

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: P637947

Luminaire Tested: **IFLD-L-SA7B-750-U-66-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P637947  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7B-750-U-66-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor  
Light Source: (112) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30716.2 lumens  
Efficiency: N/A  
Efficacy: 109.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G2

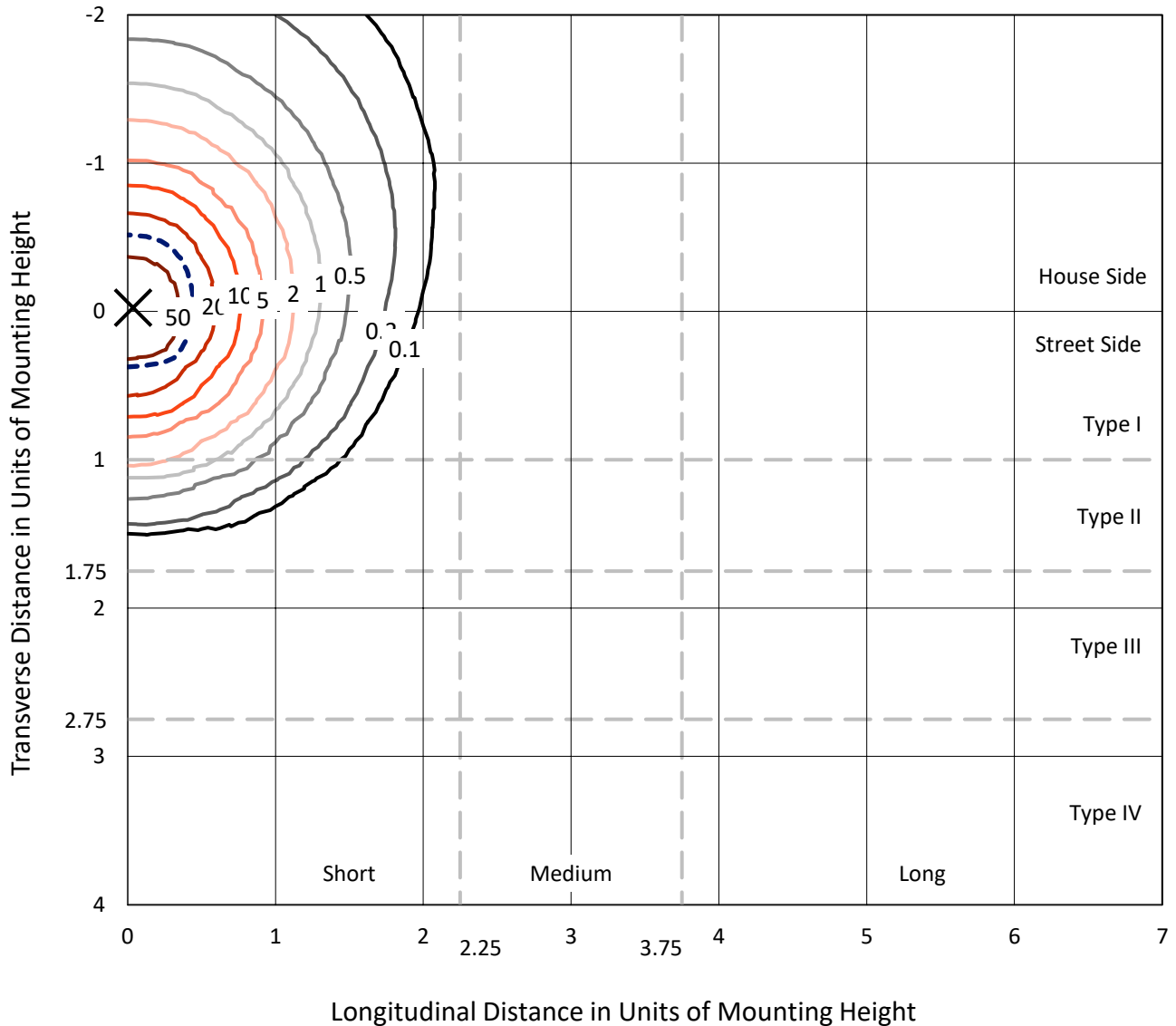
Input Watts (W): 281  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

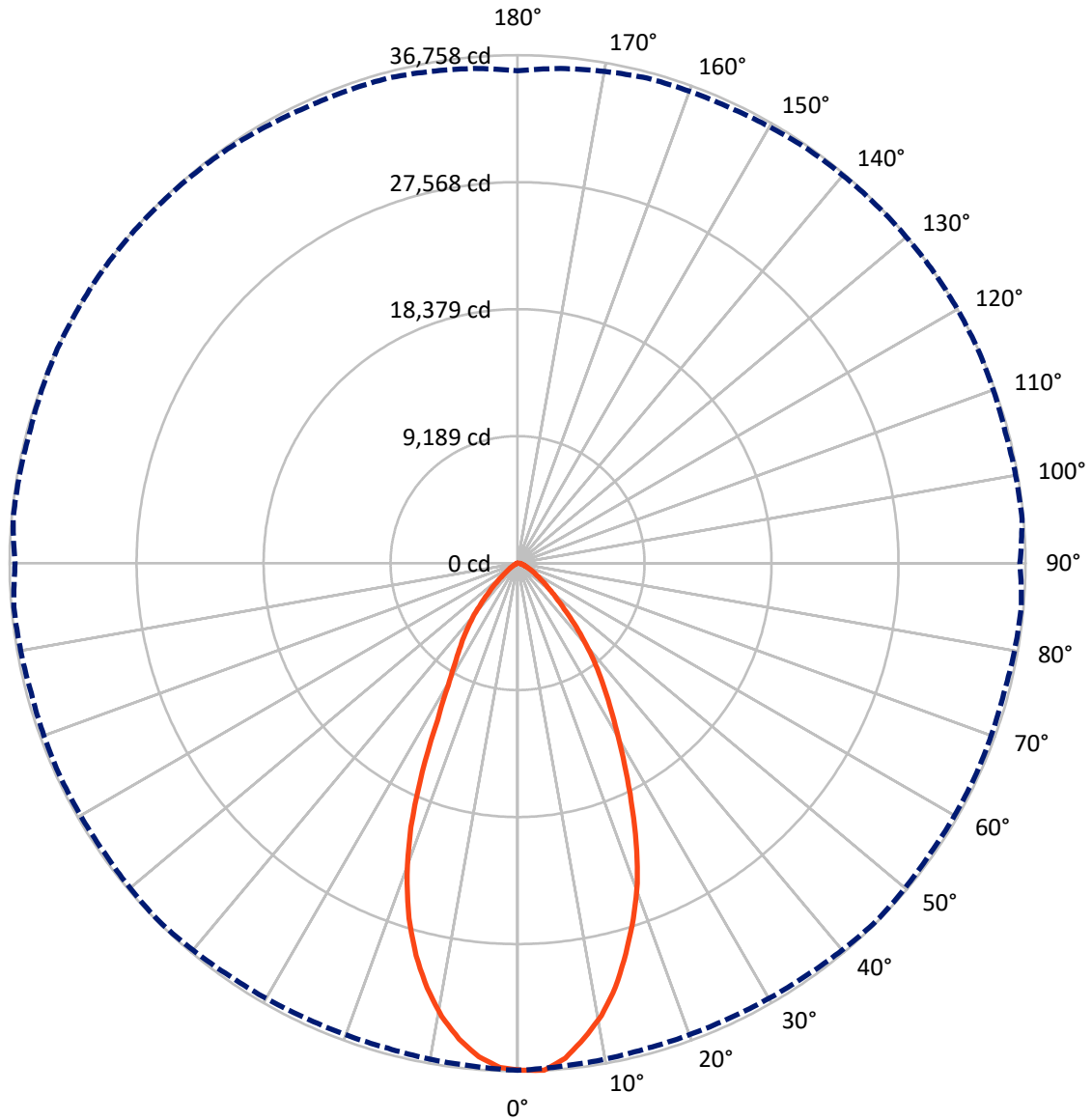
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 91.7 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	17429.6	0.0	17429.6
	% Fixture	56.7	0.0	56.7
<b>Street Side</b>	Lumens	13286.6	0.0	13286.6
	% Fixture	43.3	0.0	43.3
<b>Total</b>	Lumens	30716.2	0.0	30716.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3332.4	10.8
10°-20°	7943.6	25.9
20°-30°	8090.4	26.3
30°-40°	6033.0	19.6
40°-50°	3151.8	10.3
50°-60°	1325.7	4.3
60°-70°	541.4	1.8
70°-80°	227.8	0.7
80°-90°	70.2	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°	30716.2	100.0
0°-180°	30716.2	100.0



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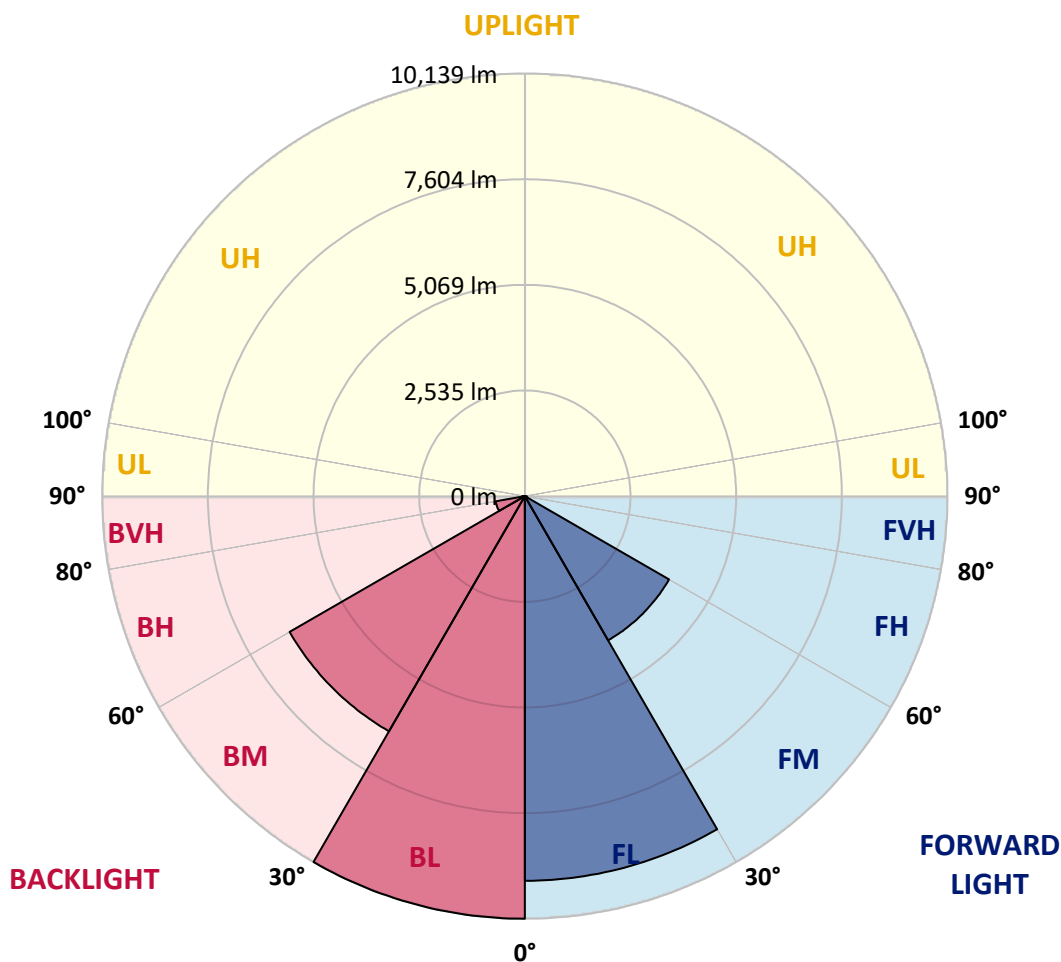
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9227.5	30.0			
FM (30°-60°)	3994.8	13.0			
FH (60°-80°)	57.8	0.2			G0/660
FVH (80°-90°)	6.5	0.0			G0/10
BL (0°-30°)	10138.8	33.0	B5		
BM (30°-60°)	6515.7	21.2	B4/8500		
BH (60°-80°)	711.4	2.3	B2/1000		G2/1000
BVH (80°-90°)	63.7	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°	36698.4	36698.4	36698.4	36698.4	36698.4	36698.4	36698.4	36698.4	36698.4	36698.4
2.5°	36702.4	36552.4	36339.4	36319.6	36430.1	36670.8	36516.9	36524.8	36430.1	36591.9
5°	36126.3	35984.3	35838.3	35644.9	35806.7	35909.3	35830.4	35743.6	35621.3	35779.1
7.5°	35037.3	34958.4	34741.4	34654.6	34753.2	34867.6	34698.0	34674.3	34504.6	34709.8
10°	33372.2	33340.7	33127.6	33076.3	33163.1	33336.7	33261.8	33246.0	33139.4	33119.7
12.5°	31644.1	31521.7	31257.4	31241.6	31371.8	31632.2	31431.0	31237.6	31296.8	31348.1
15°	27193.4	27063.2	27718.1	28747.9	29288.5	29268.8	29328.0	29095.2	29024.1	29047.8
17.5°	21618.2	21397.2	21634.0	23228.0	25796.6	27288.1	26877.7	26376.6	26108.3	25930.8
20°	18658.9	18670.8	18627.4	19037.7	20639.7	24040.8	23942.2	22975.5	22624.3	22478.3
22.5°	16859.7	16792.7	16698.0	16828.2	17258.2	19254.7	20592.3	19704.5	19582.2	19420.5
25°	15096.0	15096.0	14981.6	15111.8	15234.1	15261.7	16603.3	16966.3	16729.5	16729.5
27.5°	13569.1	13490.2	13438.9	13498.0	13336.3	12559.0	12728.6	14587.0	14425.3	14326.6
30°	12053.9	12030.3	11943.5	12022.4	11422.6	10546.7	10191.6	12310.4	12480.1	12444.6
32.5°	9950.9	10045.6	10432.3	10554.6	9528.7	8822.5	8483.1	10219.2	10897.9	10870.2
35°	6762.8	6841.7	7283.7	8743.5	7899.2	7394.1	7295.5	8128.0	9244.6	9351.2
37.5°	5385.8	5374.0	5500.2	5760.6	6348.5	6226.2	6198.6	6415.6	7540.1	7587.5
40°	4438.8	4423.1	4419.1	4206.1	4060.1	5176.7	5101.7	4971.5	5946.1	6040.8
42.5°	3578.7	3594.5	3606.3	3140.7	2927.7	3993.0	3949.6	3815.4	4663.7	4774.2
45°	2809.3	2805.4	2829.0	2339.8	2280.6	2552.8	2951.3	2844.8	3519.5	3637.9
47.5°	1455.9	1507.2	1826.8	1811.0	1838.7	1811.0	2233.2	2205.6	2647.5	2836.9
50°	978.5	994.3	1021.9	1025.9	1448.1	1333.6	1515.1	1716.4	1854.5	2146.4
52.5°	757.6	769.4	698.4	655.0	887.8	986.4	994.3	1187.6	1294.2	1590.1
55°	422.2	473.5	509.0	512.9	489.3	729.9	726.0	879.9	962.7	1160.0
57.5°	55.2	67.1	102.6	331.4	327.5	406.4	509.0	639.2	686.5	848.3
60°	3.9	7.9	11.8	51.3	217.0	236.7	347.2	398.5	477.4	595.8
62.5°	0.0	0.0	3.9	11.8	43.4	138.1	181.5	209.1	280.1	390.6
65°	0.0	0.0	3.9	7.9	15.8	51.3	71.0	114.4	165.7	240.7
67.5°	0.0	0.0	3.9	7.9	11.8	19.7	31.6	51.3	86.8	146.0
70°	0.0	0.0	3.9	7.9	11.8	15.8	23.7	31.6	47.3	78.9
72.5°	0.0	0.0	3.9	3.9	7.9	19.7	19.7	23.7	31.6	43.4
75°	0.0	0.0	3.9	7.9	11.8	19.7	19.7	19.7	23.7	27.6
77.5°	0.0	0.0	3.9	7.9	11.8	19.7	15.8	19.7	19.7	19.7
80°	0.0	0.0	3.9	7.9	11.8	19.7	23.7	19.7	15.8	15.8
82.5°	0.0	0.0	3.9	11.8	11.8	27.6	27.6	27.6	11.8	11.8
85°	0.0	0.0	7.9	11.8	19.7	31.6	31.6	23.7	11.8	7.9
87.5°	0.0	0.0	3.9	7.9	7.9	15.8	23.7	19.7	7.9	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°
36698.4	0°	36698.4	36698.4	36698.4	36698.4	36698.4	36698.4	36698.4	36698.4	36698.4
36355.1	2.5°	36647.1	36548.5	36733.9	36757.6	36678.7	36580.0	36351.2	36331.5	35933.0
35550.2	5°	35952.7	35790.9	35909.3	35988.2	35960.6	35854.1	35759.4	35672.6	35313.5
34244.2	7.5°	34658.5	34599.3	34654.6	34713.8	34828.2	34713.8	34674.3	34583.6	34228.4
32957.9	10°	33222.3	33111.8	33320.9	33293.3	33261.8	33230.2	33064.5	33080.3	32662.0
31206.1	12.5°	31458.6	31273.2	31474.4	31498.1	31474.4	31363.9	31178.5	31257.4	30874.7
28838.7	15°	29087.3	29067.5	29213.5	29308.2	29375.3	29256.9	29193.8	29233.3	29004.4
25792.7	17.5°	26175.4	26431.9	26909.3	27071.1	27075.0	27197.3	27161.8	27114.5	26944.8
22419.1	20°	22750.6	23243.8	23977.7	24731.3	24948.3	24845.7	24798.4	24885.2	24632.6
19250.8	22.5°	19590.1	20012.3	20864.6	21965.4	22600.6	22663.8	22651.9	22577.0	22478.3
16713.7	25°	16907.1	17281.9	18098.7	19104.8	20324.0	20505.5	20513.4	20489.7	20402.9
14413.4	27.5°	14642.3	15096.0	15545.8	16445.4	17743.6	18493.2	18398.5	18370.9	18339.3
12472.2	30°	12590.5	13162.7	13584.8	14145.1	15309.1	16323.1	16421.8	16374.4	16299.4
10866.3	32.5°	10964.9	11304.3	11840.9	12219.7	13056.1	14204.3	14583.1	14547.6	14480.5
9418.2	35°	9552.4	9686.6	10108.7	10530.9	11087.3	12199.9	12760.2	12681.3	12669.5
7674.3	37.5°	7867.6	8317.4	8550.2	8976.3	9367.0	10231.1	11004.4	10968.9	10972.8
6171.0	40°	6352.5	6612.9	7074.5	7433.6	7792.6	8423.9	9284.1	9307.8	9299.9
4778.2	42.5°	4876.8	5129.3	5614.6	6005.3	6324.9	6715.5	7536.2	7563.8	7599.3
3720.7	45°	3807.5	3969.3	4324.4	4730.8	5070.2	5306.9	5930.3	6107.9	6111.8
2884.3	47.5°	2955.3	3140.7	3393.3	3783.9	4115.3	4285.0	4738.7	4979.4	4967.6
2213.5	50°	2320.0	2489.7	2694.9	3002.6	3361.7	3495.8	3831.2	4068.0	4056.1
1669.0	52.5°	1775.5	1992.5	2174.0	2410.8	2761.9	2876.4	3117.1	3389.3	3349.9
1223.1	55°	1345.5	1566.4	1736.1	1933.4	2253.0	2399.0	2564.7	2781.7	2789.6
947.0	57.5°	1014.0	1242.9	1396.8	1598.0	1838.7	2000.4	2126.7	2359.5	2355.5
647.1	60°	726.0	923.3	1108.7	1317.8	1503.3	1688.7	1775.5	1996.5	2004.4
457.7	62.5°	524.8	710.2	887.8	1069.3	1235.0	1416.5	1495.4	1669.0	1692.7
299.9	65°	366.9	497.2	702.3	840.4	1025.9	1160.0	1262.6	1412.5	1440.2
177.6	67.5°	236.7	359.1	556.3	678.7	848.3	962.7	1069.3	1187.6	1223.1
114.4	70°	142.0	272.2	414.3	544.5	698.4	801.0	903.6	1006.1	1025.9
55.2	72.5°	90.7	189.4	299.9	441.9	560.3	670.8	761.5	836.5	777.3
35.5	75°	51.3	130.2	236.7	347.2	453.7	560.3	635.2	674.7	540.6
23.7	77.5°	31.6	94.7	193.3	280.1	351.2	449.8	497.2	520.8	386.7
15.8	80°	19.7	71.0	161.8	228.8	228.8	331.4	386.7	406.4	280.1
11.8	82.5°	15.8	51.3	126.3	173.6	153.9	248.6	303.8	307.8	197.3
7.9	85°	11.8	39.5	78.9	114.4	106.5	173.6	177.6	197.3	130.2
7.9	87.5°	7.9	23.7	47.3	67.1	59.2	82.9	94.7	106.5	71.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°
36698.4
35621.3
35025.5
34153.5
32520.0
30764.2
28728.2
26692.3
24451.1
22288.9
20110.9
18153.9
16204.8
14303.0
12539.3
10846.6
9161.8
7480.9
6009.2
4924.2
4056.1
3353.8
2789.6
2347.7
1984.7
1684.8
1432.3
1219.2
1010.1
722.1
512.9
363.0
260.4
181.5
118.4
63.1
0.0

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