

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: P637272

Luminaire Tested: **IFLD-S-SA6D-722-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637272
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-722-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (96) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32482.5 lumens
Efficiency: N/A
Efficacy: 88.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

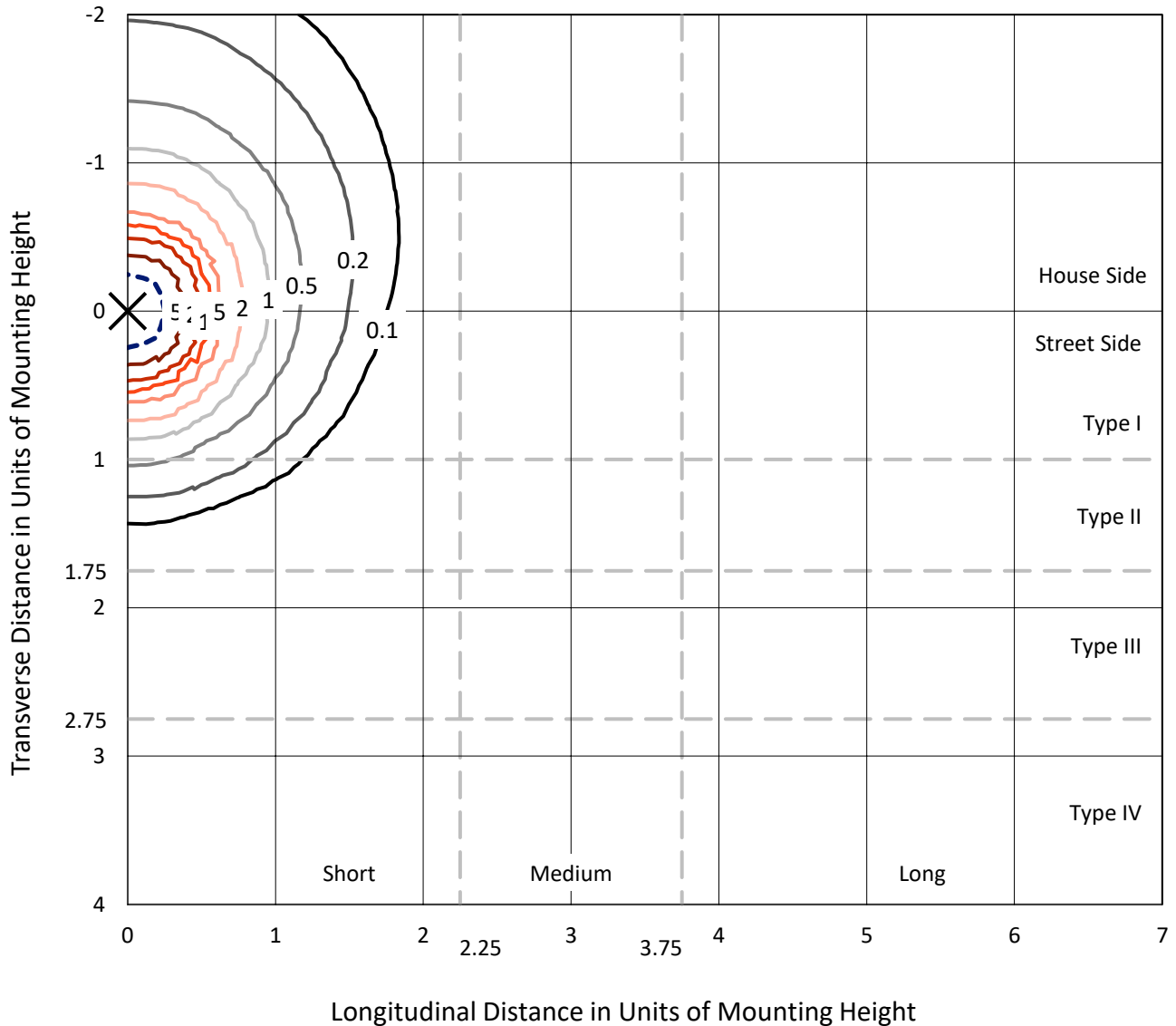
Input Watts (W): 368.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

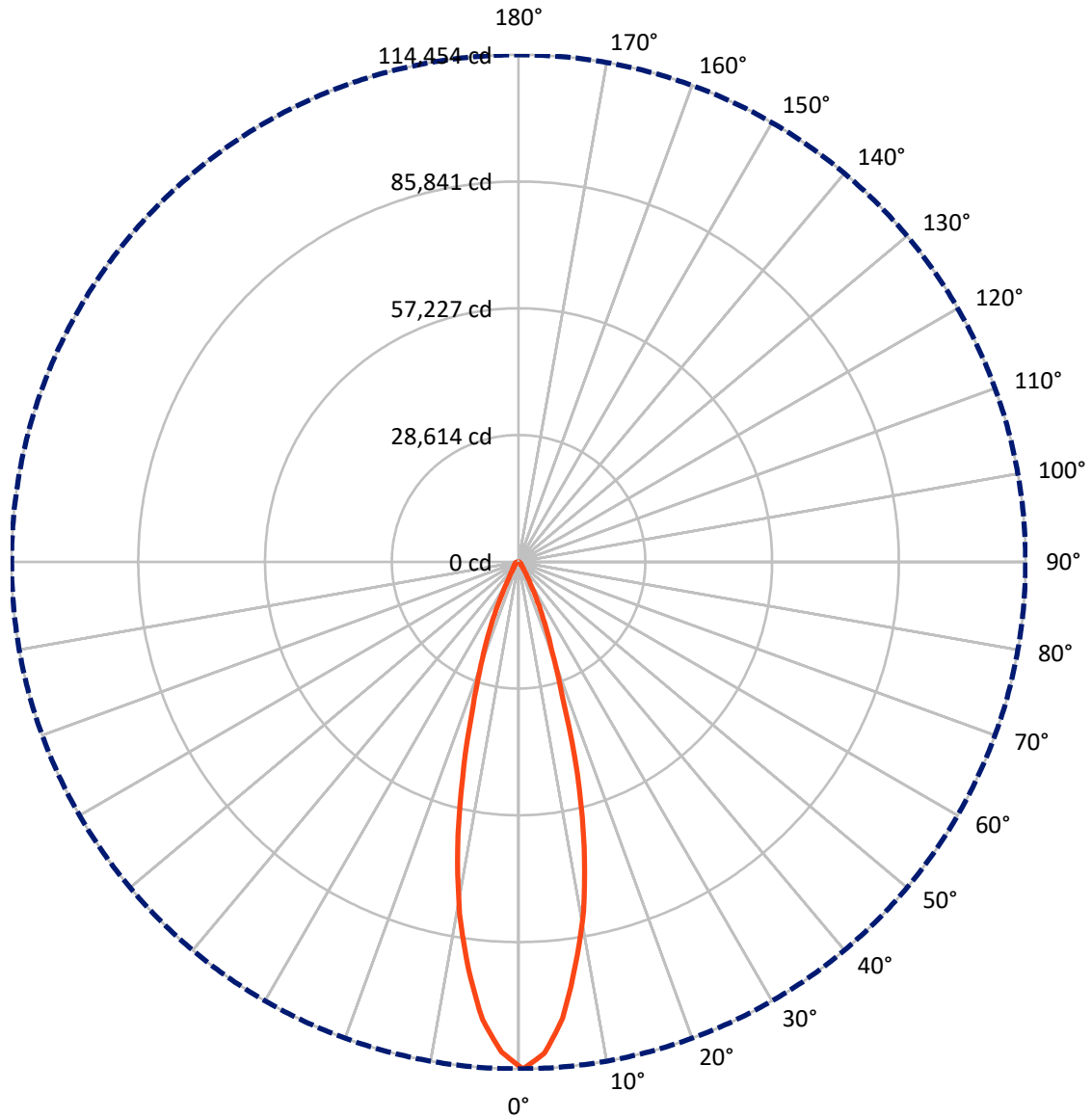
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 286.1 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	17127.0	0.0	17127.0
	% Fixture	52.7	0.0	52.7
Street Side	Lumens	15355.5	0.0	15355.5
	% Fixture	47.3	0.0	47.3
Total	Lumens	32482.5	0.0	32482.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9237.5	28.4
10°-20°	13990.1	43.1
20°-30°	5903.9	18.2
30°-40°	1539.8	4.7
40°-50°	778.8	2.4
50°-60°	509.1	1.6
60°-70°	305.0	0.9
70°-80°	160.4	0.5
80°-90°	57.9	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°	32482.5	100.0
0°-180°	32482.5	100.0

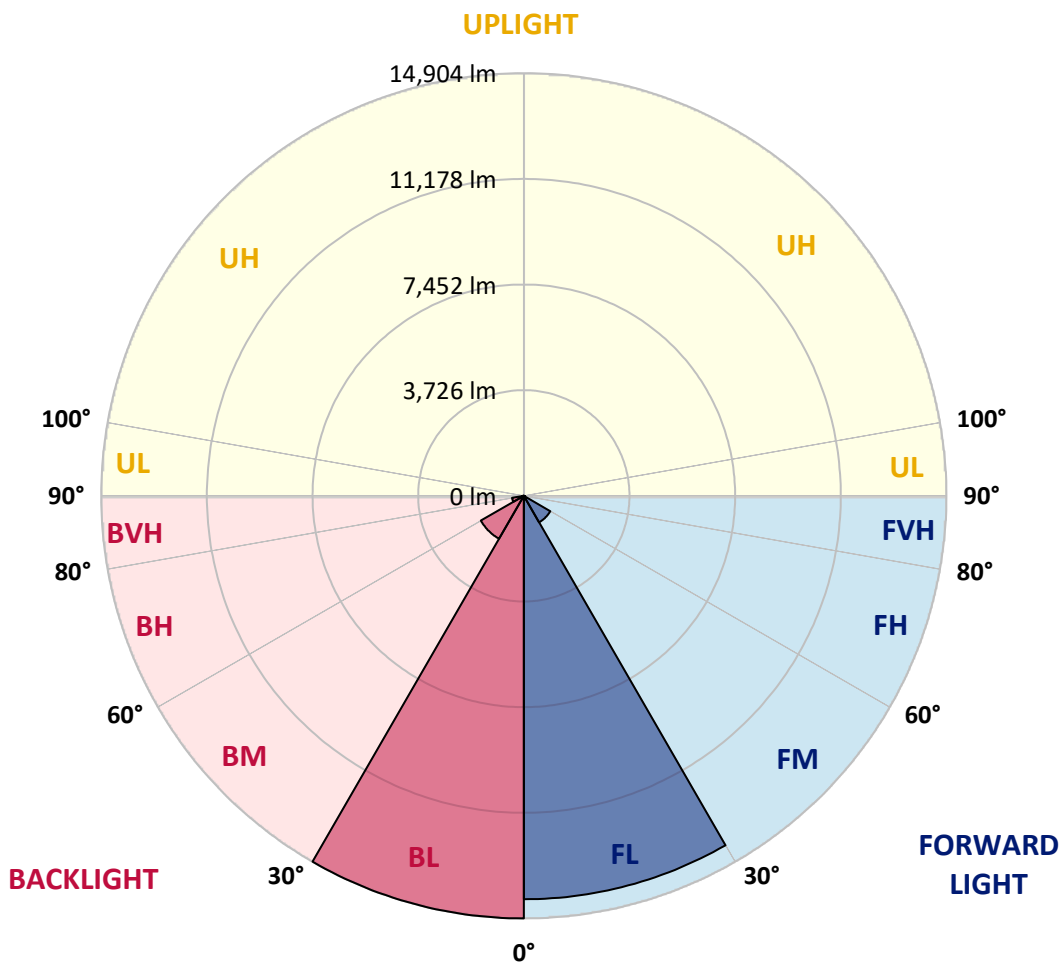


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	14227.1	43.8			
FM (30°-60°)	1077.5	3.3			
FH (60°-80°)	43.9	0.1			G0/660
FVH (80°-90°)	7.0	0.0			G0/10
BL (0°-30°)	14904.4	45.9	B5		
BM (30°-60°)	1750.2	5.4	B2/2500		
BH (60°-80°)	421.5	1.3	B1/500		G0/660
BVH (80°-90°)	50.9	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°	114454.4	114454.4	114454.4	114454.4	114454.4	114454.4	114454.4	114454.4	114454.4	114454.4
2.5°	111120.3	111182.3	110952.5	111448.6	111061.9	112097.9	111583.6	112386.1	112116.2	112564.8
5°	103532.8	103430.7	103365.0	104134.7	103912.2	105024.8	104313.4	104080.0	104802.3	104670.9
7.5°	92075.0	92344.9	92191.7	92392.3	92505.4	93774.9	94176.1	93862.4	93873.3	94055.7
10°	80328.9	79931.3	79365.9	79741.6	80536.9	81091.3	80868.8	81328.4	81226.3	81660.4
12.5°	65876.2	66189.9	65872.6	65537.0	66926.8	66773.6	67160.3	67412.0	66780.9	68185.3
15°	49621.5	49785.6	50172.3	50146.8	51215.6	51430.8	51379.7	51646.0	51153.6	51387.0
17.5°	31878.4	32432.9	33472.5	35230.8	37207.9	37437.7	37379.3	37160.5	36923.4	36660.7
20°	21412.8	21354.4	21730.1	22244.5	26337.4	27420.8	27387.9	26702.1	25709.9	25520.2
22.5°	14999.9	15109.3	15058.3	15569.0	16415.3	19402.8	19034.4	18337.7	18013.0	17801.4
25°	9867.4	9827.3	10082.6	10235.8	10961.7	11326.5	12617.9	12358.9	11859.1	11913.8
27.5°	6015.3	6066.3	6161.2	6292.5	6806.9	6690.1	7427.0	7525.5	7365.0	7193.5
30°	3691.6	3728.1	3804.7	3899.5	4078.3	3950.6	4154.9	4508.7	4450.4	4330.0
32.5°	2506.1	2509.7	2564.4	2600.9	2579.0	2458.6	2524.3	2859.9	2867.2	2856.3
35°	1802.0	1802.0	1853.1	1882.3	1820.3	1721.8	1732.7	1940.6	2031.8	2050.1
37.5°	1243.9	1247.6	1335.1	1422.7	1353.3	1327.8	1284.0	1422.7	1568.6	1590.5
40°	944.8	941.1	984.9	1050.6	1057.9	1010.4	1025.0	1112.6	1262.2	1280.4
42.5°	766.0	769.7	791.6	784.3	787.9	849.9	871.8	912.0	1050.6	1083.4
45°	645.7	649.3	660.3	623.8	609.2	704.0	733.2	755.1	871.8	912.0
47.5°	532.6	539.9	550.8	510.7	503.4	565.4	616.5	638.4	740.5	784.3
50°	383.0	390.3	430.4	408.6	430.4	445.0	514.3	547.2	616.5	674.8
52.5°	277.2	284.5	295.5	299.1	353.8	361.1	412.2	463.3	496.1	561.8
55°	218.9	226.2	218.9	211.6	259.0	299.1	317.4	372.1	397.6	474.2
57.5°	124.0	131.3	142.3	164.2	171.4	229.8	248.1	295.5	317.4	390.3
60°	21.9	25.5	40.1	98.5	120.4	145.9	186.0	226.2	255.3	306.4
62.5°	3.6	3.6	7.3	21.9	69.3	102.1	135.0	160.5	186.0	233.5
65°	0.0	0.0	3.6	7.3	18.2	58.4	73.0	94.8	127.7	167.8
67.5°	0.0	0.0	3.6	7.3	10.9	21.9	32.8	58.4	73.0	113.1
70°	0.0	0.0	3.6	7.3	10.9	14.6	18.2	25.5	43.8	69.3
72.5°	0.0	0.0	3.6	7.3	10.9	14.6	18.2	21.9	21.9	43.8
75°	0.0	0.0	3.6	7.3	10.9	18.2	21.9	21.9	18.2	18.2
77.5°	0.0	0.0	3.6	7.3	14.6	21.9	25.5	21.9	14.6	14.6
80°	0.0	0.0	7.3	10.9	18.2	25.5	32.8	25.5	14.6	7.3
82.5°	0.0	0.0	7.3	14.6	18.2	29.2	40.1	32.8	14.6	7.3
85°	0.0	0.0	3.6	10.9	21.9	29.2	40.1	29.2	14.6	3.6
87.5°	0.0	0.0	3.6	3.6	7.3	10.9	21.9	18.2	7.3	3.6
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°
114454.4	0°	114454.4	114454.4	114454.4	114454.4	114454.4	114454.4	114454.4	114454.4	114454.4
111714.9	2.5°	112356.9	112940.6	113060.9	112900.4	113133.9	112714.4	112393.4	111561.7	111061.9
104630.8	5°	105305.7	105218.1	105827.3	106027.9	106002.4	105681.4	105232.7	104729.3	104240.5
93701.9	7.5°	94285.6	94398.6	94953.1	95306.9	95128.2	94726.9	94416.9	94037.5	93709.2
81817.3	10°	82565.1	81788.1	82477.5	82477.5	82955.4	81820.9	81926.7	80971.0	81014.7
68159.8	12.5°	68393.2	68674.1	68787.2	69111.9	68553.7	67951.8	67215.0	67069.1	66613.1
50942.0	15°	51675.2	52477.7	51788.3	52966.5	52397.5	51770.1	51657.0	50526.1	50883.6
36948.9	17.5°	36766.5	37652.9	37930.2	38605.0	38087.0	37715.0	37244.4	36901.5	36875.9
25866.8	20°	26071.1	26961.1	27165.4	27975.2	27916.9	27800.1	27402.5	26968.4	26497.9
17608.1	22.5°	17874.4	18600.3	19278.8	20369.5	20351.3	20008.4	19968.2	19355.4	19366.3
11895.6	25°	12019.6	12548.5	12709.1	13825.3	13949.3	13912.8	13704.9	13135.8	13351.1
7266.5	27.5°	7273.8	7737.1	8280.6	8674.5	9046.6	8988.3	8780.3	8463.0	8324.4
4366.5	30°	4483.2	4691.1	4891.7	5366.0	5588.5	5705.2	5606.7	5311.2	5333.1
2874.5	32.5°	2936.5	3111.6	3257.5	3556.6	3673.4	3888.6	3848.5	3786.5	3713.5
2068.3	35°	2141.3	2269.0	2367.4	2506.1	2655.6	2838.0	2867.2	2841.7	2812.5
1597.8	37.5°	1634.2	1765.6	1878.6	1937.0	2053.7	2196.0	2276.2	2272.6	2250.7
1302.3	40°	1327.8	1426.3	1528.4	1605.0	1685.3	1791.1	1889.6	1900.5	1900.5
1094.4	42.5°	1108.9	1192.8	1295.0	1375.2	1433.6	1532.1	1634.2	1641.5	1634.2
926.5	45°	948.4	1021.4	1119.9	1214.7	1262.2	1335.1	1433.6	1455.5	1440.9
795.2	47.5°	824.4	890.1	974.0	1076.1	1127.2	1192.8	1284.0	1309.6	1305.9
685.8	50°	707.7	784.3	868.2	952.1	1017.7	1079.8	1167.3	1196.5	1185.5
583.7	52.5°	623.8	693.1	766.0	857.2	933.8	988.6	1057.9	1108.9	1094.4
492.5	55°	521.6	605.5	682.1	758.7	853.6	912.0	977.6	1039.6	1025.0
415.9	57.5°	452.3	521.6	609.2	678.5	773.3	842.6	908.3	974.0	970.3
339.2	60°	379.4	452.3	536.2	609.2	696.7	773.3	839.0	912.0	919.3
255.3	62.5°	299.1	386.7	459.6	543.5	631.1	715.0	773.3	846.3	857.2
193.3	65°	226.2	317.4	397.6	477.9	565.4	656.6	707.7	769.7	780.6
142.3	67.5°	167.8	244.4	339.2	412.2	503.4	590.9	638.4	689.4	707.7
87.5	70°	127.7	186.0	284.5	353.8	448.7	518.0	569.1	612.8	627.4
58.4	72.5°	80.3	145.9	229.8	302.8	386.7	448.7	485.2	510.7	532.6
32.8	75°	54.7	113.1	186.0	259.0	321.0	368.4	401.3	423.1	441.4
14.6	77.5°	32.8	87.5	153.2	215.2	255.3	291.8	324.7	339.2	350.2
10.9	80°	18.2	65.7	127.7	175.1	200.6	226.2	251.7	269.9	277.2
7.3	82.5°	10.9	51.1	102.1	135.0	145.9	171.4	197.0	207.9	207.9
3.6	85°	7.3	36.5	69.3	98.5	105.8	124.0	131.3	138.6	145.9
3.6	87.5°	7.3	21.9	43.8	54.7	58.4	65.7	69.3	76.6	83.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
114454.4
110693.5
103693.3
92596.6
80587.9
66197.2
50526.1
36197.5
26293.6
19154.8
13011.8
8204.0
5238.3
3688.0
2801.5
2239.8
1878.6
1626.9
1440.9
1298.6
1178.3
1090.7
1032.3
974.0
922.9
864.5
791.6
715.0
634.7
528.9
437.7
346.5
269.9
204.3
142.3
80.3
0.0

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