

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: P637894

Luminaire Tested: **IFLD-L-SA8B-735-U-66-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P637894  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8B-735-U-66-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor  
Light Source: (128) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33847.5 lumens  
Efficiency: N/A  
Efficacy: 105.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G2

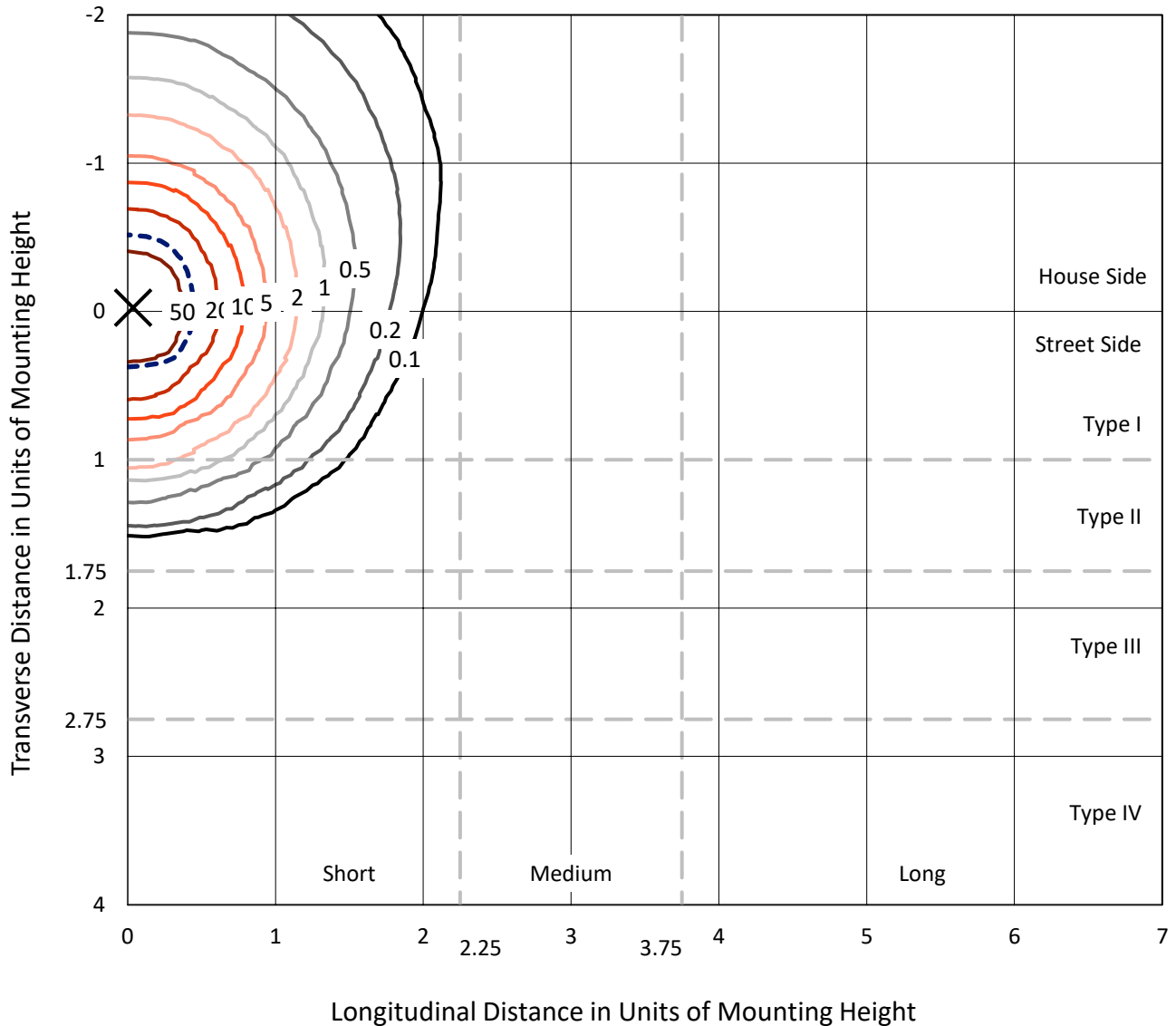
Input Watts (W): 320  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

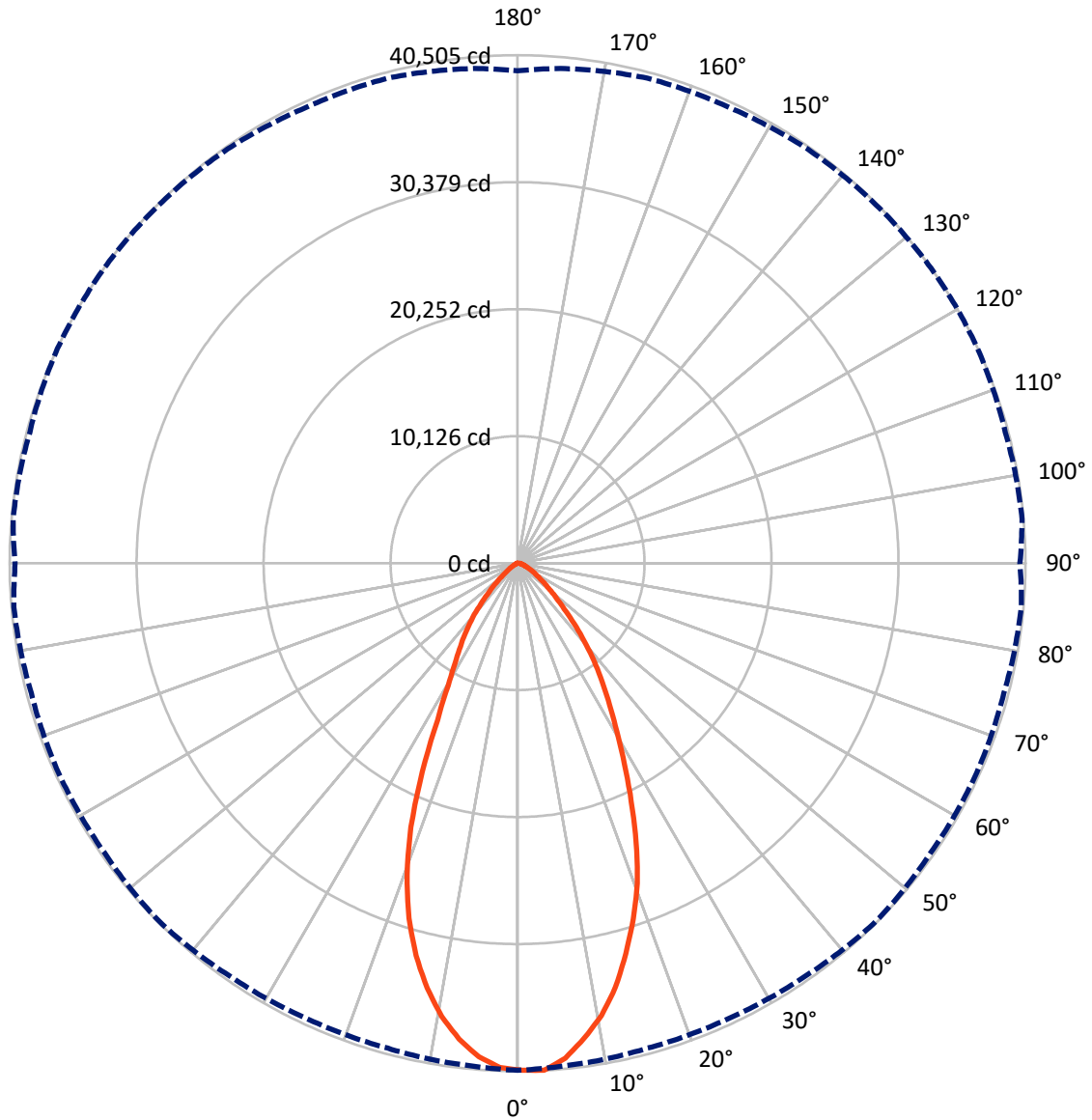
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 101.1 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	19206.4	0.0	19206.4
	% Fixture	56.7	0.0	56.7
<b>Street Side</b>	Lumens	14641.1	0.0	14641.1
	% Fixture	43.3	0.0	43.3
<b>Total</b>	Lumens	33847.5	0.0	33847.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3672.1	10.8
10°-20°	8753.4	25.9
20°-30°	8915.1	26.3
30°-40°	6648.0	19.6
40°-50°	3473.1	10.3
50°-60°	1460.8	4.3
60°-70°	596.6	1.8
70°-80°	251.1	0.7
80°-90°	77.4	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°	33847.5	100.0
0°-180°	33847.5	100.0



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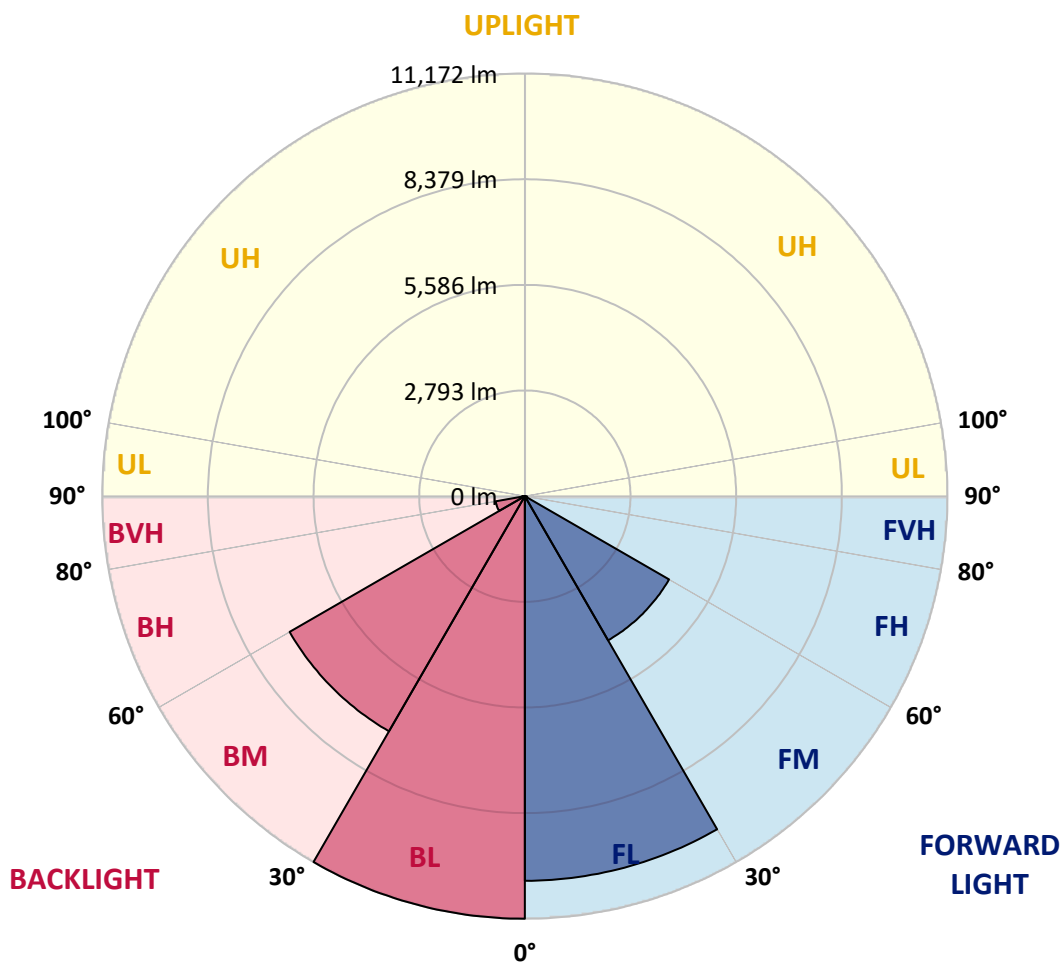
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10168.2	30.0			
FM (30°-60°)	4402.0	13.0			
FH (60°-80°)	63.7	0.2			G0/660
FVH (80°-90°)	7.2	0.0			G0/10
BL (0°-30°)	11172.4	33.0	B5		
BM (30°-60°)	7179.9	21.2	B4/8500		
BH (60°-80°)	784.0	2.3	B2/1000		G2/1000
BVH (80°-90°)	70.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G2**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	40439.5	40439.5	40439.5	40439.5	40439.5	40439.5	40439.5	40439.5	40439.5	40439.5
2.5°	40443.9	40278.7	40043.9	40022.1	40143.9	40409.1	40239.5	40248.2	40143.9	40322.1
5°	39809.1	39652.6	39491.7	39278.7	39456.9	39570.0	39483.0	39387.4	39252.6	39426.5
7.5°	38609.1	38522.1	38283.0	38187.3	38296.0	38422.1	38235.2	38209.1	38022.1	38248.2
10°	36774.3	36739.5	36504.7	36448.2	36543.8	36735.2	36652.5	36635.2	36517.8	36496.0
12.5°	34869.9	34735.1	34443.8	34426.4	34569.9	34856.9	34635.1	34422.1	34487.3	34543.8
15°	29965.5	29822.0	30543.8	31678.6	32274.2	32252.5	32317.7	32061.2	31982.9	32009.0
17.5°	23822.0	23578.5	23839.4	25595.9	28426.4	30069.9	29617.7	29065.5	28769.9	28574.2
20°	20561.1	20574.1	20526.3	20978.5	22743.7	26491.6	26382.9	25317.6	24930.7	24769.8
22.5°	18578.4	18504.5	18400.2	18543.7	19017.6	21217.6	22691.5	21713.3	21578.5	21400.2
25°	16635.0	16635.0	16508.9	16652.3	16787.1	16817.6	18295.8	18695.8	18435.0	18435.0
27.5°	14952.3	14865.4	14808.8	14874.1	14695.8	13839.3	14026.2	16074.1	15895.8	15787.1
30°	13282.7	13256.7	13161.0	13248.0	12587.1	11621.9	11230.5	13565.4	13752.3	13713.2
32.5°	10965.3	11069.7	11495.8	11630.6	10500.1	9721.8	9347.9	11261.0	12008.8	11978.4
35°	7452.2	7539.2	8026.2	9634.9	8704.4	8147.9	8039.2	8956.6	10187.1	10304.5
37.5°	5934.8	5921.8	6060.9	6347.9	6995.7	6860.9	6830.5	7069.6	8308.8	8361.0
40°	4891.4	4874.0	4869.6	4634.8	4474.0	5704.4	5621.8	5478.3	6552.2	6656.6
42.5°	3943.5	3960.9	3974.0	3460.9	3226.1	4400.0	4352.2	4204.4	5139.2	5260.9
45°	3095.7	3091.3	3117.4	2578.3	2513.1	2813.1	3252.2	3134.8	3878.3	4008.7
47.5°	1604.4	1660.9	2013.1	1995.7	2026.1	1995.7	2460.9	2430.5	2917.4	3126.1
50°	1078.3	1095.7	1126.1	1130.4	1595.7	1469.6	1669.6	1891.3	2043.5	2365.2
52.5°	834.8	847.8	769.6	721.7	978.3	1087.0	1095.7	1308.7	1426.1	1752.2
55°	465.2	521.7	560.9	565.2	539.1	804.4	800.0	969.6	1060.9	1278.3
57.5°	60.9	73.9	113.0	365.2	360.9	447.8	560.9	704.4	756.5	934.8
60°	4.3	8.7	13.0	56.5	239.1	260.9	382.6	439.1	526.1	656.5
62.5°	0.0	0.0	4.3	13.0	47.8	152.2	200.0	230.4	308.7	430.4
65°	0.0	0.0	4.3	8.7	17.4	56.5	78.3	126.1	182.6	265.2
67.5°	0.0	0.0	4.3	8.7	13.0	21.7	34.8	56.5	95.7	160.9
70°	0.0	0.0	4.3	8.7	13.0	17.4	26.1	34.8	52.2	87.0
72.5°	0.0	0.0	4.3	4.3	8.7	21.7	21.7	26.1	34.8	47.8
75°	0.0	0.0	4.3	8.7	13.0	21.7	21.7	21.7	26.1	30.4
77.5°	0.0	0.0	4.3	8.7	13.0	21.7	17.4	21.7	21.7	21.7
80°	0.0	0.0	4.3	8.7	13.0	21.7	26.1	21.7	17.4	17.4
82.5°	0.0	0.0	4.3	13.0	13.0	30.4	30.4	30.4	13.0	13.0
85°	0.0	0.0	8.7	13.0	21.7	34.8	34.8	26.1	13.0	8.7
87.5°	0.0	0.0	4.3	8.7	8.7	17.4	26.1	21.7	8.7	4.3
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°
40439.5	0°	40439.5	40439.5	40439.5	40439.5	40439.5	40439.5	40439.5	40439.5	40439.5
40061.3	2.5°	40383.0	40274.3	40478.7	40504.8	40417.8	40309.1	40056.9	40035.2	39596.1
39174.3	5°	39617.8	39439.5	39570.0	39656.9	39626.5	39509.1	39404.7	39309.1	38913.4
37735.2	7.5°	38191.7	38126.5	38187.3	38252.6	38378.7	38252.6	38209.1	38109.1	37717.8
36317.8	10°	36609.1	36487.3	36717.8	36687.3	36652.5	36617.8	36435.2	36452.5	35991.7
34387.3	12.5°	34665.6	34461.2	34683.0	34709.0	34683.0	34561.2	34356.9	34443.8	34022.1
31778.6	15°	32052.5	32030.8	32191.6	32296.0	32369.9	32239.5	32169.9	32213.4	31961.2
28422.0	17.5°	28843.8	29126.4	29652.5	29830.7	29835.1	29969.9	29930.7	29878.6	29691.6
24704.6	20°	25069.8	25613.3	26422.0	27252.5	27491.6	27378.5	27326.4	27422.0	27143.8
21213.3	22.5°	21587.2	22052.4	22991.5	24204.6	24904.6	24974.2	24961.1	24878.5	24769.8
18417.6	25°	18630.6	19043.7	19943.7	21052.4	22395.9	22595.9	22604.6	22578.5	22482.8
15882.8	27.5°	16134.9	16635.0	17130.6	18121.9	19552.4	20378.5	20274.1	20243.7	20208.9
13743.6	30°	13874.1	14504.5	14969.7	15587.1	16869.7	17987.1	18095.8	18043.7	17961.1
11974.0	32.5°	12082.7	12456.6	13048.0	13465.4	14387.1	15652.3	16069.7	16030.6	15956.7
10378.4	35°	10526.2	10674.0	11139.2	11604.5	12217.5	13443.6	14061.0	13974.1	13961.0
8456.6	37.5°	8669.7	9165.3	9421.8	9891.4	10321.8	11274.0	12126.2	12087.1	12091.4
6800.1	40°	7000.1	7287.0	7795.7	8191.4	8587.0	9282.7	10230.5	10256.6	10247.9
5265.3	42.5°	5374.0	5652.2	6187.0	6617.5	6969.6	7400.1	8304.4	8334.9	8374.0
4100.0	45°	4195.7	4374.0	4765.3	5213.1	5587.0	5847.9	6534.8	6730.5	6734.9
3178.3	47.5°	3256.6	3460.9	3739.2	4169.6	4534.8	4721.8	5221.8	5487.0	5474.0
2439.2	50°	2556.5	2743.5	2969.6	3308.7	3704.4	3852.2	4221.8	4482.7	4469.6
1839.1	52.5°	1956.5	2195.7	2395.7	2656.5	3043.5	3169.6	3434.8	3734.8	3691.3
1347.8	55°	1482.6	1726.1	1913.1	2130.5	2482.6	2643.5	2826.1	3065.2	3073.9
1043.5	57.5°	1117.4	1369.6	1539.1	1760.9	2026.1	2204.4	2343.5	2600.0	2595.7
713.1	60°	800.0	1017.4	1221.8	1452.2	1656.5	1860.9	1956.5	2200.0	2208.7
504.4	62.5°	578.3	782.6	978.3	1178.3	1360.9	1560.9	1647.8	1839.1	1865.2
330.4	65°	404.4	547.8	773.9	926.1	1130.4	1278.3	1391.3	1556.5	1587.0
195.7	67.5°	260.9	395.7	613.0	747.8	934.8	1060.9	1178.3	1308.7	1347.8
126.1	70°	156.5	300.0	456.5	600.0	769.6	882.6	995.7	1108.7	1130.4
60.9	72.5°	100.0	208.7	330.4	487.0	617.4	739.1	839.1	921.7	856.5
39.1	75°	56.5	143.5	260.9	382.6	500.0	617.4	700.0	743.5	595.7
26.1	77.5°	34.8	104.3	213.0	308.7	387.0	495.7	547.8	573.9	426.1
17.4	80°	21.7	78.3	178.3	252.2	252.2	365.2	426.1	447.8	308.7
13.0	82.5°	17.4	56.5	139.1	191.3	169.6	273.9	334.8	339.1	217.4
8.7	85°	13.0	43.5	87.0	126.1	117.4	191.3	195.7	217.4	143.5
8.7	87.5°	8.7	26.1	52.2	73.9	65.2	91.3	104.3	117.4	78.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
40439.5  
39252.6  
38596.0  
37635.2  
35835.1  
33900.3  
31656.8  
29413.3  
26943.8  
24561.1  
22161.1  
20004.6  
17856.7  
15761.0  
13817.5  
11952.3  
10095.8  
8243.6  
6621.8  
5426.1  
4469.6  
3695.7  
3073.9  
2587.0  
2187.0  
1856.5  
1578.3  
1343.5  
1113.1  
795.7  
565.2  
400.0  
287.0  
200.0  
130.4  
69.6  
0.0

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