

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: P637266

Luminaire Tested: **IFLD-S-SA3C-722-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637266
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-722-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (48) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15048.5 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

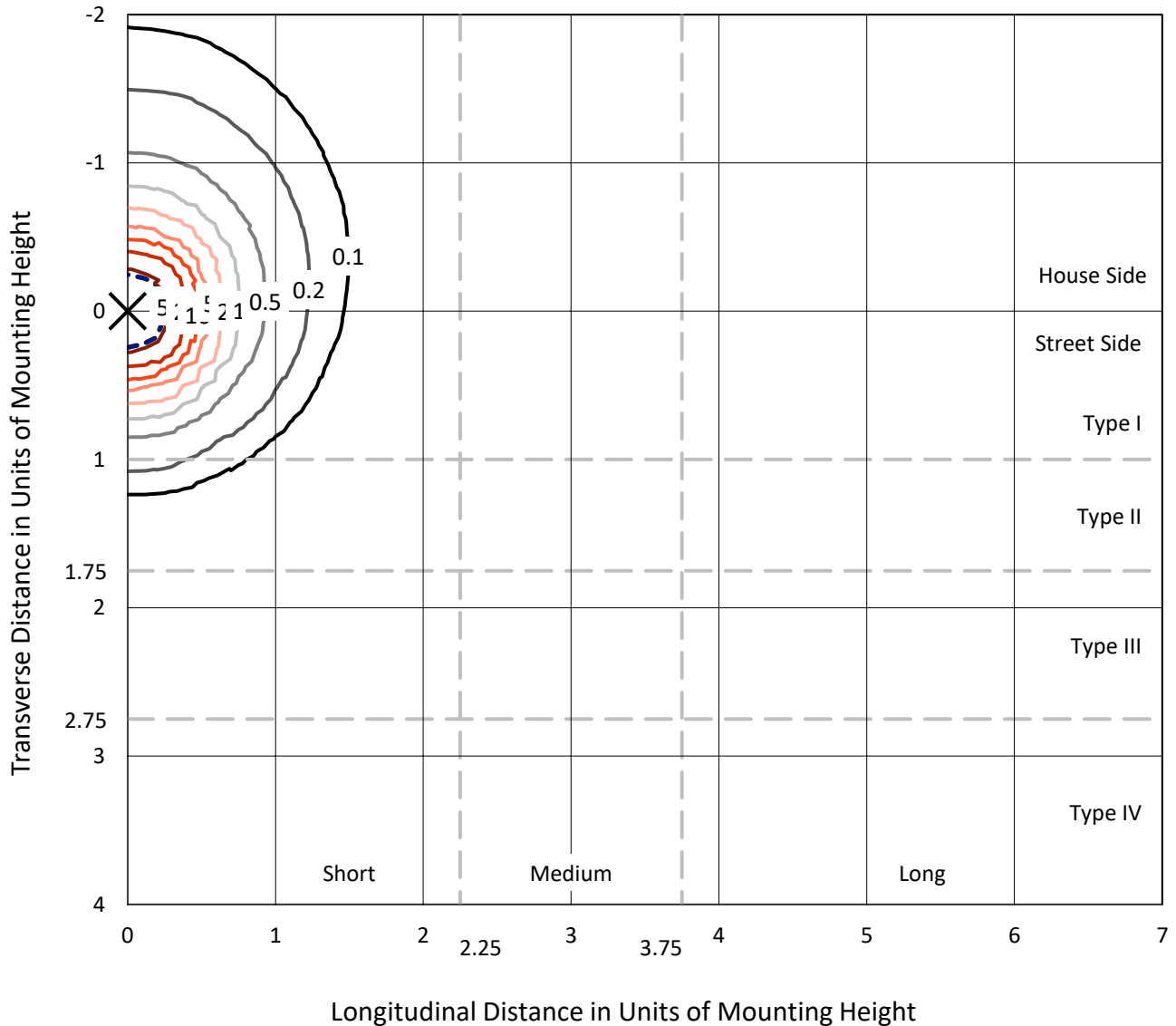
Input Watts (W): 160.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

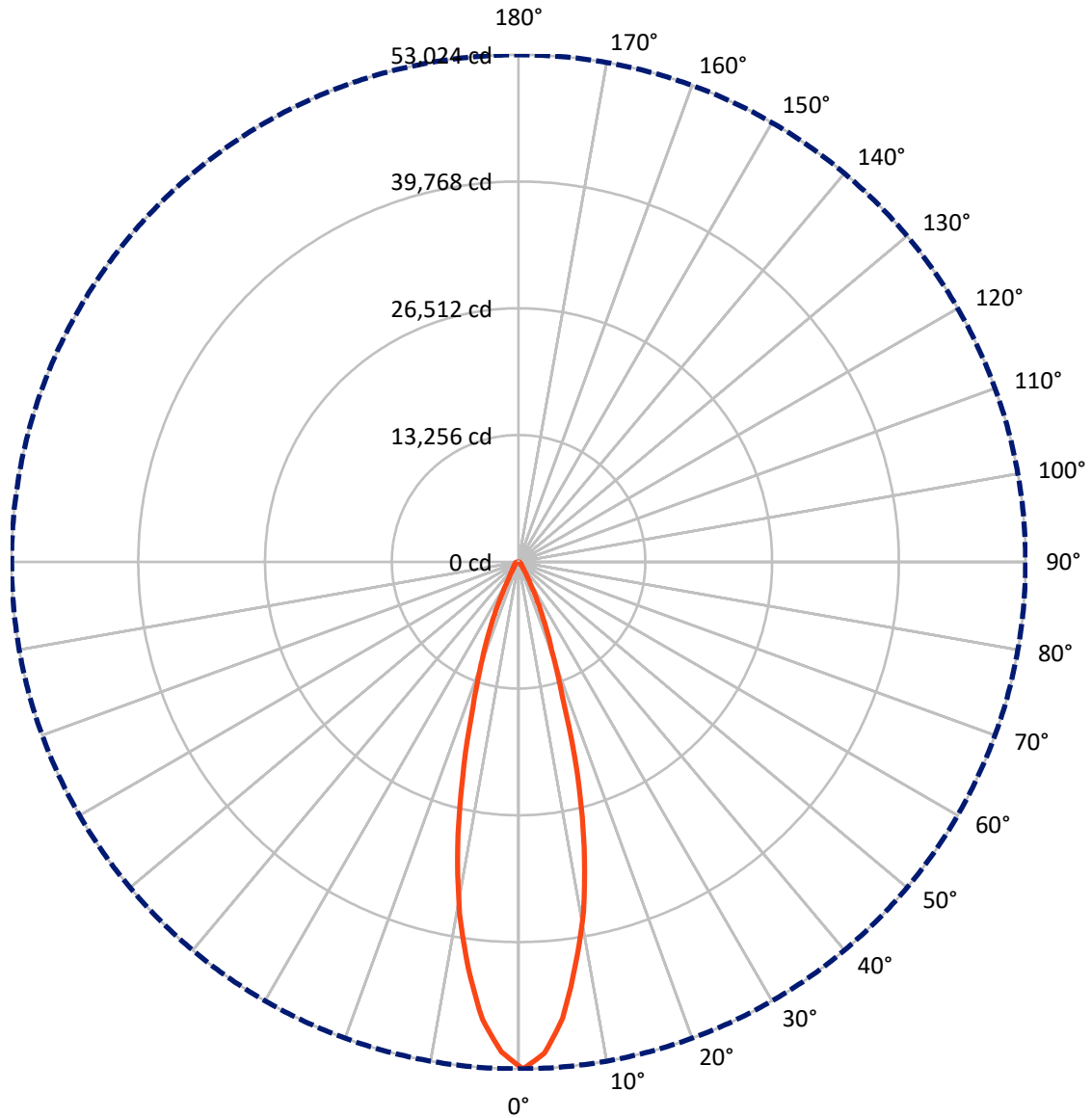
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 132.6 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	7934.6	0.0	7934.6
	% Fixture	52.7	0.0	52.7
Street Side	Lumens	7113.9	0.0	7113.9
	% Fixture	47.3	0.0	47.3
Total	Lumens	15048.5	0.0	15048.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4279.5	28.4
10°-20°	6481.3	43.1
20°-30°	2735.2	18.2
30°-40°	713.3	4.7
40°-50°	360.8	2.4
50°-60°	235.8	1.6
60°-70°	141.3	0.9
70°-80°	74.3	0.5
80°-90°	26.8	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°	15048.5	100.0
0°-180°	15048.5	100.0

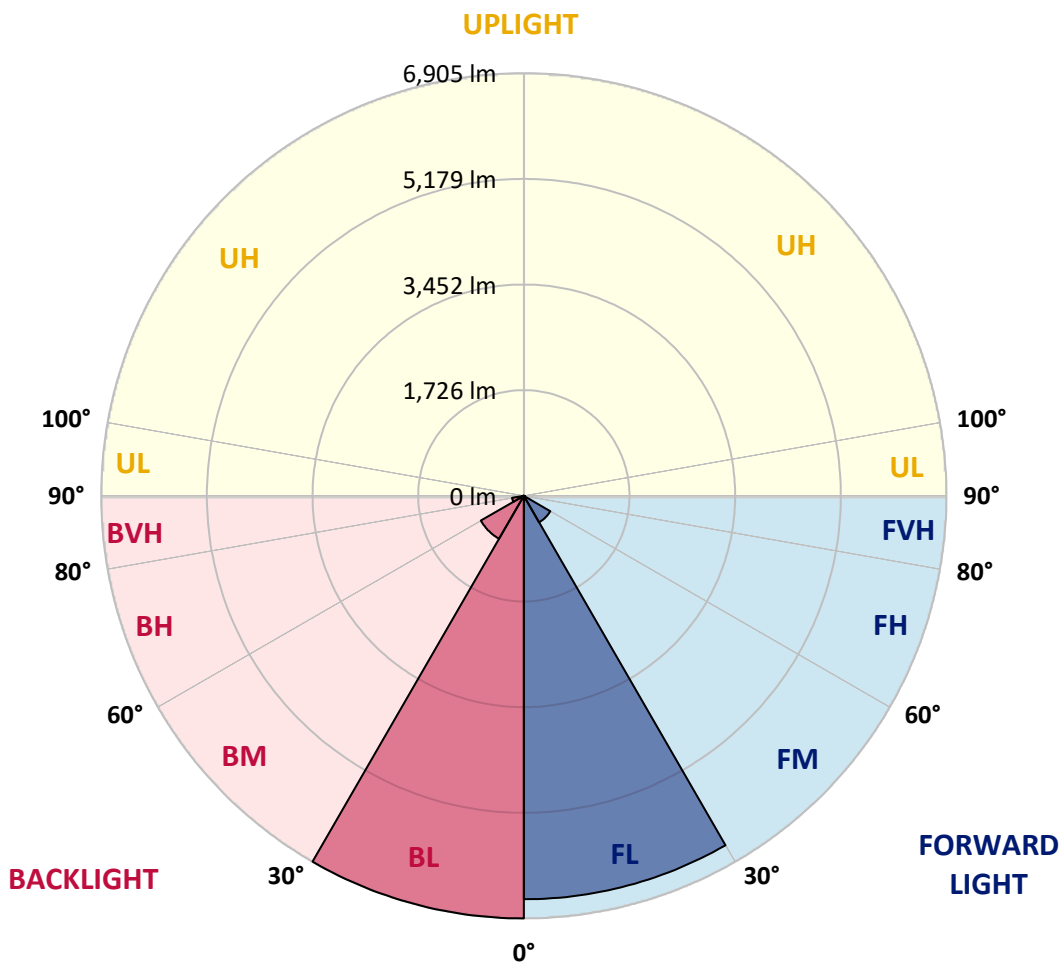


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6591.1	43.8			
FM (30°-60°)	499.2	3.3			
FH (60°-80°)	20.3	0.1			G0/660
FVH (80°-90°)	3.3	0.0			G0/10
BL (0°-30°)	6904.9	45.9	B5		
BM (30°-60°)	810.8	5.4	B1/1000		
BH (60°-80°)	195.3	1.3	B1/500		G0/660
BVH (80°-90°)	23.6	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°	53024.4	53024.4	53024.4	53024.4	53024.4	53024.4	53024.4	53024.4	53024.4	53024.4
2.5°	51479.7	51508.5	51402.0	51631.8	51452.7	51932.6	51694.4	52066.1	51941.1	52149.0
5°	47964.6	47917.3	47886.9	48243.4	48140.4	48655.8	48326.3	48218.1	48552.7	48491.9
7.5°	42656.4	42781.5	42710.5	42803.4	42855.8	43443.9	43629.8	43484.5	43489.6	43574.1
10°	37214.7	37030.5	36768.6	36942.6	37311.1	37567.9	37464.8	37677.8	37630.5	37831.6
12.5°	30519.1	30664.4	30517.4	30361.9	31005.8	30934.8	31114.0	31230.6	30938.2	31588.8
15°	22988.6	23064.6	23243.8	23232.0	23727.1	23826.8	23803.2	23926.5	23698.4	23806.5
17.5°	14768.6	15025.5	15507.1	16321.7	17237.6	17344.1	17317.1	17215.7	17105.8	16984.2
20°	9920.1	9893.1	10067.1	10305.4	12201.6	12703.5	12688.3	12370.5	11910.9	11823.0
22.5°	6949.1	6999.8	6976.2	7212.8	7604.8	8988.9	8818.2	8495.5	8345.0	8247.0
25°	4571.4	4552.8	4671.1	4742.0	5078.3	5247.3	5845.6	5725.6	5494.1	5519.4
27.5°	2786.8	2810.4	2854.4	2915.2	3153.5	3099.4	3440.8	3486.4	3412.0	3332.6
30°	1710.2	1727.1	1762.6	1806.6	1889.4	1830.2	1924.9	2088.8	2061.8	2006.0
32.5°	1161.0	1162.7	1188.0	1204.9	1194.8	1139.0	1169.5	1324.9	1328.3	1323.2
35°	834.8	834.8	858.5	872.0	843.3	797.7	802.7	899.1	941.3	949.8
37.5°	576.3	578.0	618.5	659.1	627.0	615.1	594.9	659.1	726.7	736.8
40°	437.7	436.0	456.3	486.7	490.1	468.1	474.9	515.4	584.7	593.2
42.5°	354.9	356.6	366.7	363.3	365.0	393.8	403.9	422.5	486.7	501.9
45°	299.1	300.8	305.9	289.0	282.2	326.2	339.7	349.8	403.9	422.5
47.5°	246.7	250.1	255.2	236.6	233.2	261.9	285.6	295.7	343.1	363.3
50°	177.4	180.8	199.4	189.3	199.4	206.2	238.3	253.5	285.6	312.6
52.5°	128.4	131.8	136.9	138.6	163.9	167.3	191.0	214.6	229.8	260.3
55°	101.4	104.8	101.4	98.0	120.0	138.6	147.0	172.4	184.2	219.7
57.5°	57.5	60.8	65.9	76.0	79.4	106.5	114.9	136.9	147.0	180.8
60°	10.1	11.8	18.6	45.6	55.8	67.6	86.2	104.8	118.3	142.0
62.5°	1.7	1.7	3.4	10.1	32.1	47.3	62.5	74.4	86.2	108.2
65°	0.0	0.0	1.7	3.4	8.4	27.0	33.8	43.9	59.1	77.7
67.5°	0.0	0.0	1.7	3.4	5.1	10.1	15.2	27.0	33.8	52.4
70°	0.0	0.0	1.7	3.4	5.1	6.8	8.4	11.8	20.3	32.1
72.5°	0.0	0.0	1.7	3.4	5.1	6.8	8.4	10.1	10.1	20.3
75°	0.0	0.0	1.7	3.4	5.1	8.4	10.1	10.1	8.4	8.4
77.5°	0.0	0.0	1.7	3.4	6.8	10.1	11.8	10.1	6.8	6.8
80°	0.0	0.0	3.4	5.1	8.4	11.8	15.2	11.8	6.8	3.4
82.5°	0.0	0.0	3.4	6.8	8.4	13.5	18.6	15.2	6.8	3.4
85°	0.0	0.0	1.7	5.1	10.1	13.5	18.6	13.5	6.8	1.7
87.5°	0.0	0.0	1.7	1.7	3.4	5.1	10.1	8.4	3.4	1.7
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°
53024.4	0°	53024.4	53024.4	53024.4	53024.4	53024.4	53024.4	53024.4	53024.4	53024.4
51755.2	2.5°	52052.6	52323.0	52378.8	52304.4	52412.6	52218.2	52069.5	51684.2	51452.7
48473.3	5°	48785.9	48745.4	49027.6	49120.5	49108.7	48960.0	48752.1	48518.9	48292.5
43410.1	7.5°	43680.5	43732.9	43989.8	44153.7	44070.9	43885.0	43741.4	43565.6	43413.5
37904.2	10°	38250.7	37890.7	38210.1	38210.1	38431.5	37905.9	37954.9	37512.2	37532.4
31577.0	12.5°	31685.2	31815.3	31867.7	32018.1	31759.5	31480.7	31139.3	31071.7	30860.5
23600.4	15°	23940.1	24311.8	23992.4	24538.3	24274.7	23984.0	23931.6	23407.7	23573.3
17117.7	17.5°	17033.2	17443.8	17572.3	17884.9	17644.9	17472.6	17254.5	17095.7	17083.9
11983.5	20°	12078.2	12490.5	12585.2	12960.3	12933.3	12879.2	12695.0	12493.9	12275.9
8157.5	22.5°	8280.8	8617.1	8931.5	9436.8	9428.3	9269.5	9250.9	8967.0	8972.0
5511.0	25°	5568.4	5813.5	5887.8	6405.0	6462.4	6445.5	6349.2	6085.6	6185.3
3366.4	27.5°	3369.8	3584.4	3836.2	4018.7	4191.1	4164.1	4067.7	3920.7	3856.5
2022.9	30°	2077.0	2173.3	2266.2	2485.9	2589.0	2643.1	2597.5	2460.6	2470.7
1331.7	32.5°	1360.4	1441.5	1509.1	1647.7	1701.8	1801.5	1782.9	1754.2	1720.4
958.2	35°	992.0	1051.2	1096.8	1161.0	1230.3	1314.8	1328.3	1316.5	1303.0
740.2	37.5°	757.1	817.9	870.3	897.4	951.5	1017.4	1054.5	1052.8	1042.7
603.3	40°	615.1	660.8	708.1	743.6	780.8	829.8	875.4	880.5	880.5
507.0	42.5°	513.7	552.6	599.9	637.1	664.2	709.8	757.1	760.5	757.1
429.3	45°	439.4	473.2	518.8	562.8	584.7	618.5	664.2	674.3	667.5
368.4	47.5°	381.9	412.4	451.2	498.5	522.2	552.6	594.9	606.7	605.0
317.7	50°	327.9	363.3	402.2	441.1	471.5	500.2	540.8	554.3	549.2
270.4	52.5°	289.0	321.1	354.9	397.1	432.6	458.0	490.1	513.7	507.0
228.1	55°	241.7	280.5	316.0	351.5	395.5	422.5	452.9	481.6	474.9
192.7	57.5°	209.6	241.7	282.2	314.3	358.3	390.4	420.8	451.2	449.5
157.2	60°	175.8	209.6	248.4	282.2	322.8	358.3	388.7	422.5	425.9
118.3	62.5°	138.6	179.1	212.9	251.8	292.4	331.2	358.3	392.1	397.1
89.6	65°	104.8	147.0	184.2	221.4	261.9	304.2	327.9	356.6	361.7
65.9	67.5°	77.7	113.2	157.2	191.0	233.2	273.8	295.7	319.4	327.9
40.6	70°	59.1	86.2	131.8	163.9	207.9	240.0	263.6	283.9	290.7
27.0	72.5°	37.2	67.6	106.5	140.3	179.1	207.9	224.8	236.6	246.7
15.2	75°	25.3	52.4	86.2	120.0	148.7	170.7	185.9	196.0	204.5
6.8	77.5°	15.2	40.6	71.0	99.7	118.3	135.2	150.4	157.2	162.2
5.1	80°	8.4	30.4	59.1	81.1	92.9	104.8	116.6	125.1	128.4
3.4	82.5°	5.1	23.7	47.3	62.5	67.6	79.4	91.3	96.3	96.3
1.7	85°	3.4	16.9	32.1	45.6	49.0	57.5	60.8	64.2	67.6
1.7	87.5°	3.4	10.1	20.3	25.3	27.0	30.4	32.1	35.5	38.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
53024.4
51282.0
48039.0
42898.1
37334.7
30667.8
23407.7
16769.5
12181.3
8874.0
6028.1
3800.7
2426.8
1708.6
1297.9
1037.6
870.3
753.7
667.5
601.6
545.9
505.3
478.3
451.2
427.6
400.5
366.7
331.2
294.1
245.0
202.8
160.5
125.1
94.6
65.9
37.2
0.0

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