

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: P636617

Luminaire Tested: **IFLD-L-SA8A-930-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636617
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-930-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (128) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17456.1 lumens
Efficiency: N/A
Efficacy: 70.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

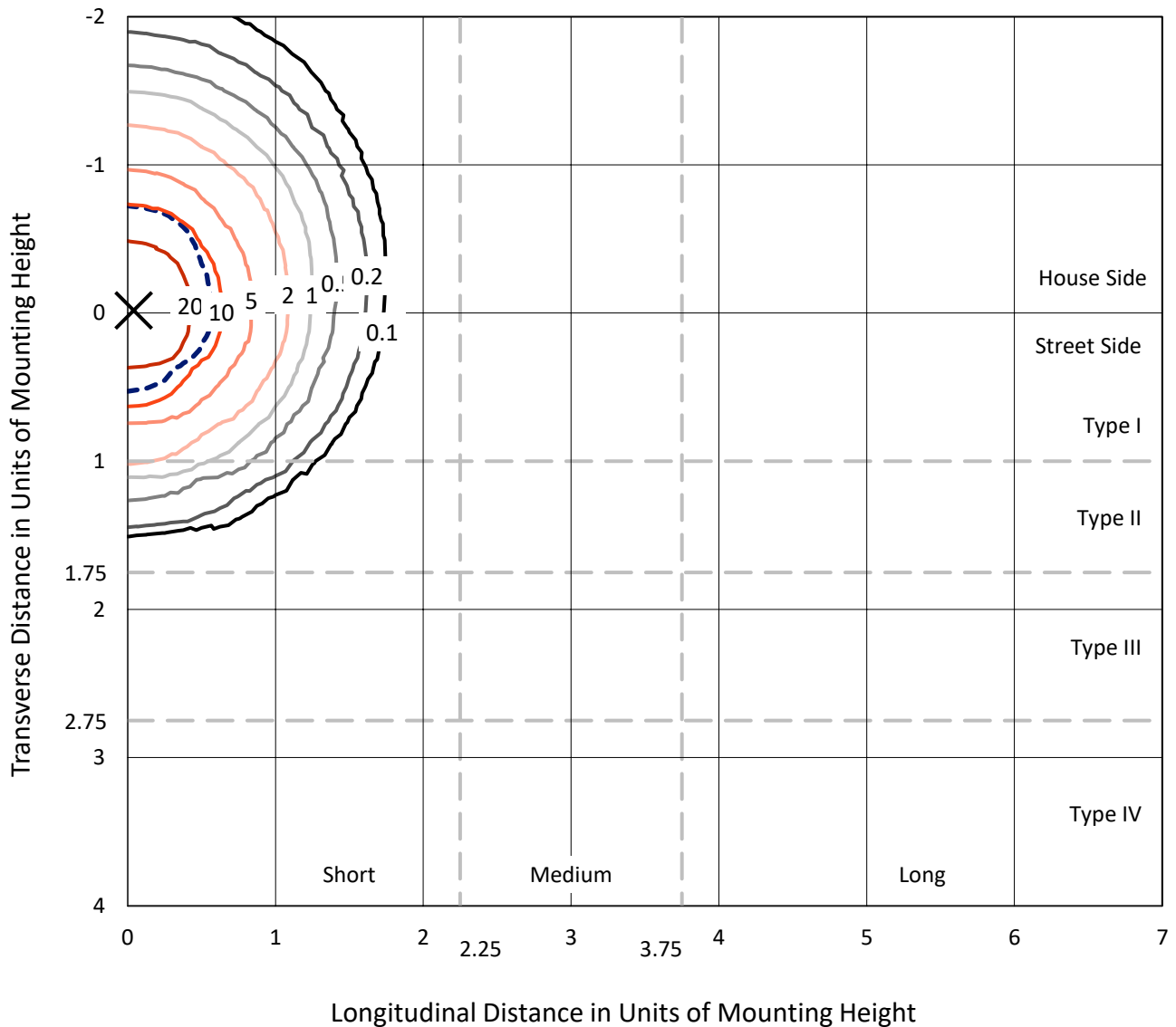
Input Watts (W): 247.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636617
 CATALOG NUMBER: IFLD-L-SA8A-930-U-66-VI

Iso-Footcandle Lines of Horizontal Illumination

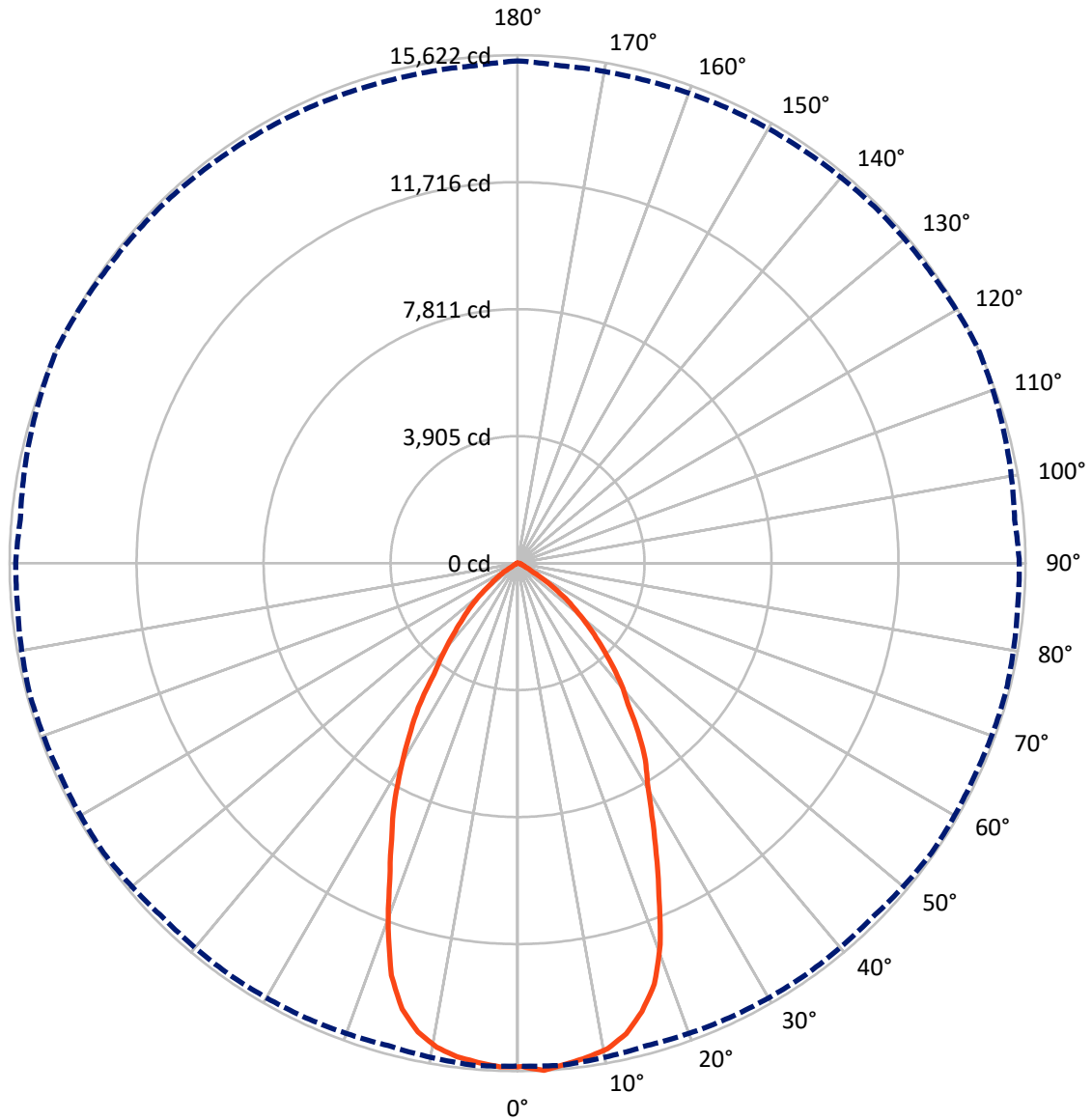
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 38.7 fc
 Type I - Short - N/A

REPORT NUMBER: P636617
CATALOG NUMBER: IFLD-L-SA8A-930-U-66-VI

Luminous Intensity Polar Plot



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

REPORT NUMBER: P636617

CATALOG NUMBER: IFLD-L-SA8A-930-U-66-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9989.9	0.0	9989.9
	% Fixture	57.2	0.0	57.2
Street Side	Lumens	7466.2	0.0	7466.2
	% Fixture	42.8	0.0	42.8
Total	Lumens	17456.1	0.0	17456.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1458.8	8.4
10°-20°	3867.9	22.2
20°-30°	4424.1	25.3
30°-40°	3791.3	21.7
40°-50°	2507.0	14.4
50°-60°	1093.9	6.3
60°-70°	214.9	1.2
70°-80°	77.5	0.4
80°-90°	20.6	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°	17456.1	100.0
0°-180°	17456.1	100.0



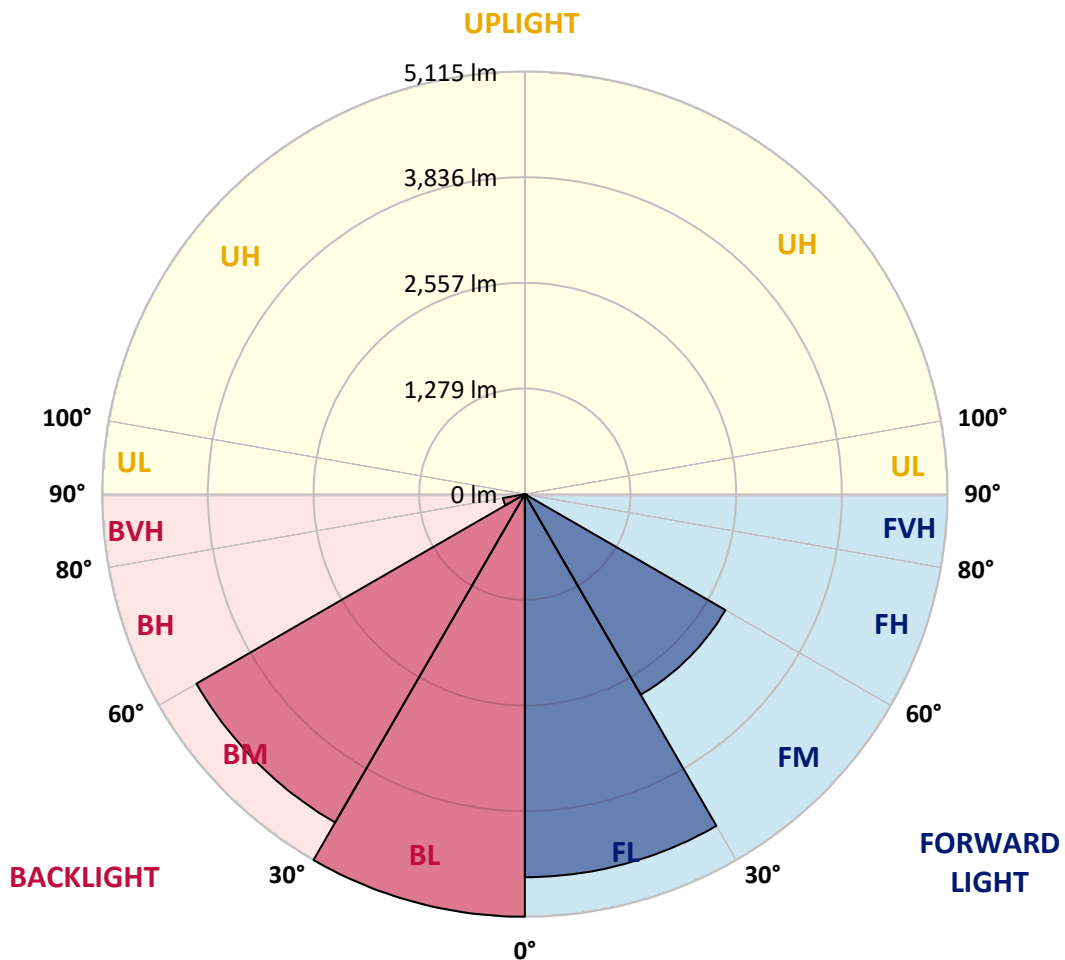
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4636.0	26.6			
FM (30°-60°)	2803.1	16.1			
FH (60°-80°)	23.7	0.1			G0/660
FVH (80°-90°)	3.4	0.0			G0/10
BL (0°-30°)	5114.8	29.3	B5		
BM (30°-60°)	4589.1	26.3	B3/5000		
BH (60°-80°)	268.7	1.5	B1/500		G1/500
BVH (80°-90°)	17.2	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 I Short





REPORT NUMBER: P636617
 CATALOG NUMBER: IFLD-L-SA8A-930-U-66-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	15488.0	15488.0	15488.0	15488.0	15488.0	15488.0	15488.0	15488.0	15488.0	15488.0
2.5°	15465.7	15502.8	15361.8	15424.9	15450.9	15417.5	15539.9	15502.8	15532.5	15439.7
5°	15465.7	15502.8	15339.5	15369.2	15376.6	15313.6	15447.1	15402.6	15406.3	15309.9
7.5°	15369.2	15413.8	15265.3	15287.6	15291.3	15239.4	15354.4	15291.3	15269.0	15168.9
10°	15109.5	15135.5	15001.9	15057.5	15109.5	15061.2	15161.4	15090.9	15090.9	15001.9
12.5°	14697.6	14745.8	14597.4	14664.2	14708.7	14653.1	14768.1	14742.1	14745.8	14656.8
15°	13948.1	13781.1	13959.2	14092.8	14096.5	14085.4	14193.0	14167.0	14185.6	14052.0
17.5°	10304.3	10263.5	10471.3	12048.3	13220.8	13380.4	13398.9	13257.9	13194.8	13065.0
20°	9547.3	9577.0	9532.5	9539.9	10463.8	12382.2	12267.2	11918.4	11758.8	11629.0
22.5°	8994.4	8946.2	8916.5	8898.0	8923.9	10174.4	11001.9	10475.0	10389.6	10326.5
25°	8393.3	8371.1	8334.0	8326.5	8311.7	8100.2	9291.3	9339.5	9202.2	9124.3
27.5°	7833.0	7818.2	7777.4	7773.7	7603.0	7090.9	7220.8	8367.4	8330.3	8300.6
30°	7235.6	7205.9	7183.7	7183.7	6667.9	6141.0	5929.5	7295.0	7295.0	7269.0
32.5°	6586.3	6560.3	6567.7	6478.7	5862.7	5380.3	5046.4	6296.9	6686.5	6664.2
35°	4026.0	4018.6	4771.8	5762.5	5039.0	4601.1	4578.9	5387.8	5955.5	6014.9
37.5°	3584.4	3562.2	3573.3	3636.4	4315.4	4141.0	4133.6	4270.9	5068.7	5098.3
40°	3217.1	3202.2	3191.1	2964.8	2749.5	3695.7	3669.8	3580.7	4330.2	4382.2
42.5°	2868.3	2853.4	2853.4	2534.3	2185.5	3039.0	3050.1	2946.2	3651.2	3669.8
45°	2508.4	2497.2	2434.1	2022.3	1922.1	2018.6	2526.9	2408.2	2898.0	3090.9
47.5°	1183.7	1176.3	1703.2	1680.9	1673.5	1614.1	1929.5	1996.3	2300.6	2493.5
50°	949.9	942.5	898.0	790.4	1376.6	1224.5	1391.5	1536.2	1632.7	1810.8
52.5°	786.6	779.2	686.5	608.5	764.4	894.2	831.2	1027.8	1024.1	1217.1
55°	515.8	478.7	526.9	497.2	400.7	649.4	634.5	779.2	760.7	927.6
57.5°	11.1	11.1	26.0	282.0	252.3	274.6	363.6	445.3	500.9	549.2
60°	3.7	3.7	7.4	14.8	103.9	115.0	141.0	163.3	230.1	285.7
62.5°	0.0	0.0	3.7	7.4	14.8	59.4	66.8	77.9	107.6	148.4
65°	0.0	0.0	0.0	3.7	7.4	14.8	22.3	48.2	66.8	85.3
67.5°	0.0	0.0	0.0	3.7	3.7	7.4	14.8	22.3	29.7	59.4
70°	0.0	0.0	0.0	3.7	3.7	7.4	11.1	14.8	22.3	29.7
72.5°	0.0	0.0	0.0	3.7	3.7	11.1	7.4	11.1	14.8	18.6
75°	0.0	0.0	0.0	3.7	3.7	3.7	7.4	11.1	11.1	14.8
77.5°	0.0	0.0	0.0	3.7	7.4	7.4	7.4	7.4	7.4	11.1
80°	0.0	0.0	0.0	3.7	3.7	7.4	11.1	14.8	7.4	7.4
82.5°	0.0	0.0	0.0	7.4	3.7	14.8	22.3	18.6	7.4	3.7
85°	0.0	0.0	0.0	3.7	14.8	18.6	18.6	11.1	3.7	3.7
87.5°	0.0	0.0	0.0	3.7	3.7	7.4	11.1	11.1	3.7	3.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P636617

CATALOG NUMBER: IFLD-L-SA8A-930-U-66-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
15488.0	0°	15488.0	15488.0	15488.0	15488.0	15488.0	15488.0	15488.0	15488.0	15488.0
15432.3	2.5°	15347.0	15491.7	15621.5	15539.9	15510.2	15450.9	15406.3	15358.1	15354.4
15298.7	5°	15213.4	15350.7	15476.8	15380.4	15387.8	15358.1	15328.4	15317.3	15324.7
15161.4	7.5°	15098.4	15213.4	15350.7	15269.0	15291.3	15272.8	15257.9	15235.6	15269.0
14983.3	10°	14924.0	15027.9	15187.4	15109.5	15098.4	15079.8	15065.0	15024.1	15042.7
14660.5	12.5°	14541.8	14671.6	14853.5	14764.4	14794.1	14742.1	14719.9	14693.9	14697.6
14100.2	15°	14022.3	14122.5	14308.0	14237.5	14259.8	14226.4	14226.4	14226.4	14252.3
13083.5	17.5°	13116.9	13321.0	13614.1	13525.1	13558.5	13565.9	13558.5	13584.4	13617.8
11636.4	20°	11643.8	11992.6	12526.9	12701.3	12771.8	12775.5	12723.6	12786.7	12853.5
10282.0	22.5°	10289.4	10656.8	11128.0	11606.7	11903.5	11888.7	11896.1	11936.9	12007.4
9076.1	25°	9116.9	9469.4	9896.1	10322.8	10972.2	11105.8	11109.5	11146.6	11202.2
8252.3	27.5°	8270.9	8408.2	8797.8	9228.2	9925.8	10352.5	10330.3	10363.7	10423.0
7220.8	30°	7250.5	7777.4	7866.4	8129.9	8731.0	9513.9	9517.6	9554.7	9614.1
6612.3	32.5°	6593.7	6942.5	7217.1	7224.5	7736.6	8541.8	8701.3	8738.4	8779.2
5981.5	35°	5977.7	6018.6	6389.6	6493.5	6790.4	7588.1	7870.1	7892.4	7959.2
5087.2	37.5°	5172.5	5413.7	5517.6	5888.7	5903.5	6549.2	7109.5	7087.2	7139.2
4378.5	40°	4434.1	4664.2	4927.7	5198.5	5235.6	5718.0	6337.7	6359.9	6382.2
3632.7	42.5°	3662.3	3955.5	4226.4	4408.2	4660.5	4938.8	5528.8	5632.7	5684.6
3113.2	45°	3168.8	3250.5	3573.3	3840.5	4096.5	4226.4	4779.2	4968.5	5001.9
2463.8	47.5°	2497.2	2771.8	2990.7	3217.1	3536.2	3651.2	4052.0	4315.4	4341.4
1829.3	50°	1929.5	2126.2	2426.7	2630.8	3001.9	3064.9	3339.5	3680.9	3714.3
1224.5	52.5°	1380.3	1647.5	1940.6	2137.3	2493.5	2575.1	2779.2	3105.8	3128.0
938.8	55°	990.7	1165.1	1406.3	1688.3	1948.1	2129.9	2270.9	2582.6	2612.2
616.0	57.5°	675.3	838.6	938.8	1220.8	1376.6	1573.3	1688.3	1925.8	1948.1
293.1	60°	322.8	400.7	478.7	619.7	719.9	886.8	961.0	1057.5	1083.5
178.1	62.5°	207.8	244.9	311.7	371.1	467.5	571.4	601.1	682.7	712.4
111.3	65°	137.3	174.4	244.9	259.7	356.2	437.8	475.0	534.3	567.7
66.8	67.5°	77.9	122.4	181.8	215.2	282.0	359.9	400.7	452.7	482.4
44.5	70°	51.9	100.2	144.7	178.1	222.6	289.4	341.4	385.9	404.5
22.3	72.5°	29.7	63.1	100.2	141.0	178.1	241.2	289.4	326.5	215.2
14.8	75°	18.6	48.2	85.3	118.7	148.4	193.0	233.8	230.1	96.5
11.1	77.5°	14.8	37.1	74.2	100.2	122.4	133.6	167.0	189.2	74.2
7.4	80°	11.1	29.7	66.8	85.3	48.2	96.5	129.9	141.0	51.9
7.4	82.5°	7.4	18.6	55.7	59.4	33.4	70.5	103.9	92.8	37.1
3.7	85°	3.7	11.1	18.6	33.4	29.7	33.4	26.0	37.1	26.0
3.7	87.5°	3.7	7.4	14.8	14.8	14.8	11.1	14.8	14.8	14.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
15488.0
15443.4
15417.5
15361.8
15131.7
14805.2
14263.5
13729.1
12898.0
12018.6
11298.7
10478.7
9718.0
8872.0
8029.7
7202.2
6452.7
5758.8
5083.5
4404.5
3762.5
3168.8
2638.2
1992.6
1113.2
719.9
567.7
478.7
400.7
174.4
96.5
74.2
55.7
37.1
26.0
14.8
0.0

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