

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: P637415

Luminaire Tested: **IFLD-S-SA6B-750-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637415
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-750-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (96) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32931.4 lumens
Efficiency: N/A
Efficacy: 134.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

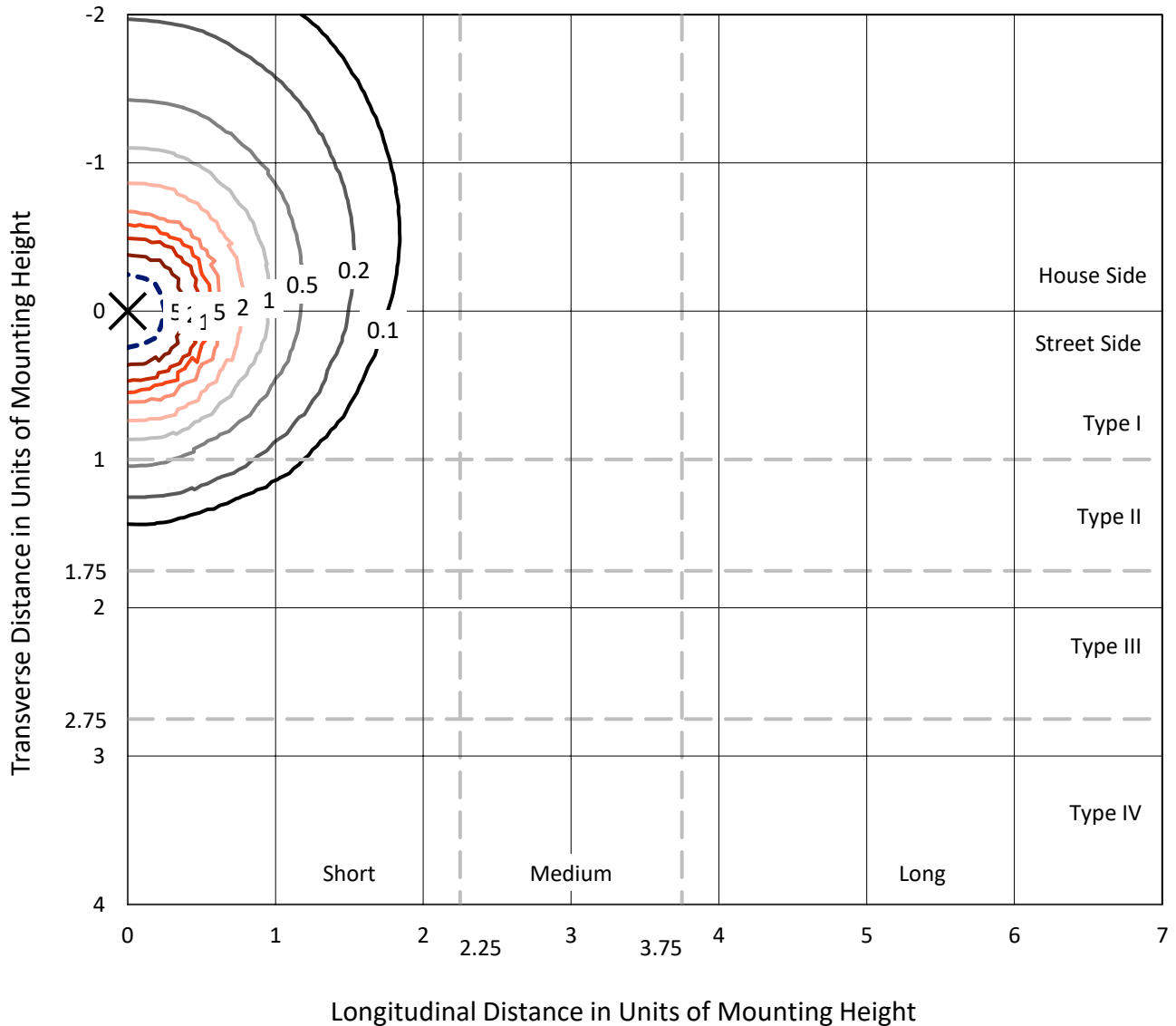
Input Watts (W): 244.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

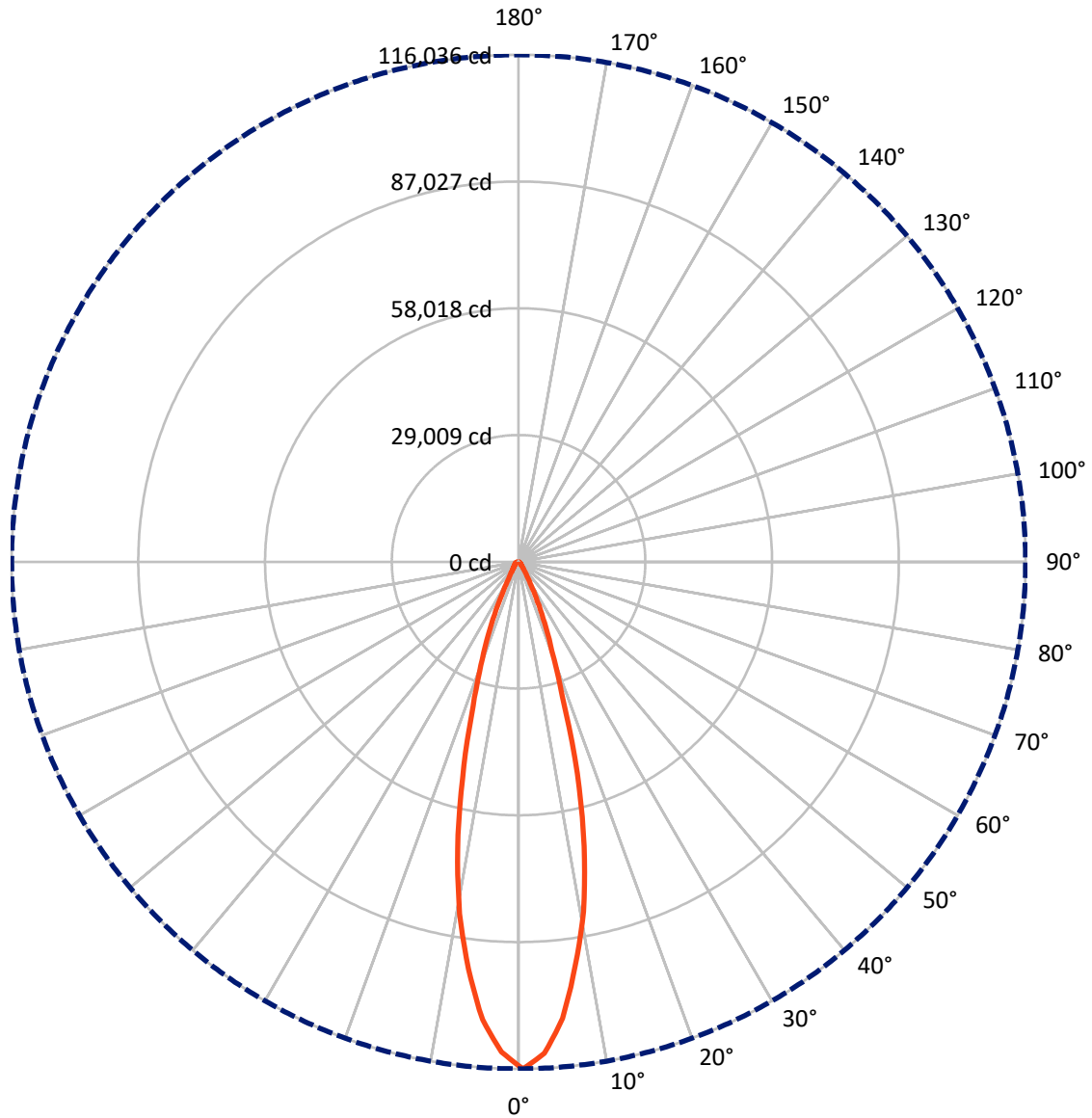
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 290.1 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	17363.6	0.0	17363.6
	% Fixture	52.7	0.0	52.7
Street Side	Lumens	15567.7	0.0	15567.7
	% Fixture	47.3	0.0	47.3
Total	Lumens	32931.4	0.0	32931.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9365.1	28.4
10°-20°	14183.4	43.1
20°-30°	5985.5	18.2
30°-40°	1561.1	4.7
40°-50°	789.6	2.4
50°-60°	516.1	1.6
60°-70°	309.2	0.9
70°-80°	162.7	0.5
80°-90°	58.8	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°	32931.4	100.0
0°-180°	32931.4	100.0

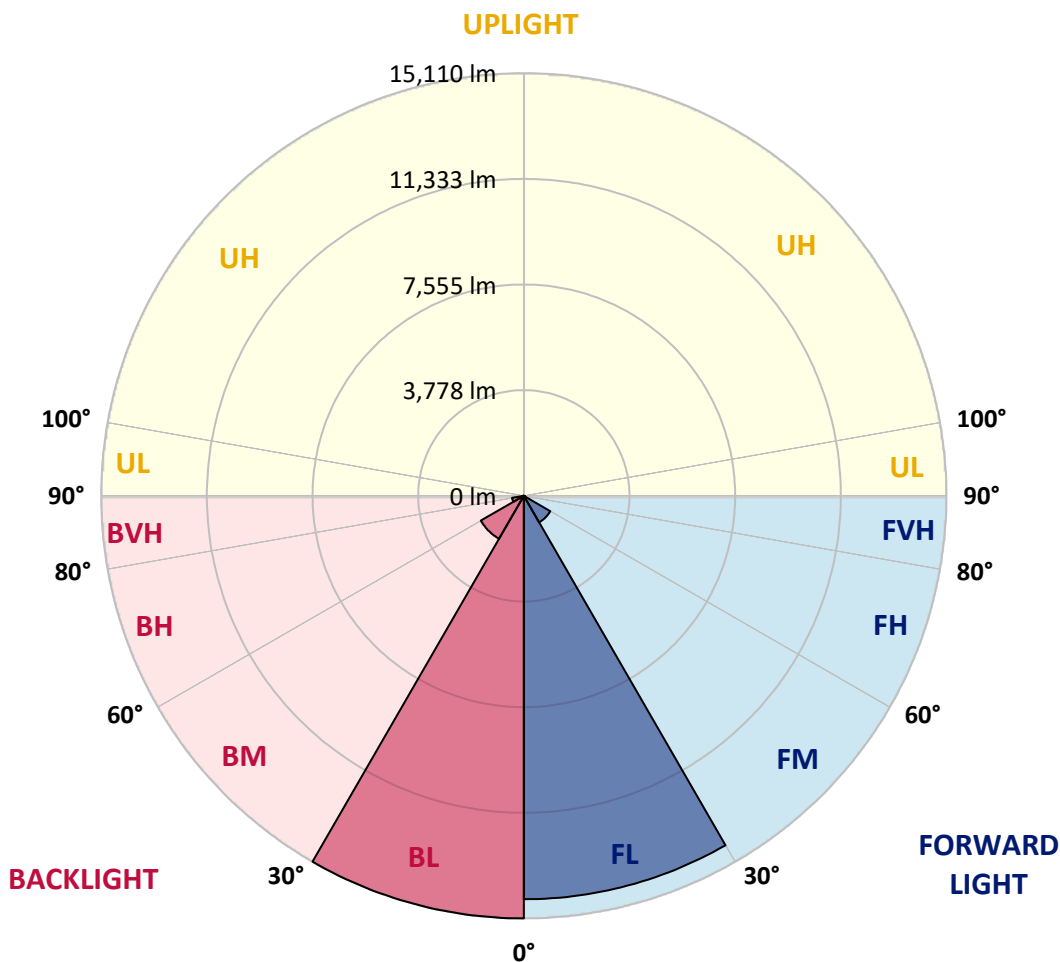


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	14423.7	43.8			
FM (30°-60°)	1092.3	3.3			
FH (60°-80°)	44.5	0.1			G0/660
FVH (80°-90°)	7.1	0.0			G0/10
BL (0°-30°)	15110.3	45.9	B5		
BM (30°-60°)	1774.4	5.4	B2/2500		
BH (60°-80°)	427.3	1.3	B1/500		G0/660
BVH (80°-90°)	51.6	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°	116035.9	116035.9	116035.9	116035.9	116035.9	116035.9	116035.9	116035.9	116035.9	116035.9
2.5°	112655.7	112718.6	112485.6	112988.6	112596.6	113646.9	113125.4	113939.0	113665.4	114120.2
5°	104963.4	104859.8	104793.3	105573.6	105348.0	106476.0	105754.8	105518.1	106250.4	106117.2
7.5°	93347.2	93620.9	93465.6	93669.0	93783.6	95070.6	95477.4	95159.4	95170.5	95355.4
10°	81438.9	81035.8	80462.6	80843.5	81649.7	82211.8	81986.2	82452.2	82348.7	82788.8
12.5°	66786.5	67104.5	66782.8	66442.5	67851.6	67696.3	68088.3	68343.4	67703.6	69127.5
15°	50307.1	50473.6	50865.6	50839.7	51923.3	52141.5	52089.7	52359.7	51860.4	52097.1
17.5°	32318.9	32881.0	33935.0	35717.6	37722.0	37955.0	37895.8	37674.0	37433.6	37167.3
20°	21708.7	21649.5	22030.4	22551.9	26701.3	27799.7	27766.4	27071.1	26065.2	25872.9
22.5°	15207.2	15318.1	15266.3	15784.1	16642.1	19670.9	19297.4	18591.0	18261.9	18047.4
25°	10003.7	9963.1	10221.9	10377.3	11113.2	11483.0	12792.2	12529.6	12023.0	12078.4
27.5°	6098.4	6150.2	6246.3	6379.5	6900.9	6782.6	7529.6	7629.5	7466.7	7292.9
30°	3742.6	3779.6	3857.3	3953.4	4134.6	4005.2	4212.3	4571.0	4511.9	4389.8
32.5°	2540.7	2544.4	2599.9	2636.8	2614.7	2492.6	2559.2	2899.4	2906.8	2895.7
35°	1826.9	1826.9	1878.7	1908.3	1845.4	1745.6	1756.7	1967.5	2059.9	2078.4
37.5°	1261.1	1264.8	1353.6	1442.3	1372.0	1346.2	1301.8	1442.3	1590.2	1612.4
40°	957.8	954.1	998.5	1065.1	1072.5	1024.4	1039.2	1128.0	1279.6	1298.1
42.5°	776.6	780.3	802.5	795.1	798.8	861.7	883.9	924.6	1065.1	1098.4
45°	654.6	658.3	669.4	632.4	617.6	713.8	743.3	765.5	883.9	924.6
47.5°	539.9	547.3	558.4	517.8	510.4	573.2	625.0	647.2	750.7	795.1
50°	388.3	395.7	436.4	414.2	436.4	451.2	521.5	554.7	625.0	684.2
52.5°	281.1	288.5	299.6	303.3	358.7	366.1	417.9	469.7	503.0	569.5
55°	221.9	229.3	221.9	214.5	262.6	303.3	321.7	377.2	403.1	480.8
57.5°	125.7	133.1	144.2	166.4	173.8	233.0	251.5	299.6	321.7	395.7
60°	22.2	25.9	40.7	99.9	122.0	147.9	188.6	229.3	258.9	310.7
62.5°	3.7	3.7	7.4	22.2	70.3	103.6	136.8	162.7	188.6	236.7
65°	0.0	0.0	3.7	7.4	18.5	59.2	74.0	96.2	129.4	170.1
67.5°	0.0	0.0	3.7	7.4	11.1	22.2	33.3	59.2	74.0	114.6
70°	0.0	0.0	3.7	7.4	11.1	14.8	18.5	25.9	44.4	70.3
72.5°	0.0	0.0	3.7	7.4	11.1	14.8	18.5	22.2	22.2	44.4
75°	0.0	0.0	3.7	7.4	11.1	18.5	22.2	22.2	18.5	18.5
77.5°	0.0	0.0	3.7	7.4	14.8	22.2	25.9	22.2	14.8	14.8
80°	0.0	0.0	7.4	11.1	18.5	25.9	33.3	25.9	14.8	7.4
82.5°	0.0	0.0	7.4	14.8	18.5	29.6	40.7	33.3	14.8	7.4
85°	0.0	0.0	3.7	11.1	22.2	29.6	40.7	29.6	14.8	3.7
87.5°	0.0	0.0	3.7	3.7	7.4	11.1	22.2	18.5	7.4	3.7
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°
116035.9	0°	116035.9	116035.9	116035.9	116035.9	116035.9	116035.9	116035.9	116035.9	116035.9
113258.5	2.5°	113909.4	114501.2	114623.2	114460.5	114697.2	114271.9	113946.4	113103.2	112596.6
106076.6	5°	106760.7	106672.0	107289.6	107493.0	107467.1	107141.7	106686.8	106176.4	105680.9
94996.6	7.5°	95588.4	95703.0	96265.1	96623.9	96442.7	96035.9	95721.5	95336.9	95004.0
82947.8	10°	83705.9	82918.2	83617.2	83617.2	84101.6	82951.5	83058.7	82089.8	82134.2
69101.6	12.5°	69338.3	69623.0	69737.7	70066.8	69501.0	68890.8	68143.7	67995.8	67533.5
51645.9	15°	52389.2	53202.9	52503.9	53698.4	53121.5	52485.4	52370.8	51224.3	51586.7
37459.5	17.5°	37274.5	38173.2	38454.3	39138.5	38613.3	38236.1	37759.0	37411.4	37385.5
26224.2	20°	26431.3	27333.7	27540.8	28361.8	28302.6	28184.3	27781.2	27341.1	26864.0
17851.4	22.5°	18121.4	18857.3	19545.2	20651.0	20632.5	20284.8	20244.2	19622.9	19633.9
12060.0	25°	12185.7	12721.9	12884.7	14016.3	14142.1	14105.1	13894.3	13317.4	13535.6
7366.9	27.5°	7374.3	7844.0	8395.0	8794.4	9171.6	9112.5	8901.7	8579.9	8439.4
4426.8	30°	4545.1	4755.9	4959.3	5440.1	5665.7	5784.0	5684.2	5384.6	5406.8
2914.2	32.5°	2977.1	3154.6	3302.5	3605.8	3724.1	3942.3	3901.6	3838.8	3764.8
2096.9	35°	2170.9	2300.3	2400.2	2540.7	2692.3	2877.2	2906.8	2880.9	2851.3
1619.8	37.5°	1656.8	1789.9	1904.6	1963.8	2082.1	2226.3	2307.7	2304.0	2281.8
1320.3	40°	1346.2	1446.0	1549.6	1627.2	1708.6	1815.8	1915.7	1926.8	1926.8
1109.5	42.5°	1124.3	1209.3	1312.9	1394.2	1453.4	1553.3	1656.8	1664.2	1656.8
939.4	45°	961.5	1035.5	1135.4	1231.5	1279.6	1353.6	1453.4	1475.6	1460.8
806.2	47.5°	835.8	902.4	987.4	1091.0	1142.8	1209.3	1301.8	1327.7	1324.0
695.3	50°	717.5	795.1	880.2	965.2	1031.8	1094.7	1183.4	1213.0	1201.9
591.7	52.5°	632.4	702.7	776.6	869.1	946.7	1002.2	1072.5	1124.3	1109.5
499.3	55°	528.8	613.9	691.6	769.2	865.4	924.6	991.1	1054.0	1039.2
421.6	57.5°	458.6	528.8	617.6	687.9	784.0	854.3	920.9	987.4	983.7
343.9	60°	384.6	458.6	543.6	617.6	706.4	784.0	850.6	924.6	932.0
258.9	62.5°	303.3	392.0	466.0	551.0	639.8	724.9	784.0	858.0	869.1
196.0	65°	229.3	321.7	403.1	484.5	573.2	665.7	717.5	780.3	791.4
144.2	67.5°	170.1	247.8	343.9	417.9	510.4	599.1	647.2	699.0	717.5
88.8	70°	129.4	188.6	288.5	358.7	454.9	525.1	576.9	621.3	636.1
59.2	72.5°	81.4	147.9	233.0	307.0	392.0	454.9	491.9	517.8	539.9
33.3	75°	55.5	114.6	188.6	262.6	325.4	373.5	406.8	429.0	447.5
14.8	77.5°	33.3	88.8	155.3	218.2	258.9	295.9	329.1	343.9	355.0
11.1	80°	18.5	66.6	129.4	177.5	203.4	229.3	255.2	273.7	281.1
7.4	82.5°	11.1	51.8	103.6	136.8	147.9	173.8	199.7	210.8	210.8
3.7	85°	7.4	37.0	70.3	99.9	107.2	125.7	133.1	140.5	147.9
3.7	87.5°	7.4	22.2	44.4	55.5	59.2	66.6	70.3	77.7	85.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
116035.9
112223.0
105126.1
93876.1
81701.5
67111.9
51224.3
36697.6
26656.9
19419.4
13191.6
8317.3
5310.7
3738.9
2840.2
2270.7
1904.6
1649.4
1460.8
1316.6
1194.5
1105.8
1046.6
987.4
935.7
876.5
802.5
724.9
643.5
536.2
443.8
351.3
273.7
207.1
144.2
81.4
0.0

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