

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: P637284

Luminaire Tested: **IFLD-L-SA8A-722-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637284
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-722-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (128) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24336.9 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

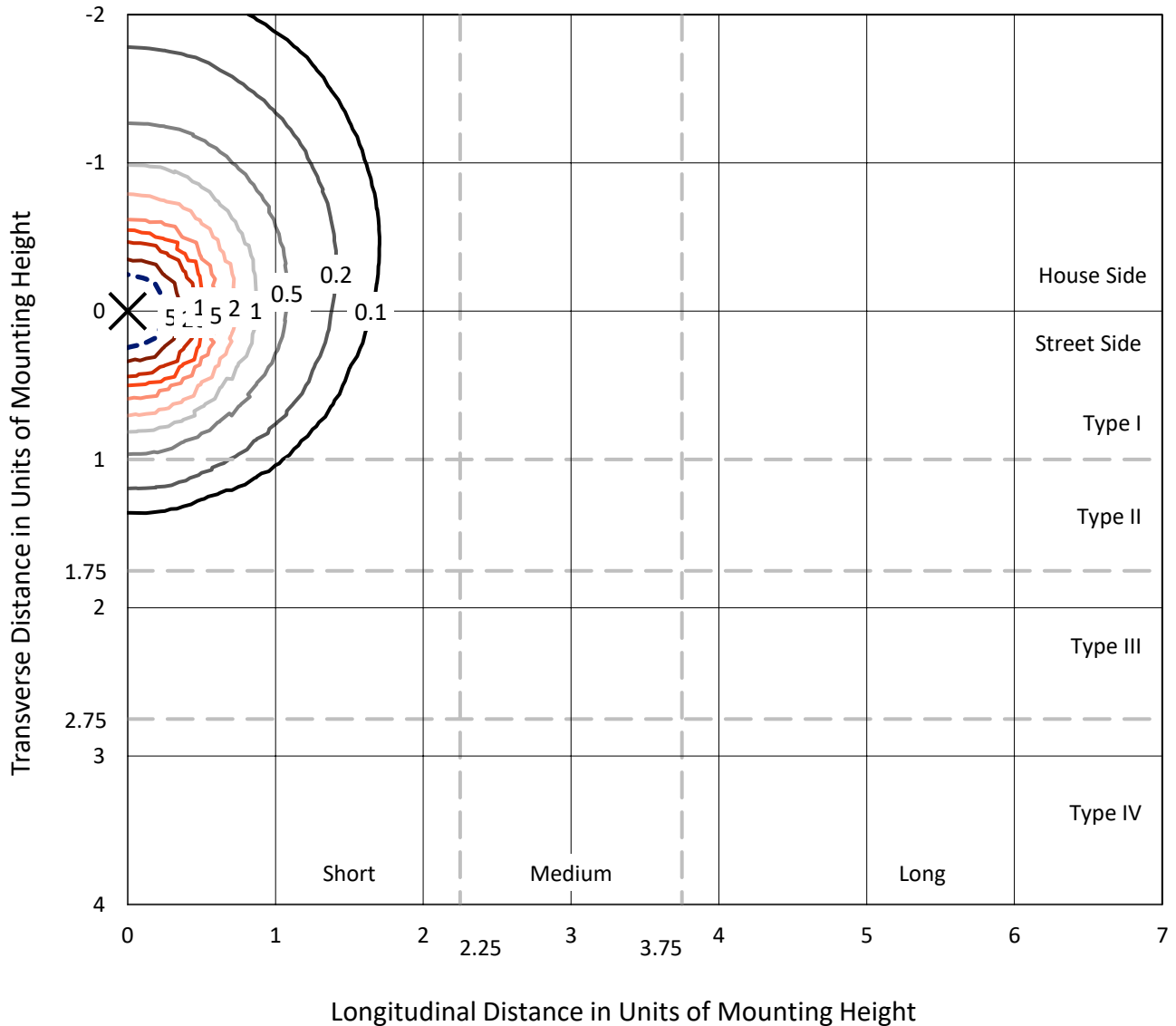
Input Watts (W): 247.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

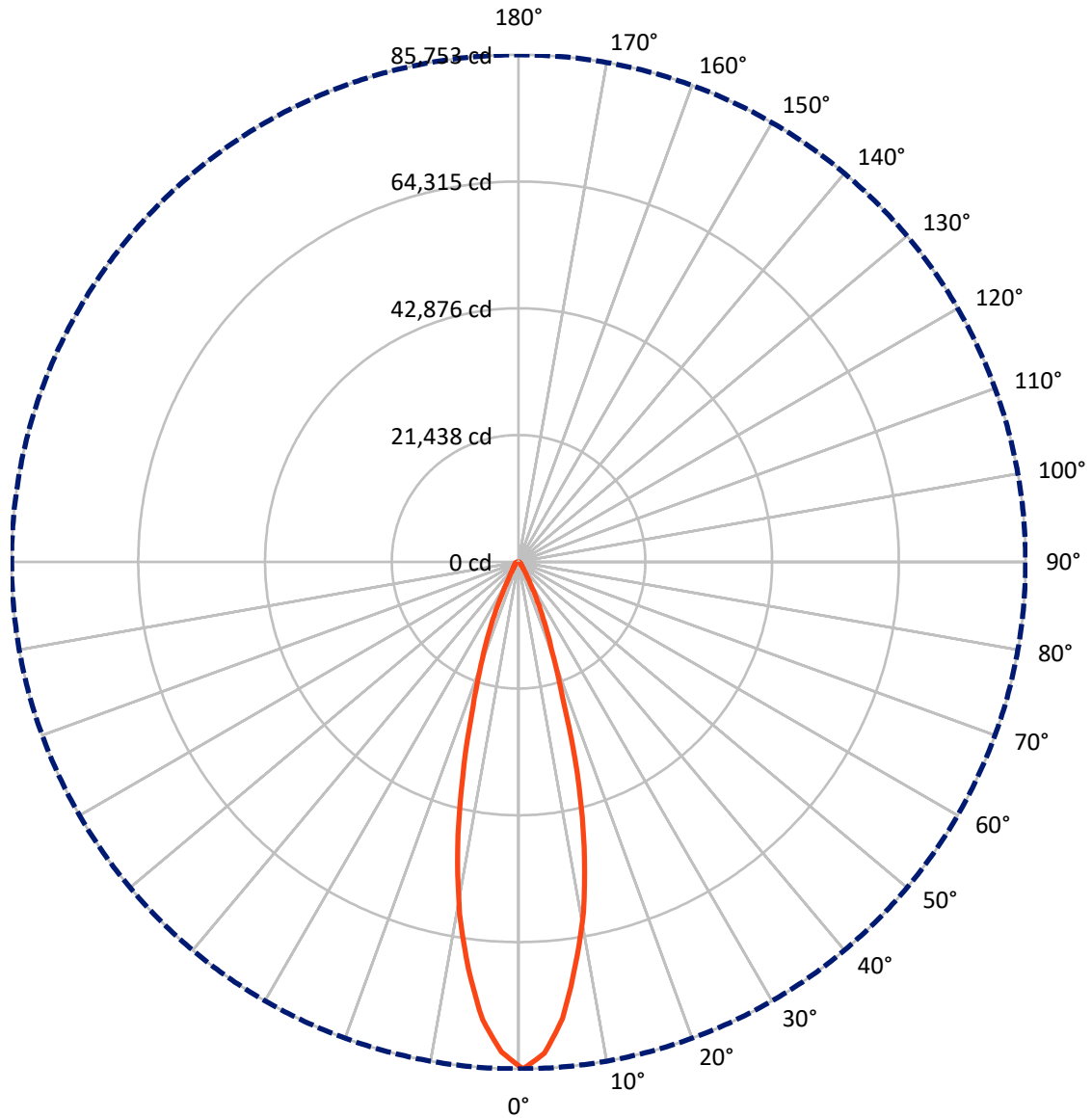
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 214.4 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	12832.1	0.0	12832.1
	% Fixture	52.7	0.0	52.7
Street Side	Lumens	11504.9	0.0	11504.9
	% Fixture	47.3	0.0	47.3
Total	Lumens	24336.9	0.0	24336.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6921.0	28.4
10°-20°	10481.8	43.1
20°-30°	4423.4	18.2
30°-40°	1153.7	4.7
40°-50°	583.5	2.4
50°-60°	381.4	1.6
60°-70°	228.5	0.9
70°-80°	120.2	0.5
80°-90°	43.4	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°	24336.9	100.0
0°-180°	24336.9	100.0

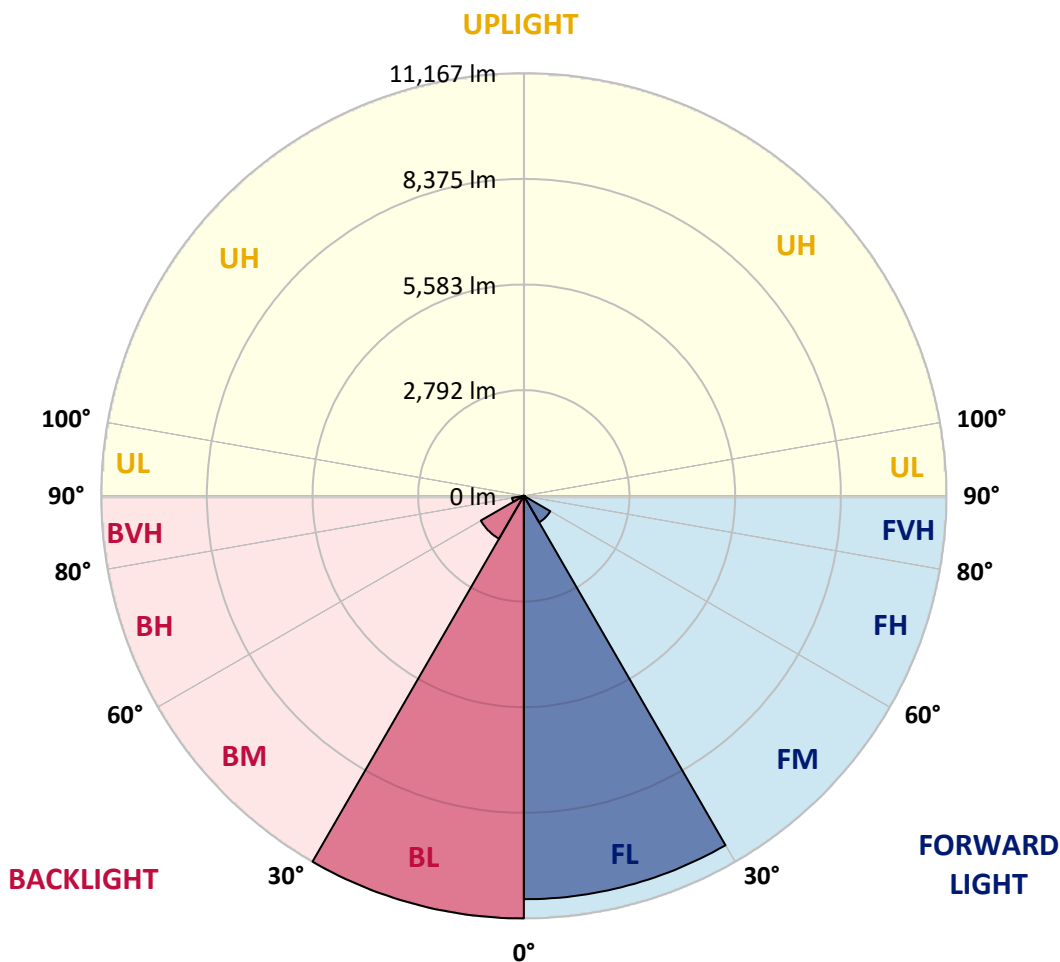


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10659.4	43.8			
FM (30°-60°)	807.3	3.3			
FH (60°-80°)	32.9	0.1			G0/660
FVH (80°-90°)	5.3	0.0			G0/10
BL (0°-30°)	11166.8	45.9	B5		
BM (30°-60°)	1311.3	5.4	B2/2500		
BH (60°-80°)	315.8	1.3	B1/500		G0/660
BVH (80°-90°)	38.1	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°	85752.9	85752.9	85752.9	85752.9	85752.9	85752.9	85752.9	85752.9	85752.9	85752.9
2.5°	83254.8	83301.3	83129.1	83500.8	83211.1	83987.3	83601.9	84203.2	84001.0	84337.1
5°	77570.0	77493.5	77444.3	78021.0	77854.3	78687.9	78154.9	77980.0	78521.1	78422.8
7.5°	68985.5	69187.7	69072.9	69223.2	69308.0	70259.1	70559.7	70324.7	70332.9	70469.5
10°	60185.0	59887.1	59463.4	59744.9	60340.8	60756.2	60589.5	60933.8	60857.3	61182.5
12.5°	49356.5	49591.6	49353.8	49102.4	50143.7	50028.9	50318.6	50507.2	50034.3	51086.6
15°	37178.0	37301.0	37590.7	37571.5	38372.3	38533.6	38495.3	38694.8	38325.9	38500.8
17.5°	23884.3	24299.7	25078.7	26396.0	27877.3	28049.5	28005.8	27841.8	27664.1	27467.4
20°	16043.1	15999.4	16280.9	16666.3	19732.8	20544.5	20519.9	20006.1	19262.7	19120.6
22.5°	11238.4	11320.4	11282.1	11664.7	12298.8	14537.2	14261.2	13739.2	13495.9	13337.4
25°	7393.0	7362.9	7554.2	7669.0	8212.9	8486.2	9453.7	9259.6	8885.2	8926.2
27.5°	4506.8	4545.1	4616.2	4714.5	5099.9	5012.5	5564.5	5638.3	5518.1	5389.6
30°	2765.9	2793.2	2850.6	2921.7	3055.6	2959.9	3113.0	3378.1	3334.3	3244.2
32.5°	1877.6	1880.4	1921.3	1948.7	1932.3	1842.1	1891.3	2142.7	2148.2	2140.0
35°	1350.1	1350.1	1388.4	1410.3	1363.8	1290.0	1298.2	1454.0	1522.3	1536.0
37.5°	932.0	934.7	1000.3	1065.9	1014.0	994.8	962.0	1065.9	1175.2	1191.6
40°	707.9	705.1	737.9	787.1	792.6	757.1	768.0	833.6	945.6	959.3
42.5°	573.9	576.7	593.1	587.6	590.3	636.8	653.2	683.3	787.1	811.7
45°	483.8	486.5	494.7	467.4	456.4	527.5	549.3	565.7	653.2	683.3
47.5°	399.0	404.5	412.7	382.6	377.2	423.6	461.9	478.3	554.8	587.6
50°	287.0	292.4	322.5	306.1	322.5	333.4	385.4	410.0	461.9	505.6
52.5°	207.7	213.2	221.4	224.1	265.1	270.6	308.8	347.1	371.7	420.9
55°	164.0	169.5	164.0	158.5	194.0	224.1	237.8	278.8	297.9	355.3
57.5°	92.9	98.4	106.6	123.0	128.5	172.2	185.8	221.4	237.8	292.4
60°	16.4	19.1	30.1	73.8	90.2	109.3	139.4	169.5	191.3	229.6
62.5°	2.7	2.7	5.5	16.4	51.9	76.5	101.1	120.3	139.4	174.9
65°	0.0	0.0	2.7	5.5	13.7	43.7	54.7	71.1	95.7	125.7
67.5°	0.0	0.0	2.7	5.5	8.2	16.4	24.6	43.7	54.7	84.7
70°	0.0	0.0	2.7	5.5	8.2	10.9	13.7	19.1	32.8	51.9
72.5°	0.0	0.0	2.7	5.5	8.2	10.9	13.7	16.4	16.4	32.8
75°	0.0	0.0	2.7	5.5	8.2	13.7	16.4	16.4	13.7	13.7
77.5°	0.0	0.0	2.7	5.5	10.9	16.4	19.1	16.4	10.9	10.9
80°	0.0	0.0	5.5	8.2	13.7	19.1	24.6	19.1	10.9	5.5
82.5°	0.0	0.0	5.5	10.9	13.7	21.9	30.1	24.6	10.9	5.5
85°	0.0	0.0	2.7	8.2	16.4	21.9	30.1	21.9	10.9	2.7
87.5°	0.0	0.0	2.7	2.7	5.5	8.2	16.4	13.7	5.5	2.7
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°
85752.9	0°	85752.9	85752.9	85752.9	85752.9	85752.9	85752.9	85752.9	85752.9	85752.9
83700.3	2.5°	84181.3	84618.6	84708.8	84588.6	84763.5	84449.2	84208.7	83585.5	83211.1
78392.7	5°	78898.3	78832.7	79289.1	79439.5	79420.3	79179.8	78843.6	78466.5	78100.2
70204.4	7.5°	70641.7	70726.4	71141.9	71407.0	71273.0	70972.4	70740.1	70455.8	70209.9
61300.1	10°	61860.3	61278.2	61794.7	61794.7	62152.8	61302.8	61382.1	60666.0	60698.8
51067.4	12.5°	51242.4	51452.8	51537.5	51780.8	51362.6	50911.7	50359.6	50250.3	49908.6
38167.3	15°	38716.7	39318.0	38801.4	39684.2	39257.8	38787.8	38703.0	37855.8	38123.6
27683.3	17.5°	27546.6	28210.8	28418.5	28924.1	28536.0	28257.2	27904.7	27647.8	27628.6
19380.2	20°	19533.3	20200.1	20353.2	20959.9	20916.2	20828.7	20530.8	20205.6	19853.0
13192.5	22.5°	13392.1	13935.9	14444.3	15261.5	15247.8	14990.9	14960.8	14501.7	14509.9
8912.5	25°	9005.5	9401.8	9522.0	10358.3	10451.3	10423.9	10268.1	9841.8	10003.0
5444.3	27.5°	5449.7	5796.8	6204.1	6499.2	6778.0	6734.3	6578.5	6340.7	6236.9
3271.5	30°	3358.9	3514.7	3665.0	4020.3	4187.1	4274.5	4200.7	3979.4	3995.8
2153.7	32.5°	2200.1	2331.3	2440.6	2664.7	2752.2	2913.5	2883.4	2836.9	2782.3
1549.7	35°	1604.3	1700.0	1773.8	1877.6	1989.7	2126.3	2148.2	2129.1	2107.2
1197.1	37.5°	1224.4	1322.8	1407.5	1451.3	1538.7	1645.3	1705.4	1702.7	1686.3
975.7	40°	994.8	1068.6	1145.2	1202.6	1262.7	1341.9	1415.7	1423.9	1423.9
819.9	42.5°	830.9	893.7	970.2	1030.4	1074.1	1147.9	1224.4	1229.9	1224.4
694.2	45°	710.6	765.3	839.1	910.1	945.6	1000.3	1074.1	1090.5	1079.6
595.8	47.5°	617.7	666.9	729.7	806.3	844.5	893.7	962.0	981.2	978.4
513.8	50°	530.2	587.6	650.5	713.3	762.5	809.0	874.6	896.4	888.2
437.3	52.5°	467.4	519.3	573.9	642.3	699.7	740.7	792.6	830.9	819.9
369.0	55°	390.8	453.7	511.1	568.5	639.5	683.3	732.5	778.9	768.0
311.6	57.5°	338.9	390.8	456.4	508.4	579.4	631.3	680.5	729.7	727.0
254.2	60°	284.2	338.9	401.8	456.4	522.0	579.4	628.6	683.3	688.7
191.3	62.5°	224.1	289.7	344.4	407.2	472.8	535.7	579.4	634.1	642.3
144.9	65°	169.5	237.8	297.9	358.0	423.6	492.0	530.2	576.7	584.9
106.6	67.5°	125.7	183.1	254.2	308.8	377.2	442.8	478.3	516.6	530.2
65.6	70°	95.7	139.4	213.2	265.1	336.2	388.1	426.4	459.2	470.1
43.7	72.5°	60.1	109.3	172.2	226.8	289.7	336.2	363.5	382.6	399.0
24.6	75°	41.0	84.7	139.4	194.0	240.5	276.0	300.6	317.0	330.7
10.9	77.5°	24.6	65.6	114.8	161.3	191.3	218.6	243.2	254.2	262.4
8.2	80°	13.7	49.2	95.7	131.2	150.3	169.5	188.6	202.2	207.7
5.5	82.5°	8.2	38.3	76.5	101.1	109.3	128.5	147.6	155.8	155.8
2.7	85°	5.5	27.3	51.9	73.8	79.3	92.9	98.4	103.9	109.3
2.7	87.5°	5.5	16.4	32.8	41.0	43.7	49.2	51.9	57.4	62.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
85752.9
82935.1
77690.3
69376.3
60379.0
49597.0
37855.8
27120.3
19700.0
14351.4
9748.9
6146.7
3924.7
2763.1
2099.0
1678.1
1407.5
1218.9
1079.6
973.0
882.8
817.2
773.5
729.7
691.5
647.7
593.1
535.7
475.6
396.3
328.0
259.6
202.2
153.1
106.6
60.1
0.0

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