

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: P636923

Luminaire Tested: **IFLD-S-SA6C-935-U-LAM-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636923  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6C-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: 20335.1 lumens  
Efficiency: N/A  
Efficacy: 63.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G2

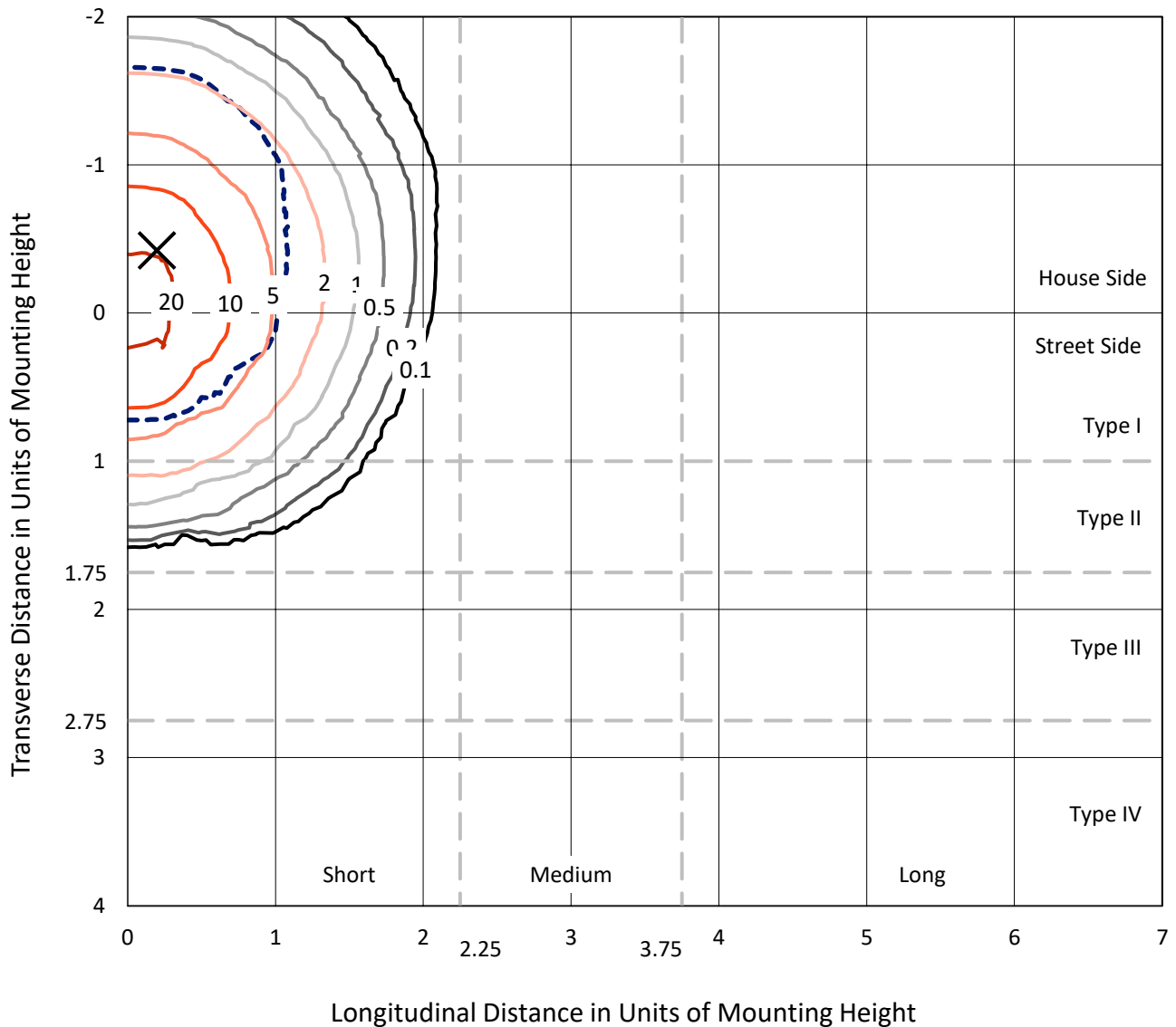
Input Watts (W): 321.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

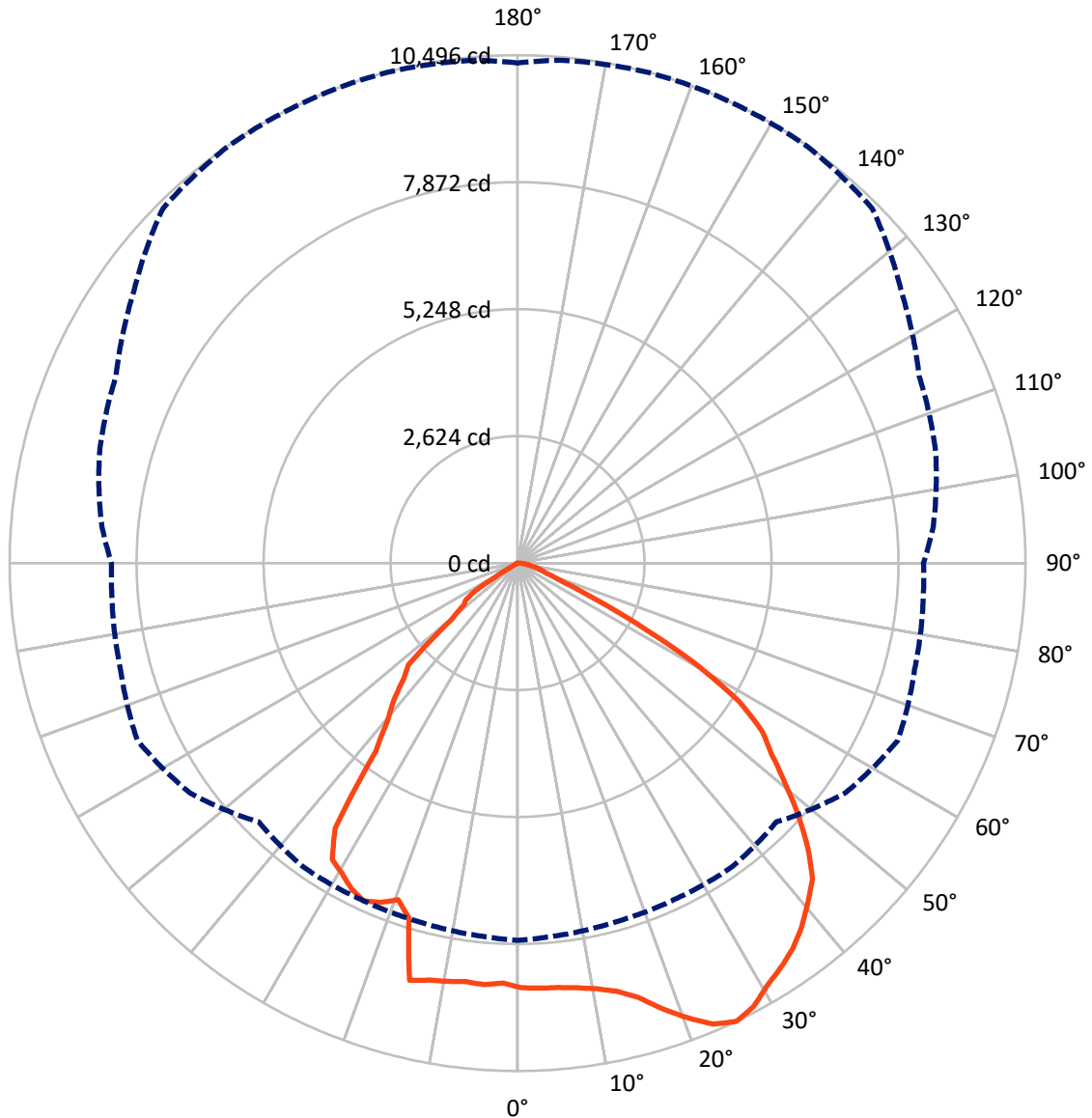
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 21.9 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
<b>House Side</b>	Lumens	12589.5	0.0	12589.5
	% Fixture	61.9	0.0	61.9
<b>Street Side</b>	Lumens	7745.6	0.0	7745.6
	% Fixture	38.1	0.0	38.1
<b>Total</b>	Lumens	20335.1	0.0	20335.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	841.8	4.1
10°-20°	2570.3	12.6
20°-30°	4063.5	20.0
30°-40°	4590.1	22.6
40°-50°	4298.7	21.1
50°-60°	2963.7	14.6
60°-70°	796.2	3.9
70°-80°	165.9	0.8
80°-90°	44.9	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°	20335.1	100.0
0°-180°	20335.1	100.0



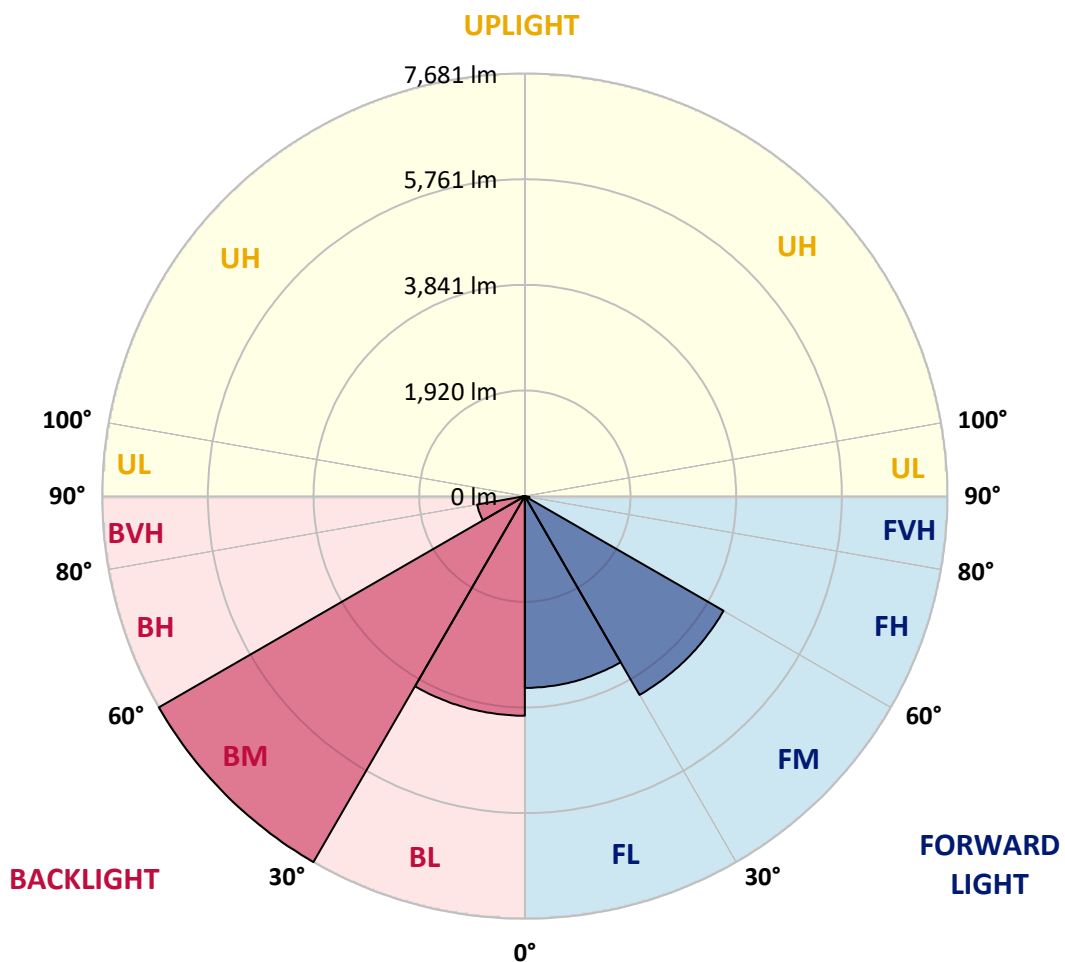
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3484.8	17.1			
FM (30°-60°)	4171.2	20.5			
FH (60°-80°)	83.6	0.4			G0/660
FVH (80°-90°)	6.0	0.0			G0/10
BL (0°-30°)	3990.8	19.6	B4/5000		
BM (30°-60°)	7681.3	37.8	B4/8500		
BH (60°-80°)	878.6	4.3	B2/1000		G2/1000
BVH (80°-90°)	38.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8774.3	8774.3	8774.3	8774.3	8774.3	8774.3	8774.3	8774.3	8774.3	8774.3
2.5°	8813.1	8756.3	8702.5	8684.6	8759.3	8840.0	8789.2	8792.2	8774.3	8807.1
5°	8878.8	8801.1	8765.3	8738.4	8750.3	8834.0	8762.3	8789.2	8759.3	8798.2
7.5°	8854.9	8801.1	8765.3	8714.5	8753.3	8852.0	8783.2	8786.2	8771.3	8807.1
10°	8840.0	8801.1	8756.3	8762.3	8807.1	8890.8	8837.0	8866.9	8846.0	8866.9
12.5°	8875.9	8834.0	8810.1	8810.1	8849.0	8944.6	8917.7	8944.6	8935.6	8953.6
15°	8538.2	8577.0	8804.1	8905.7	8983.4	9079.1	9067.1	9094.0	9100.0	9126.9
17.5°	7202.3	7163.4	7145.5	7668.5	9058.2	9354.0	9345.1	9342.1	9312.2	9291.3
20°	7378.6	7363.7	7342.8	7381.6	7537.0	9497.5	9557.2	9189.7	9082.1	9073.1
22.5°	7659.5	7635.6	7557.9	7560.9	7608.7	8257.2	9261.4	8926.7	8890.8	8869.9
25°	7797.0	7749.2	7686.4	7668.5	7683.4	7563.9	8272.2	8669.7	8493.3	8412.6
27.5°	7554.9	7557.9	7507.1	7554.9	7498.2	6960.2	6658.4	8167.6	8161.6	8125.7
30°	7372.6	7363.7	7303.9	7363.7	6972.2	6371.5	6243.0	7617.7	7554.9	7507.1
32.5°	6813.8	6819.8	6993.1	7226.2	6583.7	6108.5	5720.0	6804.8	7399.5	7372.6
35°	4874.3	4886.2	5501.8	6652.4	5994.9	5585.5	5555.6	5881.4	7154.5	7166.4
37.5°	4692.0	4692.0	4677.0	4865.3	5531.7	5373.3	5433.1	5400.2	6553.8	6583.7
40°	4560.5	4533.6	4512.6	4216.8	3846.2	5223.9	5265.7	5116.3	6195.2	6201.1
42.5°	4402.1	4372.2	4378.2	3831.3	3442.8	4853.3	4736.8	4536.6	5597.5	5603.4
45°	4112.2	4163.0	4198.8	3353.1	3323.2	3466.7	4369.2	4243.7	5194.0	5304.6
47.5°	2092.0	2136.8	3278.4	3084.1	3152.9	3081.1	3690.8	3693.8	4321.4	4689.0
50°	1897.7	1885.7	1888.7	1799.1	2910.8	2492.4	2668.7	3386.0	3460.7	3986.7
52.5°	1769.2	1766.2	1583.9	1407.6	1829.0	2193.6	1936.6	2450.6	2573.1	3377.0
55°	1309.0	1404.6	1249.2	1323.9	1144.6	1757.2	1748.3	2211.5	2253.3	2707.6
57.5°	12.0	14.9	35.9	1007.1	792.0	878.6	1207.4	1509.2	1583.9	2109.9
60°	3.0	6.0	14.9	29.9	514.0	540.9	806.9	872.6	983.2	1258.2
62.5°	0.0	0.0	6.0	14.9	26.9	221.1	257.0	280.9	433.3	642.5
65°	0.0	0.0	3.0	9.0	14.9	35.9	62.8	131.5	188.3	233.1
67.5°	0.0	0.0	3.0	6.0	12.0	17.9	35.9	50.8	80.7	137.5
70°	0.0	0.0	3.0	6.0	9.0	14.9	23.9	35.9	47.8	68.7
72.5°	0.0	0.0	3.0	6.0	6.0	17.9	17.9	26.9	35.9	44.8
75°	0.0	0.0	3.0	3.0	6.0	12.0	17.9	20.9	23.9	35.9
77.5°	0.0	0.0	3.0	6.0	9.0	12.0	14.9	23.9	20.9	20.9
80°	0.0	0.0	3.0	9.0	9.0	14.9	17.9	23.9	14.9	14.9
82.5°	0.0	0.0	3.0	12.0	9.0	29.9	29.9	32.9	12.0	12.0
85°	0.0	0.0	9.0	6.0	17.9	29.9	26.9	17.9	14.9	9.0
87.5°	0.0	0.0	3.0	3.0	6.0	9.0	20.9	17.9	6.0	6.0
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°
8774.3	0°	8774.3	8774.3	8774.3	8774.3	8774.3	8774.3	8774.3	8774.3	8774.3
8720.5	2.5°	8840.0	8801.1	8881.8	8872.9	8834.0	8816.1	8795.2	8777.2	8645.7
8726.4	5°	8843.0	8783.2	8881.8	8863.9	8857.9	8828.0	8810.1	8837.0	8717.5
8750.3	7.5°	8843.0	8783.2	8890.8	8896.8	8887.8	8863.9	8860.9	8878.8	8780.2
8792.2	10°	8902.8	8878.8	8968.5	8977.5	8965.5	8959.5	8944.6	8932.6	8828.0
8935.6	12.5°	9028.3	8980.5	9082.1	9109.0	9100.0	9114.9	9079.1	9097.0	8989.4
9082.1	15°	9180.7	9183.7	9261.4	9321.1	9315.2	9363.0	9309.2	9357.0	9279.3
9249.4	17.5°	9413.8	9446.7	9557.2	9646.9	9679.8	9715.6	9679.8	9694.7	9584.1
9064.1	20°	9168.7	9291.3	9823.2	9987.6	10056.3	10089.2	10029.4	10047.4	9936.8
8837.0	22.5°	8947.6	9106.0	9578.2	10092.2	10304.4	10370.1	10349.2	10346.2	10304.4
8388.7	25°	8621.8	8941.6	9153.8	9697.7	10364.1	10483.7	10495.6	10492.6	10429.9
8113.8	27.5°	8221.4	8293.1	8843.0	9174.7	9945.7	10400.0	10382.1	10295.4	10211.7
7543.0	30°	7710.3	8036.1	8284.1	8813.1	9404.8	10143.0	10143.0	10077.2	9990.6
7339.8	32.5°	7450.3	7871.7	8101.8	8293.1	8798.2	9856.1	9975.6	9906.9	9838.2
7181.4	35°	7312.9	7375.6	7913.6	8086.9	8514.3	9303.2	9787.4	9718.6	9667.8
6760.0	37.5°	7011.0	7157.5	7408.5	7871.7	8003.2	8852.0	9536.3	9500.5	9440.7
6213.1	40°	6338.6	6730.1	7115.6	7554.9	7692.4	8272.2	9231.5	9246.4	9165.7
5630.3	42.5°	5941.1	6207.1	6810.8	7106.7	7477.2	7898.6	8935.6	8959.5	8902.8
5334.5	45°	5474.9	5770.8	6195.2	6733.1	7238.2	7384.6	8412.6	8663.7	8615.9
4745.7	47.5°	5047.6	5286.7	5806.7	6350.6	6909.4	6888.5	7812.0	8284.1	8218.4
4294.5	50°	4440.9	4859.3	5104.4	5603.4	6437.2	6494.0	7172.4	7838.8	7785.1
3649.0	52.5°	3744.6	4270.6	4739.8	5197.0	5959.1	6093.6	6577.7	7384.6	7348.7
2788.3	55°	3272.4	3654.9	4183.9	4551.5	5379.3	5737.9	6132.4	6951.3	6933.3
2292.2	57.5°	2328.0	3066.2	3502.5	4016.6	4452.9	5101.4	5394.3	6069.7	5902.3
1270.1	60°	1577.9	1924.6	2456.6	3009.4	3302.3	3950.8	4222.8	4763.7	4718.8
759.1	62.5°	833.8	1153.6	1533.1	1811.0	2023.2	2653.8	2767.4	3350.1	3335.2
304.8	65°	367.6	487.1	830.8	974.3	1192.4	1485.3	1583.9	1793.1	1742.3
149.4	67.5°	191.3	289.9	469.2	576.8	726.2	836.8	917.5	983.2	1025.1
98.6	70°	116.6	212.2	289.9	400.5	499.1	588.7	651.5	741.1	794.9
50.8	72.5°	86.7	134.5	200.2	307.8	361.6	466.2	529.0	594.7	642.5
41.8	75°	47.8	89.7	161.4	242.1	289.9	379.5	436.3	481.1	496.1
23.9	77.5°	29.9	68.7	134.5	188.3	227.1	307.8	292.9	334.7	370.6
17.9	80°	20.9	50.8	104.6	155.4	158.4	197.2	233.1	269.0	292.9
12.0	82.5°	14.9	41.8	77.7	119.5	104.6	152.4	182.3	209.2	152.4
9.0	85°	12.0	29.9	38.9	71.7	59.8	107.6	92.6	89.7	59.8
6.0	87.5°	9.0	14.9	26.9	32.9	23.9	23.9	29.9	35.9	29.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°
8774.3
8556.1
8615.9
8666.7
8741.4
8893.8
9150.8
9488.5
9859.1
10169.9
10334.3
10146.0
9957.7
9781.4
9596.1
9380.9
9147.8
8896.8
8621.8
8266.2
7794.0
7372.6
6954.3
5884.4
4721.8
3338.2
1721.4
1025.1
797.9
651.5
487.1
376.6
295.9
110.6
59.8
29.9
0.0

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