

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: P637135

Luminaire Tested: **IFLD-L-SA7B-740-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P637135  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7B-740-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (112) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 35415.6 lumens  
Efficiency: N/A  
Efficacy: 126.0 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

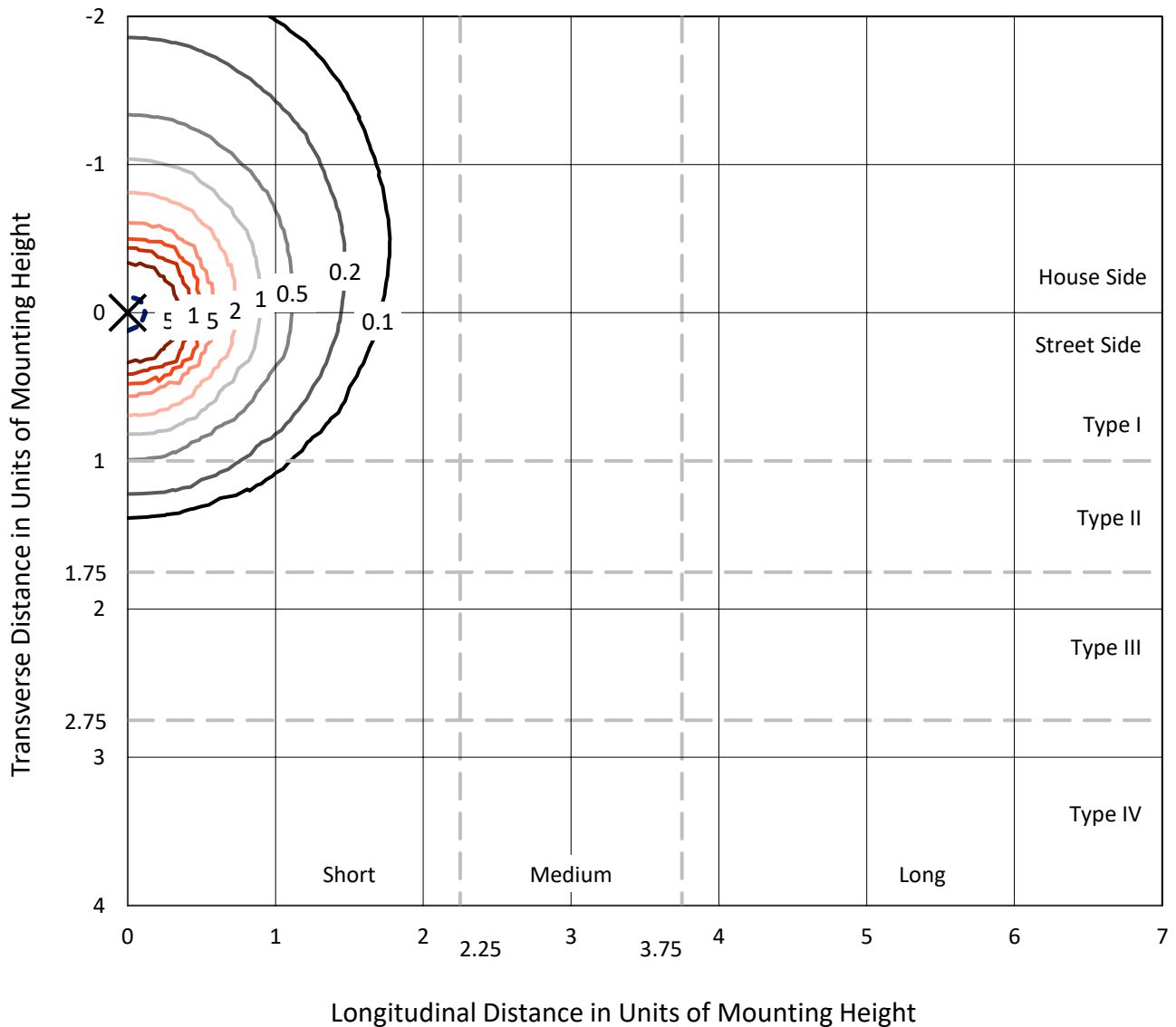
Input Watts (W): 281  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

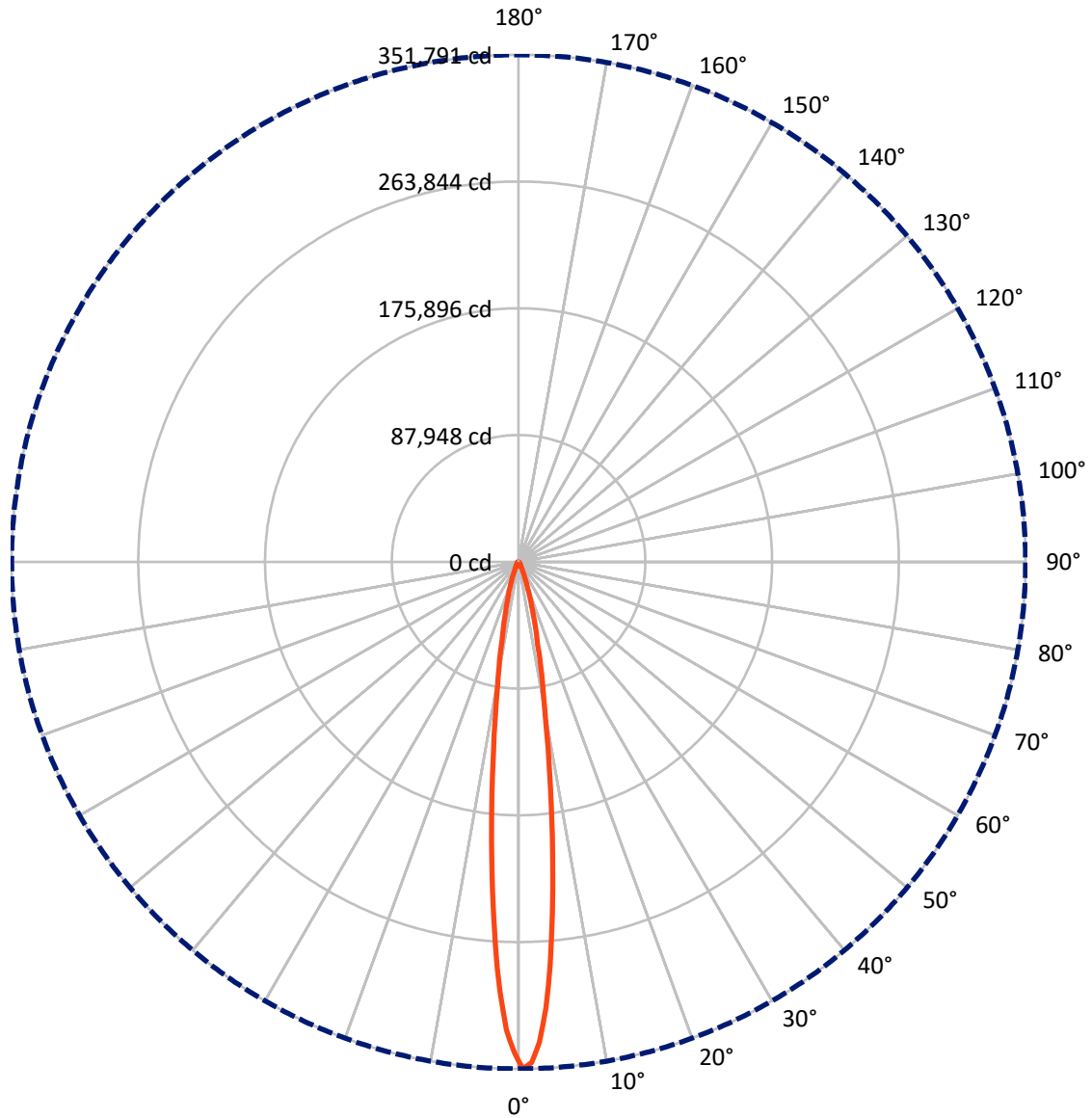
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 879.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 0-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	18139.2	0.0	18139.2
	% Fixture	51.2	0.0	51.2
<b>Street Side</b>	Lumens	17276.4	0.0	17276.4
	% Fixture	48.8	0.0	48.8
<b>Total</b>	Lumens	35415.6	0.0	35415.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17878.8	50.5
10°-20°	11446.0	32.3
20°-30°	3440.4	9.7
30°-40°	1120.2	3.2
40°-50°	651.8	1.8
50°-60°	432.9	1.2
60°-70°	260.6	0.7
70°-80°	134.0	0.4
80°-90°	50.9	0.1
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°	35415.6	100.0
0°-180°	35415.6	100.0

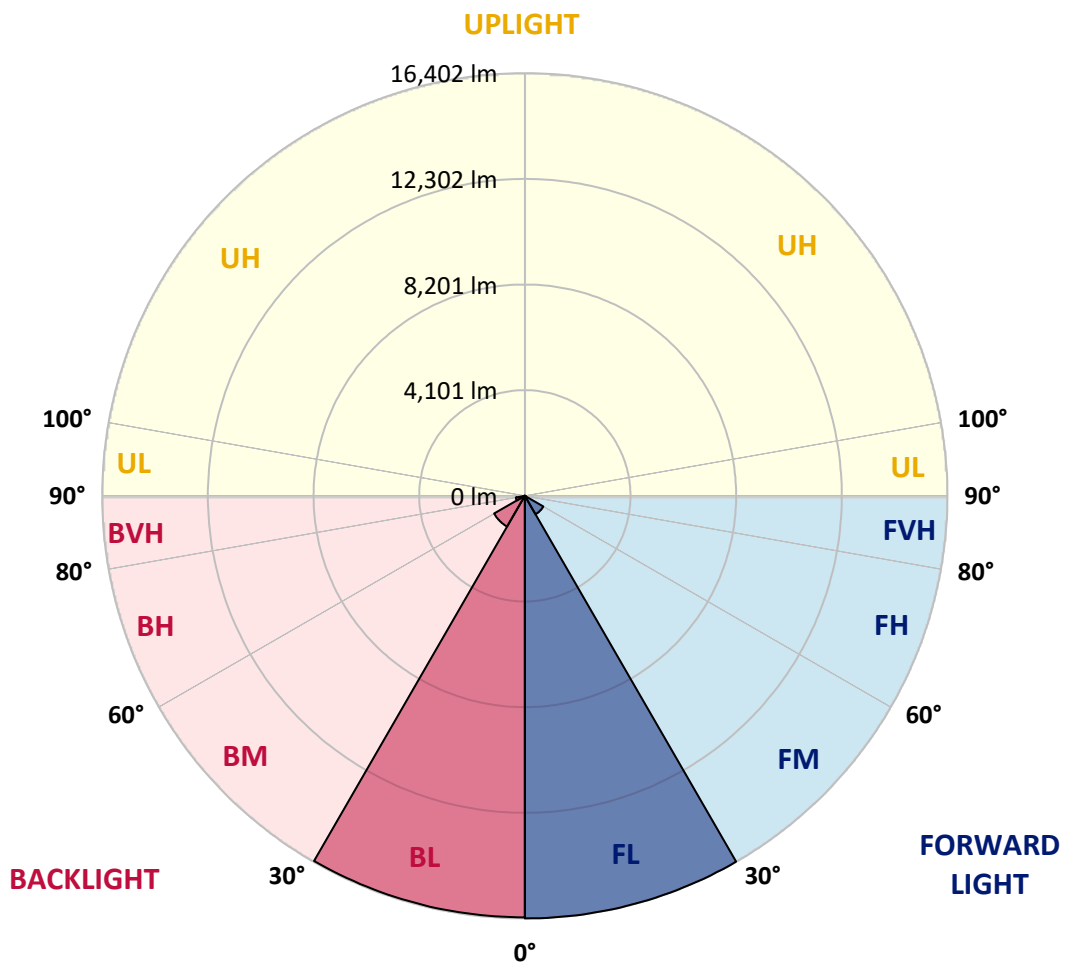


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	16402.0	46.3			
FM (30°-60°)	827.7	2.3			
FH (60°-80°)	39.0	0.1			G0/660
FVH (80°-90°)	7.7	0.0			G0/10
BL (0°-30°)	16363.2	46.2	B5		
BM (30°-60°)	1377.2	3.9	B2/2500		
BH (60°-80°)	355.6	1.0	B1/500		G0/660
BVH (80°-90°)	43.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	351791.4	351791.4	351791.4	351791.4	351791.4	351791.4	351791.4	351791.4	351791.4	351791.4
1°	347579.2	346518.4	343779.7	345727.7	347440.3	346942.7	346908.0	346722.9	346464.4	348493.4
2°	333685.1	332998.5	328948.3	330618.5	333052.5	331278.1	332389.1	331413.2	331432.4	333854.8
3°	310263.5	310637.6	304176.6	307212.3	310595.2	306294.3	307628.9	310136.2	307509.3	306718.6
4°	279821.5	276573.6	273044.2	276130.1	277005.7	274502.3	276963.2	280033.7	276384.6	276546.6
5°	245067.1	242667.8	238490.3	240395.9	238224.2	239014.9	242702.5	243967.7	241421.9	238216.5
6°	209332.9	207627.9	202405.1	205151.5	204380.1	203932.6	208588.4	204731.1	206119.7	204179.5
7°	174123.2	170937.1	168372.0	171002.7	171172.4	169826.2	175870.6	175168.6	172642.0	172055.7
8°	144263.7	141085.3	138913.6	140873.2	142153.8	140040.0	142882.8	144749.8	142774.8	142952.3
9°	116356.0	115796.7	112776.4	115337.7	116730.2	114465.9	117613.5	118288.6	116440.9	117339.7
10°	95538.1	94886.2	92475.4	93513.0	95819.7	93119.5	96139.8	96359.7	94886.2	95306.6
12.5°	59040.1	58777.8	58712.3	58862.7	58831.8	59310.1	60081.6	59202.1	59086.4	57632.2
15°	38160.5	38550.0	38148.9	38920.4	39032.2	39483.5	39012.9	38303.2	36949.3	36278.1
17.5°	23815.1	24312.7	24999.3	26129.5	27259.7	27390.8	26765.9	25932.8	25277.0	24559.6
20°	13701.2	13944.2	13840.1	15194.0	18117.8	18912.4	18106.3	17230.6	16439.9	15714.7
22.5°	8513.1	8424.4	8586.4	9041.6	9994.3	12451.4	11791.8	10916.2	10341.5	9743.6
25°	5219.0	5315.4	5253.7	5504.4	5932.6	6974.0	7124.5	6746.5	6453.3	6144.7
27.5°	3359.7	3359.7	3386.7	3525.6	3818.7	3784.0	4586.4	4293.2	4135.0	3984.6
30°	2333.7	2341.4	2341.4	2422.4	2488.0	2372.3	2580.5	2958.6	2885.3	2769.6
32.5°	1731.9	1755.1	1774.4	1816.8	1762.8	1639.4	1689.5	2129.2	2086.8	2044.4
35°	1319.2	1338.5	1384.8	1407.9	1330.8	1253.6	1207.3	1566.1	1585.4	1573.8
37.5°	960.5	972.0	1056.9	1145.6	1056.9	987.5	960.5	1203.5	1296.1	1284.5
40°	736.7	740.6	756.0	856.3	856.3	802.3	810.0	898.8	1060.8	1060.8
42.5°	632.6	632.6	648.0	632.6	636.5	694.3	713.6	725.2	898.8	898.8
45°	547.7	547.7	555.5	516.9	478.3	597.9	613.3	617.2	756.0	775.3
47.5°	459.0	459.0	474.5	424.3	405.0	474.5	516.9	528.5	651.9	667.3
50°	339.4	343.3	389.6	347.2	358.7	366.4	447.4	455.2	551.6	586.3
52.5°	227.6	227.6	235.3	270.0	312.4	300.9	362.6	389.6	439.7	486.0
55°	185.2	185.2	181.3	173.6	231.4	250.7	266.2	324.0	358.7	416.6
57.5°	127.3	135.0	123.4	142.7	150.4	189.0	200.6	254.6	273.9	351.0
60°	15.4	19.3	27.0	104.1	100.3	127.3	150.4	200.6	223.7	270.0
62.5°	3.9	3.9	7.7	19.3	69.4	84.9	119.6	138.9	162.0	208.3
65°	0.0	0.0	3.9	7.7	15.4	46.3	61.7	81.0	115.7	146.6
67.5°	0.0	0.0	3.9	7.7	7.7	19.3	30.9	50.1	61.7	108.0
70°	0.0	0.0	3.9	7.7	7.7	15.4	19.3	23.1	42.4	57.9
72.5°	0.0	0.0	3.9	7.7	11.6	15.4	19.3	19.3	19.3	38.6
75°	0.0	0.0	3.9	7.7	11.6	15.4	19.3	19.3	15.4	15.4
77.5°	0.0	0.0	3.9	7.7	15.4	19.3	23.1	19.3	11.6	11.6
80°	0.0	0.0	3.9	11.6	19.3	27.0	30.9	23.1	11.6	7.7
82.5°	0.0	0.0	7.7	15.4	23.1	30.9	42.4	34.7	15.4	7.7
85°	0.0	0.0	3.9	11.6	23.1	30.9	61.7	42.4	19.3	3.9
87.5°	0.0	0.0	0.0	3.9	3.9	7.7	23.1	15.4	7.7	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°
351791.4	0°	351791.4	351791.4	351791.4	351791.4	351791.4	351791.4	351791.4	351791.4
346152.0	1°	348570.5	348813.5	348018.9	349249.4	348817.4	346287.0	345449.9	344458.6
332431.5	2°	331413.2	332651.4	332713.1	334078.6	334059.3	331108.4	330194.2	331879.9
308323.2	3°	307389.8	308832.4	307532.5	309958.7	309229.7	305650.1	304720.5	306633.7
277827.3	4°	276998.0	276724.1	276276.6	274895.7	276596.8	274155.1	272315.2	274911.1
242467.2	5°	241981.2	241371.8	240500.0	240091.1	241356.3	239794.1	236010.1	239801.8
207689.6	6°	207944.2	205321.2	205194.0	204966.4	205093.7	200719.5	200981.8	203805.3
170038.3	7°	171835.9	172318.0	171334.4	172912.1	171708.6	168746.1	167604.4	170578.4
143731.4	8°	142728.5	142119.1	141366.9	143723.7	141636.9	139692.8	138362.0	140711.1
117486.2	9°	117266.4	116213.3	115449.6	115330.0	115654.0	112005.0	112745.6	114523.8
95538.1	10°	95572.8	93844.7	94265.2	94377.0	94022.2	91630.6	91653.8	92267.1
58596.5	12.5°	58388.2	57539.6	57751.8	57867.5	58588.8	57747.9	56559.9	55703.5
36945.4	15°	36698.5	36089.1	37335.0	38172.0	38002.3	37254.0	36694.7	35919.4
24559.6	17.5°	24332.0	25130.4	25134.3	25898.0	25975.2	25226.9	24794.8	24096.7
15973.2	20°	15915.3	16247.0	16937.5	17477.5	17790.0	17219.1	16702.2	16223.9
9959.6	22.5°	9959.6	10538.2	10970.2	11672.2	11957.7	11541.1	11174.7	10785.1
6218.0	25°	6113.9	6526.6	6885.3	7494.8	7884.4	7683.8	7348.2	7074.3
4015.5	27.5°	4077.2	4250.8	4428.2	4848.7	5253.7	5141.8	5006.8	4840.9
2831.3	30°	2873.7	2889.1	3078.1	3313.4	3583.4	3652.9	3591.2	3506.3
2079.1	32.5°	2117.7	2179.4	2268.1	2414.7	2596.0	2761.8	2731.0	2692.4
1589.2	35°	1635.5	1728.1	1801.4	1913.2	2009.7	2167.8	2194.8	2183.2
1307.6	37.5°	1334.6	1415.6	1488.9	1554.5	1635.5	1743.5	1828.4	1832.2
1080.0	40°	1107.1	1180.3	1276.8	1326.9	1384.8	1465.8	1569.9	1577.6
914.2	42.5°	933.5	1002.9	1099.3	1161.1	1203.5	1280.6	1384.8	1400.2
783.0	45°	802.3	844.8	945.0	1018.3	1060.8	1110.9	1222.8	1238.2
675.0	47.5°	698.2	740.6	802.3	906.5	945.0	991.3	1080.0	1107.1
597.9	50°	613.3	655.7	709.7	802.3	860.2	898.8	972.0	1010.6
520.7	52.5°	543.9	586.3	644.2	717.5	783.0	817.8	887.2	937.3
424.3	55°	455.2	528.5	570.9	636.5	725.2	756.0	810.0	875.6
370.3	57.5°	397.3	459.0	520.7	574.7	663.5	702.0	756.0	817.8
293.2	60°	335.6	393.4	466.7	513.0	597.9	648.0	705.9	763.7
223.7	62.5°	266.2	343.3	393.4	459.0	540.0	605.6	651.9	709.7
173.6	65°	196.7	281.6	339.4	408.9	486.0	555.5	594.0	655.7
123.4	67.5°	142.7	219.9	289.3	354.9	428.2	497.6	536.2	590.2
77.1	70°	111.9	162.0	239.2	297.0	374.2	432.0	474.5	509.2
50.1	72.5°	65.6	123.4	192.9	258.4	327.9	366.4	397.3	428.2
23.1	75°	42.4	96.4	158.2	216.0	266.2	300.9	327.9	354.9
11.6	77.5°	27.0	69.4	127.3	181.3	204.4	246.9	270.0	285.4
7.7	80°	15.4	54.0	111.9	146.6	165.9	192.9	216.0	235.3
7.7	82.5°	11.6	46.3	92.6	123.4	123.4	154.3	165.9	165.9
3.9	85°	7.7	38.6	73.3	115.7	92.6	115.7	108.0	108.0
3.9	87.5°	7.7	27.0	34.7	50.1	42.4	50.1	50.1	57.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
351791.4  
340531.9  
324740.0  
298136.1  
265514.7  
229811.4  
195620.1  
162489.6  
134003.3  
108969.3  
88093.5  
55182.8  
35522.1  
23923.1  
16058.0  
10576.8  
6916.2  
4744.5  
3448.4  
2661.6  
2144.7  
1805.2  
1566.1  
1388.6  
1234.3  
1110.9  
1014.5  
937.3  
879.5  
821.6  
779.2  
736.7  
667.3  
594.0  
520.7  
435.9  
354.9  
277.7  
212.2  
154.3  
104.1  
57.9  
0.0

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