

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: P637329

Luminaire Tested: **IFLD-S-SA6C-730-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637329
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-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (96) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36493.2 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

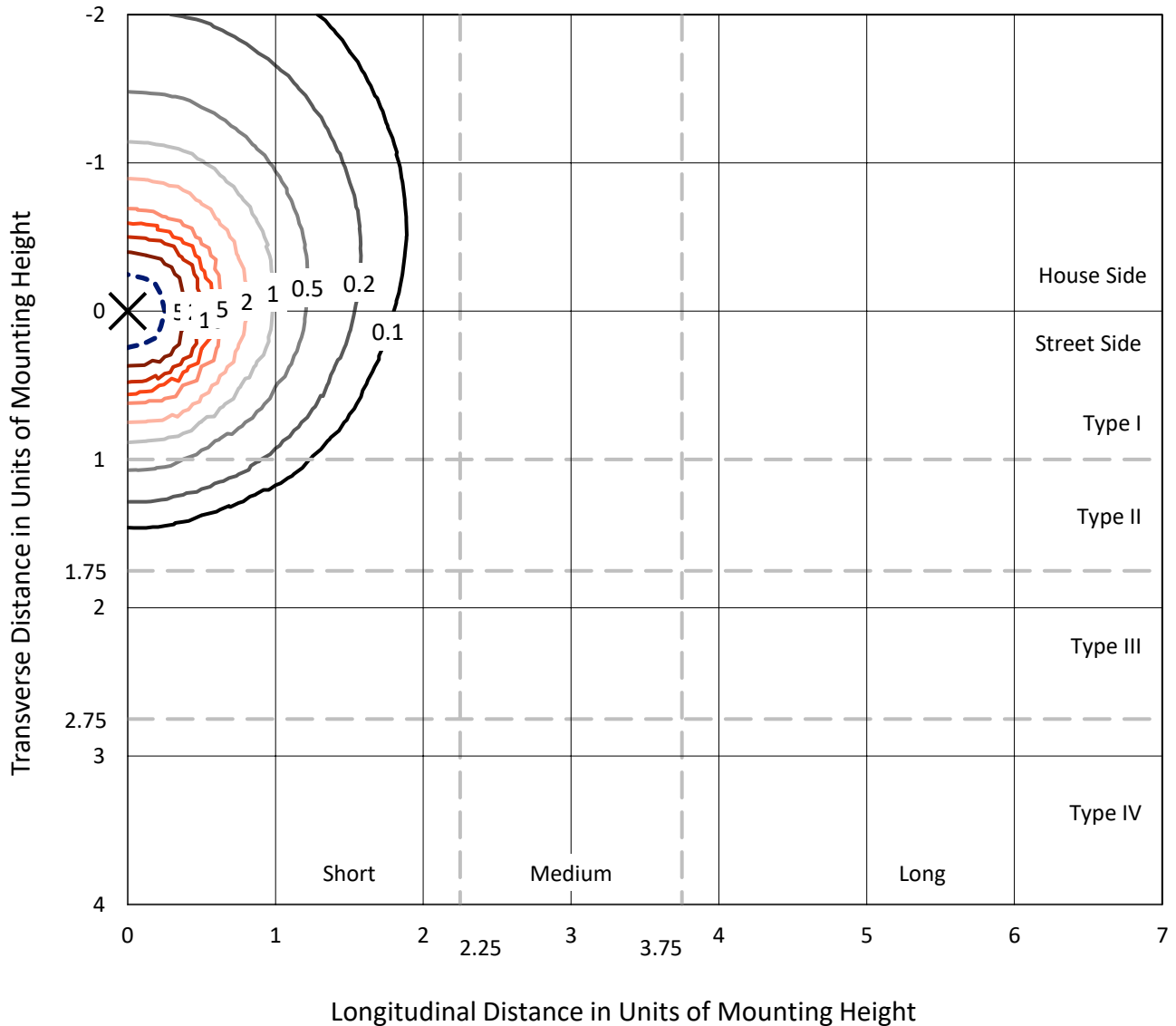
Input Watts (W): 321.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

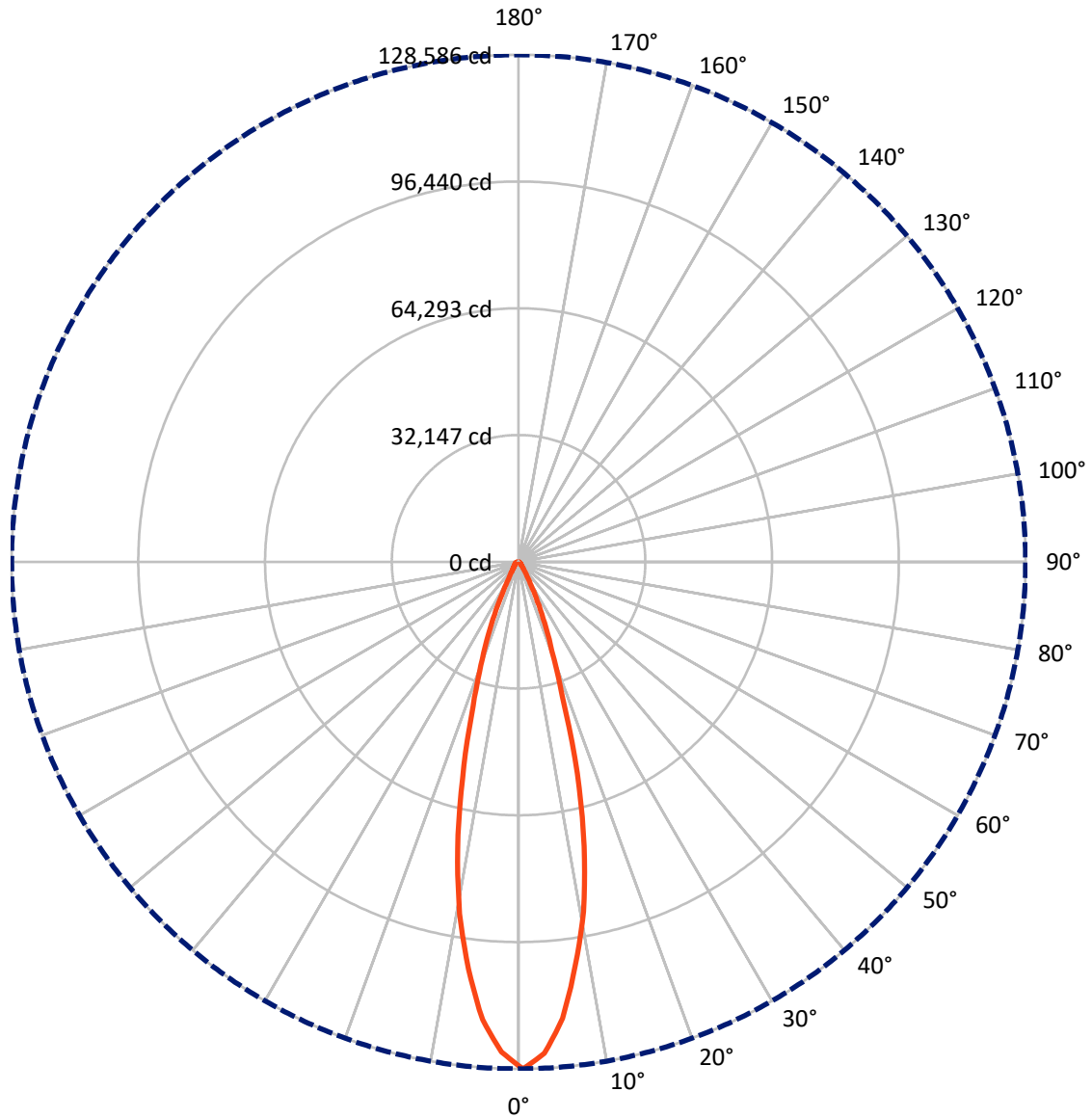
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 321.5 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	19241.7	0.0	19241.7
	% Fixture	52.7	0.0	52.7
Street Side	Lumens	17251.5	0.0	17251.5
	% Fixture	47.3	0.0	47.3
Total	Lumens	36493.2	0.0	36493.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10378.1	28.4
10°-20°	15717.5	43.1
20°-30°	6632.9	18.2
30°-40°	1729.9	4.7
40°-50°	875.0	2.4
50°-60°	571.9	1.6
60°-70°	342.6	0.9
70°-80°	180.3	0.5
80°-90°	65.1	0.2
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°	36493.2	100.0
0°-180°	36493.2	100.0

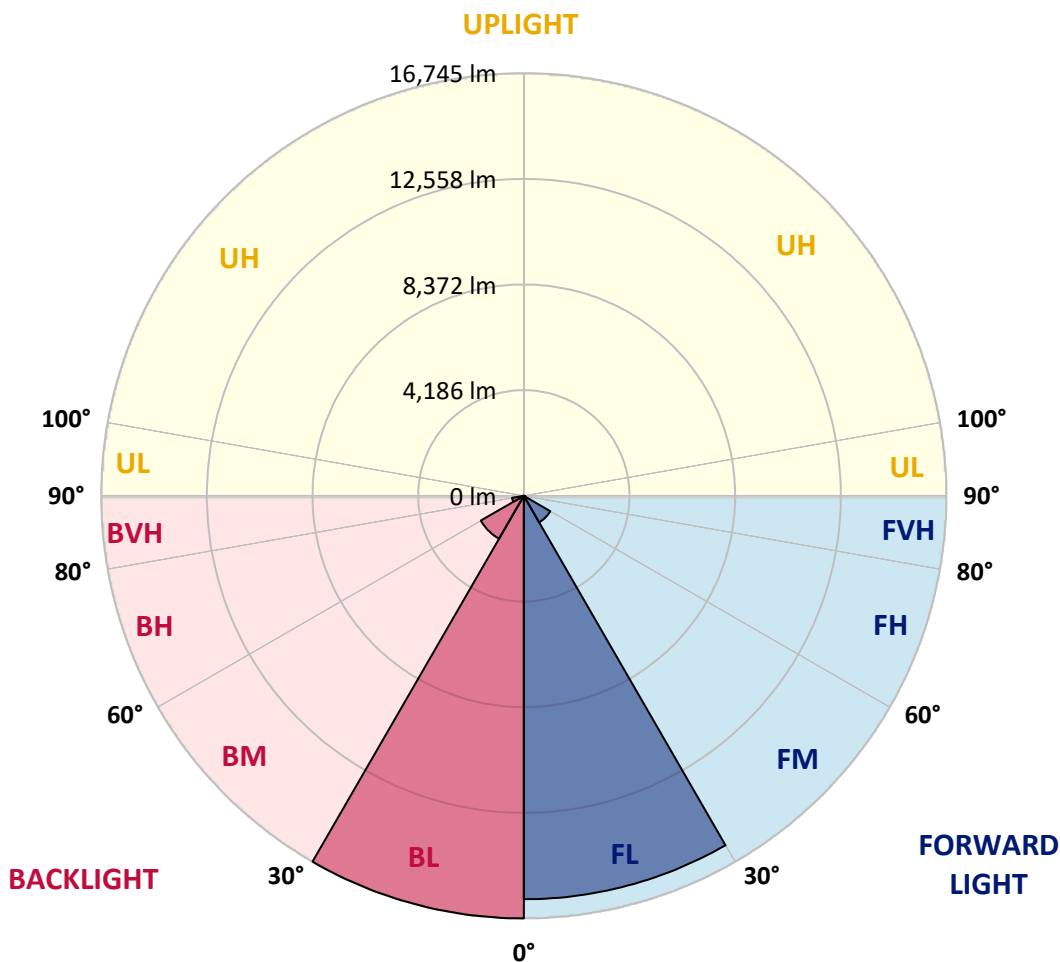


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	15983.8	43.8			
FM (30°-60°)	1210.5	3.3			
FH (60°-80°)	49.3	0.1			G0/660
FVH (80°-90°)	7.9	0.0			G0/10
BL (0°-30°)	16744.6	45.9	B5		
BM (30°-60°)	1966.3	5.4	B2/2500		
BH (60°-80°)	473.6	1.3	B1/500		G0/660
BVH (80°-90°)	57.2	0.2			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°	128586.3	128586.3	128586.3	128586.3	128586.3	128586.3	128586.3	128586.3	128586.3	128586.3
2.5°	124840.6	124910.2	124652.0	125209.4	124775.0	125938.9	125361.0	126262.6	125959.4	126463.5
5°	116316.2	116201.5	116127.7	116992.4	116742.4	117992.4	117193.2	116931.0	117742.4	117594.9
7.5°	103443.7	103746.9	103574.8	103800.2	103927.2	105353.4	105804.2	105451.8	105464.1	105669.0
10°	90247.3	89800.6	89165.4	89587.5	90480.9	91103.9	90853.9	91370.2	91255.5	91743.2
12.5°	74010.1	74362.5	74006.0	73629.0	75190.4	75018.3	75452.7	75735.5	75026.5	76604.3
15°	55748.3	55932.8	56367.2	56338.5	57539.3	57781.1	57723.7	58022.9	57469.6	57731.9
17.5°	35814.5	36437.4	37605.4	39580.8	41802.0	42060.2	41994.7	41748.8	41482.4	41187.3
20°	24056.7	23991.1	24413.2	24991.1	29589.3	30806.5	30769.6	29999.1	28884.4	28671.3
22.5°	16852.0	16974.9	16917.5	17491.3	18442.1	21798.5	21384.6	20601.8	20237.1	19999.4
25°	11085.7	11040.7	11327.5	11499.7	12315.2	12725.0	14175.8	13884.8	13323.4	13384.8
27.5°	6758.0	6815.4	6921.9	7069.5	7647.3	7516.2	8344.0	8454.7	8274.3	8081.7
30°	4147.4	4188.4	4274.5	4381.0	4581.8	4438.4	4667.9	5065.4	4999.9	4864.6
32.5°	2815.5	2819.6	2881.1	2922.0	2897.5	2762.2	2836.0	3213.0	3221.2	3208.9
35°	2024.5	2024.5	2081.9	2114.7	2045.0	1934.4	1946.7	2180.3	2282.7	2303.2
37.5°	1397.5	1401.6	1500.0	1598.3	1520.4	1491.8	1442.6	1598.3	1762.2	1786.8
40°	1061.4	1057.3	1106.5	1180.3	1188.5	1135.2	1151.6	1250.0	1418.0	1438.5
42.5°	860.6	864.7	889.3	881.1	885.2	954.9	979.5	1024.6	1180.3	1217.2
45°	725.4	729.5	741.8	700.8	684.4	791.0	823.7	848.3	979.5	1024.6
47.5°	598.3	606.5	618.8	573.8	565.6	635.2	692.6	717.2	831.9	881.1
50°	430.3	438.5	483.6	459.0	483.6	500.0	577.9	614.7	692.6	758.2
52.5°	311.5	319.7	332.0	336.1	397.5	405.7	463.1	520.5	557.4	631.1
55°	245.9	254.1	245.9	237.7	291.0	336.1	356.5	418.0	446.7	532.8
57.5°	139.3	147.5	159.8	184.4	192.6	258.2	278.7	332.0	356.5	438.5
60°	24.6	28.7	45.1	110.7	135.2	163.9	209.0	254.1	286.9	344.3
62.5°	4.1	4.1	8.2	24.6	77.9	114.8	151.6	180.3	209.0	262.3
65°	0.0	0.0	4.1	8.2	20.5	65.6	82.0	106.6	143.4	188.5
67.5°	0.0	0.0	4.1	8.2	12.3	24.6	36.9	65.6	82.0	127.0
70°	0.0	0.0	4.1	8.2	12.3	16.4	20.5	28.7	49.2	77.9
72.5°	0.0	0.0	4.1	8.2	12.3	16.4	20.5	24.6	24.6	49.2
75°	0.0	0.0	4.1	8.2	12.3	20.5	24.6	24.6	20.5	20.5
77.5°	0.0	0.0	4.1	8.2	16.4	24.6	28.7	24.6	16.4	16.4
80°	0.0	0.0	8.2	12.3	20.5	28.7	36.9	28.7	16.4	8.2
82.5°	0.0	0.0	8.2	16.4	20.5	32.8	45.1	36.9	16.4	8.2
85°	0.0	0.0	4.1	12.3	24.6	32.8	45.1	32.8	16.4	4.1
87.5°	0.0	0.0	4.1	4.1	8.2	12.3	24.6	20.5	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°
128586.3	0°	128586.3	128586.3	128586.3	128586.3	128586.3	128586.3	128586.3	128586.3	128586.3
125508.6	2.5°	126229.9	126885.6	127020.8	126840.5	127102.8	126631.5	126270.8	125336.4	124775.0
117549.8	5°	118308.0	118209.6	118894.0	119119.4	119090.7	118730.1	118226.0	117660.4	117111.3
105271.5	7.5°	105927.2	106054.2	106677.2	107074.7	106873.9	106423.1	106074.7	105648.5	105279.7
91919.4	10°	92759.5	91886.6	92661.2	92661.2	93198.1	91923.5	92042.4	90968.6	91017.8
76575.6	12.5°	76837.9	77153.4	77280.5	77645.2	77018.2	76342.0	75514.2	75350.2	74837.9
57231.9	15°	58055.7	58957.3	58182.7	59506.4	58867.1	58162.2	58035.2	56764.7	57166.3
41511.1	17.5°	41306.2	42302.0	42613.5	43371.7	42789.7	42371.7	41843.0	41457.8	41429.1
29060.6	20°	29290.1	30290.1	30519.6	31429.4	31363.8	31232.7	30786.0	30298.3	29769.6
19782.2	22.5°	20081.4	20896.9	21659.2	22884.6	22864.1	22478.8	22433.8	21745.3	21757.6
13364.4	25°	13503.7	14097.9	14278.3	15532.3	15671.7	15630.7	15397.1	14757.8	14999.6
8163.7	27.5°	8171.9	8692.4	9303.0	9745.6	10163.6	10098.1	9864.5	9507.9	9352.2
4905.6	30°	5036.7	5270.3	5495.7	6028.5	6278.5	6409.6	6299.0	5967.0	5991.6
3229.4	32.5°	3299.1	3495.8	3659.7	3995.8	4126.9	4368.7	4323.6	4254.0	4172.0
2323.7	35°	2405.7	2549.1	2659.8	2815.5	2983.5	3188.4	3221.2	3192.5	3159.7
1795.0	37.5°	1836.0	1983.5	2110.6	2176.2	2307.3	2467.1	2557.3	2553.2	2528.6
1463.1	40°	1491.8	1602.4	1717.2	1803.2	1893.4	2012.2	2122.9	2135.2	2135.2
1229.5	42.5°	1245.9	1340.1	1454.9	1545.0	1610.6	1721.3	1836.0	1844.2	1836.0
1041.0	45°	1065.5	1147.5	1258.2	1364.7	1418.0	1500.0	1610.6	1635.2	1618.8
893.4	47.5°	926.2	1000.0	1094.2	1209.0	1266.4	1340.1	1442.6	1471.3	1467.2
770.5	50°	795.1	881.1	975.4	1069.6	1143.4	1213.1	1311.4	1344.2	1331.9
655.7	52.5°	700.8	778.7	860.6	963.1	1049.1	1110.6	1188.5	1245.9	1229.5
553.3	55°	586.0	680.3	766.4	852.4	959.0	1024.6	1098.3	1168.0	1151.6
467.2	57.5°	508.2	586.0	684.4	762.3	868.8	946.7	1020.5	1094.2	1090.1
381.1	60°	426.2	508.2	602.4	684.4	782.8	868.8	942.6	1024.6	1032.8
286.9	62.5°	336.1	434.4	516.4	610.6	709.0	803.3	868.8	950.8	963.1
217.2	65°	254.1	356.5	446.7	536.9	635.2	737.7	795.1	864.7	877.0
159.8	67.5°	188.5	274.6	381.1	463.1	565.6	663.9	717.2	774.6	795.1
98.4	70°	143.4	209.0	319.7	397.5	504.1	581.9	639.3	688.5	704.9
65.6	72.5°	90.2	163.9	258.2	340.2	434.4	504.1	545.1	573.8	598.3
36.9	75°	61.5	127.0	209.0	291.0	360.6	413.9	450.8	475.4	495.9
16.4	77.5°	36.9	98.4	172.1	241.8	286.9	327.9	364.7	381.1	393.4
12.3	80°	20.5	73.8	143.4	196.7	225.4	254.1	282.8	303.3	311.5
8.2	82.5°	12.3	57.4	114.8	151.6	163.9	192.6	221.3	233.6	233.6
4.1	85°	8.2	41.0	77.9	110.7	118.8	139.3	147.5	155.7	163.9
4.1	87.5°	8.2	24.6	49.2	61.5	65.6	73.8	77.9	86.1	94.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
128586.3
124361.1
116496.5
104029.7
90538.3
74370.7
56764.7
40666.8
29540.1
21519.9
14618.4
9216.9
5885.1
4143.3
3147.4
2516.3
2110.6
1827.8
1618.8
1459.0
1323.7
1225.4
1159.8
1094.2
1036.9
971.3
889.3
803.3
713.1
594.2
491.8
389.3
303.3
229.5
159.8
90.2
0.0

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