

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: P638053

Luminaire Tested: **IFLD-S-SA6B-722-U-77-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P638053
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-722-U-77-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7 distribution lens and Visor
Light Source: (96) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18912.3 lumens
Efficiency: N/A
Efficacy: 77.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G2

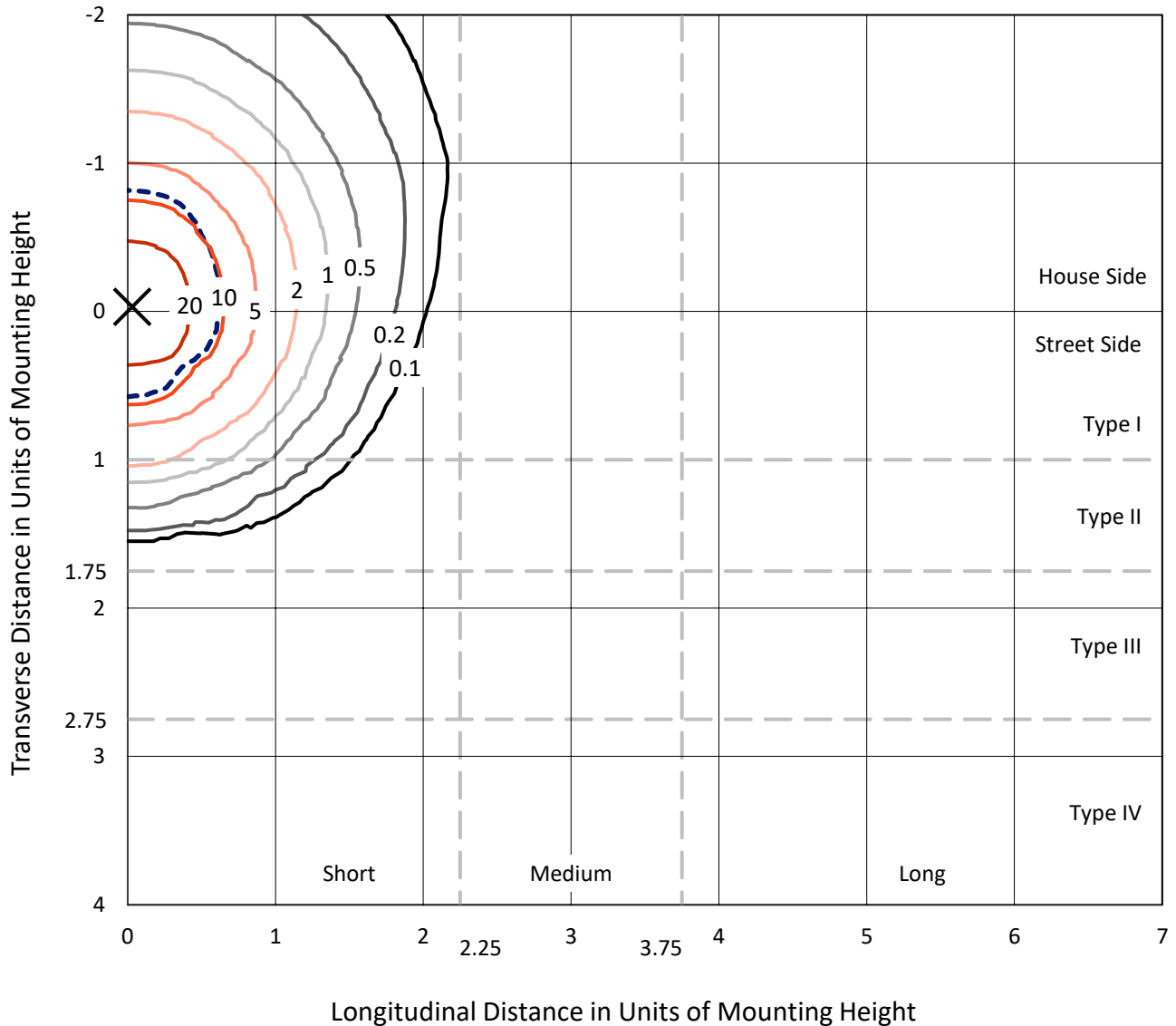
Input Watts (W): 244.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

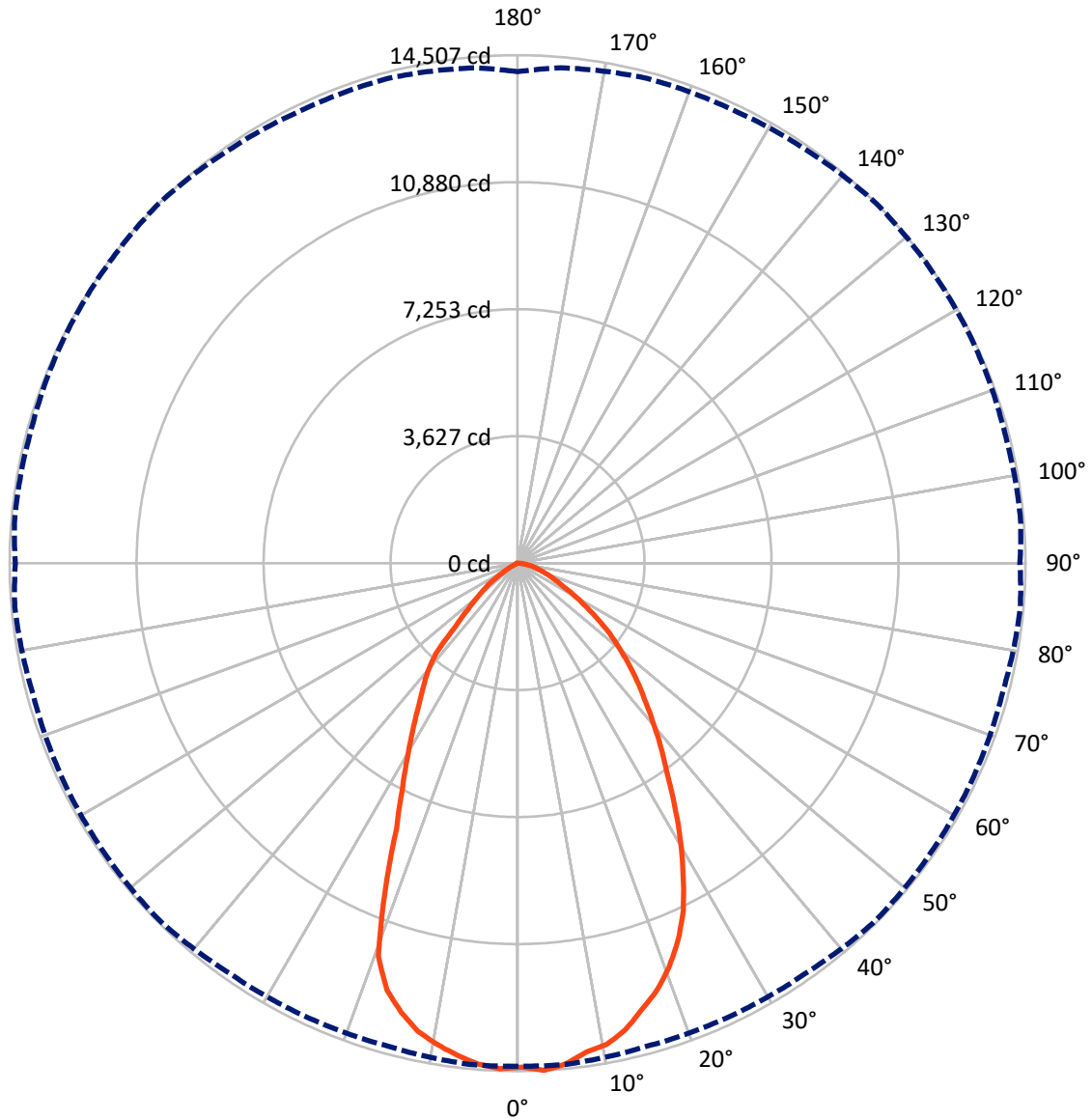
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 36 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 135-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11200.8	0.0	11200.8
	% Fixture	59.2	0.0	59.2
Street Side	Lumens	7711.5	0.0	7711.5
	% Fixture	40.8	0.0	40.8
Total	Lumens	18912.3	0.0	18912.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1349.8	7.1
10°-20°	3619.5	19.1
20°-30°	4414.1	23.3
30°-40°	4030.1	21.3
40°-50°	2912.4	15.4
50°-60°	1590.2	8.4
60°-70°	657.5	3.5
70°-80°	266.3	1.4
80°-90°	72.4	0.4
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°	18912.3	100.0
0°-180°	18912.3	100.0



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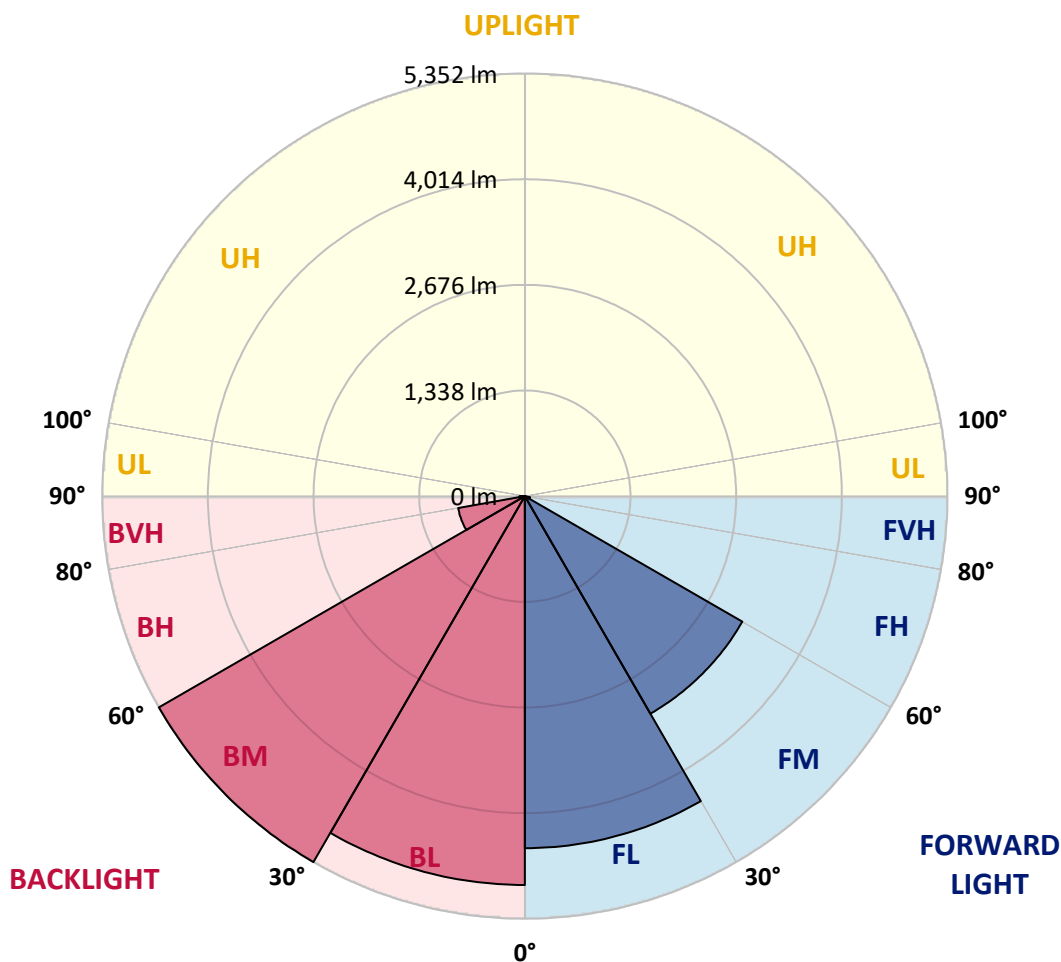
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4458.3	23.6			
FM (30°-60°)	3180.7	16.8			
FH (60°-80°)	66.6	0.4			G0/660
FVH (80°-90°)	5.8	0.0			G0/10
BL (0°-30°)	4925.0	26.0	B4/5000		
BM (30°-60°)	5352.0	28.3	B4/8500		
BH (60°-80°)	857.1	4.5	B2/1000		G2/1000
BVH (80°-90°)	66.6	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	14392.2	14392.2	14392.2	14392.2	14392.2	14392.2	14392.2	14392.2	14392.2	14392.2
2.5°	14365.6	14384.2	14283.0	14293.7	14312.3	14448.1	14413.5	14381.5	14336.3	14413.5
5°	14346.9	14357.6	14251.0	14213.8	14229.7	14352.2	14240.4	14240.4	14229.7	14216.4
7.5°	14203.1	14208.4	14125.9	14059.3	14101.9	14157.8	14075.3	14115.2	14056.6	14101.9
10°	13987.4	13952.8	13854.2	13835.6	13883.5	13936.8	13880.9	13918.1	13864.9	13899.5
12.5°	13670.5	13617.2	13537.3	13513.3	13595.9	13667.8	13622.5	13601.2	13532.0	13617.2
15°	12448.0	12408.1	12589.2	12906.1	13191.1	13252.3	13204.4	13225.7	13081.9	13105.8
17.5°	10245.5	10170.9	10365.4	11116.4	12187.0	12751.6	12709.0	12570.5	12357.5	12405.4
20°	9310.7	9289.4	9268.1	9446.5	10194.9	11907.4	11966.0	11614.4	11310.8	11244.2
22.5°	8783.4	8775.4	8754.1	8794.0	8991.1	10091.1	10762.2	10437.3	10234.9	10216.2
25°	8301.3	8288.0	8224.1	8274.7	8274.7	8338.6	9198.9	9395.9	9217.5	9196.2
27.5°	7811.3	7787.3	7776.7	7800.7	7678.1	7246.7	7465.1	8426.5	8333.3	8338.6
30°	7281.3	7273.3	7244.0	7294.6	6916.5	6381.1	6242.7	7547.6	7566.3	7561.0
32.5°	6493.0	6527.6	6660.8	6716.7	6093.5	5651.4	5419.7	6530.3	6911.1	6903.1
35°	4716.6	4716.6	5150.7	5957.7	5339.8	5006.9	4881.7	5536.9	6264.0	6290.6
37.5°	3877.7	3891.0	3976.2	4343.8	4607.4	4490.2	4453.0	4660.7	5433.0	5475.6
40°	3488.9	3488.9	3488.9	3337.1	3329.1	4045.5	4024.2	3957.6	4692.6	4785.9
42.5°	3134.6	3142.6	3148.0	2764.5	2551.4	3496.8	3448.9	3347.7	4029.5	4138.7
45°	2769.8	2783.1	2799.1	2311.7	2218.5	2516.8	2918.9	2807.1	3374.3	3515.5
47.5°	1691.2	1712.5	2074.7	1960.2	1970.8	1941.5	2380.9	2362.3	2767.1	2966.9
50°	1142.5	1150.5	1185.1	1243.7	1691.2	1526.0	1685.8	1954.8	2101.3	2404.9
52.5°	958.8	972.1	886.9	807.0	1110.6	1193.1	1177.2	1451.5	1510.1	1885.6
55°	673.8	716.4	676.5	668.5	631.2	926.8	892.2	1115.9	1153.2	1432.8
57.5°	69.2	79.9	138.5	498.0	412.8	524.7	636.5	817.6	854.9	1057.3
60°	5.3	5.3	13.3	69.2	300.9	314.3	439.4	503.4	575.3	737.7
62.5°	0.0	2.7	5.3	10.7	47.9	167.8	221.0	263.7	346.2	476.7
65°	0.0	0.0	2.7	8.0	10.7	63.9	85.2	138.5	189.1	295.6
67.5°	0.0	0.0	2.7	5.3	8.0	16.0	29.3	50.6	101.2	167.8
70°	0.0	0.0	2.7	5.3	8.0	13.3	21.3	32.0	45.3	90.6
72.5°	0.0	0.0	2.7	2.7	5.3	13.3	16.0	21.3	32.0	45.3
75°	0.0	0.0	2.7	2.7	8.0	16.0	13.3	16.0	21.3	29.3
77.5°	0.0	0.0	2.7	5.3	8.0	16.0	13.3	16.0	16.0	18.6
80°	0.0	0.0	2.7	5.3	10.7	18.6	16.0	16.0	13.3	13.3
82.5°	0.0	0.0	2.7	8.0	10.7	24.0	24.0	21.3	10.7	8.0
85°	0.0	0.0	5.3	10.7	16.0	26.6	26.6	21.3	8.0	5.3
87.5°	0.0	0.0	5.3	8.0	13.3	18.6	26.6	21.3	8.0	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°
14392.2	0°	14392.2	14392.2	14392.2	14392.2	14392.2	14392.2	14392.2	14392.2	14392.2
14346.9	2.5°	14418.8	14402.9	14456.1	14477.4	14506.7	14394.9	14325.6	14328.3	14200.4
14184.5	5°	14269.7	14272.4	14341.6	14336.3	14365.6	14304.3	14277.7	14232.4	14120.5
13979.4	7.5°	14080.6	14056.6	14123.2	14173.8	14099.2	14141.9	14080.6	14101.9	14035.3
13798.3	10°	13934.1	13878.2	13939.4	13974.1	13976.7	13934.1	13875.5	13819.6	13795.6
13516.0	12.5°	13609.2	13537.3	13641.2	13689.1	13681.1	13598.5	13532.0	13545.3	13468.1
13020.6	15°	13161.8	13164.4	13239.0	13284.3	13241.7	13223.0	13228.4	13196.4	13129.8
12336.2	17.5°	12477.3	12517.3	12714.4	12823.5	12847.5	12810.2	12791.6	12754.3	12687.7
11244.2	20°	11337.5	11577.1	11928.7	12266.9	12333.5	12322.9	12256.3	12240.3	12203.0
10163.0	22.5°	10336.1	10514.5	10922.0	11449.3	11721.0	11747.6	11667.7	11643.7	11603.8
9196.2	25°	9300.1	9491.8	9859.3	10431.9	10993.9	11108.4	11095.1	11023.2	10980.6
8338.6	27.5°	8426.5	8618.3	8951.2	9467.9	10069.7	10437.3	10471.9	10357.4	10354.7
7574.3	30°	7638.2	7901.9	8154.9	8575.7	9158.9	9710.2	9768.8	9688.9	9696.9
6873.8	32.5°	7020.3	7238.7	7454.4	7736.7	8221.4	8863.3	9092.3	9017.8	8988.5
6290.6	35°	6389.1	6538.3	6759.3	7017.7	7347.9	7984.4	8381.2	8325.3	8296.0
5502.3	37.5°	5670.1	5925.7	6085.5	6375.8	6634.2	7140.2	7699.5	7691.5	7630.2
4831.1	40°	4932.3	5201.3	5443.7	5736.6	5936.4	6338.5	6959.1	6956.4	6964.4
4136.0	42.5°	4263.9	4511.5	4804.5	5124.1	5315.8	5608.8	6274.6	6311.9	6357.2
3563.4	45°	3659.3	3883.0	4154.7	4543.5	4775.2	4943.0	5534.2	5704.7	5702.0
3052.1	47.5°	3116.0	3326.4	3555.4	3933.6	4229.2	4381.0	4871.1	5113.4	5097.5
2503.5	50°	2615.3	2801.7	3041.4	3315.7	3712.6	3845.7	4210.6	4530.2	4506.2
1994.8	52.5°	2104.0	2362.3	2564.7	2815.1	3233.2	3363.7	3646.0	3957.6	3938.9
1496.7	55°	1640.6	1890.9	2135.9	2351.6	2703.2	2897.6	3100.0	3419.6	3414.3
1171.8	57.5°	1241.1	1515.4	1747.1	1952.2	2231.8	2471.5	2634.0	2924.2	2961.5
801.6	60°	918.8	1129.2	1379.6	1608.6	1829.7	2077.3	2186.5	2471.5	2487.5
548.6	62.5°	625.9	857.6	1102.6	1310.3	1475.4	1731.1	1829.7	2064.0	2093.3
351.5	65°	434.1	583.3	862.9	1012.0	1214.4	1432.8	1531.4	1717.8	1776.4
202.4	67.5°	287.6	415.5	673.8	809.6	1009.4	1158.5	1283.7	1435.5	1499.4
127.8	70°	157.1	306.3	482.0	639.2	812.3	956.1	1078.6	1201.1	1257.1
58.6	72.5°	106.5	205.1	335.6	506.0	655.2	796.3	905.5	996.1	998.7
34.6	75°	53.3	138.5	255.7	391.5	511.3	649.8	748.4	801.6	737.7
21.3	77.5°	32.0	101.2	207.7	314.3	415.5	524.7	580.6	609.9	506.0
16.0	80°	18.6	71.9	162.5	250.3	287.6	386.2	439.4	447.4	338.2
10.7	82.5°	13.3	53.3	127.8	183.8	175.8	271.7	330.2	319.6	215.7
8.0	85°	8.0	37.3	79.9	114.5	106.5	178.4	191.8	197.1	125.2
5.3	87.5°	5.3	21.3	42.6	61.3	50.6	77.2	77.2	93.2	61.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
14392.2
14035.3
14093.9
13923.5
13689.1
13401.5
13063.2
12658.4
12117.8
11593.1
10935.3
10349.4
9656.9
8991.1
8256.1
7680.8
6964.4
6333.2
5707.3
5102.8
4527.5
3978.9
3427.6
2945.6
2511.4
2098.6
1763.1
1491.4
1235.7
974.7
689.8
487.4
316.9
199.7
114.5
53.3
0.0

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