

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: P637861

Luminaire Tested: **IFLD-L-SA7C-730-U-66-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P637861  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7C-730-U-66-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor  
Light Source: (112) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34038.5 lumens  
Efficiency: N/A  
Efficacy: 92.2 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G2

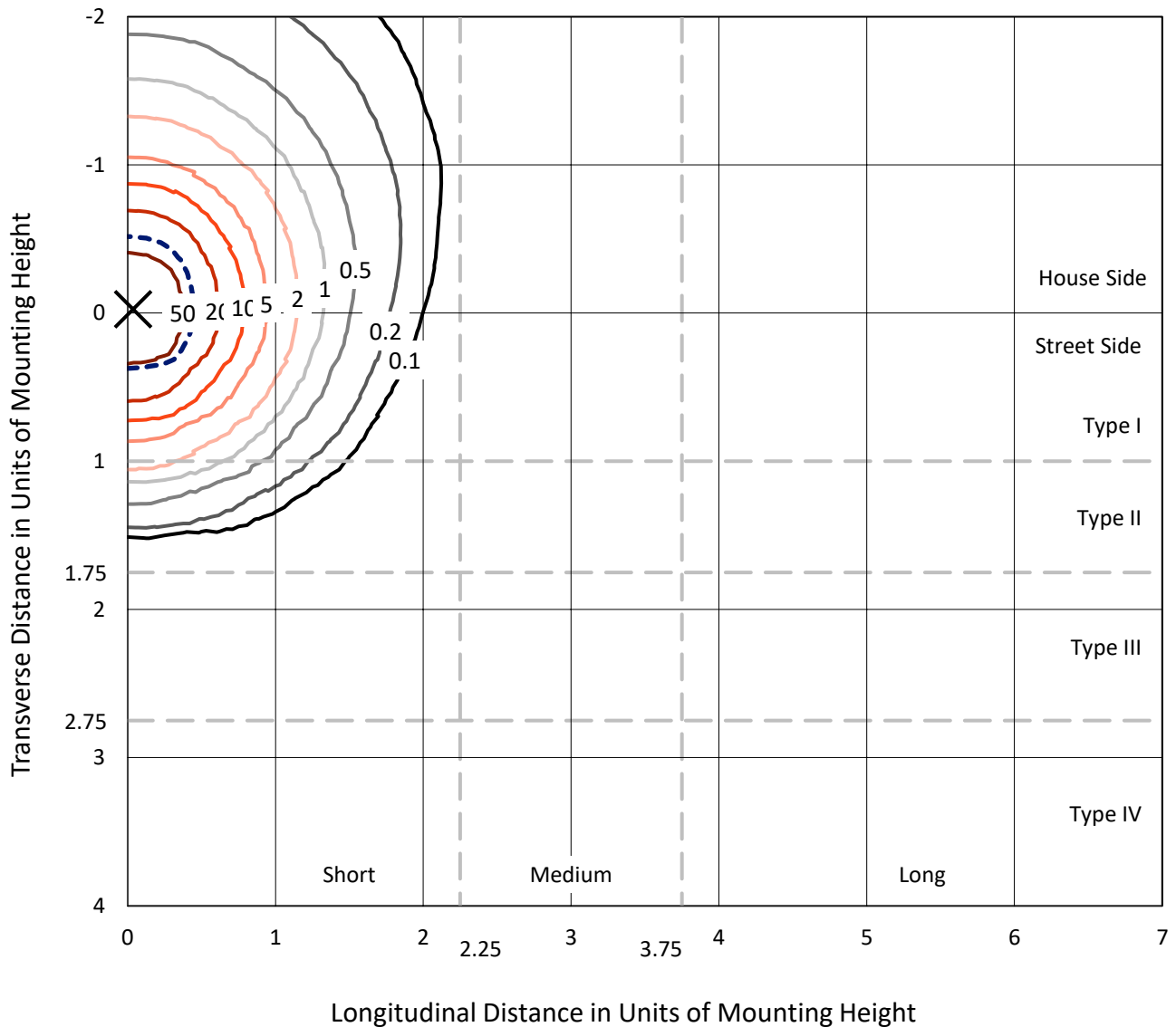
Input Watts (W): 369  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

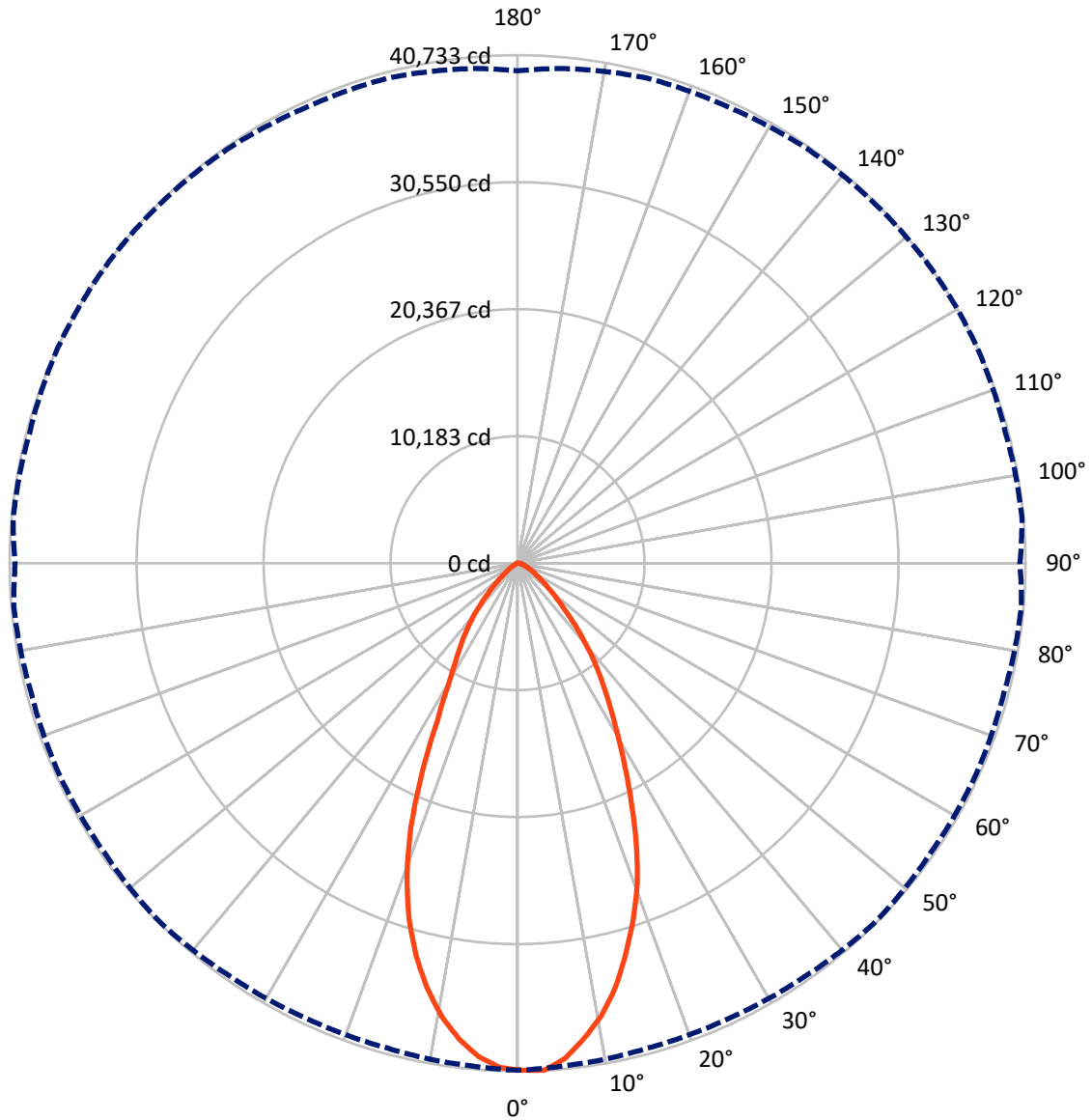
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 101.7 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
<b>House Side</b>	Lumens	19314.8	0.0	19314.8
	% Fixture	56.7	0.0	56.7
<b>Street Side</b>	Lumens	14723.7	0.0	14723.7
	% Fixture	43.3	0.0	43.3
<b>Total</b>	Lumens	34038.5	0.0	34038.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3692.8	10.8
10°-20°	8802.8	25.9
20°-30°	8965.5	26.3
30°-40°	6685.5	19.6
40°-50°	3492.7	10.3
50°-60°	1469.0	4.3
60°-70°	600.0	1.8
70°-80°	252.5	0.7
80°-90°	77.8	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°	34038.5	100.0
0°-180°	34038.5	100.0

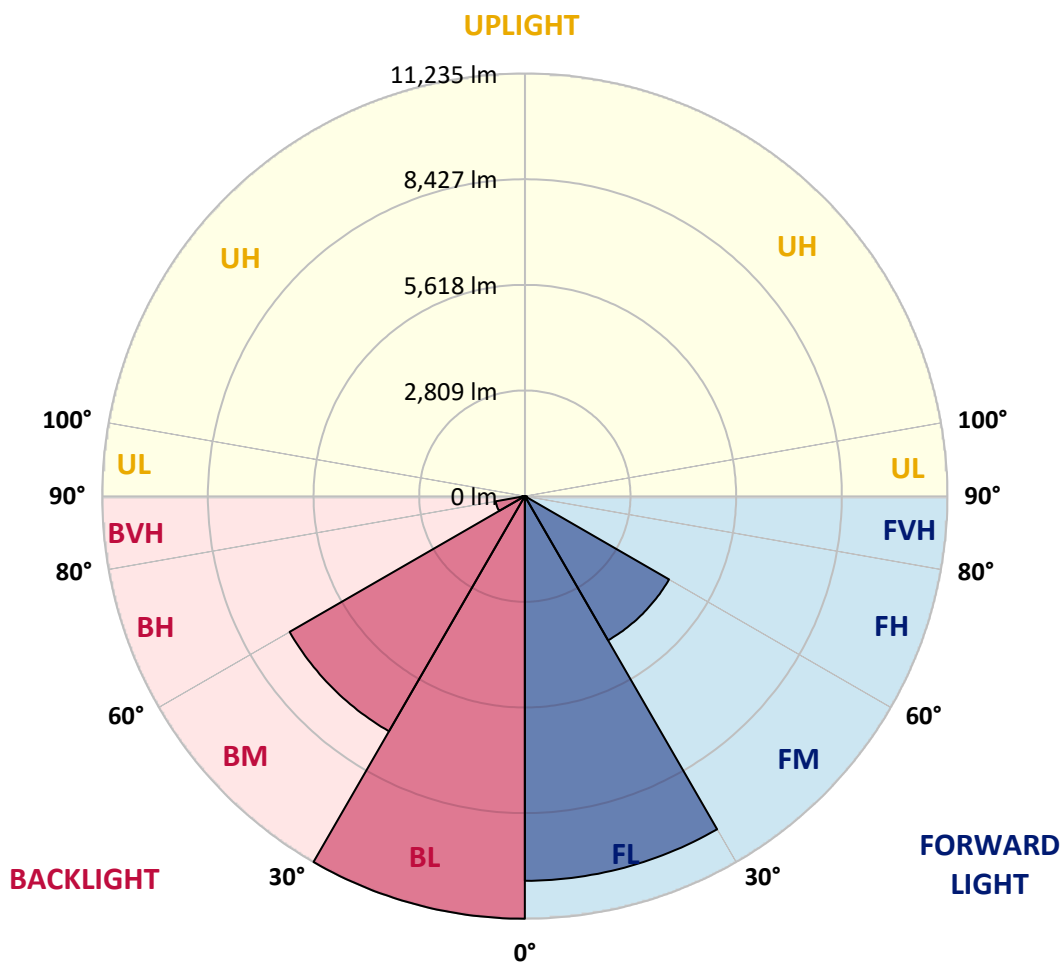


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10225.6	30.0			
FM (30°-60°)	4426.8	13.0			
FH (60°-80°)	64.1	0.2			G0/660
FVH (80°-90°)	7.2	0.0			G0/10
BL (0°-30°)	11235.4	33.0	B5		
BM (30°-60°)	7220.4	21.2	B4/8500		
BH (60°-80°)	788.4	2.3	B2/1000		G2/1000
BVH (80°-90°)	70.6	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-G2**  
 Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	40667.8	40667.8	40667.8	40667.8	40667.8	40667.8	40667.8	40667.8	40667.8	40667.8
2.5°	40672.2	40506.0	40269.9	40248.0	40370.5	40637.2	40466.7	40475.4	40370.5	40549.7
5°	40033.8	39876.4	39714.6	39500.4	39679.6	39793.3	39705.9	39609.7	39474.1	39649.0
7.5°	38827.0	38739.6	38499.1	38402.9	38512.2	38639.0	38451.0	38424.7	38236.7	38464.1
10°	36981.8	36946.9	36710.8	36653.9	36750.1	36942.5	36859.4	36841.9	36723.9	36702.0
12.5°	35066.7	34931.2	34638.2	34620.7	34765.0	35053.6	34830.6	34616.4	34682.0	34738.8
15°	30134.7	29990.4	30716.2	31857.4	32456.4	32434.5	32500.1	32242.2	32163.5	32189.7
17.5°	23956.4	23711.6	23973.9	25740.4	28586.8	30239.6	29784.9	29229.6	28932.2	28735.5
20°	20677.1	20690.2	20642.2	21096.9	22872.1	26641.1	26531.8	25460.5	25071.4	24909.6
22.5°	18683.3	18609.0	18504.0	18648.3	19124.9	21337.4	22819.6	21835.8	21700.3	21521.0
25°	16728.8	16728.8	16602.0	16746.3	16881.9	16912.5	18399.1	18801.4	18539.0	18539.0
27.5°	15036.7	14949.3	14892.4	14958.0	14778.7	13917.4	14105.4	16164.8	15985.5	15876.2
30°	13357.7	13331.5	13235.3	13322.7	12658.1	11687.5	11293.9	13641.9	13829.9	13790.6
32.5°	11027.2	11132.2	11560.7	11696.2	10559.4	9776.7	9400.7	11324.5	12076.6	12046.0
35°	7494.3	7581.8	8071.5	9689.3	8753.6	8193.9	8084.6	9007.2	10244.6	10362.6
37.5°	5968.3	5955.2	6095.1	6383.7	7035.2	6899.7	6869.1	7109.5	8355.7	8408.1
40°	4919.0	4901.5	4897.1	4661.0	4499.2	5736.6	5653.5	5509.2	6589.2	6694.2
42.5°	3965.8	3983.3	3996.4	3480.4	3244.3	4424.9	4376.8	4228.1	5168.2	5290.6
45°	3113.2	3108.8	3135.0	2592.8	2527.3	2828.9	3270.6	3152.5	3900.2	4031.4
47.5°	1613.4	1670.3	2024.4	2006.9	2037.5	2006.9	2474.8	2444.2	2933.9	3143.8
50°	1084.4	1101.8	1132.5	1136.8	1604.7	1477.9	1679.0	1902.0	2055.0	2378.6
52.5°	839.5	852.6	773.9	725.8	983.8	1093.1	1101.8	1316.1	1434.2	1762.1
55°	467.8	524.7	564.0	568.4	542.2	808.9	804.5	975.0	1066.9	1285.5
57.5°	61.2	74.3	113.7	367.3	362.9	450.4	564.0	708.3	760.8	940.1
60°	4.4	8.7	13.1	56.8	240.5	262.3	384.8	441.6	529.1	660.2
62.5°	0.0	0.0	4.4	13.1	48.1	153.0	201.1	231.7	310.4	432.9
65°	0.0	0.0	4.4	8.7	17.5	56.8	78.7	126.8	183.6	266.7
67.5°	0.0	0.0	4.4	8.7	13.1	21.9	35.0	56.8	96.2	161.8
70°	0.0	0.0	4.4	8.7	13.1	17.5	26.2	35.0	52.5	87.4
72.5°	0.0	0.0	4.4	4.4	8.7	21.9	21.9	26.2	35.0	48.1
75°	0.0	0.0	4.4	8.7	13.1	21.9	21.9	21.9	26.2	30.6
77.5°	0.0	0.0	4.4	8.7	13.1	21.9	17.5	21.9	21.9	21.9
80°	0.0	0.0	4.4	8.7	13.1	21.9	26.2	21.9	17.5	17.5
82.5°	0.0	0.0	4.4	13.1	13.1	30.6	30.6	30.6	13.1	13.1
85°	0.0	0.0	8.7	13.1	21.9	35.0	35.0	26.2	13.1	8.7
87.5°	0.0	0.0	4.4	8.7	8.7	17.5	26.2	21.9	8.7	4.4
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°
40667.8	0°	40667.8	40667.8	40667.8	40667.8	40667.8	40667.8	40667.8	40667.8	40667.8
40287.4	2.5°	40611.0	40501.6	40707.1	40733.4	40645.9	40536.6	40283.0	40261.2	39819.5
39395.4	5°	39841.4	39662.1	39793.3	39880.8	39850.2	39732.1	39627.2	39531.0	39133.1
37948.2	7.5°	38407.3	38341.7	38402.9	38468.5	38595.3	38468.5	38424.7	38324.2	37930.7
36522.7	10°	36815.7	36693.3	36925.0	36894.4	36859.4	36824.4	36640.8	36658.3	36194.8
34581.4	12.5°	34861.2	34655.7	34878.7	34905.0	34878.7	34756.3	34550.8	34638.2	34214.1
31957.9	15°	32233.4	32211.5	32373.3	32478.3	32552.6	32421.4	32351.5	32395.2	32141.6
28582.4	17.5°	29006.6	29290.8	29819.8	29999.1	30003.5	30139.0	30099.7	30047.2	29859.2
24844.0	20°	25211.3	25757.9	26571.1	27406.3	27646.8	27533.1	27480.6	27576.8	27297.0
21333.0	22.5°	21709.0	22176.9	23121.3	24341.2	25045.2	25115.1	25102.0	25018.9	24909.6
18521.5	25°	18735.8	19151.2	20056.2	21171.2	22522.3	22723.4	22732.2	22705.9	22609.7
15972.4	27.5°	16226.0	16728.8	17227.3	18224.2	19662.7	20493.5	20388.6	20357.9	20323.0
13821.2	30°	13952.4	14586.4	15054.2	15675.1	16965.0	18088.7	18198.0	18145.5	18062.4
12041.6	32.5°	12150.9	12527.0	13121.6	13541.4	14468.3	15740.7	16160.4	16121.1	16046.7
10436.9	35°	10585.6	10734.3	11202.1	11670.0	12286.5	13519.5	14140.4	14052.9	14039.8
8504.3	37.5°	8718.6	9217.0	9475.0	9947.2	10380.1	11337.7	12194.7	12155.3	12159.7
6838.5	40°	7039.6	7328.2	7839.7	8237.6	8635.5	9335.1	10288.3	10314.5	10305.8
5295.0	42.5°	5404.3	5684.1	6221.9	6654.8	7009.0	7441.8	8351.3	8381.9	8421.3
4123.2	45°	4219.4	4398.6	4792.2	5242.5	5618.5	5880.9	6571.7	6768.5	6772.9
3196.2	47.5°	3274.9	3480.4	3760.3	4193.1	4560.4	4748.4	5251.3	5518.0	5504.9
2452.9	50°	2571.0	2759.0	2986.4	3327.4	3725.3	3874.0	4245.6	4508.0	4494.8
1849.5	52.5°	1967.6	2208.1	2409.2	2671.5	3060.7	3187.5	3454.2	3755.9	3712.2
1355.4	55°	1491.0	1735.8	1923.9	2142.5	2496.6	2658.4	2842.1	3082.5	3091.3
1049.4	57.5°	1123.7	1377.3	1547.8	1770.8	2037.5	2216.8	2356.7	2614.7	2610.3
717.1	60°	804.5	1023.1	1228.6	1460.4	1665.9	1871.4	1967.6	2212.4	2221.2
507.2	62.5°	581.5	787.0	983.8	1184.9	1368.6	1569.7	1657.1	1849.5	1875.8
332.3	65°	406.6	550.9	778.3	931.3	1136.8	1285.5	1399.2	1565.3	1595.9
196.8	67.5°	262.3	397.9	616.5	752.1	940.1	1066.9	1184.9	1316.1	1355.4
126.8	70°	157.4	301.7	459.1	603.4	773.9	887.6	1001.3	1115.0	1136.8
61.2	72.5°	100.6	209.9	332.3	489.7	620.9	743.3	843.9	927.0	861.4
39.4	75°	56.8	144.3	262.3	384.8	502.8	620.9	704.0	747.7	599.0
26.2	77.5°	35.0	104.9	214.2	310.4	389.1	498.5	550.9	577.2	428.5
17.5	80°	21.9	78.7	179.3	253.6	253.6	367.3	428.5	450.4	310.4
13.1	82.5°	17.5	56.8	139.9	192.4	170.5	275.5	336.7	341.0	218.6
8.7	85°	13.1	43.7	87.4	126.8	118.1	192.4	196.8	218.6	144.3
8.7	87.5°	8.7	26.2	52.5	74.3	65.6	91.8	104.9	118.1	78.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
40667.8  
*39474.1*  
38813.9  
37847.6  
36037.4  
34091.7  
31835.5  
29579.4  
27095.8  
24699.7  
22286.2  
20117.5  
17957.5  
15850.0  
13895.5  
12019.8  
10152.7  
8290.1  
6659.2  
5456.8  
4494.8  
3716.5  
3091.3  
2601.6  
2199.3  
1867.0  
1587.2  
1351.1  
1119.3  
800.2  
568.4  
402.3  
288.6  
201.1  
131.2  
70.0  
0.0

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