

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: P638461

Luminaire Tested: **IFLD-S-SA6D-750-U-LAM-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P638461
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-750-U-LAM-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/
Lambertian distribution lens and Visor
Light Source: (96) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34470.4 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G3

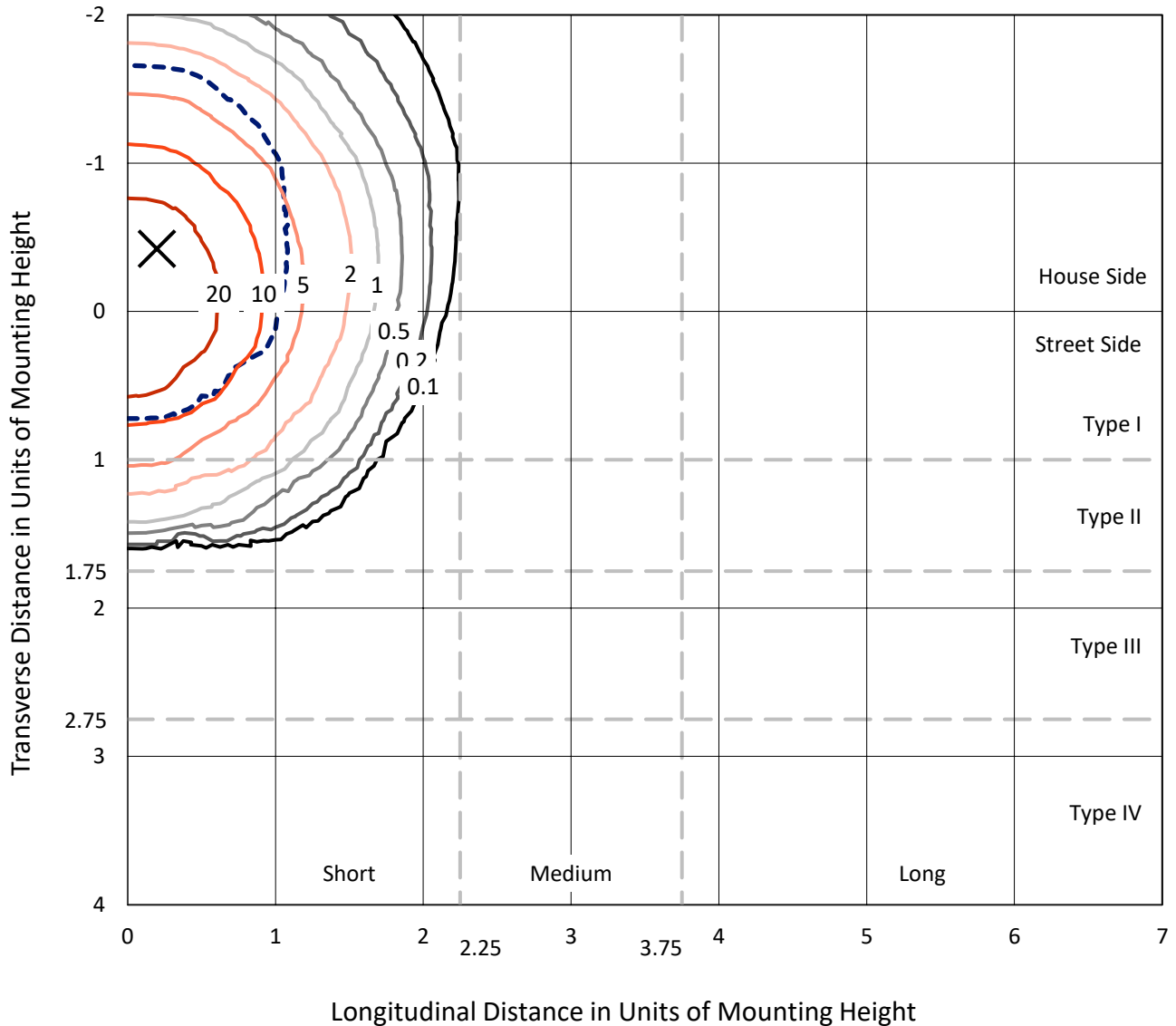
Input Watts (W): 368.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

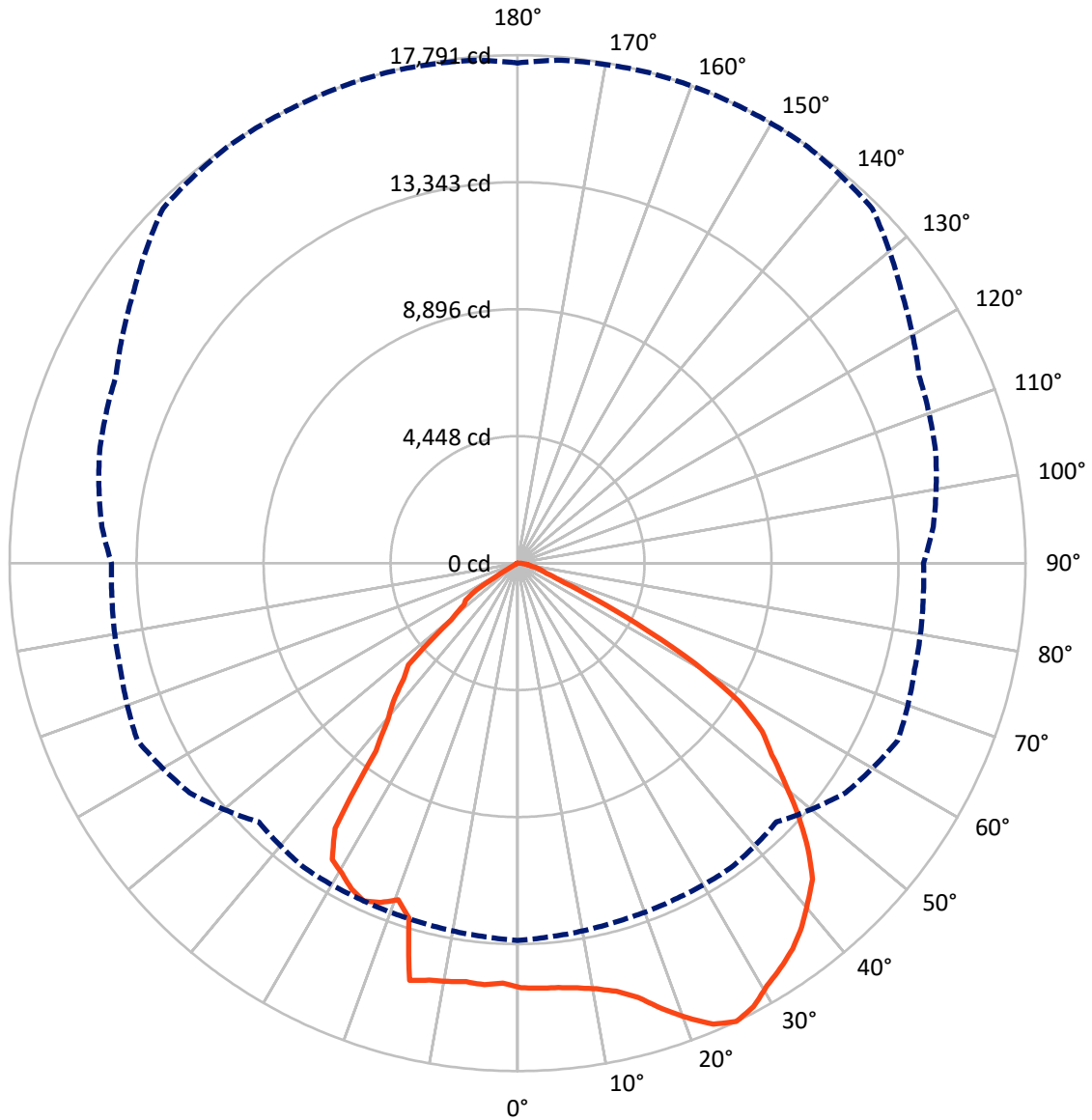
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 37.2 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 155-Deg Lateral - - - Horizontal Cone Through 25-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21340.7	0.0	21340.7
	% Fixture	61.9	0.0	61.9
Street Side	Lumens	13129.7	0.0	13129.7
	% Fixture	38.1	0.0	38.1
Total	Lumens	34470.4	0.0	34470.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1426.9	4.1
10°-20°	4357.0	12.6
20°-30°	6888.1	20.0
30°-40°	7780.7	22.6
40°-50°	7286.8	21.1
50°-60°	5023.7	14.6
60°-70°	1349.7	3.9
70°-80°	281.3	0.8
80°-90°	76.1	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°	34470.4	100.0
0°-180°	34470.4	100.0



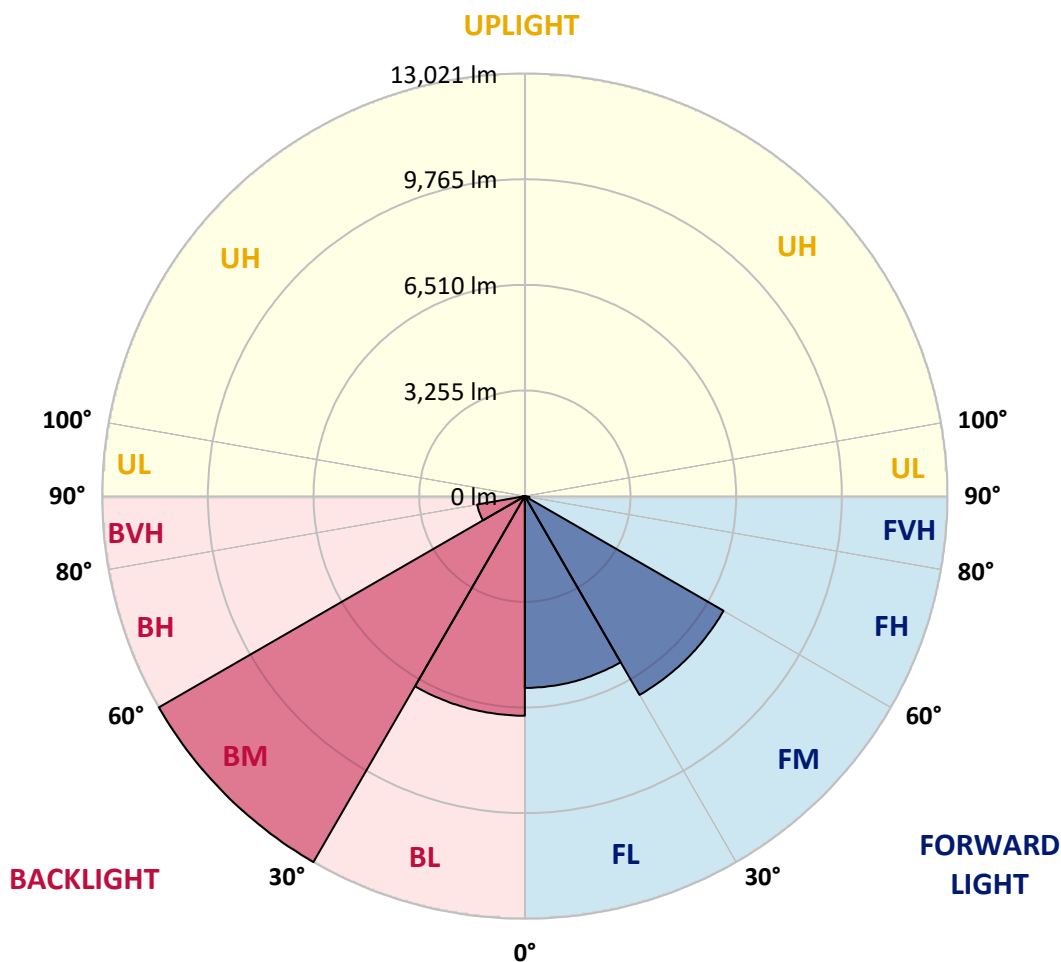
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5907.1	17.1			
FM (30°-60°)	7070.6	20.5			
FH (60°-80°)	141.7	0.4			G0/660
FVH (80°-90°)	10.2	0.0			G1/100
BL (0°-30°)	6764.9	19.6	B5		
BM (30°-60°)	13020.7	37.8	B5		
BH (60°-80°)	1489.3	4.3	B3/2500		G3/2500
BVH (80°-90°)	65.9	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-G3

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	14873.3	14873.3	14873.3	14873.3	14873.3	14873.3	14873.3	14873.3	14873.3	14873.3
2.5°	14939.2	14843.0	14751.8	14721.4	14848.0	14984.8	14898.7	14903.7	14873.3	14929.1
5°	15050.7	14918.9	14858.2	14812.6	14832.8	14974.7	14853.1	14898.7	14848.0	14913.9
7.5°	15010.1	14918.9	14858.2	14772.0	14837.9	15005.1	14888.5	14893.6	14868.3	14929.1
10°	14984.8	14918.9	14843.0	14853.1	14929.1	15070.9	14979.7	15030.4	14994.9	15030.4
12.5°	15045.6	14974.7	14934.1	14934.1	15000.0	15162.1	15116.5	15162.1	15146.9	15177.3
15°	14473.1	14539.0	14924.0	15096.2	15228.0	15390.1	15369.8	15415.4	15425.5	15471.1
17.5°	12208.7	12142.9	12112.5	12999.0	15354.6	15856.1	15840.9	15835.9	15785.2	15749.7
20°	12507.6	12482.3	12446.8	12512.7	12776.1	16099.3	16200.6	15577.5	15395.1	15379.9
22.5°	12983.8	12943.3	12811.5	12816.6	12897.7	13997.0	15699.1	15131.7	15070.9	15035.5
25°	13216.8	13135.8	13029.4	12999.0	13024.3	12821.7	14022.3	14696.0	14397.2	14260.4
27.5°	12806.5	12811.5	12725.4	12806.5	12710.2	11798.4	11286.7	13845.0	13834.8	13774.1
30°	12497.5	12482.3	12380.9	12482.3	11818.6	10800.4	10582.6	12912.9	12806.5	12725.4
32.5°	11550.1	11560.3	11854.1	12249.2	11160.1	10354.6	9696.0	11535.0	12543.1	12497.5
35°	8262.4	8282.7	9326.2	11276.6	10162.1	9468.1	9417.4	9969.6	12127.7	12147.9
37.5°	7953.4	7953.4	7928.1	8247.2	9376.9	9108.4	9209.7	9154.0	11109.4	11160.1
40°	7730.5	7684.9	7649.4	7147.9	6519.8	8855.1	8926.0	8672.7	10501.5	10511.6
42.5°	7462.0	7411.3	7421.5	6494.4	5835.9	8226.9	8029.4	7690.0	9488.3	9498.5
45°	6970.6	7056.7	7117.5	5683.9	5633.2	5876.4	7406.3	7193.5	8804.5	8991.9
47.5°	3546.1	3622.1	5557.2	5228.0	5344.5	5222.9	6256.3	6261.4	7325.2	7948.3
50°	3216.8	3196.6	3201.6	3049.6	4934.1	4224.9	4523.8	5739.6	5866.3	6757.9
52.5°	2999.0	2993.9	2684.9	2386.0	3100.3	3718.3	3282.7	4154.0	4361.7	5724.4
55°	2218.8	2381.0	2117.5	2244.2	1940.2	2978.7	2963.5	3748.7	3819.7	4589.7
57.5°	20.3	25.3	60.8	1707.2	1342.5	1489.4	2046.6	2558.3	2684.9	3576.5
60°	5.1	10.1	25.3	50.7	871.3	916.9	1367.8	1479.2	1666.7	2132.7
62.5°	0.0	0.0	10.1	25.3	45.6	374.9	435.7	476.2	734.5	1089.2
65°	0.0	0.0	5.1	15.2	25.3	60.8	106.4	222.9	319.1	395.1
67.5°	0.0	0.0	5.1	10.1	20.3	30.4	60.8	86.1	136.8	233.0
70°	0.0	0.0	5.1	10.1	15.2	25.3	40.5	60.8	81.1	116.5
72.5°	0.0	0.0	5.1	10.1	10.1	30.4	30.4	45.6	60.8	76.0
75°	0.0	0.0	5.1	5.1	10.1	20.3	30.4	35.5	40.5	60.8
77.5°	0.0	0.0	5.1	10.1	15.2	20.3	25.3	40.5	35.5	35.5
80°	0.0	0.0	5.1	15.2	15.2	25.3	30.4	40.5	25.3	25.3
82.5°	0.0	0.0	5.1	20.3	15.2	50.7	50.7	55.7	20.3	20.3
85°	0.0	0.0	15.2	10.1	30.4	50.7	45.6	30.4	25.3	15.2
87.5°	0.0	0.0	5.1	5.1	10.1	15.2	35.5	30.4	10.1	10.1
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°
14873.3	0°	14873.3	14873.3	14873.3	14873.3	14873.3	14873.3	14873.3	14873.3	14873.3
14782.2	2.5°	14984.8	14918.9	15055.7	15040.5	14974.7	14944.3	14908.8	14878.4	14655.5
14792.3	5°	14989.9	14888.5	15055.7	15025.3	15015.2	14964.5	14934.1	14979.7	14777.1
14832.8	7.5°	14989.9	14888.5	15070.9	15081.0	15065.9	15025.3	15020.3	15050.7	14883.5
14903.7	10°	15091.2	15050.7	15202.6	15217.8	15197.6	15187.4	15162.1	15141.8	14964.5
15146.9	12.5°	15303.9	15222.9	15395.1	15440.7	15425.5	15450.9	15390.1	15420.5	15238.1
15395.1	15°	15562.3	15567.4	15699.1	15800.4	15790.3	15871.3	15780.1	15861.2	15729.5
15678.8	17.5°	15957.4	16013.2	16200.6	16352.6	16408.3	16469.1	16408.3	16433.6	16246.2
15364.7	20°	15542.0	15749.7	16651.5	16930.1	17046.6	17102.3	17001.0	17031.4	16844.0
14979.7	22.5°	15167.2	15435.7	16236.1	17107.4	17467.1	17578.5	17543.1	17538.0	17467.1
14219.9	25°	14615.0	15157.0	15516.7	16438.7	17568.4	17771.0	17791.3	17786.2	17679.8
13753.8	27.5°	13936.2	14057.7	14989.9	15552.2	16859.2	17629.2	17598.8	17451.9	17310.0
12786.2	30°	13069.9	13622.1	14042.5	14939.2	15942.2	17193.5	17193.5	17082.1	16935.2
12441.7	32.5°	12629.2	13343.5	13733.5	14057.7	14913.9	16707.2	16909.8	16793.3	16676.8
12173.2	35°	12396.1	12502.5	13414.4	13708.2	14432.6	15770.0	16590.7	16474.2	16388.0
11459.0	37.5°	11884.5	12132.7	12558.3	13343.5	13566.4	15005.1	16165.1	16104.4	16003.0
10531.9	40°	10744.7	11408.3	12061.8	12806.5	13039.5	14022.3	15648.4	15673.8	15537.0
9544.1	42.5°	10070.9	10521.8	11545.1	12046.6	12674.8	13389.1	15146.9	15187.4	15091.2
9042.6	45°	9280.6	9782.2	10501.5	11413.4	12269.5	12517.7	14260.4	14685.9	14604.9
8044.6	47.5°	8556.2	8961.5	9843.0	10764.9	11712.3	11676.8	13242.1	14042.5	13931.1
7279.6	50°	7527.9	8237.1	8652.5	9498.5	10911.9	11008.1	12158.1	13287.7	13196.6
6185.4	52.5°	6347.5	7239.1	8034.4	8809.5	10101.3	10329.3	11149.9	12517.7	12456.9
4726.4	55°	5547.1	6195.5	7092.2	7715.3	9118.5	9726.4	10395.1	11783.2	11752.8
3885.5	57.5°	3946.3	5197.6	5937.2	6808.5	7548.1	8647.4	9143.9	10288.8	10005.1
2153.0	60°	2674.8	3262.4	4164.1	5101.3	5597.8	6697.1	7158.1	8075.0	7999.0
1286.7	62.5°	1413.4	1955.4	2598.8	3069.9	3429.6	4498.5	4691.0	5678.8	5653.5
516.7	65°	623.1	825.7	1408.3	1651.5	2021.3	2517.7	2684.9	3039.5	2953.4
253.3	67.5°	324.2	491.4	795.3	977.7	1231.0	1418.4	1555.2	1666.7	1737.6
167.2	70°	197.6	359.7	491.4	678.8	846.0	998.0	1104.4	1256.3	1347.5
86.1	72.5°	146.9	228.0	339.4	521.8	613.0	790.3	896.7	1008.1	1089.2
70.9	75°	81.1	152.0	273.6	410.3	491.4	643.4	739.6	815.6	840.9
40.5	77.5°	50.7	116.5	228.0	319.1	385.0	521.8	496.5	567.4	628.2
30.4	80°	35.5	86.1	177.3	263.4	268.5	334.3	395.1	455.9	496.5
20.3	82.5°	25.3	70.9	131.7	202.6	177.3	258.4	309.0	354.6	258.4
15.2	85°	20.3	50.7	65.9	121.6	101.3	182.4	157.0	152.0	101.3
10.1	87.5°	15.2	25.3	45.6	55.7	40.5	40.5	50.7	60.8	50.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
14873.3
14503.5
14604.9
14691.0
14817.6
15076.0
15511.6
16084.1
16712.3
17239.1
17517.7
17198.6
16879.4
16580.5
16266.5
15901.7
15506.6
15081.0
14615.0
14012.2
13211.7
12497.5
11788.2
9974.7
8004.1
5658.6
2917.9
1737.6
1352.6
1104.4
825.7
638.3
501.5
187.4
101.3
50.7
0.0

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