

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: P636631

Luminaire Tested: **IFLD-S-SA6A-935-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636631
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-935-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (96) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14269.1 lumens
Efficiency: N/A
Efficacy: 75.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G1

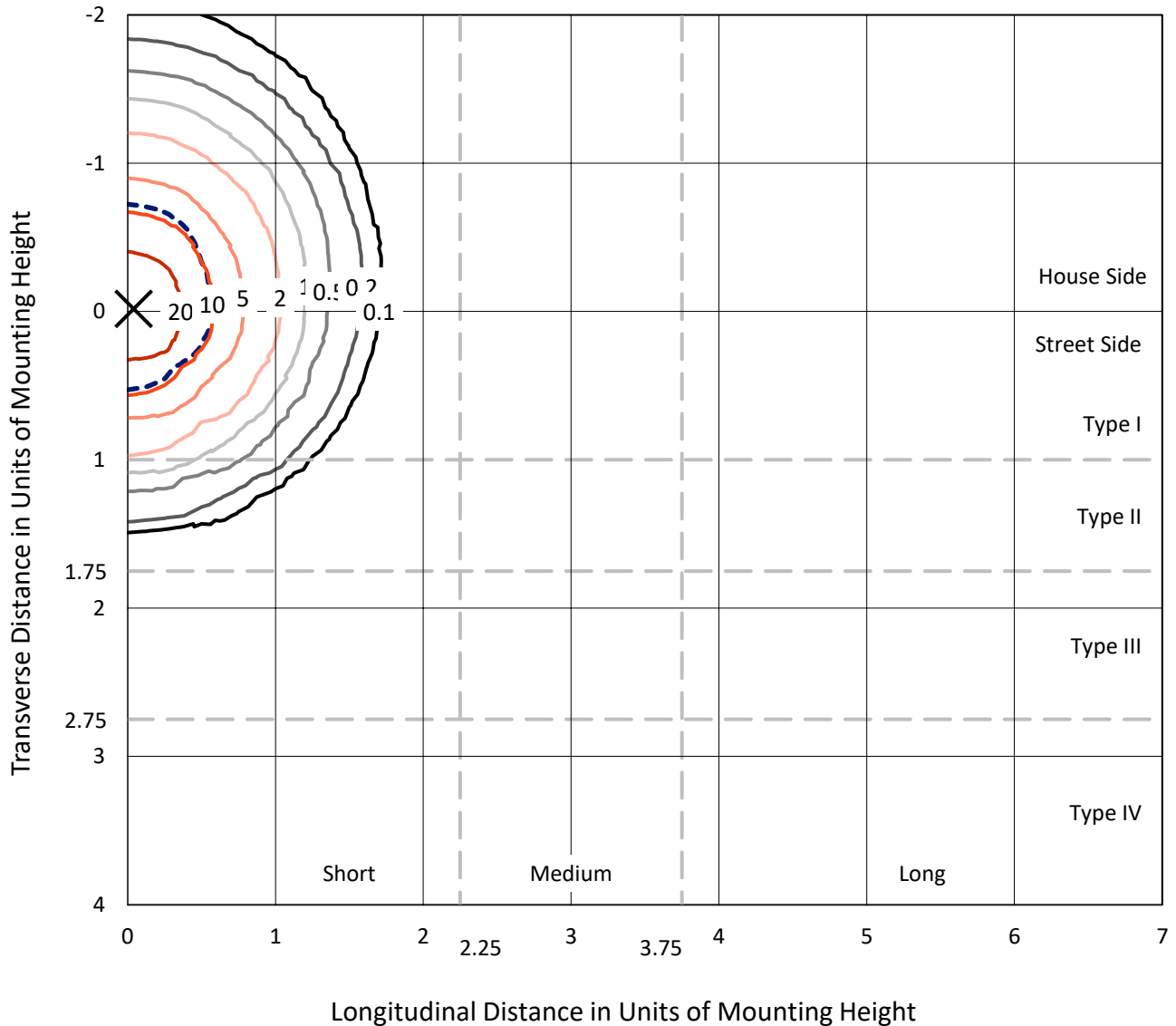
Input Watts (W): 189.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

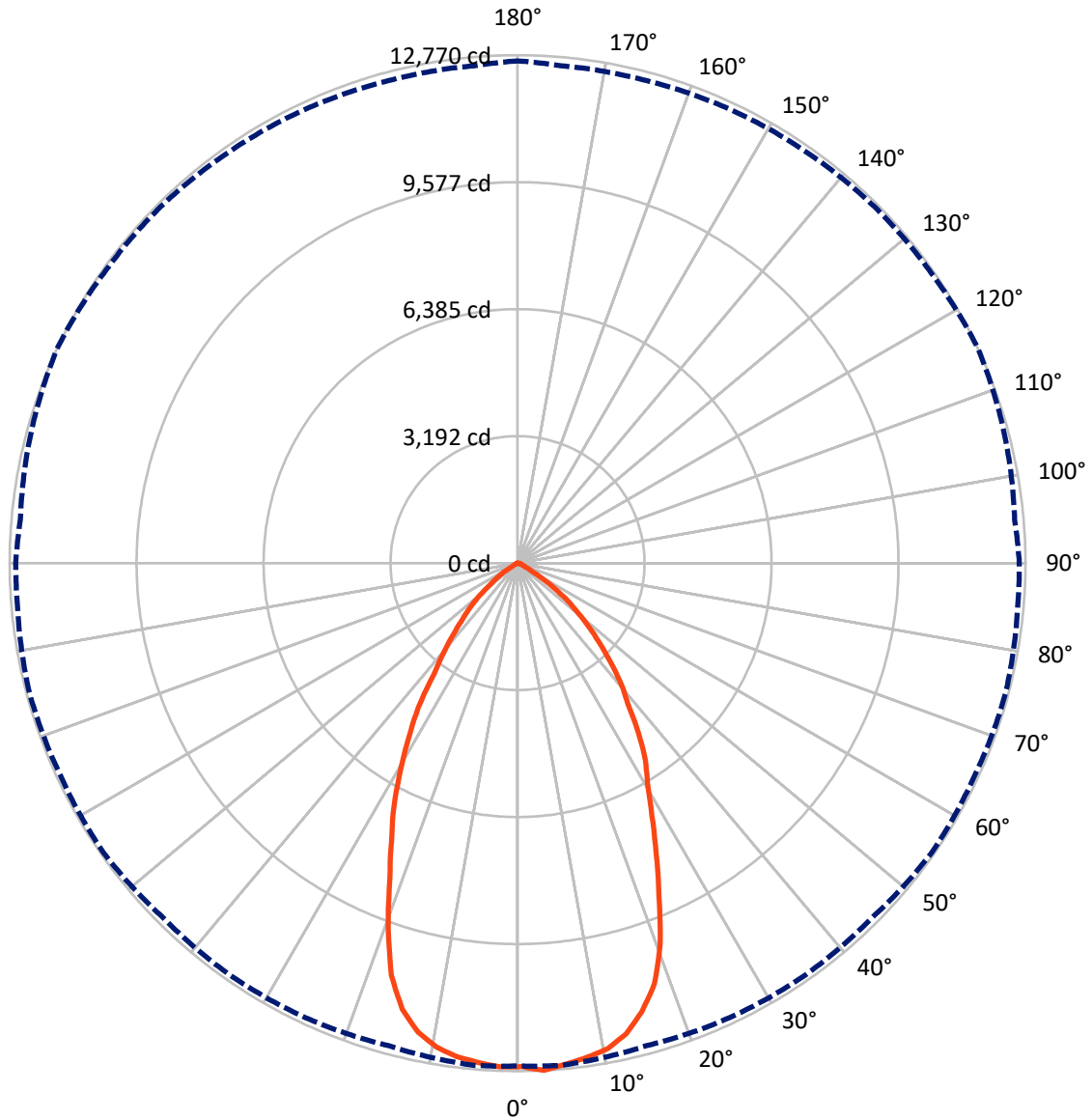
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 31.7 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 115-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8166.1	0.0	8166.1
	% Fixture	57.2	0.0	57.2
Street Side	Lumens	6103.1	0.0	6103.1
	% Fixture	42.8	0.0	42.8
Total	Lumens	14269.1	0.0	14269.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1192.4	8.4
10°-20°	3161.7	22.2
20°-30°	3616.4	25.3
30°-40°	3099.1	21.7
40°-50°	2049.3	14.4
50°-60°	894.2	6.3
60°-70°	175.7	1.2
70°-80°	63.4	0.4
80°-90°	16.9	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°	14269.1	100.0
0°-180°	14269.1	100.0



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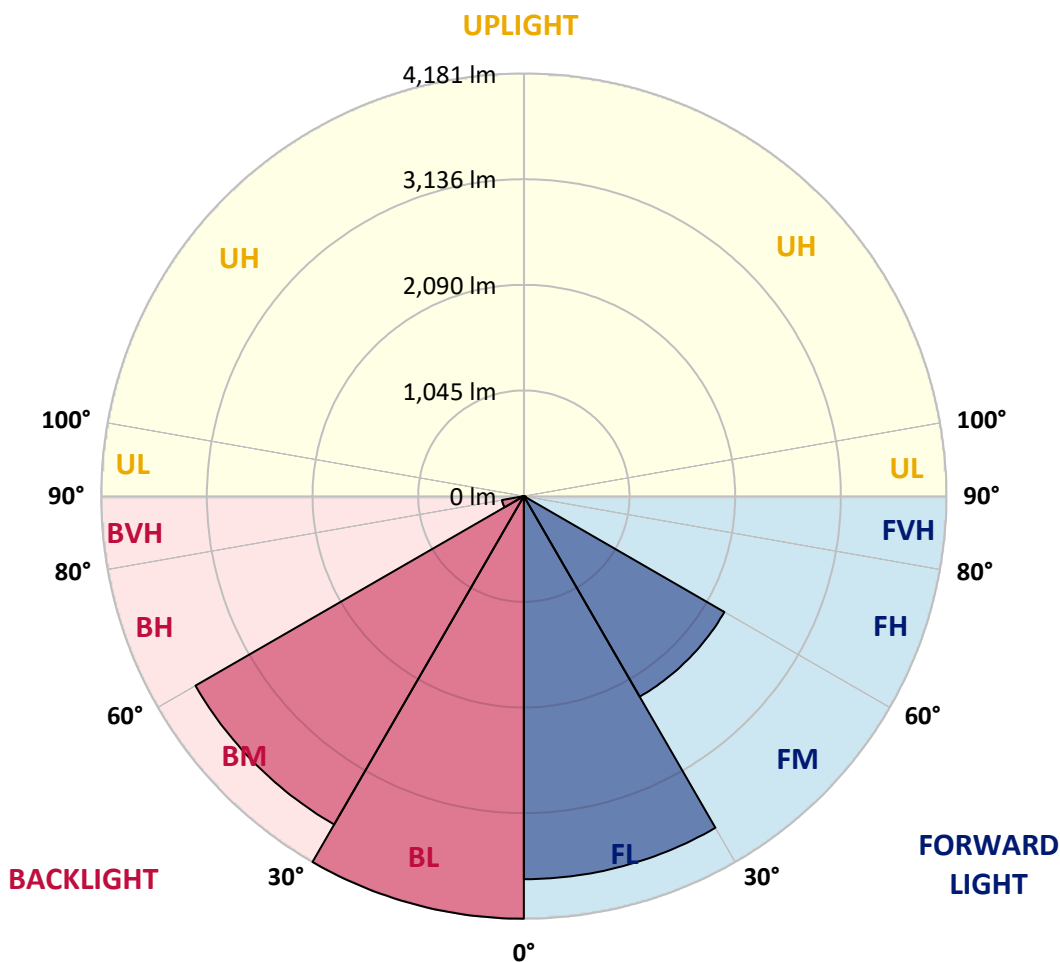
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3789.6	26.6			
FM (30°-60°)	2291.3	16.1			
FH (60°-80°)	19.4	0.1			G0/660
FVH (80°-90°)	2.8	0.0			G0/10
BL (0°-30°)	4181.0	29.3	B4/5000		
BM (30°-60°)	3751.3	26.3	B3/5000		
BH (60°-80°)	219.7	1.5	B1/500		G1/500
BVH (80°-90°)	14.1	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12660.3	12660.3	12660.3	12660.3	12660.3	12660.3	12660.3	12660.3	12660.3	12660.3
2.5°	12642.1	12672.5	12557.2	12608.8	12630.0	12602.7	12702.8	12672.5	12696.7	12620.9
5°	12642.1	12672.5	12539.0	12563.3	12569.3	12517.8	12627.0	12590.6	12593.6	12514.7
7.5°	12563.3	12599.7	12478.3	12496.5	12499.6	12457.1	12551.1	12499.6	12481.4	12399.5
10°	12350.9	12372.2	12263.0	12308.5	12350.9	12311.5	12393.4	12335.8	12335.8	12263.0
12.5°	12014.3	12053.7	11932.4	11987.0	12023.4	11977.9	12071.9	12050.7	12053.7	11980.9
15°	11401.6	11265.1	11410.7	11519.9	11522.9	11513.8	11601.8	11580.5	11595.7	11486.5
17.5°	8423.0	8389.7	8559.5	9848.6	10807.1	10937.5	10952.7	10837.4	10785.8	10679.7
20°	7804.3	7828.5	7792.1	7798.2	8553.5	10121.6	10027.6	9742.4	9612.0	9505.9
22.5°	7352.3	7312.9	7288.6	7273.5	7294.7	8316.9	8993.3	8562.6	8492.8	8441.2
25°	6861.0	6842.8	6812.4	6806.4	6794.2	6621.3	7595.0	7634.4	7522.2	7458.5
27.5°	6403.0	6390.8	6357.5	6354.4	6214.9	5796.3	5902.5	6839.7	6809.4	6785.1
30°	5914.6	5890.4	5872.2	5872.2	5450.6	5019.8	4847.0	5963.2	5963.2	5941.9
32.5°	5383.8	5362.6	5368.7	5295.9	4792.4	4398.1	4125.1	5147.2	5465.7	5447.5
35°	3291.0	3284.9	3900.6	4710.5	4119.0	3761.1	3742.9	4404.1	4868.2	4916.7
37.5°	2930.0	2911.8	2920.9	2972.5	3527.5	3385.0	3378.9	3491.1	4143.3	4167.5
40°	2629.7	2617.6	2608.5	2423.5	2247.6	3021.0	2999.8	2927.0	3539.7	3582.1
42.5°	2344.6	2332.5	2332.5	2071.6	1786.5	2484.1	2493.2	2408.3	2984.6	2999.8
45°	2050.4	2041.3	1989.7	1653.1	1571.2	1650.0	2065.6	1968.5	2368.9	2526.6
47.5°	967.6	961.5	1392.2	1374.0	1367.9	1319.4	1577.2	1631.8	1880.5	2038.3
50°	776.5	770.4	734.0	646.1	1125.3	1000.9	1137.4	1255.7	1334.6	1480.2
52.5°	643.0	637.0	561.1	497.4	624.8	731.0	679.4	840.2	837.1	994.9
55°	421.6	391.3	430.7	406.4	327.6	530.8	518.7	637.0	621.8	758.3
57.5°	9.1	9.1	21.2	230.5	206.3	224.5	297.2	364.0	409.5	448.9
60°	3.0	3.0	6.1	12.1	84.9	94.0	115.3	133.5	188.1	233.6
62.5°	0.0	0.0	3.0	6.1	12.1	48.5	54.6	63.7	88.0	121.3
65°	0.0	0.0	0.0	3.0	6.1	12.1	18.2	39.4	54.6	69.8
67.5°	0.0	0.0	0.0	3.0	3.0	6.1	12.1	18.2	24.3	48.5
70°	0.0	0.0	0.0	3.0	3.0	6.1	9.1	12.1	18.2	24.3
72.5°	0.0	0.0	0.0	3.0	3.0	9.1	6.1	9.1	12.1	15.2
75°	0.0	0.0	0.0	3.0	3.0	3.0	6.1	9.1	9.1	12.1
77.5°	0.0	0.0	0.0	3.0	6.1	6.1	6.1	6.1	6.1	9.1
80°	0.0	0.0	0.0	3.0	3.0	6.1	9.1	12.1	6.1	6.1
82.5°	0.0	0.0	0.0	6.1	3.0	12.1	18.2	15.2	6.1	3.0
85°	0.0	0.0	0.0	3.0	12.1	15.2	15.2	9.1	3.0	3.0
87.5°	0.0	0.0	0.0	3.0	3.0	6.1	9.1	9.1	3.0	3.0
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°
12660.3	0°	12660.3	12660.3	12660.3	12660.3	12660.3	12660.3	12660.3	12660.3	12660.3
12614.8	2.5°	12545.1	12663.4	12769.5	12702.8	12678.5	12630.0	12593.6	12554.2	12551.1
12505.6	5°	12435.9	12548.1	12651.2	12572.4	12578.4	12554.2	12529.9	12520.8	12526.9
12393.4	7.5°	12341.8	12435.9	12548.1	12481.4	12499.6	12484.4	12472.3	12454.1	12481.4
12247.8	10°	12199.3	12284.2	12414.6	12350.9	12341.8	12326.7	12314.5	12281.2	12296.3
11983.9	12.5°	11886.9	11993.0	12141.7	12068.9	12093.1	12050.7	12032.5	12011.2	12014.3
11525.9	15°	11462.2	11544.1	11695.8	11638.2	11656.4	11629.1	11629.1	11629.1	11650.3
10694.8	17.5°	10722.1	10889.0	11128.6	11055.8	11083.1	11089.2	11083.1	11104.3	11131.6
9511.9	20°	9518.0	9803.1	10239.9	10382.4	10440.1	10443.1	10400.6	10452.2	10506.8
8404.8	22.5°	8410.9	8711.2	9096.4	9487.7	9730.3	9718.2	9724.2	9757.6	9815.2
7419.1	25°	7452.4	7740.6	8089.4	8438.2	8969.0	9078.2	9081.2	9111.5	9157.0
6745.7	27.5°	6760.9	6873.1	7191.6	7543.4	8113.6	8462.5	8444.3	8471.6	8520.1
5902.5	30°	5926.8	6357.5	6430.3	6645.6	7137.0	7777.0	7780.0	7810.3	7858.9
5405.1	32.5°	5389.9	5675.0	5899.5	5905.5	6324.1	6982.3	7112.7	7143.0	7176.4
4889.4	35°	4886.4	4919.8	5223.1	5308.0	5550.6	6202.8	6433.3	6451.5	6506.1
4158.4	37.5°	4228.2	4425.3	4510.3	4813.6	4825.7	5353.5	5811.5	5793.3	5835.8
3579.1	40°	3624.6	3812.7	4028.0	4249.4	4279.8	4674.1	5180.6	5198.8	5217.0
2969.4	42.5°	2993.7	3233.3	3454.7	3603.4	3809.6	4037.1	4519.4	4604.3	4646.8
2544.8	45°	2590.3	2657.0	2920.9	3139.3	3348.6	3454.7	3906.7	4061.4	4088.7
2014.0	47.5°	2041.3	2265.8	2444.7	2629.7	2890.6	2984.6	3312.2	3527.5	3548.8
1495.3	50°	1577.2	1738.0	1983.7	2150.5	2453.8	2505.4	2729.8	3008.9	3036.2
1000.9	52.5°	1128.3	1346.7	1586.3	1747.1	2038.3	2105.0	2271.8	2538.7	2556.9
767.4	55°	809.8	952.4	1149.6	1380.1	1592.4	1741.0	1856.3	2111.1	2135.3
503.5	57.5°	552.0	685.5	767.4	997.9	1125.3	1286.1	1380.1	1574.2	1592.4
239.6	60°	263.9	327.6	391.3	506.5	588.4	724.9	785.6	864.4	885.7
145.6	62.5°	169.9	200.2	254.8	303.3	382.2	467.1	491.4	558.1	582.4
91.0	65°	112.2	142.6	200.2	212.3	291.2	357.9	388.2	436.8	464.1
54.6	67.5°	63.7	100.1	148.6	175.9	230.5	294.2	327.6	370.0	394.3
36.4	70°	42.5	81.9	118.3	145.6	182.0	236.6	279.0	315.4	330.6
18.2	72.5°	24.3	51.6	81.9	115.3	145.6	197.2	236.6	266.9	175.9
12.1	75°	15.2	39.4	69.8	97.1	121.3	157.7	191.1	188.1	78.9
9.1	77.5°	12.1	30.3	60.7	81.9	100.1	109.2	136.5	154.7	60.7
6.1	80°	9.1	24.3	54.6	69.8	39.4	78.9	106.2	115.3	42.5
6.1	82.5°	6.1	15.2	45.5	48.5	27.3	57.6	84.9	75.8	30.3
3.0	85°	3.0	9.1	15.2	27.3	24.3	27.3	21.2	30.3	21.2
3.0	87.5°	3.0	6.1	12.1	12.1	12.1	9.1	12.1	12.1	12.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
12660.3
12623.9
12602.7
12557.2
12369.1
12102.2
11659.4
11222.6
10543.2
9824.3
9235.9
8565.6
7943.8
7252.2
6563.7
5887.3
5274.6
4707.4
4155.4
3600.3
3075.6
2590.3
2156.6
1628.8
909.9
588.4
464.1
391.3
327.6
142.6
78.9
60.7
45.5
30.3
21.2
12.1
0.0

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