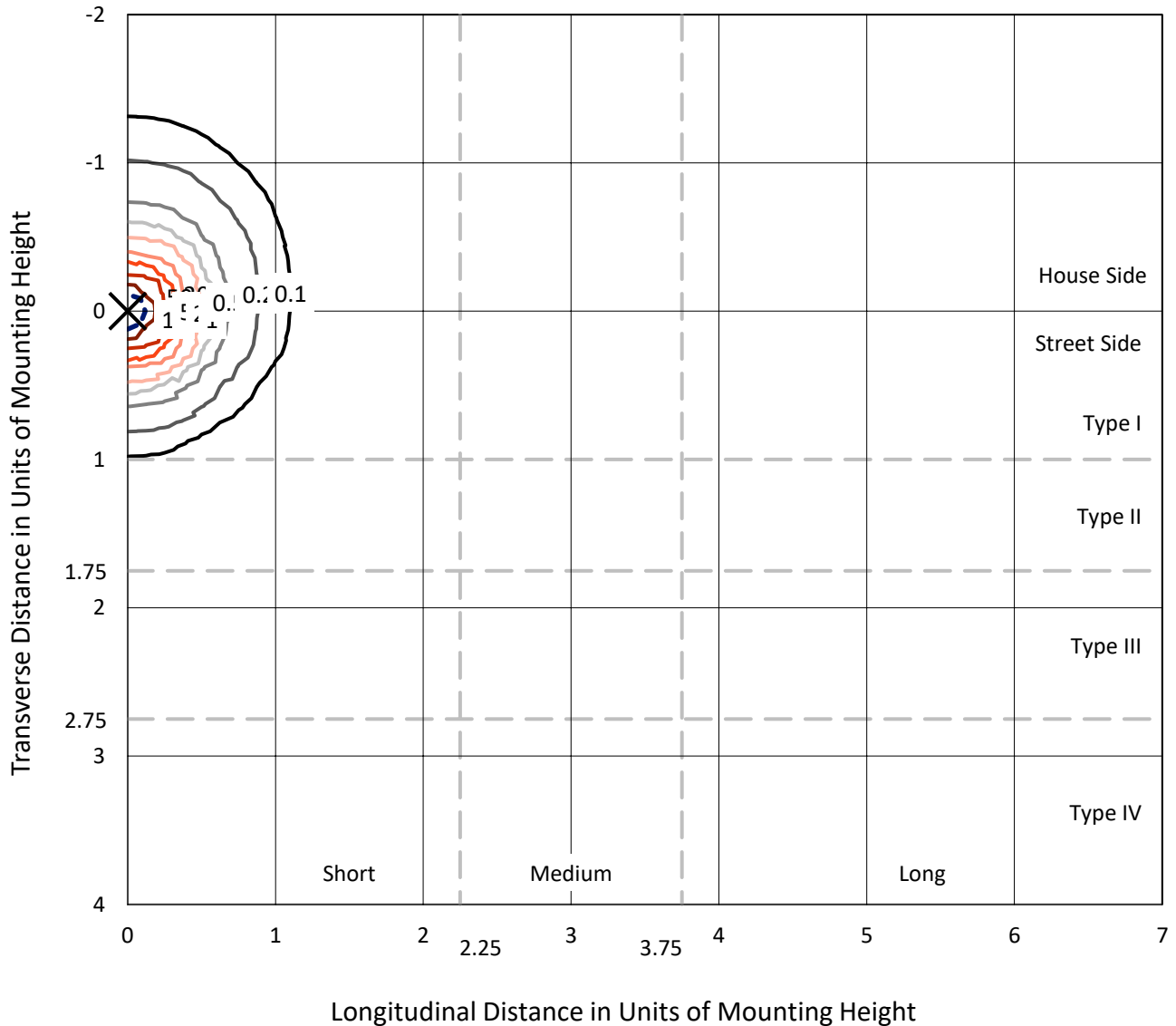
Input Watts (W): 63.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

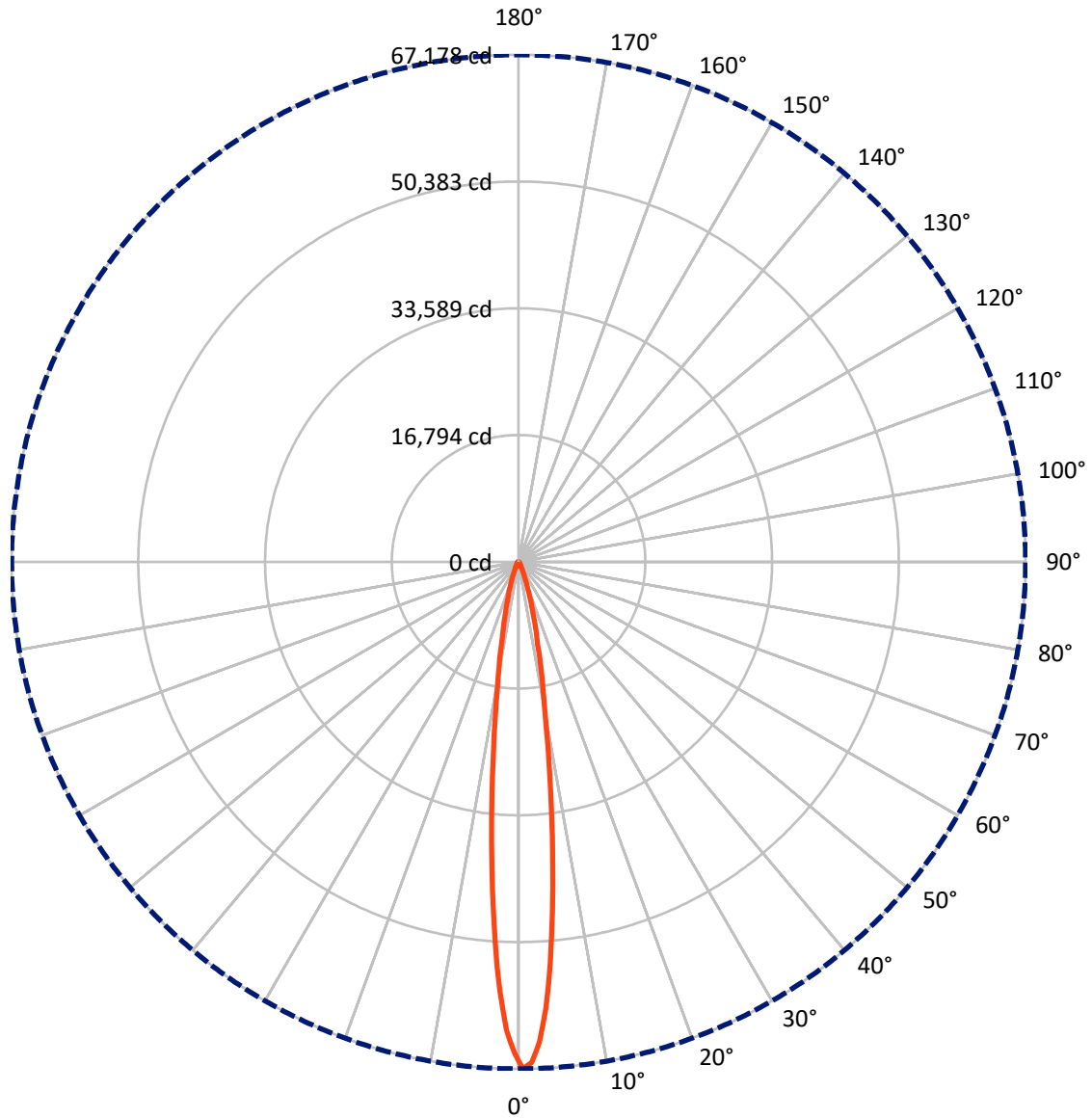
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 167.9 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	3463.8	0.0	3463.8
	% Fixture	51.2	0.0	51.2
Street Side	Lumens	3299.1	0.0	3299.1
	% Fixture	48.8	0.0	48.8
Total	Lumens	6762.9	0.0	6762.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3414.1	50.5
10°-20°	2185.7	32.3
20°-30°	657.0	9.7
30°-40°	213.9	3.2
40°-50°	124.5	1.8
50°-60°	82.7	1.2
60°-70°	49.8	0.7
70°-80°	25.6	0.4
80°-90°	9.7	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°	6762.9	100.0
0°-180°	6762.9	100.0

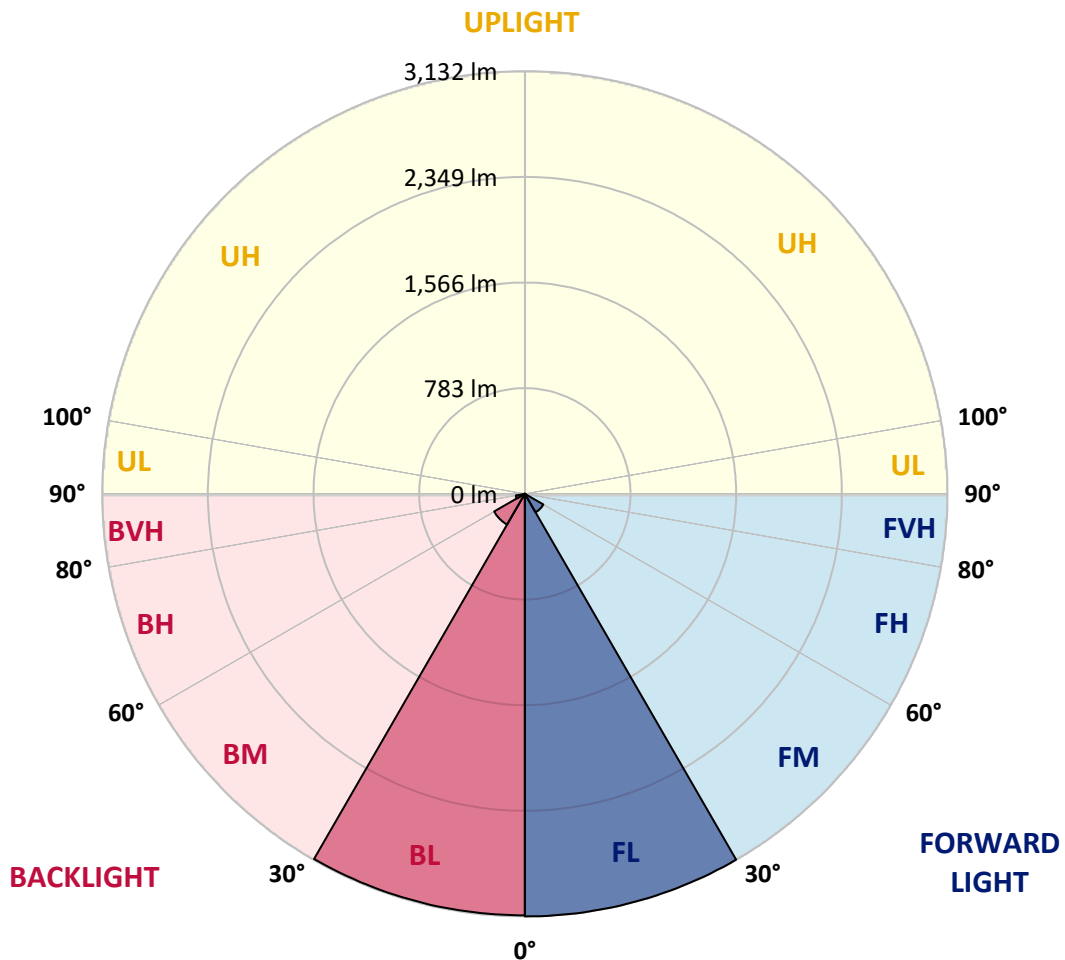


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3132.1	46.3			
FM (30°-60°)	158.1	2.3			
FH (60°-80°)	7.4	0.1			G0/660
FVH (80°-90°)	1.5	0.0			G0/10
BL (0°-30°)	3124.7	46.2	B4/5000		
BM (30°-60°)	263.0	3.9	B1/1000		
BH (60°-80°)	67.9	1.0	B0/110		G0/660
BVH (80°-90°)	8.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	67177.8	67177.8	67177.8	67177.8	67177.8	67177.8	67177.8	67177.8	67177.8	67177.8
1°	66373.4	66170.9	65647.9	66019.9	66346.9	66251.9	66245.3	66209.9	66160.6	66548.0
2°	63720.2	63589.1	62815.7	63134.6	63599.4	63260.6	63472.7	63286.4	63290.1	63752.6
3°	59247.7	59319.1	58085.3	58665.0	59311.0	58489.7	58744.6	59223.3	58721.7	58570.7
4°	53434.5	52814.3	52140.3	52729.6	52896.8	52418.7	52888.7	53475.0	52778.2	52809.1
5°	46797.8	46339.6	45541.9	45905.8	45491.1	45642.1	46346.3	46587.9	46101.7	45489.6
6°	39974.0	39648.5	38651.1	39175.6	39028.2	38942.8	39831.9	39095.3	39360.4	38989.9
7°	33250.4	32642.0	32152.2	32654.5	32686.9	32429.9	33584.1	33450.0	32967.6	32855.6
8°	27548.5	26941.5	26526.8	26901.0	27145.6	26741.9	27284.8	27641.3	27264.2	27298.0
9°	22219.3	22112.4	21535.7	22024.8	22290.7	21858.3	22459.4	22588.3	22235.5	22407.1
10°	18243.9	18119.4	17659.0	17857.2	18297.6	17782.0	18358.8	18400.8	18119.4	18199.7
12.5°	11274.3	11224.2	11211.6	11240.4	11234.5	11325.8	11473.1	11305.2	11283.1	11005.4
15°	7287.1	7361.5	7284.9	7432.2	7453.6	7539.7	7449.9	7314.3	7055.8	6927.6
17.5°	4547.7	4642.7	4773.8	4989.7	5205.5	5230.5	5111.2	4952.1	4826.9	4689.9
20°	2616.4	2662.8	2642.9	2901.4	3459.8	3611.5	3457.6	3290.3	3139.3	3000.9
22.5°	1625.7	1608.7	1639.7	1726.6	1908.5	2377.7	2251.8	2084.6	1974.8	1860.6
25°	996.6	1015.0	1003.2	1051.1	1132.9	1331.8	1360.5	1288.3	1232.3	1173.4
27.5°	641.6	641.6	646.7	673.2	729.2	722.6	875.8	819.8	789.6	760.9
30°	445.6	447.1	447.1	462.6	475.1	453.0	492.8	565.0	551.0	528.9
32.5°	330.7	335.1	338.8	346.9	336.6	313.1	322.6	406.6	398.5	390.4
35°	251.9	255.6	264.4	268.9	254.1	239.4	230.6	299.1	302.7	300.5
37.5°	183.4	185.6	201.8	218.8	201.8	188.6	183.4	229.8	247.5	245.3
40°	140.7	141.4	144.4	163.5	163.5	153.2	154.7	171.6	202.6	202.6
42.5°	120.8	120.8	123.7	120.8	121.5	132.6	136.3	138.5	171.6	171.6
45°	104.6	104.6	106.1	98.7	91.3	114.2	117.1	117.9	144.4	148.1
47.5°	87.7	87.7	90.6	81.0	77.3	90.6	98.7	100.9	124.5	127.4
50°	64.8	65.6	74.4	66.3	68.5	70.0	85.4	86.9	105.3	112.0
52.5°	43.5	43.5	44.9	51.6	59.7	57.5	69.2	74.4	84.0	92.8
55°	35.4	35.4	34.6	33.1	44.2	47.9	50.8	61.9	68.5	79.6
57.5°	24.3	25.8	23.6	27.3	28.7	36.1	38.3	48.6	52.3	67.0
60°	2.9	3.7	5.2	19.9	19.2	24.3	28.7	38.3	42.7	51.6
62.5°	0.7	0.7	1.5	3.7	13.3	16.2	22.8	26.5	30.9	39.8
65°	0.0	0.0	0.7	1.5	2.9	8.8	11.8	15.5	22.1	28.0
67.5°	0.0	0.0	0.7	1.5	1.5	3.7	5.9	9.6	11.8	20.6
70°	0.0	0.0	0.7	1.5	1.5	2.9	3.7	4.4	8.1	11.0
72.5°	0.0	0.0	0.7	1.5	2.2	2.9	3.7	3.7	3.7	7.4
75°	0.0	0.0	0.7	1.5	2.2	2.9	3.7	3.7	2.9	2.9
77.5°	0.0	0.0	0.7	1.5	2.9	3.7	4.4	3.7	2.2	2.2
80°	0.0	0.0	0.7	2.2	3.7	5.2	5.9	4.4	2.2	1.5
82.5°	0.0	0.0	1.5	2.9	4.4	5.9	8.1	6.6	2.9	1.5
85°	0.0	0.0	0.7	2.2	4.4	5.9	11.8	8.1	3.7	0.7
87.5°	0.0	0.0	0.0	0.7	0.7	1.5	4.4	2.9	1.5	0.7
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°
67177.8	0°	67177.8	67177.8	67177.8	67177.8	67177.8	67177.8	67177.8	67177.8	67177.8
66100.9	1°	66562.7	66609.1	66457.4	66692.4	66609.9	66126.7	65966.8	65777.5	65505.0
63480.8	2°	63286.4	63522.8	63534.6	63795.4	63791.7	63228.2	63053.6	63375.5	62747.2
58877.1	3°	58698.9	58974.4	58726.1	59189.5	59050.2	58366.7	58189.2	58554.5	58097.8
53053.7	4°	52895.3	52843.0	52757.6	52493.9	52818.7	52352.4	52001.1	52496.8	51520.1
46301.3	5°	46208.5	46092.1	45925.7	45847.6	46089.2	45790.9	45068.3	45792.4	44050.3
39660.2	6°	39708.9	39208.0	39183.7	39140.2	39164.5	38329.2	38379.3	38918.5	37468.9
32470.4	7°	32813.6	32905.7	32717.9	33019.1	32789.3	32223.6	32005.6	32573.5	31548.9
27446.8	8°	27255.3	27138.9	26995.3	27445.4	27046.9	26675.6	26421.5	26870.1	26109.2
22435.1	9°	22393.1	22192.0	22046.2	22023.3	22085.2	21388.4	21529.8	21869.4	21411.2
18243.9	10°	18250.5	17920.5	18000.8	18022.2	17954.4	17497.7	17502.1	17619.2	17068.3
11189.5	12.5°	11149.8	10987.7	11028.2	11050.3	11188.1	11027.5	10800.6	10637.1	10554.6
7055.1	15°	7007.9	6891.5	7129.5	7289.3	7256.9	7114.0	7007.2	6859.1	6739.8
4689.9	17.5°	4646.4	4798.9	4799.6	4945.5	4960.2	4817.3	4734.8	4601.5	4607.4
3050.2	20°	3039.2	3102.5	3234.4	3337.5	3397.2	3288.1	3189.4	3098.1	3059.8
1901.9	22.5°	1901.9	2012.4	2094.9	2228.9	2283.4	2203.9	2133.9	2059.5	2013.8
1187.4	25°	1167.5	1246.3	1314.8	1431.2	1505.6	1467.3	1403.2	1350.9	1326.6
766.8	27.5°	778.6	811.7	845.6	925.9	1003.2	981.9	956.1	924.4	913.4
540.7	30°	548.8	551.7	587.8	632.7	684.3	697.6	685.8	669.6	657.0
397.0	32.5°	404.4	416.2	433.1	461.1	495.7	527.4	521.5	514.1	508.2
303.5	35°	312.3	330.0	344.0	365.3	383.8	414.0	419.1	416.9	412.5
249.7	37.5°	254.9	270.3	284.3	296.8	312.3	332.9	349.1	349.9	345.5
206.2	40°	211.4	225.4	243.8	253.4	264.4	279.9	299.8	301.3	299.8
174.6	42.5°	178.3	191.5	209.9	221.7	229.8	244.5	264.4	267.4	264.4
149.5	45°	153.2	161.3	180.5	194.5	202.6	212.1	233.5	236.4	235.7
128.9	47.5°	133.3	141.4	153.2	173.1	180.5	189.3	206.2	211.4	211.4
114.2	50°	117.1	125.2	135.5	153.2	164.3	171.6	185.6	193.0	193.0
99.4	52.5°	103.9	112.0	123.0	137.0	149.5	156.2	169.4	179.0	179.0
81.0	55°	86.9	100.9	109.0	121.5	138.5	144.4	154.7	167.2	167.2
70.7	57.5°	75.9	87.7	99.4	109.8	126.7	134.1	144.4	156.2	157.6
56.0	60°	64.1	75.1	89.1	98.0	114.2	123.7	134.8	145.8	148.8
42.7	62.5°	50.8	65.6	75.1	87.7	103.1	115.6	124.5	135.5	140.0
33.1	65°	37.6	53.8	64.8	78.1	92.8	106.1	113.4	125.2	128.2
23.6	67.5°	27.3	42.0	55.2	67.8	81.8	95.0	102.4	112.7	114.9
14.7	70°	21.4	30.9	45.7	56.7	71.4	82.5	90.6	97.2	99.4
9.6	72.5°	12.5	23.6	36.8	49.4	62.6	70.0	75.9	81.8	83.2
4.4	75°	8.1	18.4	30.2	41.2	50.8	57.5	62.6	67.8	68.5
2.2	77.5°	5.2	13.3	24.3	34.6	39.0	47.1	51.6	54.5	53.0
1.5	80°	2.9	10.3	21.4	28.0	31.7	36.8	41.2	44.9	41.2
1.5	82.5°	2.2	8.8	17.7	23.6	23.6	29.5	31.7	31.7	30.2
0.7	85°	1.5	7.4	14.0	22.1	17.7	22.1	20.6	20.6	20.6
0.7	87.5°	1.5	5.2	6.6	9.6	8.1	9.6	9.6	11.0	11.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
67177.8
65027.7
62012.1
56931.8
50702.5
43884.6
37355.4
31028.9
25589.2
20808.7
16822.3
10537.7
6783.3
4568.3
3066.4
2019.7
1320.7
906.0
658.5
508.2
409.5
344.7
299.1
265.2
235.7
212.1
193.7
179.0
167.9
156.9
148.8
140.7
127.4
113.4
99.4
83.2
67.8
53.0
40.5
29.5
19.9
11.0
0.0

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