

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: P636921

Luminaire Tested: **IFLD-S-SA6A-935-U-LAM-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636921
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-935-U-LAM-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/
Lambertian distribution lens and Visor
Light Source: (96) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13208.6 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G2

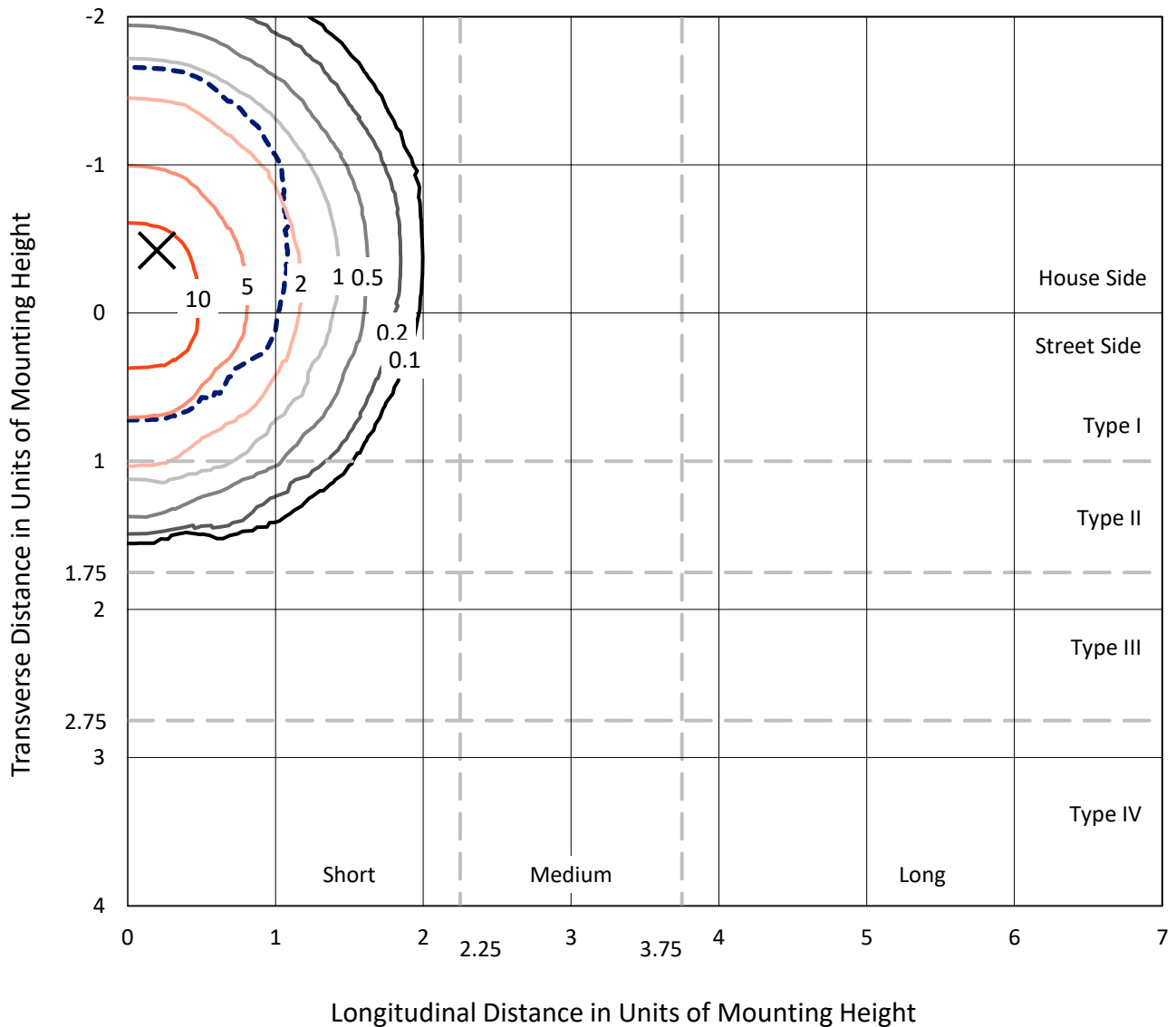
Input Watts (W): 189.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

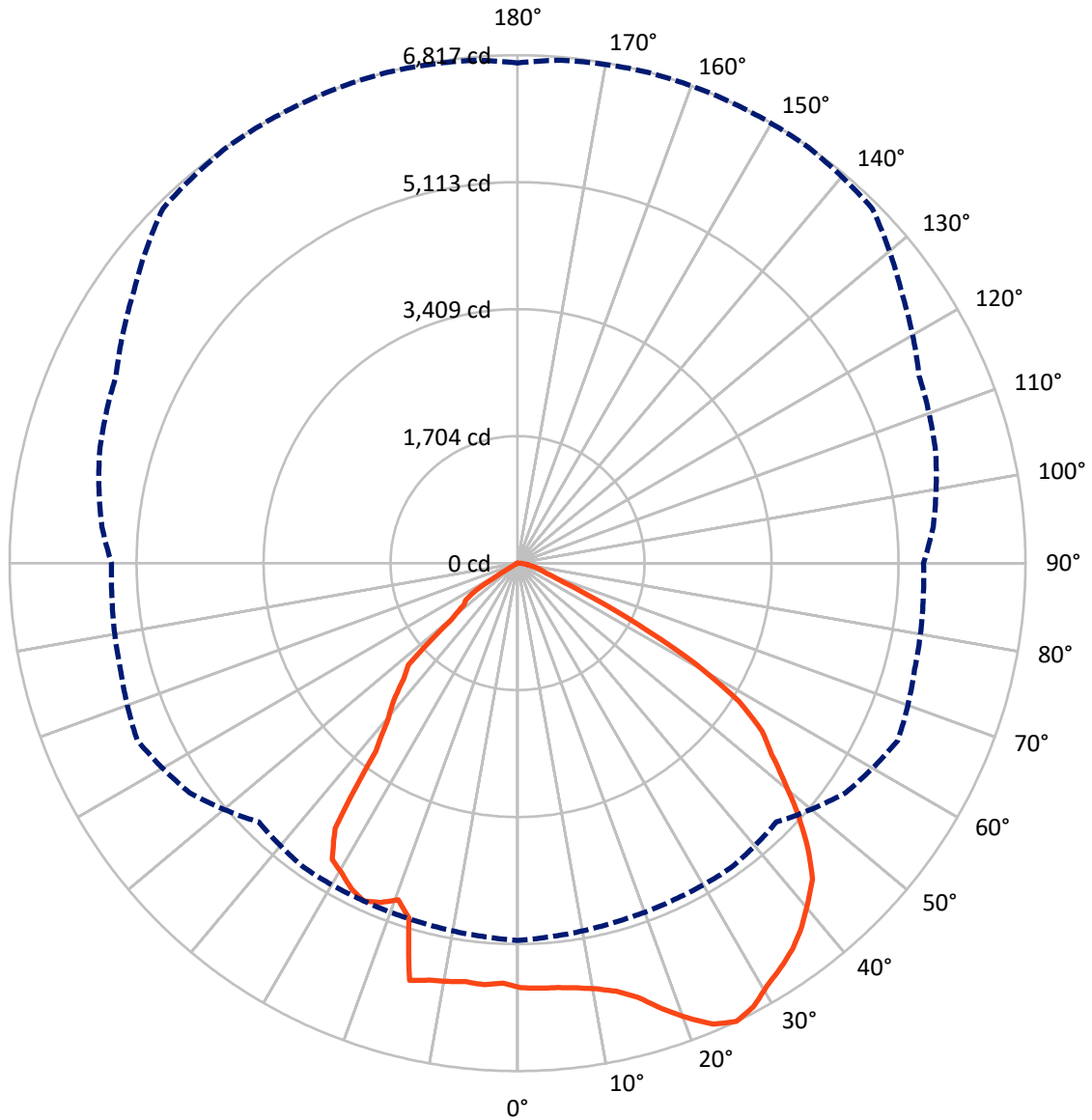
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 14.2 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	8177.5	0.0	8177.5
	% Fixture	61.9	0.0	61.9
Street Side	Lumens	5031.1	0.0	5031.1
	% Fixture	38.1	0.0	38.1
Total	Lumens	13208.6	0.0	13208.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	546.8	4.1
10°-20°	1669.5	12.6
20°-30°	2639.5	20.0
30°-40°	2981.5	22.6
40°-50°	2792.2	21.1
50°-60°	1925.0	14.6
60°-70°	517.2	3.9
70°-80°	107.8	0.8
80°-90°	29.2	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°	13208.6	100.0
0°-180°	13208.6	100.0



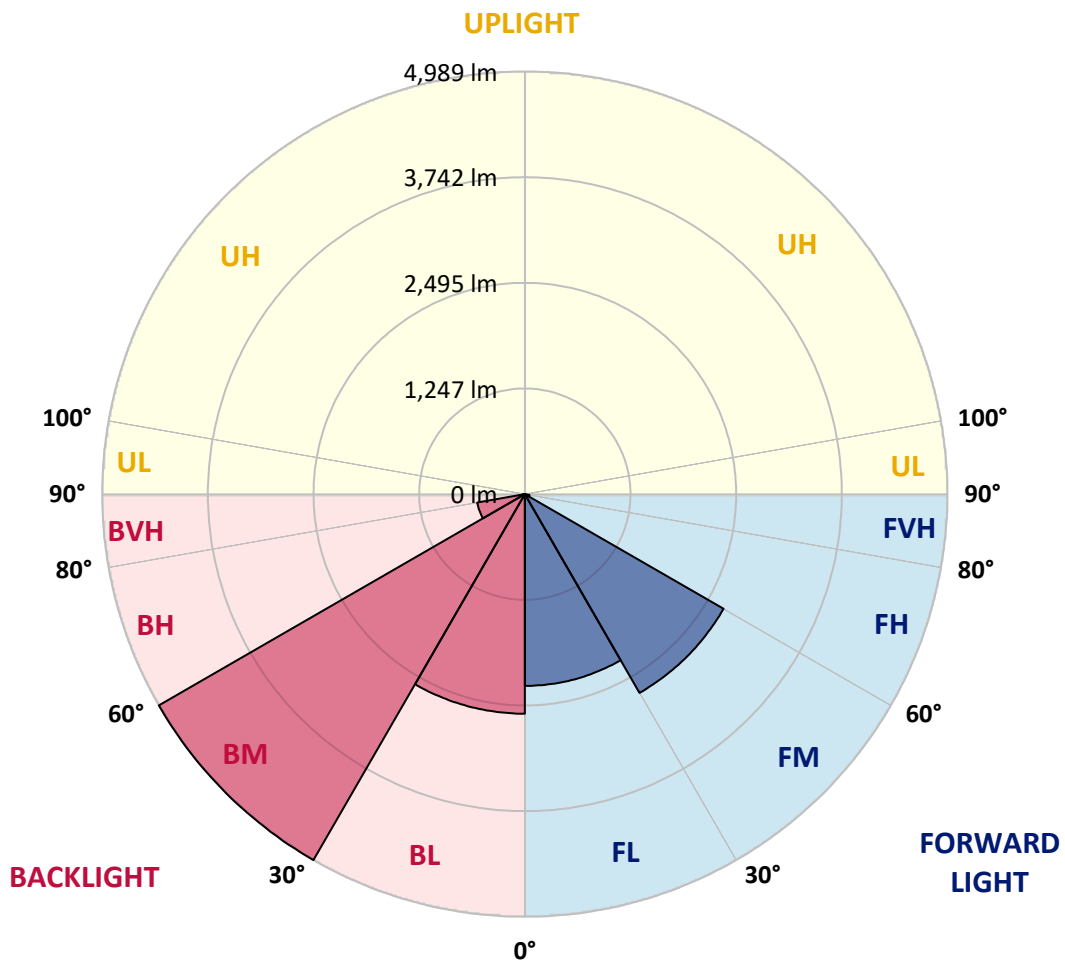
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2263.5	17.1			
FM	(30°-60°)	2709.4	20.5			
FH	(60°-80°)	54.3	0.4			G0/660
FVH	(80°-90°)	3.9	0.0			G0/10
BL	(0°-30°)	2592.2	19.6	B4/5000		
BM	(30°-60°)	4989.4	37.8	B3/5000		
BH	(60°-80°)	570.7	4.3	B2/1000		G2/1000
BVH	(80°-90°)	25.2	0.2			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°	5699.3	5699.3	5699.3	5699.3	5699.3	5699.3	5699.3	5699.3	5699.3	5699.3
2.5°	5724.5	5687.7	5652.7	5641.1	5689.6	5742.0	5709.0	5711.0	5699.3	5720.7
5°	5767.2	5716.8	5693.5	5676.0	5683.8	5738.1	5691.5	5709.0	5689.6	5714.8
7.5°	5751.7	5716.8	5693.5	5660.5	5685.7	5749.8	5705.1	5707.1	5697.4	5720.7
10°	5742.0	5716.8	5687.7	5691.5	5720.7	5775.0	5740.1	5759.5	5745.9	5759.5
12.5°	5765.3	5738.1	5722.6	5722.6	5747.8	5810.0	5792.5	5810.0	5804.1	5815.8
15°	5546.0	5571.2	5718.7	5784.7	5835.2	5897.3	5889.5	5907.0	5910.9	5928.4
17.5°	4678.2	4653.0	4641.4	4981.1	5883.7	6075.9	6070.1	6068.1	6048.7	6035.1
20°	4792.8	4783.1	4769.5	4794.7	4895.7	6169.1	6207.9	5969.1	5899.2	5893.4
22.5°	4975.2	4959.7	4909.2	4911.2	4942.2	5363.5	6015.7	5798.3	5775.0	5761.4
25°	5064.5	5033.5	4992.7	4981.1	4990.8	4913.1	5373.2	5631.4	5516.8	5464.4
27.5°	4907.3	4909.2	4876.2	4907.3	4870.4	4521.0	4324.9	5305.2	5301.4	5278.1
30°	4788.9	4783.1	4744.2	4783.1	4528.8	4138.6	4055.1	4948.1	4907.3	4876.2
32.5°	4425.9	4429.8	4542.4	4693.8	4276.4	3967.8	3715.4	4420.1	4806.4	4788.9
35°	3166.1	3173.8	3573.7	4321.1	3894.0	3628.1	3608.7	3820.2	4647.2	4655.0
37.5°	3047.7	3047.7	3037.9	3160.2	3593.1	3490.2	3529.1	3507.7	4257.0	4276.4
40°	2962.2	2944.8	2931.2	2739.0	2498.3	3393.2	3420.4	3323.3	4024.1	4027.9
42.5°	2859.4	2839.9	2843.8	2488.6	2236.2	3152.5	3076.8	2946.7	3635.8	3639.7
45°	2671.1	2704.1	2727.4	2178.0	2158.6	2251.8	2838.0	2756.5	3373.8	3445.6
47.5°	1358.8	1387.9	2129.5	2003.3	2047.9	2001.4	2397.4	2399.3	2806.9	3045.7
50°	1232.6	1224.9	1226.8	1168.6	1890.7	1618.9	1733.5	2199.4	2247.9	2589.5
52.5°	1149.2	1147.2	1028.8	914.3	1188.0	1424.8	1257.9	1591.8	1671.4	2193.5
55°	850.2	912.4	811.4	859.9	743.5	1141.4	1135.6	1436.5	1463.6	1758.7
57.5°	7.8	9.7	23.3	654.2	514.4	570.7	784.2	980.3	1028.8	1370.5
60°	1.9	3.9	9.7	19.4	333.9	351.4	524.1	566.8	638.6	817.2
62.5°	0.0	0.0	3.9	9.7	17.5	143.6	166.9	182.5	281.5	417.4
65°	0.0	0.0	1.9	5.8	9.7	23.3	40.8	85.4	122.3	151.4
67.5°	0.0	0.0	1.9	3.9	7.8	11.6	23.3	33.0	52.4	89.3
70°	0.0	0.0	1.9	3.9	5.8	9.7	15.5	23.3	31.1	44.6
72.5°	0.0	0.0	1.9	3.9	3.9	11.6	11.6	17.5	23.3	29.1
75°	0.0	0.0	1.9	1.9	3.9	7.8	11.6	13.6	15.5	23.3
77.5°	0.0	0.0	1.9	3.9	5.8	7.8	9.7	15.5	13.6	13.6
80°	0.0	0.0	1.9	5.8	5.8	9.7	11.6	15.5	9.7	9.7
82.5°	0.0	0.0	1.9	7.8	5.8	19.4	19.4	21.4	7.8	7.8
85°	0.0	0.0	5.8	3.9	11.6	19.4	17.5	11.6	9.7	5.8
87.5°	0.0	0.0	1.9	1.9	3.9	5.8	13.6	11.6	3.9	3.9
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°
5699.3	0°	5699.3	5699.3	5699.3	5699.3	5699.3	5699.3	5699.3	5699.3	5699.3
5664.4	2.5°	5742.0	5716.8	5769.2	5763.4	5738.1	5726.5	5712.9	5701.2	5615.8
5668.2	5°	5744.0	5705.1	5769.2	5757.5	5753.7	5734.2	5722.6	5740.1	5662.4
5683.8	7.5°	5744.0	5705.1	5775.0	5778.9	5773.1	5757.5	5755.6	5767.2	5703.2
5711.0	10°	5782.8	5767.2	5825.5	5831.3	5823.5	5819.7	5810.0	5802.2	5734.2
5804.1	12.5°	5864.3	5833.2	5899.2	5916.7	5910.9	5920.6	5897.3	5909.0	5839.1
5899.2	15°	5963.3	5965.2	6015.7	6054.5	6050.7	6081.7	6046.8	6077.8	6027.4
6008.0	17.5°	6114.7	6136.1	6207.9	6266.1	6287.5	6310.8	6287.5	6297.2	6225.4
5887.6	20°	5955.5	6035.1	6380.7	6487.4	6532.1	6553.4	6514.6	6526.2	6454.4
5740.1	22.5°	5811.9	5914.8	6221.5	6555.4	6693.2	6735.9	6722.3	6720.4	6693.2
5448.9	25°	5600.3	5808.0	5945.8	6299.1	6732.0	6809.7	6817.4	6815.5	6774.7
5270.3	27.5°	5340.2	5386.8	5744.0	5959.4	6460.2	6755.3	6743.7	6687.4	6633.0
4899.5	30°	5008.2	5219.8	5381.0	5724.5	6108.9	6588.4	6588.4	6545.7	6489.4
4767.5	32.5°	4839.4	5113.1	5262.5	5386.8	5714.8	6402.0	6479.7	6435.0	6390.4
4664.7	35°	4750.1	4790.8	5140.2	5252.8	5530.4	6042.9	6357.4	6312.7	6279.7
4390.9	37.5°	4554.0	4649.1	4812.2	5113.1	5198.5	5749.8	6194.3	6171.0	6132.2
4035.7	40°	4117.2	4371.5	4622.0	4907.3	4996.6	5373.2	5996.3	6006.0	5953.6
3657.2	42.5°	3859.1	4031.8	4423.9	4616.1	4856.8	5130.5	5804.1	5819.7	5782.8
3465.0	45°	3556.2	3748.4	4024.1	4373.5	4701.5	4796.7	5464.4	5627.5	5596.4
3082.6	47.5°	3278.7	3433.9	3771.7	4125.0	4488.0	4474.4	5074.2	5381.0	5338.2
2789.5	50°	2884.6	3156.4	3315.5	3639.7	4181.3	4218.2	4658.8	5091.7	5056.8
2370.2	52.5°	2432.3	2773.9	3078.7	3375.7	3870.7	3958.1	4272.5	4796.7	4773.4
1811.1	55°	2125.6	2374.1	2717.7	2956.4	3494.1	3727.1	3983.3	4515.2	4503.5
1488.9	57.5°	1512.2	1991.7	2275.1	2608.9	2892.4	3313.6	3503.8	3942.5	3833.8
825.0	60°	1024.9	1250.1	1595.7	1954.8	2145.0	2566.2	2742.9	3094.2	3065.1
493.1	62.5°	541.6	749.3	995.8	1176.4	1314.2	1723.8	1797.5	2176.1	2166.4
198.0	65°	238.8	316.4	539.6	632.8	774.5	964.8	1028.8	1164.7	1131.7
97.1	67.5°	124.2	188.3	304.8	374.6	471.7	543.5	595.9	638.6	665.8
64.1	70°	75.7	137.8	188.3	260.1	324.2	382.4	423.2	481.4	516.4
33.0	72.5°	56.3	87.4	130.1	199.9	234.9	302.8	343.6	386.3	417.4
27.2	75°	31.1	58.2	104.8	157.2	188.3	246.5	283.4	312.5	322.2
15.5	77.5°	19.4	44.6	87.4	122.3	147.5	199.9	190.2	217.4	240.7
11.6	80°	13.6	33.0	67.9	100.9	102.9	128.1	151.4	174.7	190.2
7.8	82.5°	9.7	27.2	50.5	77.6	67.9	99.0	118.4	135.9	99.0
5.8	85°	7.8	19.4	25.2	46.6	38.8	69.9	60.2	58.2	38.8
3.9	87.5°	5.8	9.7	17.5	21.4	15.5	15.5	19.4	23.3	19.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
5699.3
5557.6
5596.4
5629.4
5678.0
5777.0
5943.9
6163.2
6404.0
6605.8
6712.6
6590.3
6468.0
6353.5
6233.1
6093.4
5942.0
5778.9
5600.3
5369.3
5062.6
4788.9
4517.1
3822.2
3067.1
2168.3
1118.1
665.8
518.3
423.2
316.4
244.6
192.2
71.8
38.8
19.4
0.0

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