

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: P637806

Luminaire Tested: **IFLD-L-SA8A-722-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637806
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-722-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (128) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21276.9 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

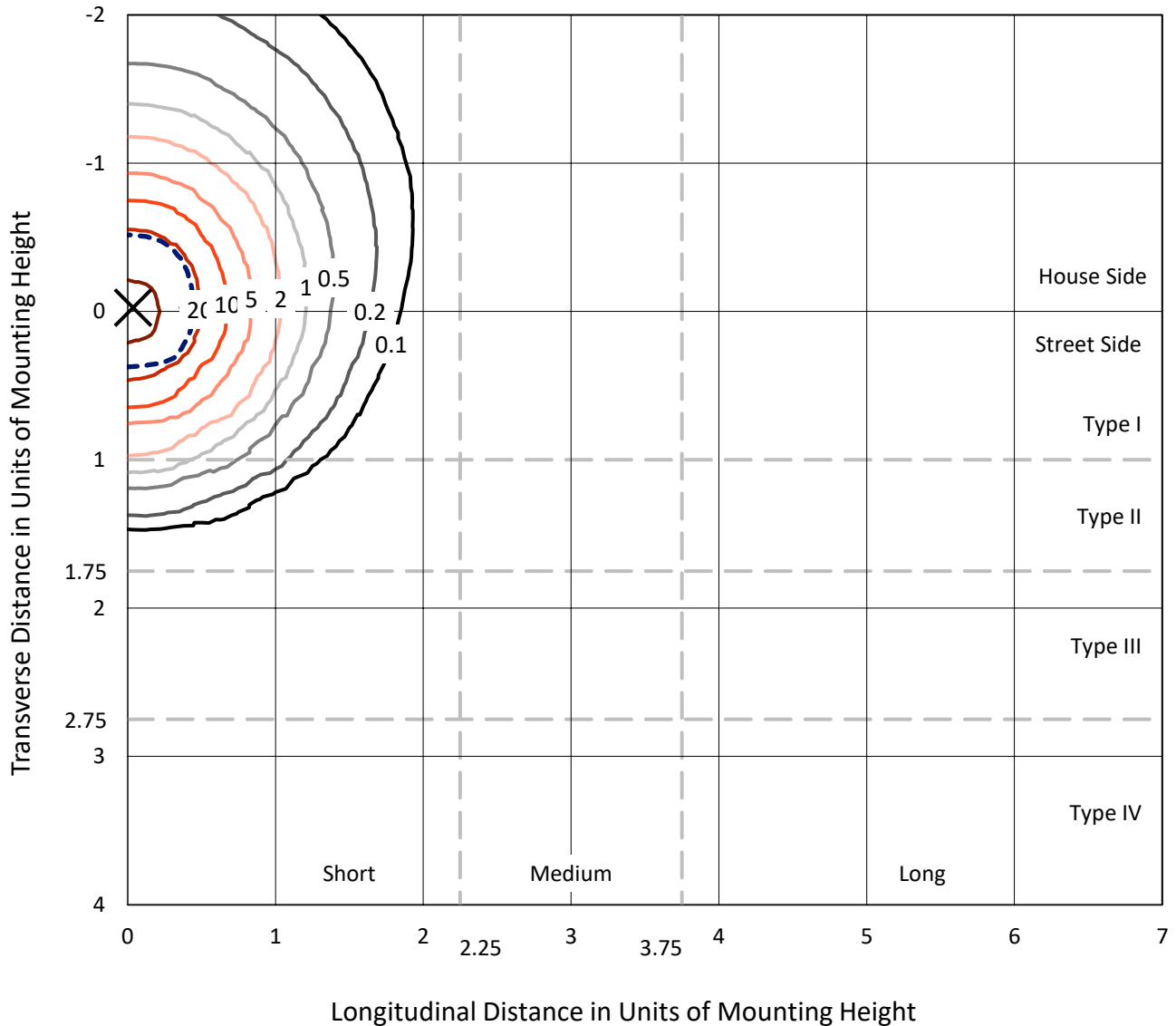
Input Watts (W): 247.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

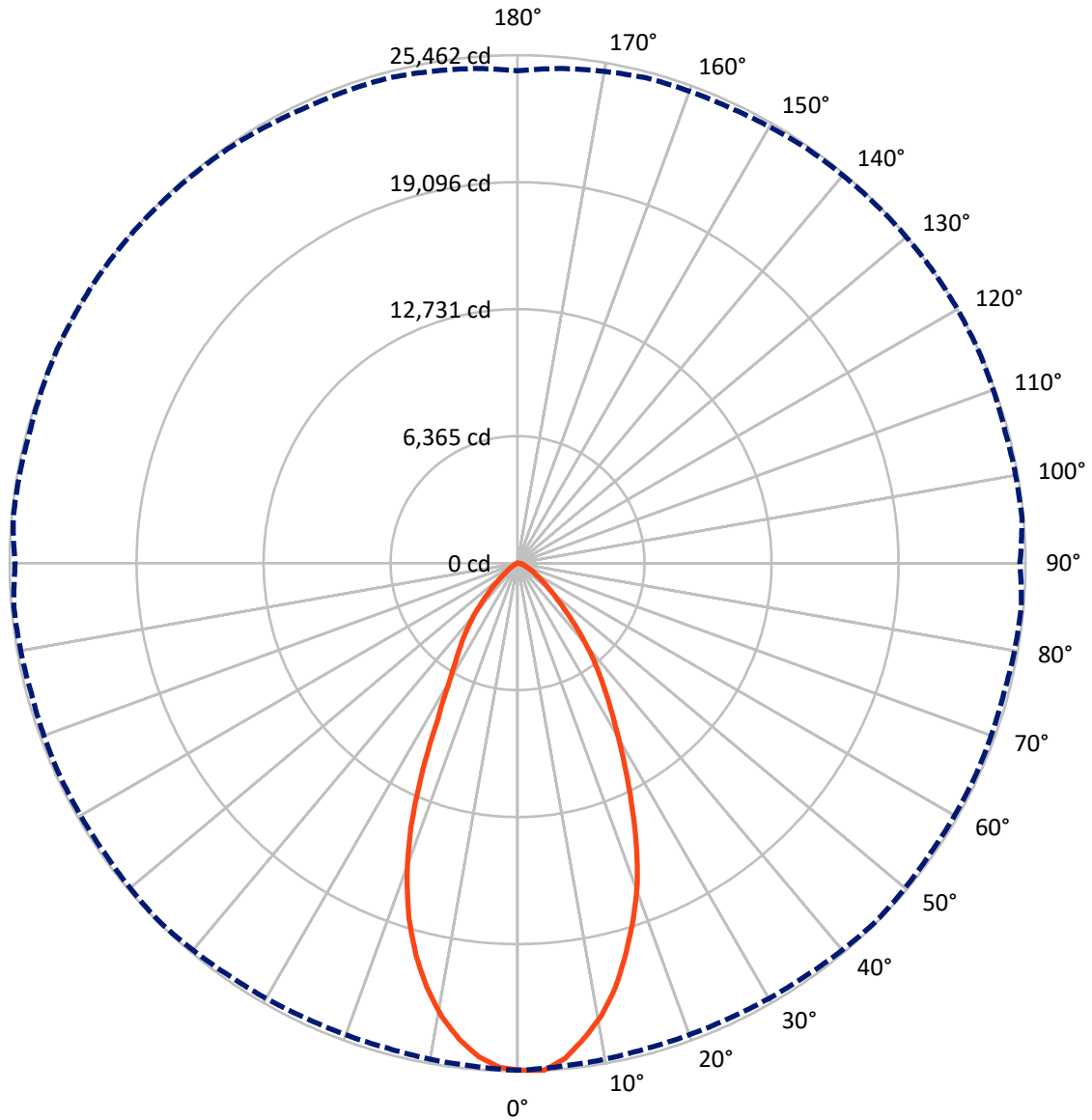
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 63.6 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	12073.4	0.0	12073.4
	% Fixture	56.7	0.0	56.7
Street Side	Lumens	9203.6	0.0	9203.6
	% Fixture	43.3	0.0	43.3
Total	Lumens	21276.9	0.0	21276.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2308.3	10.8
10°-20°	5502.5	25.9
20°-30°	5604.2	26.3
30°-40°	4179.0	19.6
40°-50°	2183.2	10.3
50°-60°	918.3	4.3
60°-70°	375.0	1.8
70°-80°	157.8	0.7
80°-90°	48.6	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°	21276.9	100.0
0°-180°	21276.9	100.0



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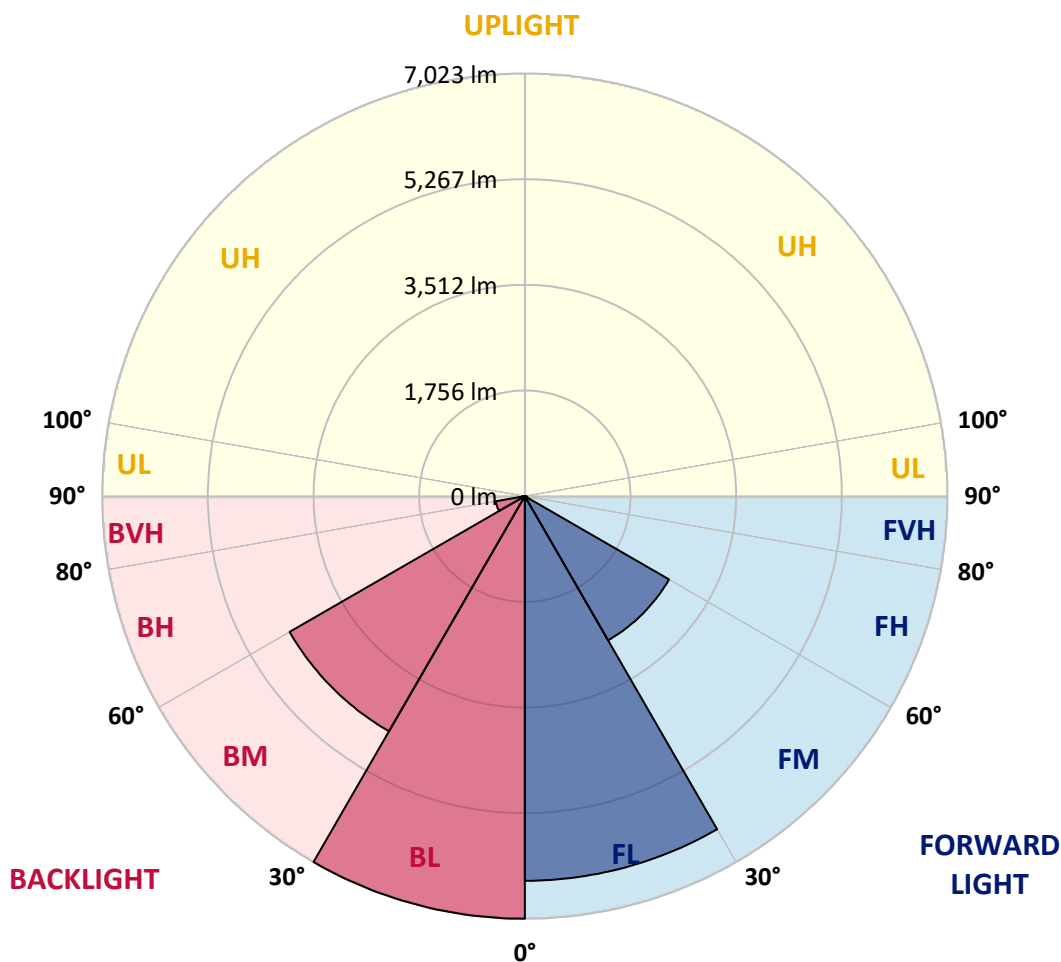
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6391.8	30.0			
FM (30°-60°)	2767.1	13.0			
FH (60°-80°)	40.0	0.2			G0/660
FVH (80°-90°)	4.5	0.0			G0/10
BL (0°-30°)	7023.1	33.0	B5		
BM (30°-60°)	4513.3	21.2	B3/5000		
BH (60°-80°)	492.8	2.3	B1/500		G1/500
BVH (80°-90°)	44.1	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 I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	25420.7	25420.7	25420.7	25420.7	25420.7	25420.7	25420.7	25420.7	25420.7	25420.7
2.5°	25423.5	25319.6	25172.0	25158.4	25234.9	25401.6	25295.0	25300.5	25234.9	25346.9
5°	25024.4	24926.0	24824.9	24691.0	24803.1	24874.1	24819.5	24759.3	24674.6	24783.9
7.5°	24270.1	24215.4	24065.1	24005.0	24073.3	24152.6	24035.1	24018.7	23901.1	24043.2
10°	23116.7	23094.9	22947.3	22911.7	22971.9	23092.1	23040.2	23029.3	22955.5	22941.8
12.5°	21919.6	21834.9	21651.8	21640.8	21731.0	21911.4	21772.0	21638.1	21679.1	21714.6
15°	18836.7	18746.5	19200.2	19913.5	20287.9	20274.3	20315.3	20154.0	20104.8	20121.2
17.5°	14974.8	14821.7	14985.7	16089.9	17869.1	18902.3	18618.0	18270.9	18085.0	17962.1
20°	12924.9	12933.1	12903.1	13187.3	14296.9	16652.9	16584.6	15915.0	15671.7	15570.6
22.5°	11678.6	11632.2	11566.6	11656.8	11954.7	13337.6	14264.1	13649.2	13564.5	13452.4
25°	10456.9	10456.9	10377.7	10467.8	10552.6	10571.7	11501.0	11752.4	11588.4	11588.4
27.5°	9399.2	9344.5	9309.0	9350.0	9237.9	8699.5	8817.0	10104.3	9992.3	9924.0
30°	8349.7	8333.3	8273.2	8327.8	7912.4	7305.6	7059.6	8527.3	8644.9	8620.3
32.5°	6892.9	6958.5	7226.4	7311.1	6600.5	6111.3	5876.2	7078.8	7548.9	7529.7
35°	4684.6	4739.2	5045.3	6056.6	5471.7	5121.9	5053.5	5630.2	6403.7	6477.5
37.5°	3730.7	3722.5	3810.0	3990.4	4397.6	4312.9	4293.7	4444.1	5223.0	5255.8
40°	3074.8	3063.8	3061.1	2913.5	2812.4	3585.9	3533.9	3443.7	4118.8	4184.4
42.5°	2478.9	2489.9	2498.1	2175.6	2028.0	2765.9	2735.9	2642.9	3230.5	3307.1
45°	1946.0	1943.2	1959.6	1620.7	1579.7	1768.3	2044.4	1970.6	2437.9	2519.9
47.5°	1008.5	1044.1	1265.4	1254.5	1273.6	1254.5	1546.9	1527.8	1833.9	1965.1
50°	677.8	688.7	707.9	710.6	1003.1	923.8	1049.5	1188.9	1284.6	1486.8
52.5°	524.8	533.0	483.8	453.7	615.0	683.3	688.7	822.7	896.5	1101.4
55°	292.4	328.0	352.6	355.3	338.9	505.6	502.9	609.5	666.9	803.5
57.5°	38.3	46.5	71.1	229.6	226.8	281.5	352.6	442.8	475.6	587.6
60°	2.7	5.5	8.2	35.5	150.3	164.0	240.5	276.0	330.7	412.7
62.5°	0.0	0.0	2.7	8.2	30.1	95.7	125.7	144.9	194.1	270.6
65°	0.0	0.0	2.7	5.5	10.9	35.5	49.2	79.3	114.8	166.7
67.5°	0.0	0.0	2.7	5.5	8.2	13.7	21.9	35.5	60.1	101.1
70°	0.0	0.0	2.7	5.5	8.2	10.9	16.4	21.9	32.8	54.7
72.5°	0.0	0.0	2.7	2.7	5.5	13.7	13.7	16.4	21.9	30.1
75°	0.0	0.0	2.7	5.5	8.2	13.7	13.7	13.7	16.4	19.1
77.5°	0.0	0.0	2.7	5.5	8.2	13.7	10.9	13.7	13.7	13.7
80°	0.0	0.0	2.7	5.5	8.2	13.7	16.4	13.7	10.9	10.9
82.5°	0.0	0.0	2.7	8.2	8.2	19.1	19.1	19.1	8.2	8.2
85°	0.0	0.0	5.5	8.2	13.7	21.9	21.9	16.4	8.2	5.5
87.5°	0.0	0.0	2.7	5.5	5.5	10.9	16.4	13.7	5.5	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°
25420.7	0°	25420.7	25420.7	25420.7	25420.7	25420.7	25420.7	25420.7	25420.7	25420.7
25183.0	2.5°	25385.2	25316.9	25445.3	25461.7	25407.1	25338.7	25180.2	25166.6	24890.5
24625.4	5°	24904.2	24792.1	24874.1	24928.8	24909.6	24835.9	24770.3	24710.1	24461.4
23720.7	7.5°	24007.7	23966.7	24005.0	24046.0	24125.2	24046.0	24018.7	23955.8	23709.8
22829.7	10°	23012.9	22936.3	23081.2	23062.1	23040.2	23018.3	22903.5	22914.5	22624.8
21616.2	12.5°	21791.2	21662.7	21802.1	21818.5	21802.1	21725.6	21597.1	21651.8	21386.7
19976.4	15°	20148.6	20134.9	20236.0	20301.6	20348.1	20266.1	20222.3	20249.7	20091.2
17866.4	17.5°	18131.5	18309.2	18639.9	18751.9	18754.7	18839.4	18814.8	18782.0	18664.5
15529.6	20°	15759.2	16100.8	16609.2	17131.2	17281.5	17210.5	17177.7	17237.8	17062.9
13334.9	22.5°	13569.9	13862.4	14452.7	15215.3	15655.3	15699.0	15690.8	15638.9	15570.6
11577.5	25°	11711.4	11971.1	12536.8	13233.8	14078.3	14204.0	14209.5	14193.1	14133.0
9984.1	27.5°	10142.6	10456.9	10768.5	11391.6	12290.8	12810.1	12744.5	12725.4	12703.5
8639.4	30°	8721.4	9117.7	9410.1	9798.2	10604.5	11306.9	11375.2	11342.4	11290.5
7527.0	32.5°	7595.3	7830.4	8202.1	8464.5	9043.9	9839.2	10101.6	10077.0	10030.5
6524.0	35°	6616.9	6709.8	7002.3	7294.7	7680.1	8450.8	8838.9	8784.2	8776.0
5315.9	37.5°	5449.8	5761.4	5922.7	6217.8	6488.4	7087.0	7622.7	7598.1	7600.8
4274.6	40°	4400.3	4580.7	4900.5	5149.2	5397.9	5835.2	6431.0	6447.4	6442.0
3309.8	42.5°	3378.1	3553.1	3889.2	4159.8	4381.2	4651.8	5220.3	5239.4	5264.0
2577.3	45°	2637.5	2749.5	2995.5	3277.0	3512.1	3676.0	4107.9	4230.9	4233.6
1997.9	47.5°	2047.1	2175.6	2350.5	2621.1	2850.6	2968.2	3282.5	3449.2	3441.0
1533.3	50°	1607.1	1724.6	1866.7	2079.9	2328.6	2421.5	2653.9	2817.8	2809.6
1156.1	52.5°	1229.9	1380.2	1505.9	1669.9	1913.2	1992.4	2159.2	2347.7	2320.4
847.3	55°	932.0	1085.0	1202.6	1339.2	1560.6	1661.7	1776.5	1926.8	1932.3
655.9	57.5°	702.4	860.9	967.5	1106.9	1273.6	1385.7	1473.2	1634.4	1631.7
448.2	60°	502.9	639.5	768.0	912.9	1041.3	1169.8	1229.9	1383.0	1388.4
317.0	62.5°	363.5	492.0	615.0	740.7	855.5	981.2	1035.9	1156.1	1172.5
207.7	65°	254.2	344.4	486.5	582.2	710.6	803.5	874.6	978.5	997.6
123.0	67.5°	164.0	248.7	385.4	470.1	587.6	666.9	740.7	822.7	847.3
79.3	70°	98.4	188.6	287.0	377.2	483.8	554.8	625.9	696.9	710.6
38.3	72.5°	62.9	131.2	207.7	306.1	388.1	464.6	527.5	579.4	538.4
24.6	75°	35.5	90.2	164.0	240.5	314.3	388.1	440.0	467.4	374.4
16.4	77.5°	21.9	65.6	133.9	194.1	243.2	311.6	344.4	360.8	267.8
10.9	80°	13.7	49.2	112.1	158.5	158.5	229.6	267.8	281.5	194.1
8.2	82.5°	10.9	35.5	87.5	120.3	106.6	172.2	210.5	213.2	136.7
5.5	85°	8.2	27.3	54.7	79.3	73.8	120.3	123.0	136.7	90.2
5.5	87.5°	5.5	16.4	32.8	46.5	41.0	57.4	65.6	73.8	49.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
25420.7
24674.6
24261.9
23657.9
22526.4
21310.1
19899.8
18489.6
16937.1
15439.4
13930.7
12575.1
11224.9
9907.6
8685.9
7513.3
6346.3
5182.0
4162.5
3410.9
2809.6
2323.2
1932.3
1626.2
1374.8
1167.0
992.1
844.5
699.7
500.2
355.3
251.4
180.4
125.7
82.0
43.7
0.0

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