

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: P637068

Luminaire Tested: **IFLD-S-SA6C-730-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637068
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-730-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (96) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37628.3 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

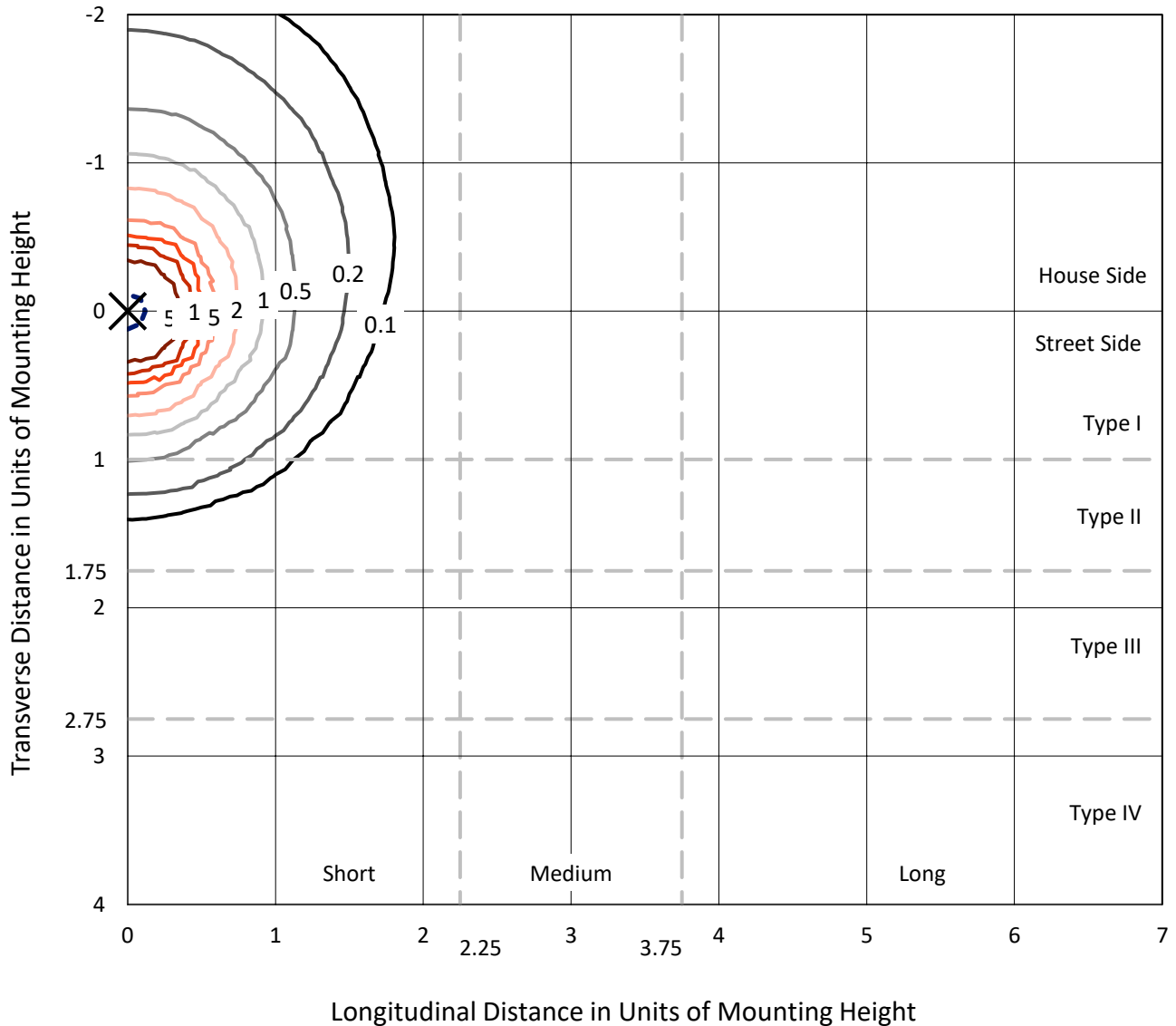
Input Watts (W): 321.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

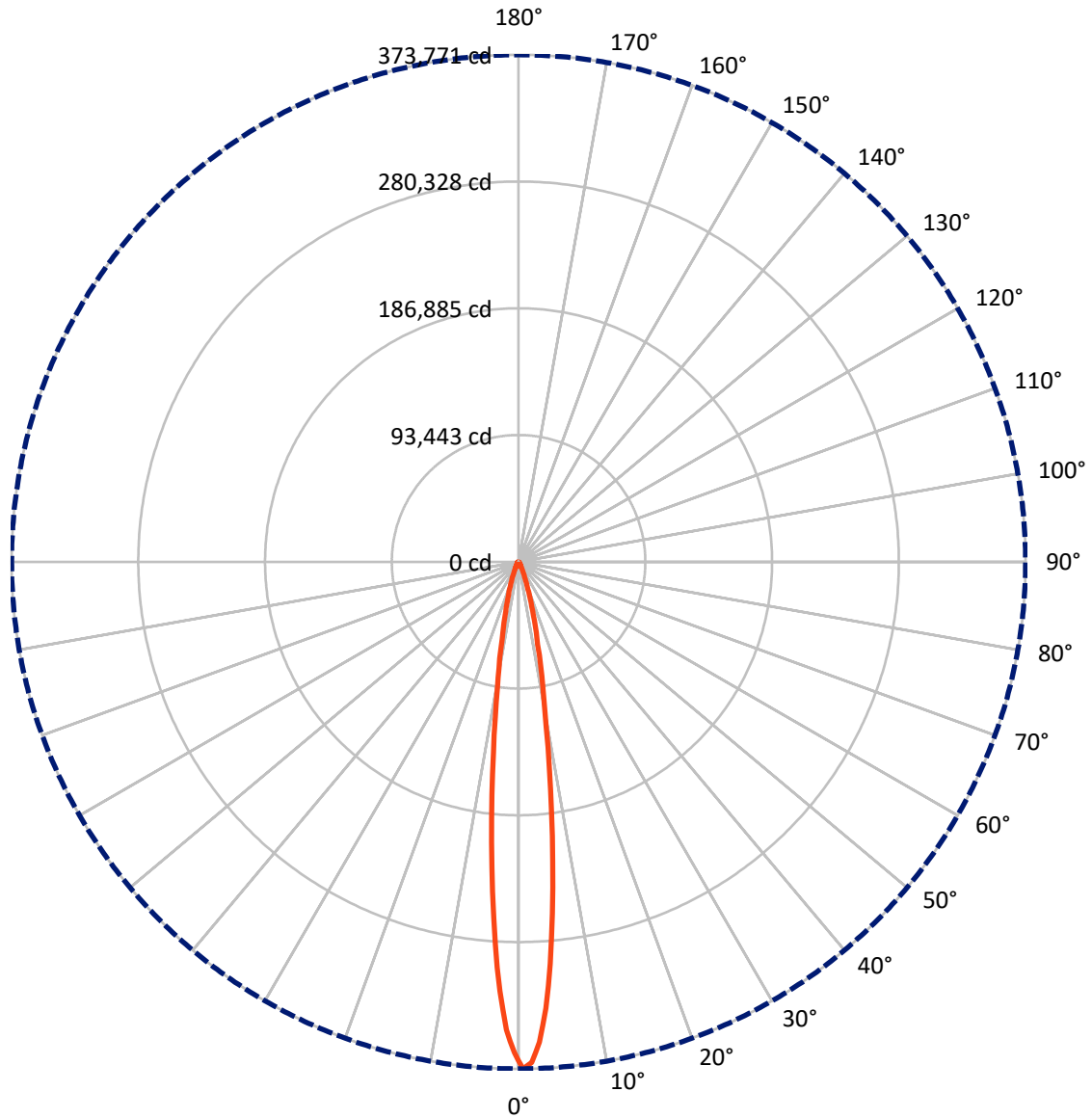
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 934.4 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	19272.5	0.0	19272.5
	% Fixture	51.2	0.0	51.2
Street Side	Lumens	18355.8	0.0	18355.8
	% Fixture	48.8	0.0	48.8
Total	Lumens	37628.3	0.0	37628.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18995.9	50.5
10°-20°	12161.1	32.3
20°-30°	3655.4	9.7
30°-40°	1190.2	3.2
40°-50°	692.5	1.8
50°-60°	460.0	1.2
60°-70°	276.9	0.7
70°-80°	142.3	0.4
80°-90°	54.1	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°	37628.3	100.0
0°-180°	37628.3	100.0

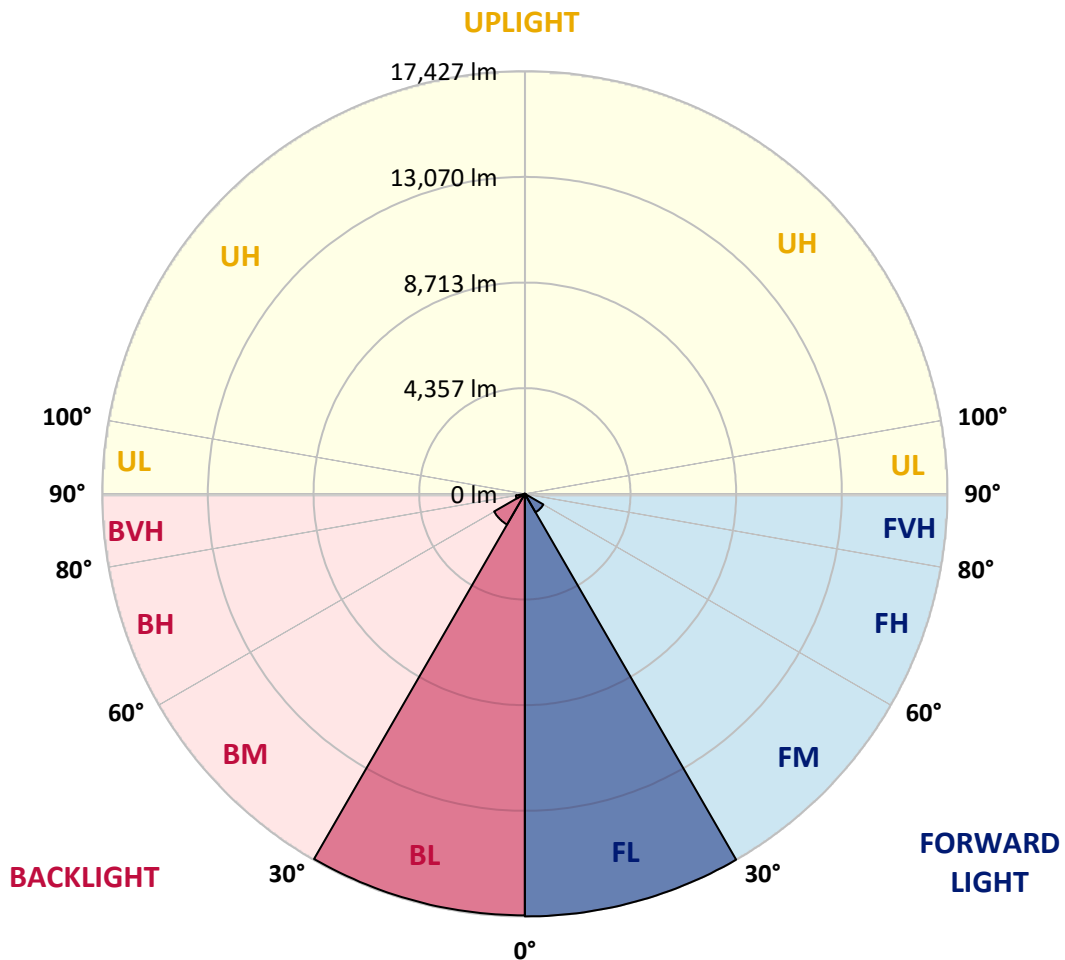


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	17426.8	46.3			
FM (30°-60°)	879.4	2.3			
FH (60°-80°)	41.4	0.1			G0/660
FVH (80°-90°)	8.2	0.0			G0/10
BL (0°-30°)	17385.5	46.2	B5		
BM (30°-60°)	1463.3	3.9	B2/2500		
BH (60°-80°)	377.8	1.0	B1/500		G0/660
BVH (80°-90°)	45.9	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°	373770.9	373770.9	373770.9	373770.9	373770.9	373770.9	373770.9	373770.9	373770.9	373770.9
1°	369295.6	368168.5	365258.7	367328.4	369148.0	368619.4	368582.5	368385.7	368111.2	370266.9
2°	354533.4	353803.9	349500.7	351275.3	353861.3	351976.1	353156.4	352119.5	352140.0	354713.8
3°	329648.4	330046.0	323181.3	326406.6	330000.9	325431.2	326849.3	329513.2	326722.2	325882.1
4°	297304.5	293853.7	290103.7	293382.4	294312.7	291652.9	294267.6	297529.9	293652.9	293825.0
5°	260378.6	257829.5	253391.0	255415.5	253108.2	253948.3	257866.3	259210.6	256505.7	253100.0
6°	222411.8	220600.3	215051.2	217969.2	217149.5	216674.1	221620.8	217522.5	218997.9	216936.4
7°	185002.3	181617.1	178891.7	181686.8	181867.1	180436.8	186858.8	186112.9	183428.5	182805.6
8°	153277.2	149900.2	147592.8	149674.8	151035.4	148789.5	151810.0	153793.6	151695.2	151883.8
9°	123625.8	123031.6	119822.6	122543.9	124023.4	121617.7	124961.9	125679.1	123716.0	124670.9
10°	101507.2	100814.6	98253.1	99355.6	101806.4	98937.6	102146.5	102380.1	100814.6	101261.3
12.5°	62728.9	62450.2	62380.5	62540.4	62507.6	63015.8	63835.4	62901.0	62778.1	61233.0
15°	40544.7	40958.6	40532.4	41352.1	41470.9	41950.4	41450.4	40696.3	39257.8	38544.7
17.5°	25303.0	25831.7	26561.2	27762.0	28962.8	29102.2	28438.2	27553.0	26856.3	26094.0
20°	14557.2	14815.4	14704.8	16143.3	19249.8	20094.1	19237.5	18307.2	17467.0	16696.6
22.5°	9045.0	8950.7	9122.9	9606.5	10618.7	13229.4	12528.6	11598.2	10987.6	10352.4
25°	5545.0	5647.5	5581.9	5848.3	6303.2	7409.8	7569.6	7168.0	6856.5	6528.6
27.5°	3569.6	3569.6	3598.3	3745.9	4057.3	4020.5	4872.9	4561.4	4393.4	4233.6
30°	2479.5	2487.7	2487.7	2573.7	2643.4	2520.5	2741.8	3143.4	3065.5	2942.6
32.5°	1840.1	1864.7	1885.2	1930.3	1872.9	1741.8	1795.1	2262.3	2217.2	2172.1
35°	1401.6	1422.1	1471.3	1495.9	1413.9	1332.0	1282.8	1663.9	1684.4	1672.1
37.5°	1020.5	1032.8	1122.9	1217.2	1122.9	1049.2	1020.5	1278.7	1377.0	1364.7
40°	782.8	786.9	803.3	909.8	909.8	852.5	860.6	954.9	1127.0	1127.0
42.5°	672.1	672.1	688.5	672.1	676.2	737.7	758.2	770.5	954.9	954.9
45°	582.0	582.0	590.2	549.2	508.2	635.2	651.6	655.7	803.3	823.8
47.5°	487.7	487.7	504.1	450.8	430.3	504.1	549.2	561.5	692.6	709.0
50°	360.7	364.8	413.9	368.8	381.1	389.3	475.4	483.6	586.1	622.9
52.5°	241.8	241.8	250.0	286.9	332.0	319.7	385.2	413.9	467.2	516.4
55°	196.7	196.7	192.6	184.4	245.9	266.4	282.8	344.3	381.1	442.6
57.5°	135.2	143.4	131.1	151.6	159.8	200.8	213.1	270.5	291.0	372.9
60°	16.4	20.5	28.7	110.7	106.6	135.2	159.8	213.1	237.7	286.9
62.5°	4.1	4.1	8.2	20.5	73.8	90.2	127.0	147.5	172.1	221.3
65°	0.0	0.0	4.1	8.2	16.4	49.2	65.6	86.1	122.9	155.7
67.5°	0.0	0.0	4.1	8.2	8.2	20.5	32.8	53.3	65.6	114.8
70°	0.0	0.0	4.1	8.2	8.2	16.4	20.5	24.6	45.1	61.5
72.5°	0.0	0.0	4.1	8.2	12.3	16.4	20.5	20.5	20.5	41.0
75°	0.0	0.0	4.1	8.2	12.3	16.4	20.5	20.5	16.4	16.4
77.5°	0.0	0.0	4.1	8.2	16.4	20.5	24.6	20.5	12.3	12.3
80°	0.0	0.0	4.1	12.3	20.5	28.7	32.8	24.6	12.3	8.2
82.5°	0.0	0.0	8.2	16.4	24.6	32.8	45.1	36.9	16.4	8.2
85°	0.0	0.0	4.1	12.3	24.6	32.8	65.6	45.1	20.5	4.1
87.5°	0.0	0.0	0.0	4.1	4.1	8.2	24.6	16.4	8.2	4.1
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°
373770.9	0°	373770.9	373770.9	373770.9	373770.9	373770.9	373770.9	373770.9	373770.9
367779.2	1°	370348.8	370607.0	369762.8	371070.1	370611.1	367922.6	367033.3	365980.0
353201.5	2°	352119.5	353435.1	353500.6	354951.5	354931.0	351795.7	350824.4	352615.4
327587.0	3°	326595.2	328127.9	326746.8	329324.7	328550.1	324746.8	323759.1	325791.9
295185.6	4°	294304.5	294013.5	293538.1	292070.9	293878.3	291284.0	289329.1	292087.3
257616.3	5°	257099.9	256452.4	255526.2	255091.8	256436.0	254776.2	250755.7	254784.4
220665.9	6°	220936.4	218149.5	218014.3	217772.5	217907.7	213260.2	213538.9	216538.9
180662.2	7°	182572.0	183084.3	182039.2	183715.4	182436.7	179289.2	178076.1	181235.9
152711.6	8°	151646.1	150998.5	150199.4	152703.4	150486.2	148420.7	147006.8	149502.6
124826.7	9°	124593.0	123474.2	122662.7	122535.7	122879.9	119002.9	119789.8	121679.1
101507.2	10°	101544.1	99708.0	100154.8	100273.6	99896.6	97355.6	97380.2	98031.8
62257.6	12.5°	62036.3	61134.6	61360.1	61483.0	62249.4	61356.0	60093.7	59183.8
39253.7	15°	38991.4	38343.9	39667.6	40557.0	40376.7	39581.6	38987.3	38163.6
26094.0	17.5°	25852.2	26700.6	26704.7	27516.1	27598.1	26803.0	26344.0	25602.2
16971.1	20°	16909.7	17262.1	17995.7	18569.5	18901.5	18294.9	17745.7	17237.5
10581.9	22.5°	10581.9	11196.6	11655.6	12401.5	12704.8	12262.2	11872.8	11458.9
6606.5	25°	6495.8	6934.4	7315.5	7963.0	8377.0	8163.9	7807.3	7516.3
4266.4	27.5°	4331.9	4516.3	4704.9	5151.6	5581.9	5463.1	5319.6	5143.4
3008.2	30°	3053.2	3069.6	3270.5	3520.5	3807.3	3881.1	3815.5	3725.4
2209.0	32.5°	2250.0	2315.6	2409.8	2565.5	2758.2	2934.4	2901.6	2860.6
1688.5	35°	1737.7	1836.0	1913.9	2032.8	2135.2	2303.3	2331.9	2319.6
1389.3	37.5°	1418.0	1504.1	1582.0	1651.6	1737.7	1852.4	1942.6	1946.7
1147.5	40°	1176.2	1254.1	1356.5	1409.8	1471.3	1557.4	1668.0	1676.2
971.3	42.5°	991.8	1065.6	1168.0	1233.6	1278.7	1360.6	1471.3	1487.7
832.0	45°	852.5	897.5	1004.1	1082.0	1127.0	1180.3	1299.2	1315.6
717.2	47.5°	741.8	786.9	852.5	963.1	1004.1	1053.3	1147.5	1176.2
635.2	50°	651.6	696.7	754.1	852.5	913.9	954.9	1032.8	1073.8
553.3	52.5°	577.9	622.9	684.4	762.3	832.0	868.8	942.6	995.9
450.8	55°	483.6	561.5	606.6	676.2	770.5	803.3	860.6	930.3
393.4	57.5°	422.1	487.7	553.3	610.6	704.9	745.9	803.3	868.8
311.5	60°	356.6	418.0	495.9	545.1	635.2	688.5	750.0	811.5
237.7	62.5°	282.8	364.8	418.0	487.7	573.8	643.4	692.6	754.1
184.4	65°	209.0	299.2	360.7	434.4	516.4	590.2	631.1	696.7
131.1	67.5°	151.6	233.6	307.4	377.0	454.9	528.7	569.7	627.0
82.0	70°	118.9	172.1	254.1	315.6	397.5	459.0	504.1	541.0
53.3	72.5°	69.7	131.1	204.9	274.6	348.4	389.3	422.1	454.9
24.6	75°	45.1	102.5	168.0	229.5	282.8	319.7	348.4	377.0
12.3	77.5°	28.7	73.8	135.2	192.6	217.2	262.3	286.9	303.3
8.2	80°	16.4	57.4	118.9	155.7	176.2	204.9	229.5	250.0
8.2	82.5°	12.3	49.2	98.4	131.1	131.1	163.9	176.2	176.2
4.1	85°	8.2	41.0	77.9	122.9	98.4	122.9	114.8	114.8
4.1	87.5°	8.2	28.7	36.9	53.3	45.1	53.3	53.3	61.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
373770.9
361807.9
345029.4
316763.3
282103.8
244169.7
207842.2
172641.8
142375.7
115777.6
93597.4
58630.6
37741.4
25417.8
17061.3
11237.6
7348.3
5040.9
3663.9
2827.8
2278.7
1918.0
1663.9
1475.4
1311.5
1180.3
1077.9
995.9
934.4
872.9
827.9
782.8
709.0
631.1
553.3
463.1
377.0
295.1
225.4
163.9
110.7
61.5
0.0

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