

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: P636991

Luminaire Tested: **IFLD-L-SA7C-950-U-LAM-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636991  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7C-950-U-LAM-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/  
Lambertian distribution lens and Visor  
Light Source: (112) 5000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23609.8 lumens  
Efficiency: N/A  
Efficacy: 64.0 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G3

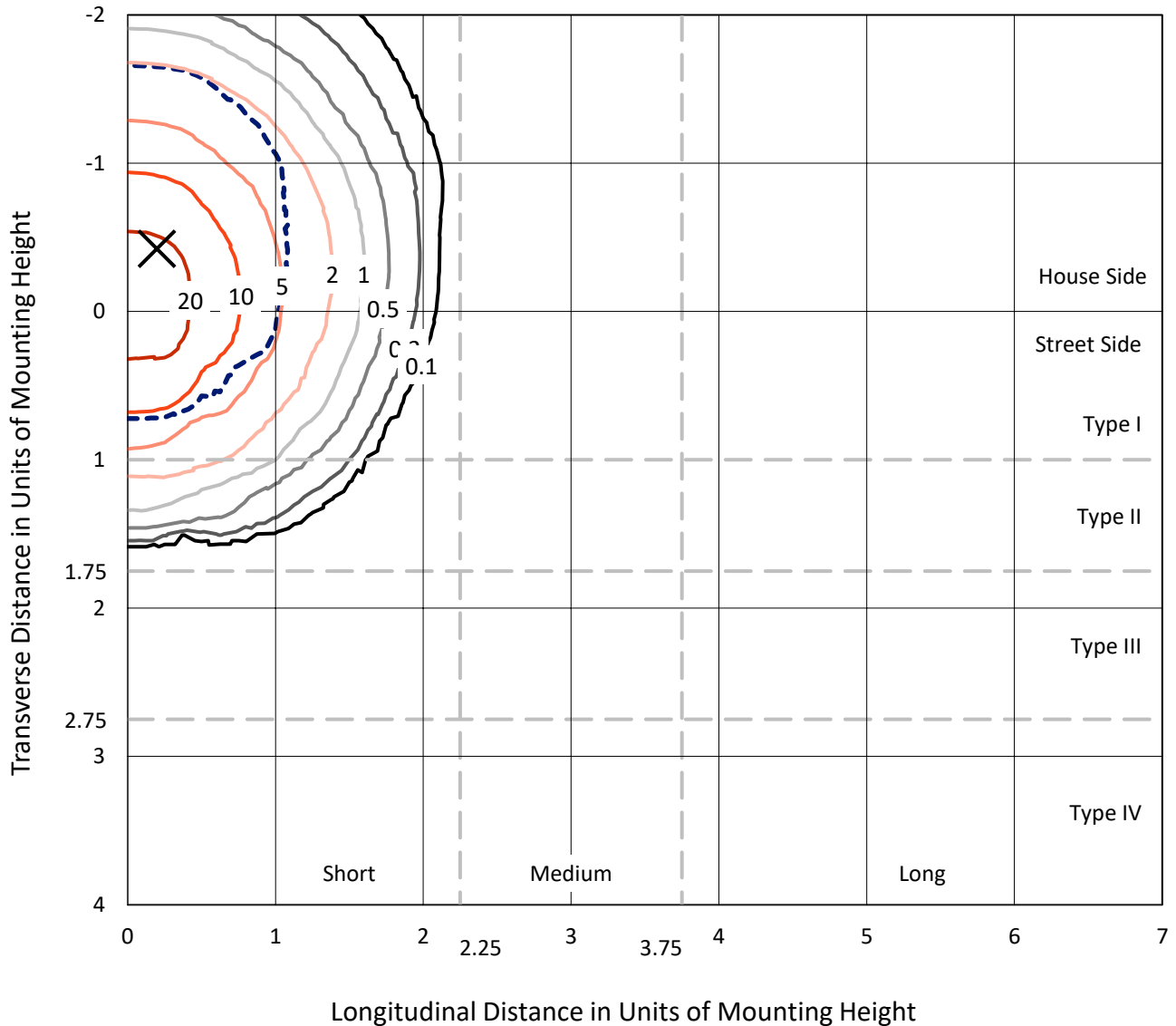
Input Watts (W): 369  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

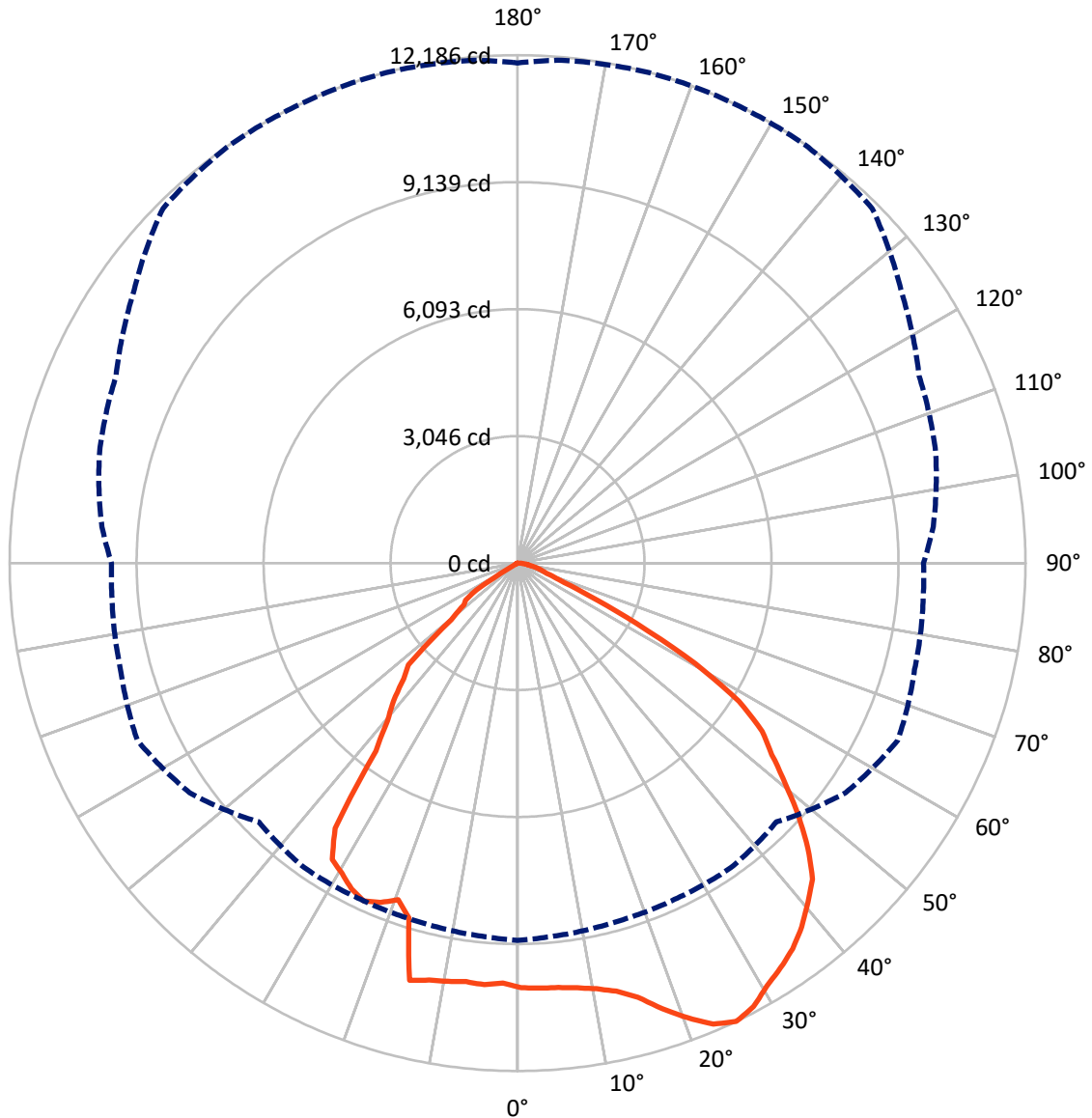
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 25.5 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	14616.9	0.0	14616.9
	% Fixture	61.9	0.0	61.9
<b>Street Side</b>	Lumens	8992.9	0.0	8992.9
	% Fixture	38.1	0.0	38.1
<b>Total</b>	Lumens	23609.8	0.0	23609.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	977.3	4.1
10°-20°	2984.2	12.6
20°-30°	4717.9	20.0
30°-40°	5329.3	22.6
40°-50°	4991.0	21.1
50°-60°	3440.9	14.6
60°-70°	924.5	3.9
70°-80°	192.6	0.8
80°-90°	52.1	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°	23609.8	100.0
0°-180°	23609.8	100.0



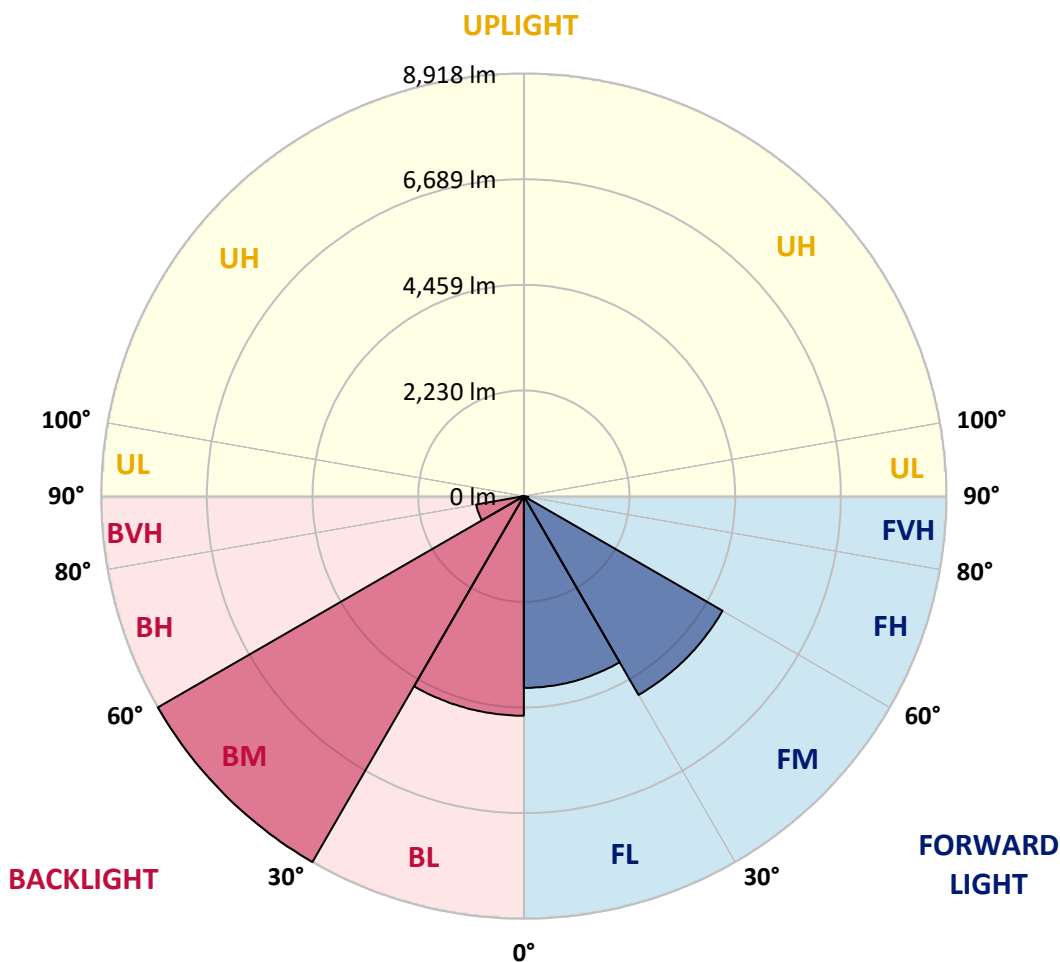
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4046.0	17.1			
FM (30°-60°)	4842.9	20.5			
FH (60°-80°)	97.0	0.4			G0/660
FVH (80°-90°)	7.0	0.0			G0/10
BL (0°-30°)	4633.5	19.6	B4/5000		
BM (30°-60°)	8918.3	37.8	B5		
BH (60°-80°)	1020.1	4.3	B3/2500		G3/2500
BVH (80°-90°)	45.1	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-G3**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10187.2	10187.2	10187.2	10187.2	10187.2	10187.2	10187.2	10187.2	10187.2	10187.2
2.5°	10232.3	10166.4	10104.0	10083.1	10169.9	10263.6	10204.6	10208.0	10187.2	10225.4
5°	10308.7	10218.5	10176.8	10145.6	10159.5	10256.6	10173.3	10204.6	10169.9	10215.0
7.5°	10280.9	10218.5	10176.8	10117.8	10162.9	10277.4	10197.6	10201.1	10183.8	10225.4
10°	10263.6	10218.5	10166.4	10173.3	10225.4	10322.5	10260.1	10294.8	10270.5	10294.8
12.5°	10305.2	10256.6	10228.9	10228.9	10274.0	10385.0	10353.8	10385.0	10374.6	10395.4
15°	9913.1	9958.2	10221.9	10339.9	10430.1	10541.1	10527.3	10558.5	10565.4	10596.7
17.5°	8362.1	8317.0	8296.2	8903.4	10516.9	10860.4	10850.0	10846.5	10811.8	10787.5
20°	8566.8	8549.5	8525.2	8570.3	8750.7	11026.9	11096.3	10669.5	10544.6	10534.2
22.5°	8893.0	8865.2	8775.0	8778.5	8834.0	9587.0	10752.8	10364.2	10322.5	10298.3
25°	9052.6	8997.1	8924.2	8903.4	8920.8	8782.0	9604.3	10065.8	9861.1	9767.4
27.5°	8771.6	8775.0	8716.0	8771.6	8705.6	8081.1	7730.6	9482.9	9475.9	9434.3
30°	8559.9	8549.5	8480.1	8549.5	8095.0	7397.5	7248.3	8844.4	8771.6	8716.0
32.5°	7911.1	7918.0	8119.2	8389.9	7643.9	7092.2	6641.1	7900.7	8591.1	8559.9
35°	5659.2	5673.1	6387.8	7723.7	6960.3	6485.0	6450.3	6828.5	8306.6	8320.5
37.5°	5447.5	5447.5	5430.2	5648.8	6422.5	6238.6	6308.0	6269.9	7609.2	7643.9
40°	5294.9	5263.6	5239.3	4895.8	4465.6	6065.1	6113.7	5940.2	7192.8	7199.8
42.5°	5111.0	5076.3	5083.2	4448.2	3997.2	5634.9	5499.6	5267.1	6498.9	6505.8
45°	4774.4	4833.4	4875.0	3893.1	3858.4	4024.9	5072.8	4927.1	6030.4	6158.8
47.5°	2428.8	2480.9	3806.3	3580.8	3660.6	3577.3	4285.2	4288.6	5017.3	5444.1
50°	2203.3	2189.4	2192.9	2088.8	3379.6	2893.8	3098.5	3931.2	4018.0	4628.7
52.5°	2054.1	2050.6	1839.0	1634.3	2123.5	2546.8	2248.4	2845.2	2987.5	3920.8
55°	1519.8	1630.8	1450.4	1537.1	1328.9	2040.2	2029.8	2567.6	2616.2	3143.6
57.5°	13.9	17.3	41.6	1169.3	919.5	1020.1	1401.8	1752.2	1839.0	2449.7
60°	3.5	6.9	17.3	34.7	596.8	628.0	936.8	1013.2	1141.6	1460.8
62.5°	0.0	0.0	6.9	17.3	31.2	256.8	298.4	326.2	503.1	746.0
65°	0.0	0.0	3.5	10.4	17.3	41.6	72.9	152.7	218.6	270.6
67.5°	0.0	0.0	3.5	6.9	13.9	20.8	41.6	59.0	93.7	159.6
70°	0.0	0.0	3.5	6.9	10.4	17.3	27.8	41.6	55.5	79.8
72.5°	0.0	0.0	3.5	6.9	6.9	20.8	20.8	31.2	41.6	52.0
75°	0.0	0.0	3.5	3.5	6.9	13.9	20.8	24.3	27.8	41.6
77.5°	0.0	0.0	3.5	6.9	10.4	13.9	17.3	27.8	24.3	24.3
80°	0.0	0.0	3.5	10.4	10.4	17.3	20.8	27.8	17.3	17.3
82.5°	0.0	0.0	3.5	13.9	10.4	34.7	34.7	38.2	13.9	13.9
85°	0.0	0.0	10.4	6.9	20.8	34.7	31.2	20.8	17.3	10.4
87.5°	0.0	0.0	3.5	3.5	6.9	10.4	24.3	20.8	6.9	6.9
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°
10187.2	0°	10187.2	10187.2	10187.2	10187.2	10187.2	10187.2	10187.2	10187.2	10187.2
10124.8	2.5°	10263.6	10218.5	10312.1	10301.7	10256.6	10235.8	10211.5	10190.7	10038.0
10131.7	5°	10267.0	10197.6	10312.1	10291.3	10284.4	10249.7	10228.9	10260.1	10121.3
10159.5	7.5°	10267.0	10197.6	10322.5	10329.5	10319.1	10291.3	10287.9	10308.7	10194.2
10208.0	10°	10336.4	10308.7	10412.8	10423.2	10409.3	10402.4	10385.0	10371.1	10249.7
10374.6	12.5°	10482.2	10426.6	10544.6	10575.8	10565.4	10582.8	10541.1	10562.0	10437.1
10544.6	15°	10659.1	10662.6	10752.8	10822.2	10815.3	10870.8	10808.3	10863.8	10773.6
10738.9	17.5°	10929.8	10967.9	11096.3	11200.4	11238.6	11280.2	11238.6	11255.9	11127.5
10523.8	20°	10645.2	10787.5	11405.1	11596.0	11675.8	11713.9	11644.5	11665.3	11537.0
10260.1	22.5°	10388.5	10572.4	11120.6	11717.4	11963.7	12040.1	12015.8	12012.3	11963.7
9739.6	25°	10010.3	10381.5	10627.9	11259.4	12033.1	12171.9	12185.8	12182.3	12109.5
9420.4	27.5°	9545.3	9628.6	10267.0	10652.2	11547.4	12074.8	12054.0	11953.3	11856.2
8757.7	30°	8952.0	9330.2	9618.2	10232.3	10919.3	11776.4	11776.4	11700.0	11599.4
8521.7	32.5°	8650.1	9139.4	9406.5	9628.6	10215.0	11443.3	11582.1	11502.3	11422.5
8337.8	35°	8490.5	8563.4	9187.9	9389.2	9885.4	10801.4	11363.5	11283.7	11224.7
7848.6	37.5°	8140.1	8310.1	8601.5	9139.4	9292.0	10277.4	11072.0	11030.4	10961.0
7213.6	40°	7359.4	7813.9	8261.5	8771.6	8931.2	9604.3	10718.1	10735.5	10641.8
6537.0	42.5°	6897.9	7206.7	7907.6	8251.1	8681.3	9170.6	10374.6	10402.4	10336.4
6193.5	45°	6356.6	6700.1	7192.8	7817.4	8403.8	8573.8	9767.4	10058.8	10003.3
5510.0	47.5°	5860.4	6138.0	6741.8	7373.2	8022.1	7997.8	9070.0	9618.2	9541.9
4986.1	50°	5156.1	5641.8	5926.4	6505.8	7473.9	7539.8	8327.4	9101.2	9038.7
4236.6	52.5°	4347.6	4958.3	5503.0	6033.9	6918.7	7074.8	7637.0	8573.8	8532.1
3237.3	55°	3799.4	4243.5	4857.7	5284.5	6245.6	6661.9	7120.0	8070.7	8049.9
2661.3	57.5°	2702.9	3560.0	4066.6	4663.4	5169.9	5922.9	6262.9	7047.1	6852.8
1474.6	60°	1832.0	2234.5	2852.1	3494.1	3834.1	4587.0	4902.8	5530.8	5478.8
881.3	62.5°	968.1	1339.3	1780.0	2102.7	2349.0	3081.2	3213.0	3889.6	3872.3
353.9	65°	426.8	565.6	964.6	1131.1	1384.4	1724.5	1839.0	2081.9	2022.9
173.5	67.5°	222.1	336.6	544.8	669.7	843.2	971.5	1065.2	1141.6	1190.1
114.5	70°	135.3	246.4	336.6	464.9	579.5	683.5	756.4	860.5	923.0
59.0	72.5°	100.6	156.1	232.5	357.4	419.8	541.3	614.1	690.5	746.0
48.6	75°	55.5	104.1	187.4	281.1	336.6	440.7	506.6	558.6	576.0
27.8	77.5°	34.7	79.8	156.1	218.6	263.7	357.4	340.0	388.6	430.3
20.8	80°	24.3	59.0	121.4	180.4	183.9	229.0	270.6	312.3	340.0
13.9	82.5°	17.3	48.6	90.2	138.8	121.4	177.0	211.7	242.9	177.0
10.4	85°	13.9	34.7	45.1	83.3	69.4	124.9	107.6	104.1	69.4
6.9	87.5°	10.4	17.3	31.2	38.2	27.8	27.8	34.7	41.6	34.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
10187.2  
9933.9  
10003.3  
10062.3  
10149.1  
10326.0  
10624.4  
11016.5  
11446.8  
11807.6  
*11998.4*  
11779.8  
11561.3  
11356.5  
11141.4  
10891.6  
10620.9  
10329.5  
10010.3  
9597.4  
9049.1  
8559.9  
8074.1  
6832.0  
5482.2  
3875.7  
1998.6  
1190.1  
926.4  
756.4  
565.6  
437.2  
343.5  
128.4  
69.4  
34.7  
0.0

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