

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: P638310

Luminaire Tested: **IFLD-S-SA3C-722-U-LAM-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P638310
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-722-U-LAM-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/
Lambertian distribution lens and Visor
Light Source: (48) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11499.7 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G1

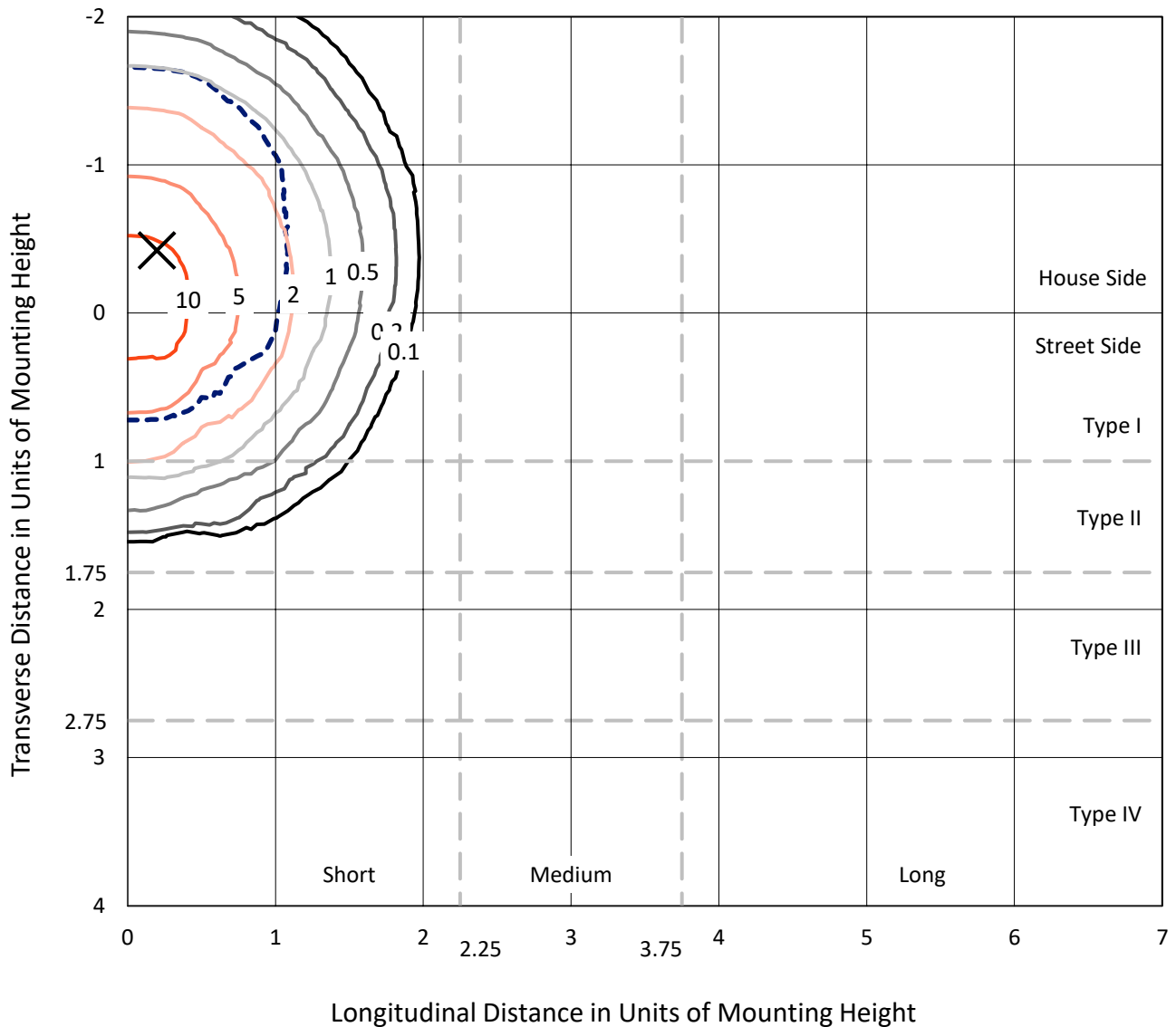
Input Watts (W): 160.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

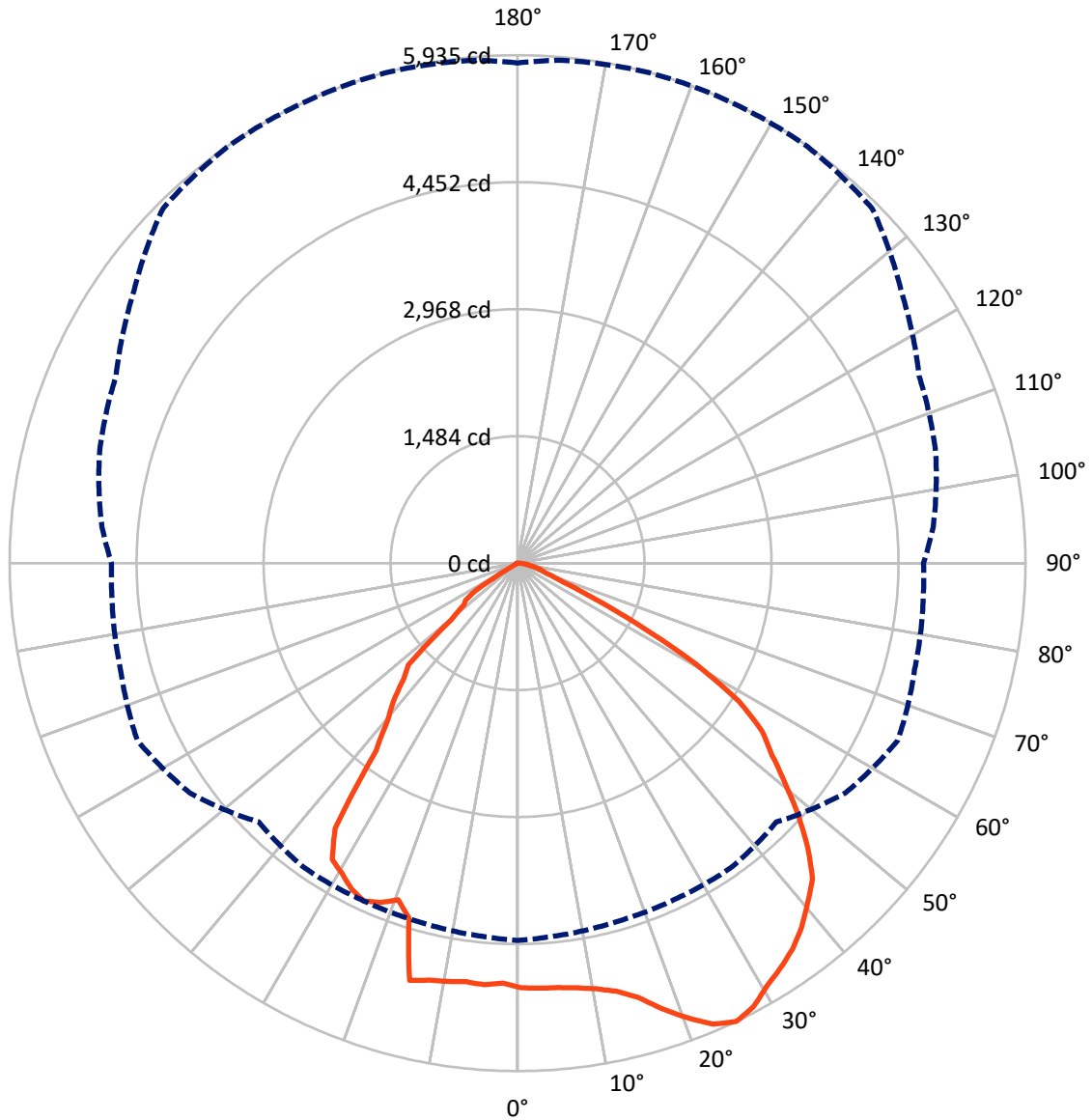
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 12.4 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	7119.5	0.0	7119.5
	% Fixture	61.9	0.0	61.9
Street Side	Lumens	4380.2	0.0	4380.2
	% Fixture	38.1	0.0	38.1
Total	Lumens	11499.7	0.0	11499.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	476.0	4.1
10°-20°	1453.5	12.6
20°-30°	2298.0	20.0
30°-40°	2595.7	22.6
40°-50°	2431.0	21.1
50°-60°	1676.0	14.6
60°-70°	450.3	3.9
70°-80°	93.8	0.8
80°-90°	25.4	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°	11499.7	100.0
0°-180°	11499.7	100.0



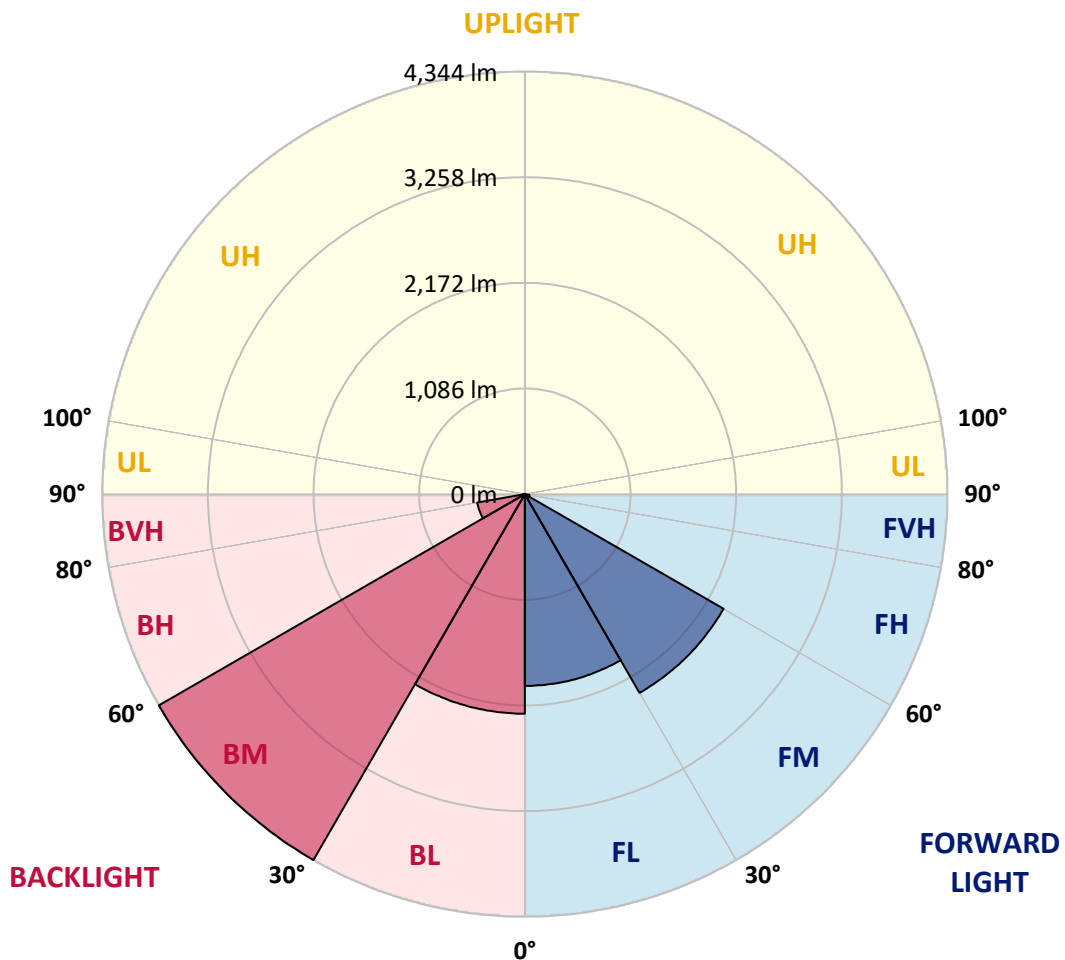
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1970.7	17.1			
FM (30°-60°)	2358.9	20.5			
FH (60°-80°)	47.3	0.4			G0/660
FVH (80°-90°)	3.4	0.0			G0/10
BL (0°-30°)	2256.8	19.6	B3/2500		
BM (30°-60°)	4343.8	37.8	B3/5000		
BH (60°-80°)	496.8	4.3	B1/500		G1/500
BVH (80°-90°)	22.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4961.9	4961.9	4961.9	4961.9	4961.9	4961.9	4961.9	4961.9	4961.9	4961.9
2.5°	4983.9	4951.8	4921.4	4911.2	4953.5	4999.1	4970.4	4972.1	4961.9	4980.5
5°	5021.1	4977.1	4956.9	4941.6	4948.4	4995.7	4955.2	4970.4	4953.5	4975.4
7.5°	5007.6	4977.1	4956.9	4928.1	4950.1	5005.9	4967.0	4968.7	4960.2	4980.5
10°	4999.1	4977.1	4951.8	4955.2	4980.5	5027.8	4997.4	5014.3	5002.5	5014.3
12.5°	5019.4	4995.7	4982.2	4982.2	5004.2	5058.3	5043.0	5058.3	5053.2	5063.3
15°	4828.4	4850.4	4978.8	5036.3	5080.2	5134.3	5127.5	5142.8	5146.1	5161.3
17.5°	4073.0	4051.0	4040.9	4336.6	5122.5	5289.8	5284.7	5283.0	5266.1	5254.3
20°	4172.7	4164.2	4152.4	4174.4	4262.3	5370.9	5404.7	5196.8	5136.0	5130.9
22.5°	4331.5	4318.0	4274.1	4275.8	4302.8	4669.5	5237.4	5048.1	5027.8	5016.0
25°	4409.3	4382.2	4346.8	4336.6	4345.1	4277.5	4678.0	4902.8	4803.1	4757.4
27.5°	4272.4	4274.1	4245.4	4272.4	4240.3	3936.1	3765.4	4618.8	4615.5	4595.2
30°	4169.3	4164.2	4130.4	4164.2	3942.8	3603.1	3530.5	4307.9	4272.4	4245.4
32.5°	3853.3	3856.6	3954.7	4086.5	3723.1	3454.4	3234.7	3848.2	4184.5	4169.3
35°	2756.4	2763.2	3111.3	3762.0	3390.2	3158.7	3141.8	3326.0	4045.9	4052.7
37.5°	2653.3	2653.3	2644.9	2751.4	3128.2	3038.7	3072.5	3053.9	3706.2	3723.1
40°	2579.0	2563.8	2551.9	2384.6	2175.1	2954.2	2977.8	2893.3	3503.4	3506.8
42.5°	2489.4	2472.5	2475.9	2166.6	1946.9	2744.6	2678.7	2565.5	3165.4	3168.8
45°	2325.5	2354.2	2374.5	1896.2	1879.3	1960.4	2470.8	2399.8	2937.3	2999.8
47.5°	1183.0	1208.4	1854.0	1744.1	1783.0	1742.4	2087.2	2088.9	2443.8	2651.7
50°	1073.2	1066.4	1068.1	1017.4	1646.1	1409.5	1509.2	1914.8	1957.1	2254.5
52.5°	1000.5	998.8	895.7	796.0	1034.3	1240.5	1095.1	1385.8	1455.1	1909.7
55°	740.2	794.3	706.4	748.7	647.3	993.7	988.7	1250.6	1274.3	1531.2
57.5°	6.8	8.5	20.3	569.5	447.9	496.9	682.8	853.5	895.7	1193.2
60°	1.7	3.4	8.5	16.9	290.7	305.9	456.3	493.5	556.0	711.5
62.5°	0.0	0.0	3.4	8.5	15.2	125.1	145.3	158.9	245.1	363.4
65°	0.0	0.0	1.7	5.1	8.5	20.3	35.5	74.4	106.5	131.8
67.5°	0.0	0.0	1.7	3.4	6.8	10.1	20.3	28.7	45.6	77.7
70°	0.0	0.0	1.7	3.4	5.1	8.5	13.5	20.3	27.0	38.9
72.5°	0.0	0.0	1.7	3.4	3.4	10.1	10.1	15.2	20.3	25.4
75°	0.0	0.0	1.7	1.7	3.4	6.8	10.1	11.8	13.5	20.3
77.5°	0.0	0.0	1.7	3.4	5.1	6.8	8.5	13.5	11.8	11.8
80°	0.0	0.0	1.7	5.1	5.1	8.5	10.1	13.5	8.5	8.5
82.5°	0.0	0.0	1.7	6.8	5.1	16.9	16.9	18.6	6.8	6.8
85°	0.0	0.0	5.1	3.4	10.1	16.9	15.2	10.1	8.5	5.1
87.5°	0.0	0.0	1.7	1.7	3.4	5.1	11.8	10.1	3.4	3.4
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°
4961.9	0°	4961.9	4961.9	4961.9	4961.9	4961.9	4961.9	4961.9	4961.9	4961.9
4931.5	2.5°	4999.1	4977.1	5022.8	5017.7	4995.7	4985.6	4973.8	4963.6	4889.3
4934.9	5°	5000.8	4967.0	5022.8	5012.6	5009.2	4992.3	4982.2	4997.4	4929.8
4948.4	7.5°	5000.8	4967.0	5027.8	5031.2	5026.1	5012.6	5010.9	5021.1	4965.3
4972.1	10°	5034.6	5021.1	5071.8	5076.8	5070.1	5066.7	5058.3	5051.5	4992.3
5053.2	12.5°	5105.6	5078.5	5136.0	5151.2	5146.1	5154.6	5134.3	5144.4	5083.6
5136.0	15°	5191.8	5193.5	5237.4	5271.2	5267.8	5294.9	5264.4	5291.5	5247.5
5230.6	17.5°	5323.6	5342.2	5404.7	5455.4	5474.0	5494.3	5474.0	5482.5	5419.9
5125.9	20°	5185.0	5254.3	5555.1	5648.1	5686.9	5705.5	5671.7	5681.9	5619.3
4997.4	22.5°	5059.9	5149.5	5416.5	5707.2	5827.2	5864.4	5852.6	5850.9	5827.2
4743.9	25°	4875.7	5056.6	5176.6	5484.1	5861.0	5928.6	5935.4	5933.7	5898.2
4588.4	27.5°	4649.3	4689.8	5000.8	5188.4	5624.4	5881.3	5871.2	5822.1	5774.8
4265.6	30°	4360.3	4544.5	4684.8	4983.9	5318.5	5736.0	5736.0	5698.8	5649.8
4150.7	32.5°	4213.2	4451.5	4581.7	4689.8	4975.4	5573.7	5641.3	5602.4	5563.6
4061.1	35°	4135.5	4171.0	4475.2	4573.2	4814.9	5261.1	5534.8	5496.0	5467.2
3822.8	37.5°	3964.8	4047.6	4189.6	4451.5	4525.9	5005.9	5392.9	5372.6	5338.8
3513.6	40°	3584.6	3805.9	4024.0	4272.4	4350.1	4678.0	5220.5	5228.9	5183.3
3184.0	42.5°	3359.8	3510.2	3851.6	4018.9	4228.5	4466.7	5053.2	5066.7	5034.6
3016.7	45°	3096.1	3263.4	3503.4	3807.6	4093.2	4176.1	4757.4	4899.4	4872.4
2683.8	47.5°	2854.5	2989.7	3283.7	3591.3	3907.3	3895.5	4417.7	4684.8	4647.6
2428.6	50°	2511.4	2748.0	2886.6	3168.8	3640.3	3672.4	4056.1	4432.9	4402.5
2063.5	52.5°	2117.6	2415.1	2680.4	2939.0	3369.9	3446.0	3719.8	4176.1	4155.8
1576.8	55°	1850.6	2066.9	2366.0	2573.9	3042.1	3244.9	3467.9	3931.0	3920.9
1296.3	57.5°	1316.5	1734.0	1980.7	2271.4	2518.1	2884.9	3050.5	3432.4	3337.8
718.3	60°	892.3	1088.4	1389.2	1701.9	1867.5	2234.2	2388.0	2693.9	2668.6
429.3	62.5°	471.5	652.4	867.0	1024.2	1144.1	1500.7	1565.0	1894.5	1886.1
172.4	65°	207.9	275.5	469.8	550.9	674.3	839.9	895.7	1014.0	985.3
84.5	67.5°	108.2	163.9	265.3	326.2	410.7	473.2	518.8	556.0	579.7
55.8	70°	65.9	120.0	163.9	226.5	282.2	332.9	368.4	419.1	449.5
28.7	72.5°	49.0	76.1	113.2	174.1	204.5	263.6	299.1	336.3	363.4
23.7	75°	27.0	50.7	91.3	136.9	163.9	214.6	246.7	272.1	280.5
13.5	77.5°	16.9	38.9	76.1	106.5	128.4	174.1	165.6	189.3	209.6
10.1	80°	11.8	28.7	59.2	87.9	89.6	111.5	131.8	152.1	165.6
6.8	82.5°	8.5	23.7	43.9	67.6	59.2	86.2	103.1	118.3	86.2
5.1	85°	6.8	16.9	22.0	40.6	33.8	60.8	52.4	50.7	33.8
3.4	87.5°	5.1	8.5	15.2	18.6	13.5	13.5	16.9	20.3	16.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
4961.9
4838.6
4872.4
4901.1
4943.3
5029.5
5174.9
5365.8
5575.4
5751.2
5844.1
5737.6
5631.2
5531.5
5426.7
5305.0
5173.2
5031.2
4875.7
4674.6
4407.6
4169.3
3932.7
3327.7
2670.2
1887.8
973.5
579.7
451.2
368.4
275.5
212.9
167.3
62.5
33.8
16.9
0.0

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