

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: P637062

Luminaire Tested: **IFLD-S-SA3B-730-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P637062  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3B-730-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (48) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15409.1 lumens  
Efficiency: N/A  
Efficacy: 125.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

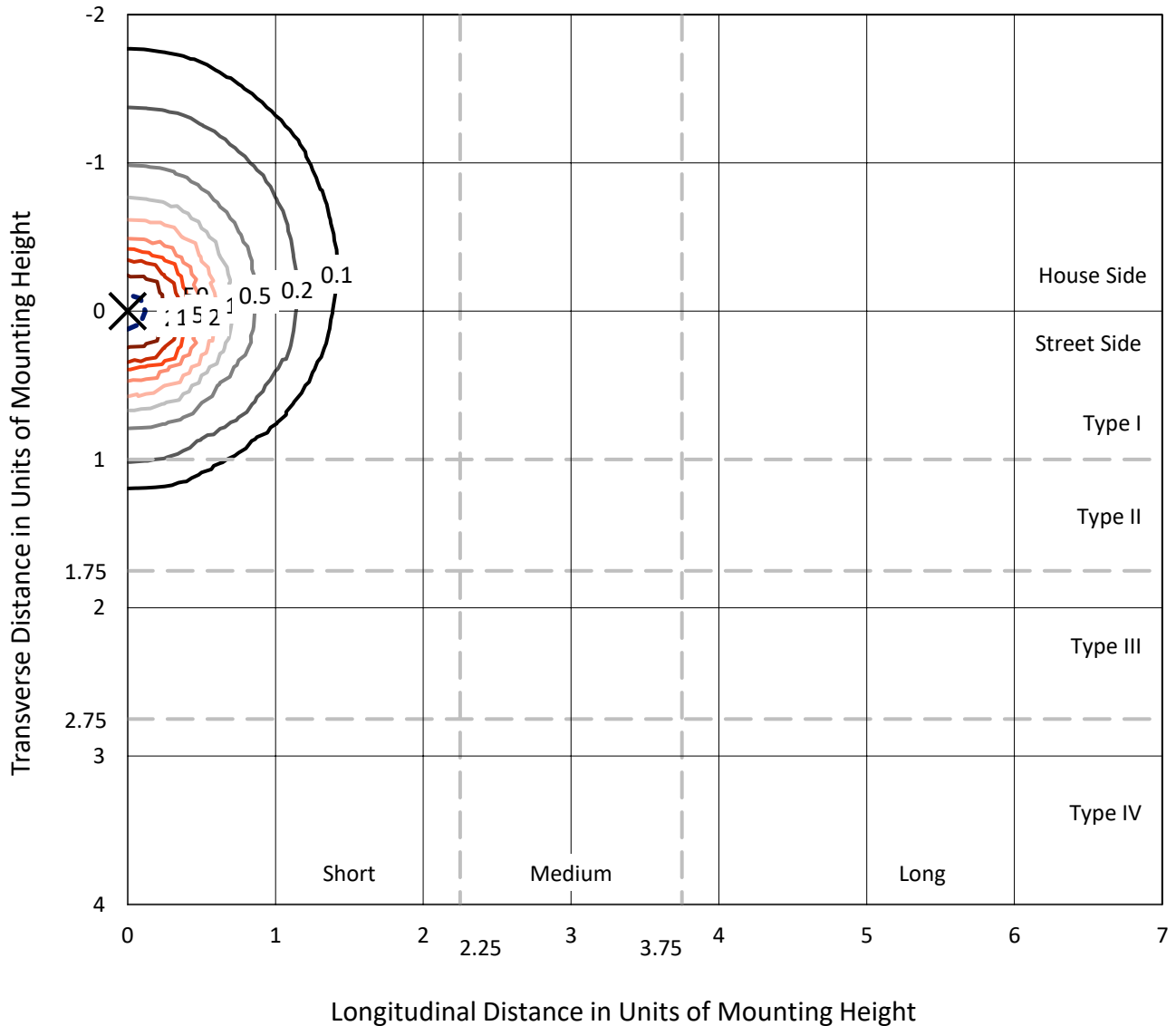
Input Watts (W): 122.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

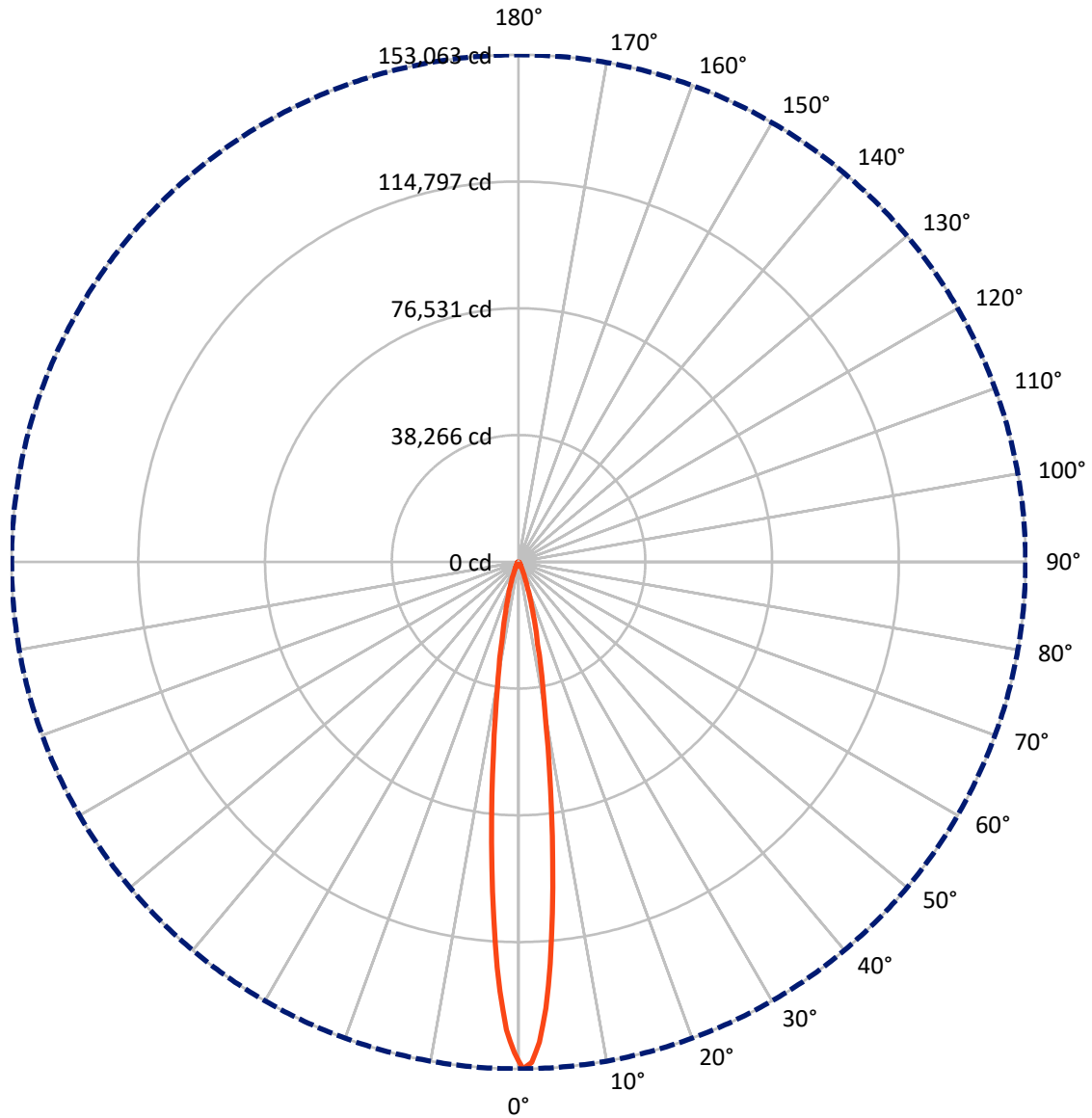
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 382.7 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	7892.3	0.0	7892.3
	% Fixture	51.2	0.0	51.2
<b>Street Side</b>	Lumens	7516.9	0.0	7516.9
	% Fixture	48.8	0.0	48.8
<b>Total</b>	Lumens	15409.1	0.0	15409.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7779.0	50.5
10°-20°	4980.1	32.3
20°-30°	1496.9	9.7
30°-40°	487.4	3.2
40°-50°	283.6	1.8
50°-60°	188.4	1.2
60°-70°	113.4	0.7
70°-80°	58.3	0.4
80°-90°	22.1	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°	15409.1	100.0
0°-180°	15409.1	100.0

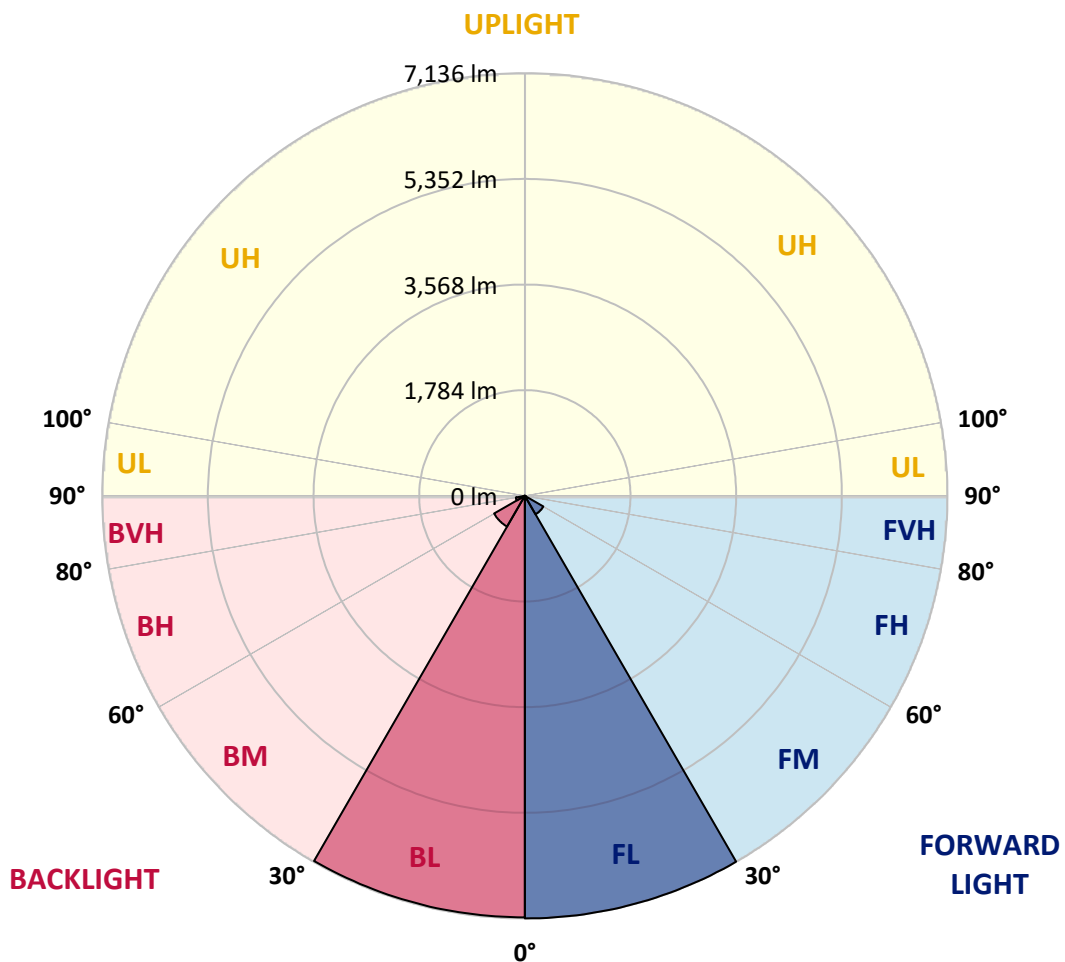


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7136.4	46.3			
FM (30°-60°)	360.1	2.3			
FH (60°-80°)	17.0	0.1			G0/660
FVH (80°-90°)	3.3	0.0			G0/10
BL (0°-30°)	7119.5	46.2	B5		
BM (30°-60°)	599.2	3.9	B1/1000		
BH (60°-80°)	154.7	1.0	B1/500		G0/660
BVH (80°-90°)	18.8	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°	153062.7	153062.7	153062.7	153062.7	153062.7	153062.7	153062.7	153062.7	153062.7	153062.7
1°	151230.0	150768.5	149576.9	150424.5	151169.6	150953.1	150938.0	150857.5	150745.0	151627.8
2°	145184.8	144886.1	143123.8	143850.6	144909.6	144137.5	144620.9	144196.3	144204.7	145258.6
3°	134994.2	135157.0	132345.8	133666.6	135138.5	133267.2	133847.9	134938.8	133795.9	133451.8
4°	121749.0	120335.9	118800.2	120142.9	120523.8	119434.6	120505.4	121841.3	120253.6	120324.1
5°	106627.5	105583.6	103766.0	104595.1	103650.2	103994.3	105598.7	106149.2	105041.5	103646.8
6°	91079.7	90337.9	88065.5	89260.4	88924.8	88730.1	90755.8	89077.5	89681.7	88837.5
7°	75760.2	74373.9	73257.8	74402.4	74476.3	73890.6	76520.5	76215.0	75115.7	74860.6
8°	62768.5	61385.5	60440.7	61293.2	61850.4	60930.7	62167.6	62979.9	62120.6	62197.8
9°	50626.0	50382.6	49068.5	50182.9	50788.8	49803.6	51173.1	51466.8	50662.9	51053.9
10°	41568.2	41284.5	40235.6	40687.1	41690.7	40515.9	41830.0	41925.6	41284.5	41467.5
12.5°	25688.1	25574.0	25545.4	25610.9	25597.4	25805.6	26141.2	25758.6	25708.2	25075.5
15°	16603.4	16772.9	16598.4	16934.1	16982.7	17179.1	16974.3	16665.5	16076.4	15784.4
17.5°	10361.8	10578.3	10877.1	11368.8	11860.6	11917.6	11645.7	11283.2	10997.9	10685.7
20°	5961.3	6067.1	6021.7	6610.8	7883.0	8228.7	7877.9	7497.0	7152.9	6837.4
22.5°	3704.0	3665.4	3735.9	3933.9	4348.5	5417.6	5130.6	4749.6	4499.5	4239.4
25°	2270.7	2312.7	2285.8	2394.9	2581.2	3034.4	3099.8	2935.3	2807.8	2673.5
27.5°	1461.8	1461.8	1473.5	1534.0	1661.5	1646.4	1995.5	1867.9	1799.1	1733.7
30°	1015.4	1018.7	1018.7	1054.0	1082.5	1032.2	1122.8	1287.3	1255.4	1205.0
32.5°	753.6	763.6	772.0	790.5	767.0	713.3	735.1	926.4	908.0	889.5
35°	574.0	582.4	602.5	612.6	579.0	545.4	525.3	681.4	689.8	684.7
37.5°	417.9	422.9	459.9	498.5	459.9	429.6	417.9	523.6	563.9	558.9
40°	320.6	322.2	328.9	372.6	372.6	349.1	352.4	391.0	461.5	461.5
42.5°	275.2	275.2	282.0	275.2	276.9	302.1	310.5	315.5	391.0	391.0
45°	238.3	238.3	241.7	224.9	208.1	260.1	266.8	268.5	328.9	337.3
47.5°	199.7	199.7	206.4	184.6	176.2	206.4	224.9	229.9	283.6	290.3
50°	147.7	149.4	169.5	151.0	156.1	159.4	194.7	198.0	240.0	255.1
52.5°	99.0	99.0	102.4	117.5	135.9	130.9	157.8	169.5	191.3	211.5
55°	80.6	80.6	78.9	75.5	100.7	109.1	115.8	141.0	156.1	181.3
57.5°	55.4	58.7	53.7	62.1	65.5	82.2	87.3	110.8	119.2	152.7
60°	6.7	8.4	11.7	45.3	43.6	55.4	65.5	87.3	97.3	117.5
62.5°	1.7	1.7	3.4	8.4	30.2	36.9	52.0	60.4	70.5	90.6
65°	0.0	0.0	1.7	3.4	6.7	20.1	26.9	35.2	50.3	63.8
67.5°	0.0	0.0	1.7	3.4	3.4	8.4	13.4	21.8	26.9	47.0
70°	0.0	0.0	1.7	3.4	3.4	6.7	8.4	10.1	18.5	25.2
72.5°	0.0	0.0	1.7	3.4	5.0	6.7	8.4	8.4	8.4	16.8
75°	0.0	0.0	1.7	3.4	5.0	6.7	8.4	8.4	6.7	6.7
77.5°	0.0	0.0	1.7	3.4	6.7	8.4	10.1	8.4	5.0	5.0
80°	0.0	0.0	1.7	5.0	8.4	11.7	13.4	10.1	5.0	3.4
82.5°	0.0	0.0	3.4	6.7	10.1	13.4	18.5	15.1	6.7	3.4
85°	0.0	0.0	1.7	5.0	10.1	13.4	26.9	18.5	8.4	1.7
87.5°	0.0	0.0	0.0	1.7	1.7	3.4	10.1	6.7	3.4	1.7
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°
153062.7	0°	153062.7	153062.7	153062.7	153062.7	153062.7	153062.7	153062.7	153062.7	153062.7
150609.1	1°	151661.4	151767.1	151421.4	151956.7	151768.8	150667.8	150303.6	149872.3	149251.3
144639.4	2°	144196.3	144735.0	144761.9	145356.0	145347.6	144063.7	143665.9	144399.4	142967.8
134150.0	3°	133743.8	134371.5	133805.9	134861.6	134544.4	132986.9	132582.4	133414.9	132374.3
120881.3	4°	120520.5	120401.3	120206.6	119605.8	120345.9	119283.6	118483.0	119612.5	117387.1
105496.3	5°	105284.9	105019.7	104640.4	104462.5	105013.0	104333.3	102686.9	104336.6	100367.4
90364.8	6°	90475.5	89334.3	89278.9	89179.9	89235.3	87332.1	87446.2	88674.7	85371.8
73982.9	7°	74765.0	74974.7	74546.8	75233.2	74709.6	73420.6	72923.9	74217.8	71883.3
62536.9	8°	62100.5	61835.3	61508.1	62533.5	61625.5	60779.7	60200.7	61222.7	59489.1
51117.7	9°	51022.0	50563.9	50231.6	50179.5	50320.5	48732.8	49055.1	49828.8	48784.9
41568.2	10°	41583.3	40831.4	41014.3	41063.0	40908.6	39868.0	39878.1	40145.0	38889.6
25495.1	12.5°	25404.4	25035.2	25127.5	25177.9	25491.7	25125.8	24608.9	24236.3	24048.4
16074.8	15°	15967.4	15702.2	16244.3	16608.5	16534.6	16209.0	15965.7	15628.3	15356.5
10685.7	17.5°	10586.7	10934.1	10935.8	11268.1	11301.7	10976.1	10788.1	10484.3	10497.8
6949.8	20°	6924.7	7069.0	7369.4	7604.4	7740.3	7491.9	7267.0	7058.9	6971.7
4333.4	22.5°	4333.4	4585.1	4773.1	5078.5	5202.7	5021.5	4862.0	4692.5	4588.5
2705.4	25°	2660.1	2839.7	2995.8	3260.9	3430.4	3343.2	3197.2	3078.0	3022.6
1747.1	27.5°	1774.0	1849.5	1926.7	2109.6	2285.8	2237.2	2178.4	2106.3	2081.1
1231.9	30°	1250.3	1257.0	1339.3	1441.7	1559.1	1589.4	1562.5	1525.6	1497.0
904.6	32.5°	921.4	948.2	986.8	1050.6	1129.5	1201.7	1188.2	1171.5	1158.0
691.5	35°	711.6	751.9	783.8	832.4	874.4	943.2	955.0	949.9	939.8
568.9	37.5°	580.7	615.9	647.8	676.4	711.6	758.6	795.5	797.2	787.1
469.9	40°	481.7	513.6	555.5	577.3	602.5	637.8	683.1	686.4	683.1
397.8	42.5°	406.1	436.4	478.3	505.2	523.6	557.2	602.5	609.2	602.5
340.7	45°	349.1	367.5	411.2	443.1	461.5	483.4	532.0	538.7	537.1
293.7	47.5°	303.8	322.2	349.1	394.4	411.2	431.3	469.9	481.7	481.7
260.1	50°	266.8	285.3	308.8	349.1	374.3	391.0	422.9	439.7	439.7
226.6	52.5°	236.6	255.1	280.3	312.2	340.7	355.8	386.0	407.8	407.8
184.6	55°	198.0	229.9	248.4	276.9	315.5	328.9	352.4	381.0	381.0
161.1	57.5°	172.9	199.7	226.6	250.1	288.7	305.5	328.9	355.8	359.2
127.6	60°	146.0	171.2	203.1	223.2	260.1	282.0	307.1	332.3	339.0
97.3	62.5°	115.8	149.4	171.2	199.7	235.0	263.5	283.6	308.8	318.9
75.5	65°	85.6	122.5	147.7	177.9	211.5	241.7	258.5	285.3	292.0
53.7	67.5°	62.1	95.7	125.9	154.4	186.3	216.5	233.3	256.8	261.8
33.6	70°	48.7	70.5	104.1	129.2	162.8	188.0	206.4	221.5	226.6
21.8	72.5°	28.5	53.7	83.9	112.4	142.7	159.4	172.9	186.3	189.6
10.1	75°	18.5	42.0	68.8	94.0	115.8	130.9	142.7	154.4	156.1
5.0	77.5°	11.7	30.2	55.4	78.9	88.9	107.4	117.5	124.2	120.8
3.4	80°	6.7	23.5	48.7	63.8	72.2	83.9	94.0	102.4	94.0
3.4	82.5°	5.0	20.1	40.3	53.7	53.7	67.1	72.2	72.2	68.8
1.7	85°	3.4	16.8	31.9	50.3	40.3	50.3	47.0	47.0	47.0
1.7	87.5°	3.4	11.7	15.1	21.8	18.5	21.8	21.8	25.2	25.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
153062.7  
148163.8  
141292.8  
129717.6  
115524.2  
99989.8  
85113.4  
70698.4  
58304.2  
47412.0  
38329.0  
24009.8  
15455.5  
10408.8  
6986.8  
4601.9  
3009.2  
2064.3  
1500.4  
1158.0  
933.1  
785.4  
681.4  
604.2  
537.1  
483.4  
441.4  
407.8  
382.7  
357.5  
339.0  
320.6  
290.3  
258.5  
226.6  
189.6  
154.4  
120.8  
92.3  
67.1  
45.3  
25.2  
0.0

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