

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: P637910

Luminaire Tested: **IFLD-S-SA6D-740-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637910
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-740-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (96) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38553.2 lumens
Efficiency: N/A
Efficacy: 104.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G2

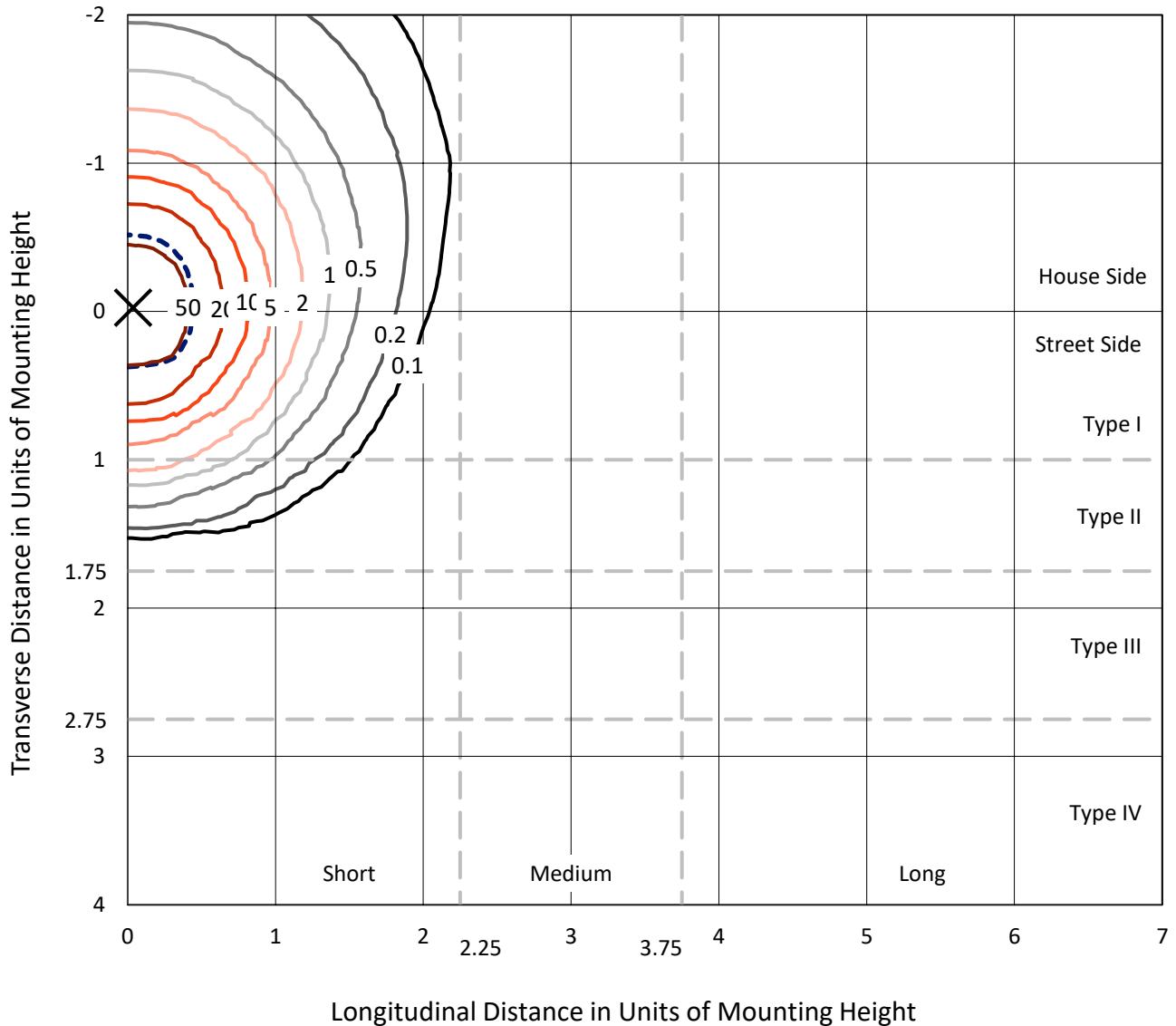
Input Watts (W): 368.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

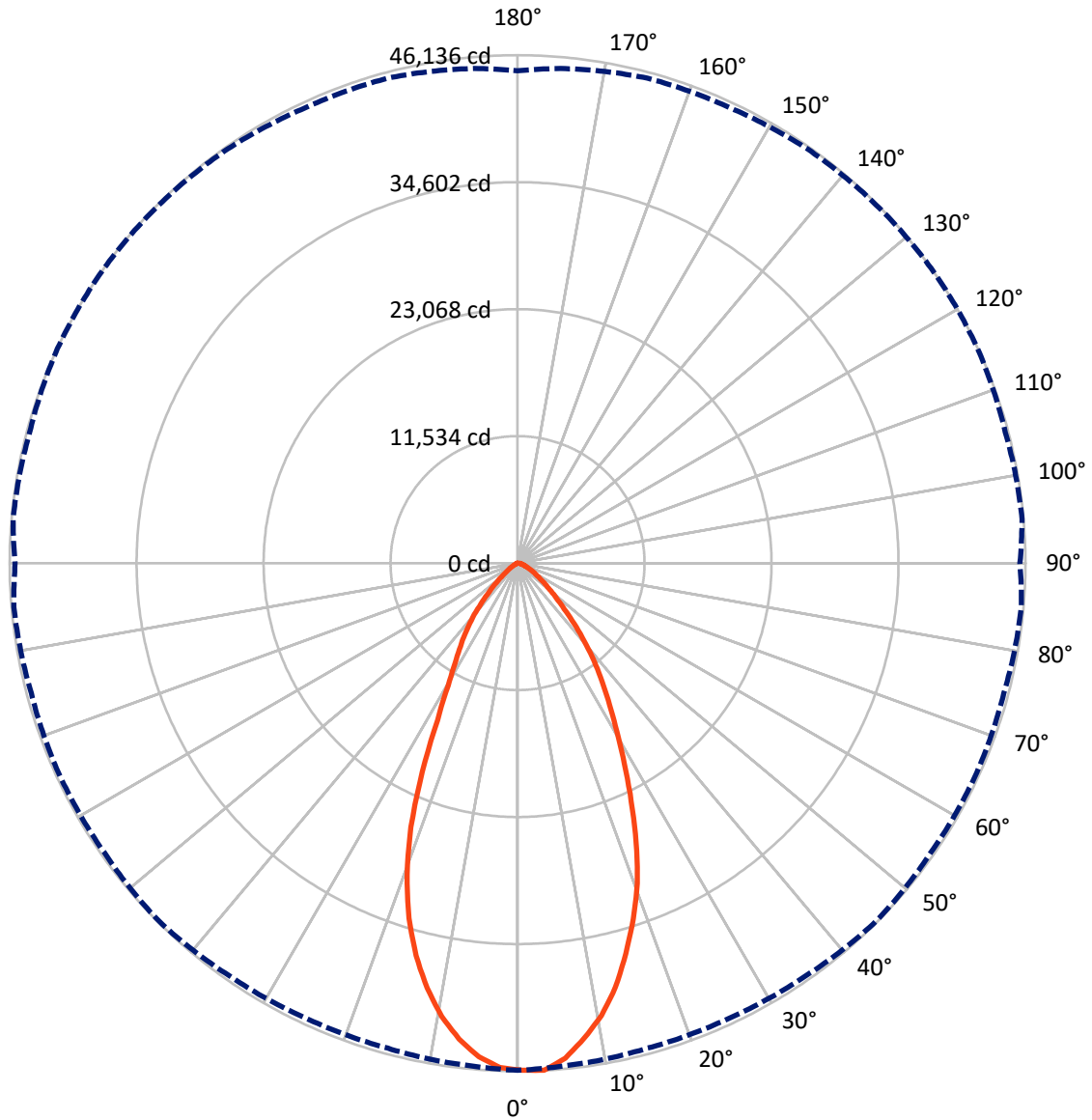
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 115.2 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 125-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21876.6	0.0	21876.6
	% Fixture	56.7	0.0	56.7
Street Side	Lumens	16676.6	0.0	16676.6
	% Fixture	43.3	0.0	43.3
Total	Lumens	38553.2	0.0	38553.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4182.6	10.8
10°-20°	9970.3	25.9
20°-30°	10154.6	26.3
30°-40°	7572.2	19.6
40°-50°	3955.9	10.3
50°-60°	1663.9	4.3
60°-70°	679.5	1.8
70°-80°	286.0	0.7
80°-90°	88.1	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°	38553.2	100.0
0°-180°	38553.2	100.0

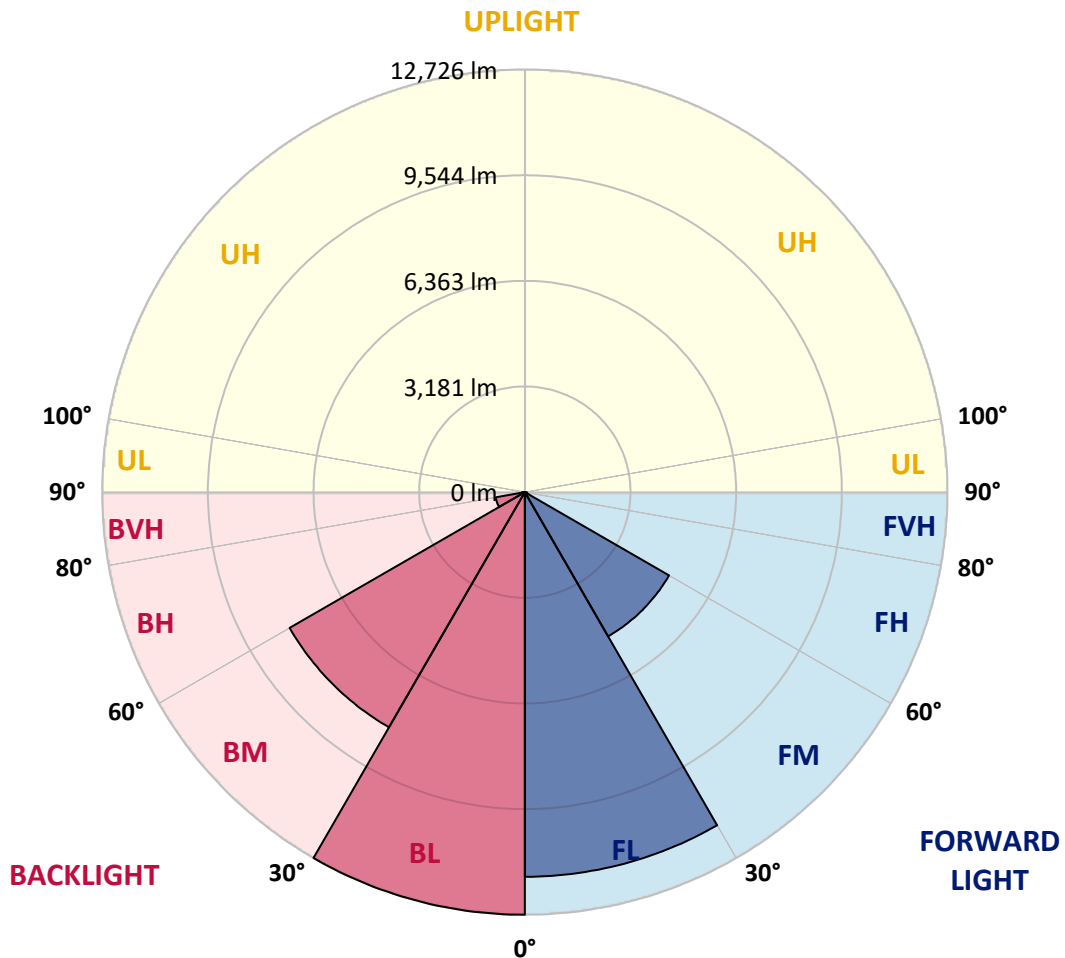


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	11581.9	30.0			
FM (30°-60°)	5014.0	13.0			
FH (60°-80°)	72.6	0.2			G0/660
FVH (80°-90°)	8.2	0.0			G0/10
BL (0°-30°)	12725.7	33.0	B5		
BM (30°-60°)	8178.1	21.2	B4/8500		
BH (60°-80°)	893.0	2.3	B2/1000		G2/1000
BVH (80°-90°)	79.9	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-G2
 Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	46061.8	46061.8	46061.8	46061.8	46061.8	46061.8	46061.8	46061.8	46061.8	46061.8
2.5°	46066.7	45878.5	45611.1	45586.3	45725.0	46027.1	45834.0	45843.9	45725.0	45928.0
5°	45343.7	45165.4	44982.1	44739.5	44942.5	45071.3	44972.2	44863.3	44709.8	44907.9
7.5°	43976.8	43877.8	43605.4	43496.4	43620.3	43763.9	43550.9	43521.2	43308.3	43565.8
10°	41886.9	41847.3	41579.9	41515.5	41624.5	41842.4	41748.3	41728.5	41594.7	41570.0
12.5°	39717.8	39564.3	39232.5	39212.7	39376.1	39702.9	39450.4	39207.7	39282.0	39346.4
15°	34131.6	33968.1	34790.2	36082.8	36761.3	36736.5	36810.8	36518.6	36429.4	36459.2
17.5°	27133.9	26856.6	27153.7	29154.5	32378.4	34250.4	33735.4	33106.4	32769.7	32546.8
20°	23419.6	23434.5	23380.0	23895.1	25905.7	30174.6	30050.8	28837.5	28396.7	28213.5
22.5°	21161.4	21077.2	20958.3	21121.8	21661.6	24167.4	25846.3	24732.0	24578.5	24375.4
25°	18947.7	18947.7	18804.1	18967.5	19121.0	19155.7	20839.5	21295.1	20997.9	20997.9
27.5°	17031.1	16932.1	16867.7	16942.0	16738.9	15763.3	15976.3	18308.8	18105.8	17982.0
30°	15129.4	15099.7	14990.7	15089.8	14337.0	13237.6	12791.9	15451.3	15664.3	15619.7
32.5°	12489.8	12608.7	13094.0	13247.5	11959.9	11073.4	10647.5	12826.6	13678.4	13643.7
35°	8488.3	8587.4	9142.0	10974.4	9914.6	9280.7	9156.9	10201.8	11603.3	11737.1
37.5°	6760.0	6745.1	6903.6	7230.4	7968.3	7814.8	7780.1	8052.5	9463.9	9523.4
40°	5571.4	5551.6	5546.6	5279.2	5096.0	6497.5	6403.4	6240.0	7463.2	7582.0
42.5°	4491.8	4511.6	4526.4	3942.1	3674.6	5011.8	4957.3	4788.9	5853.7	5992.3
45°	3526.1	3521.1	3550.8	2936.7	2862.5	3204.2	3704.4	3570.6	4417.5	4566.1
47.5°	1827.4	1891.8	2292.9	2273.1	2307.8	2273.1	2803.0	2768.4	3323.0	3560.7
50°	1228.2	1248.0	1282.7	1287.6	1817.5	1673.9	1901.7	2154.3	2327.6	2694.1
52.5°	950.9	965.7	876.6	822.1	1114.3	1238.1	1248.0	1490.7	1624.4	1995.8
55°	529.9	594.3	638.9	643.8	614.1	916.2	911.2	1104.4	1208.4	1456.0
57.5°	69.3	84.2	128.8	416.0	411.0	510.1	638.9	802.3	861.7	1064.8
60°	5.0	9.9	14.9	64.4	272.4	297.1	435.8	500.2	599.2	747.8
62.5°	0.0	0.0	5.0	14.9	54.5	173.3	227.8	262.5	351.6	490.3
65°	0.0	0.0	5.0	9.9	19.8	64.4	89.1	143.6	208.0	302.1
67.5°	0.0	0.0	5.0	9.9	14.9	24.8	39.6	64.4	109.0	183.2
70°	0.0	0.0	5.0	9.9	14.9	19.8	29.7	39.6	59.4	99.0
72.5°	0.0	0.0	5.0	5.0	9.9	24.8	24.8	29.7	39.6	54.5
75°	0.0	0.0	5.0	9.9	14.9	24.8	24.8	24.8	29.7	34.7
77.5°	0.0	0.0	5.0	9.9	14.9	24.8	19.8	24.8	24.8	24.8
80°	0.0	0.0	5.0	9.9	14.9	24.8	29.7	24.8	19.8	19.8
82.5°	0.0	0.0	5.0	14.9	14.9	34.7	34.7	34.7	14.9	14.9
85°	0.0	0.0	9.9	14.9	24.8	39.6	39.6	29.7	14.9	9.9
87.5°	0.0	0.0	5.0	9.9	9.9	19.8	29.7	24.8	9.9	5.0
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°
46061.8	0°	46061.8	46061.8	46061.8	46061.8	46061.8	46061.8	46061.8	46061.8	46061.8
45630.9	2.5°	45997.4	45873.6	46106.3	46136.0	46037.0	45913.2	45626.0	45601.2	45101.0
44620.6	5°	45125.8	44922.7	45071.3	45170.3	45135.7	45002.0	44883.1	44774.1	44323.5
42981.4	7.5°	43501.4	43427.1	43496.4	43570.7	43714.3	43570.7	43521.2	43407.3	42961.6
41366.9	10°	41698.7	41560.1	41822.6	41787.9	41748.3	41708.6	41500.6	41520.5	40995.5
39168.1	12.5°	39485.0	39252.3	39504.9	39534.6	39504.9	39366.2	39133.4	39232.5	38752.1
36196.7	15°	36508.7	36483.9	36667.2	36786.0	36870.2	36721.6	36642.4	36691.9	36404.7
32373.5	17.5°	32853.9	33175.8	33775.0	33978.0	33983.0	34136.5	34091.9	34032.5	33819.6
28139.2	20°	28555.2	29174.3	30095.4	31041.3	31313.7	31184.9	31125.5	31234.4	30917.5
24162.5	22.5°	24588.4	25118.3	26188.0	27569.7	28367.0	28446.3	28431.4	28337.3	28213.5
20978.1	25°	21220.8	21691.3	22716.4	23979.3	25509.5	25737.3	25747.2	25717.5	25608.6
18090.9	27.5°	18378.2	18947.7	19512.2	20641.4	22270.7	23211.6	23092.8	23058.1	23018.5
15654.4	30°	15802.9	16521.0	17050.9	17754.2	19215.1	20487.9	20611.7	20552.2	20458.1
13638.8	32.5°	13762.6	14188.5	14862.0	15337.4	16387.3	17828.4	18303.9	18259.3	18175.1
11821.2	35°	11989.6	12158.0	12687.9	13217.8	13916.1	15312.7	16015.9	15916.8	15902.0
9632.3	37.5°	9875.0	10439.5	10731.7	11266.6	11756.9	12841.4	13812.1	13767.5	13772.5
7745.5	40°	7973.3	8300.1	8879.6	9330.2	9780.9	10573.3	11652.9	11682.6	11672.7
5997.3	42.5°	6121.1	6438.0	7047.2	7537.5	7938.6	8428.9	9459.0	9493.6	9538.2
4670.1	45°	4779.0	4982.1	5427.8	5937.9	6363.8	6660.9	7443.4	7666.2	7671.2
3620.2	47.5°	3709.3	3942.1	4259.0	4749.3	5165.3	5378.2	5947.8	6249.9	6235.0
2778.3	50°	2912.0	3124.9	3382.5	3768.7	4219.4	4387.8	4808.7	5105.9	5091.0
2094.8	52.5°	2228.6	2500.9	2728.7	3025.9	3466.6	3610.3	3912.4	4254.1	4204.5
1535.2	55°	1688.7	1966.1	2179.0	2426.6	2827.8	3011.0	3219.0	3491.4	3501.3
1188.6	57.5°	1272.8	1560.0	1753.1	2005.7	2307.8	2510.8	2669.3	2961.5	2956.5
812.2	60°	911.2	1158.8	1391.6	1654.1	1886.8	2119.6	2228.6	2505.9	2515.8
574.5	62.5°	658.7	891.4	1114.3	1342.1	1550.1	1777.9	1876.9	2094.8	2124.6
376.4	65°	460.6	624.0	881.5	1054.8	1287.6	1456.0	1584.8	1772.9	1807.6
222.9	67.5°	297.1	450.7	698.3	851.8	1064.8	1208.4	1342.1	1490.7	1535.2
143.6	70°	178.3	341.7	520.0	683.4	876.6	1005.3	1134.1	1262.8	1287.6
69.3	72.5°	113.9	237.7	376.4	554.7	703.2	841.9	955.8	1049.9	975.6
44.6	75°	64.4	163.4	297.1	435.8	569.5	703.2	797.3	846.9	678.5
29.7	77.5°	39.6	118.9	242.7	351.6	440.8	564.6	624.0	653.7	485.3
19.8	80°	24.8	89.1	203.0	287.2	287.2	416.0	485.3	510.1	351.6
14.9	82.5°	19.8	64.4	158.5	217.9	193.1	312.0	381.3	386.3	247.6
9.9	85°	14.9	49.5	99.0	143.6	133.7	217.9	222.9	247.6	163.4
9.9	87.5°	9.9	29.7	59.4	84.2	74.3	104.0	118.9	133.7	89.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
46061.8
44709.8
43962.0
42867.5
40817.2
38613.4
36058.0
33502.6
30689.7
27975.8
25242.1
22785.7
20339.3
17952.2
15738.6
13614.0
11499.3
9389.6
7542.4
6180.5
5091.0
4209.5
3501.3
2946.6
2491.0
2114.7
1797.7
1530.3
1267.8
906.3
643.8
455.6
326.9
227.8
148.6
79.2
0.0

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