

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: P637154

Luminaire Tested: **IFLD-S-SA6B-750-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P637154  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6B-750-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (96) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33955.7 lumens  
Efficiency: N/A  
Efficacy: 138.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

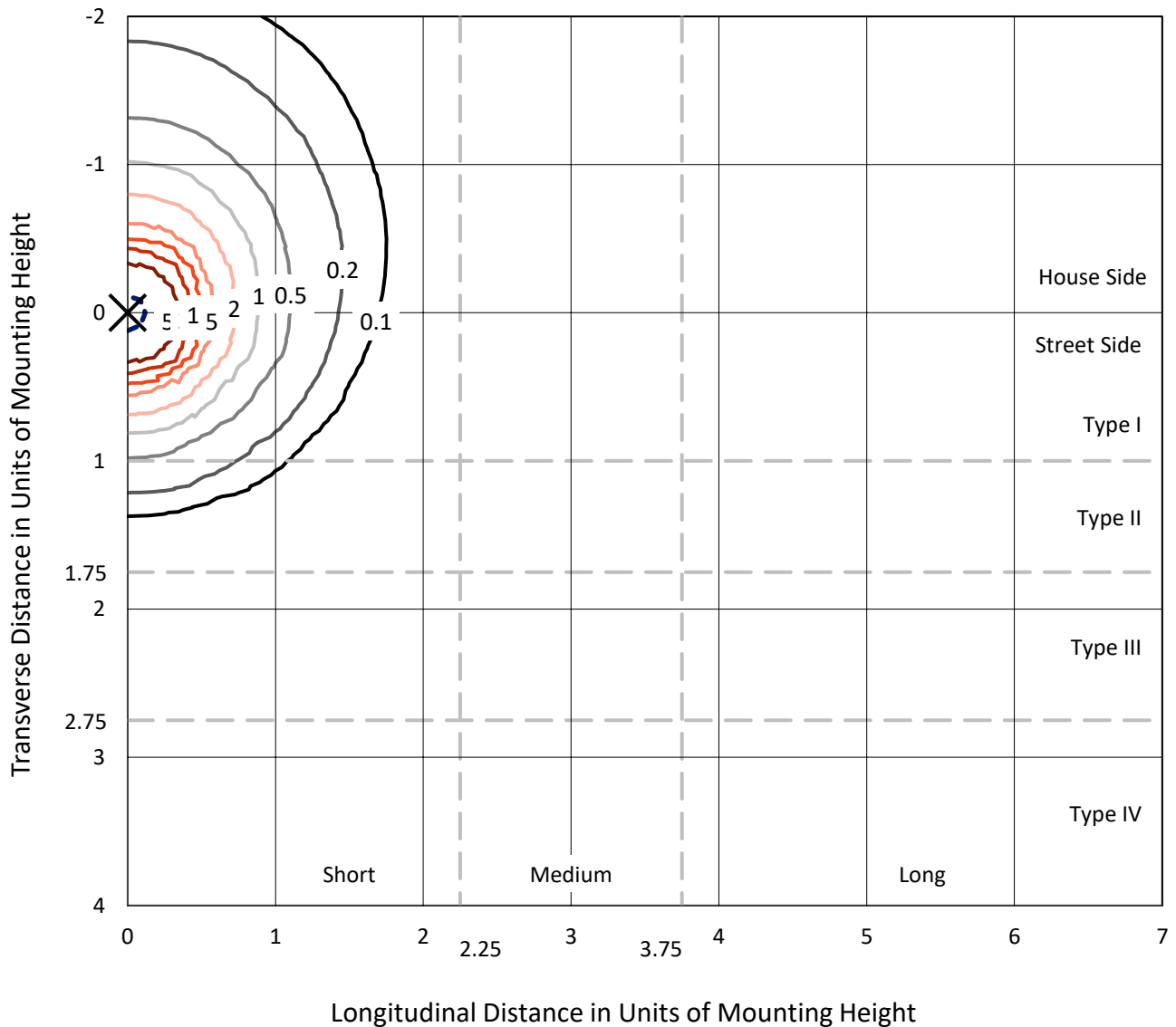
Input Watts (W): 244.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

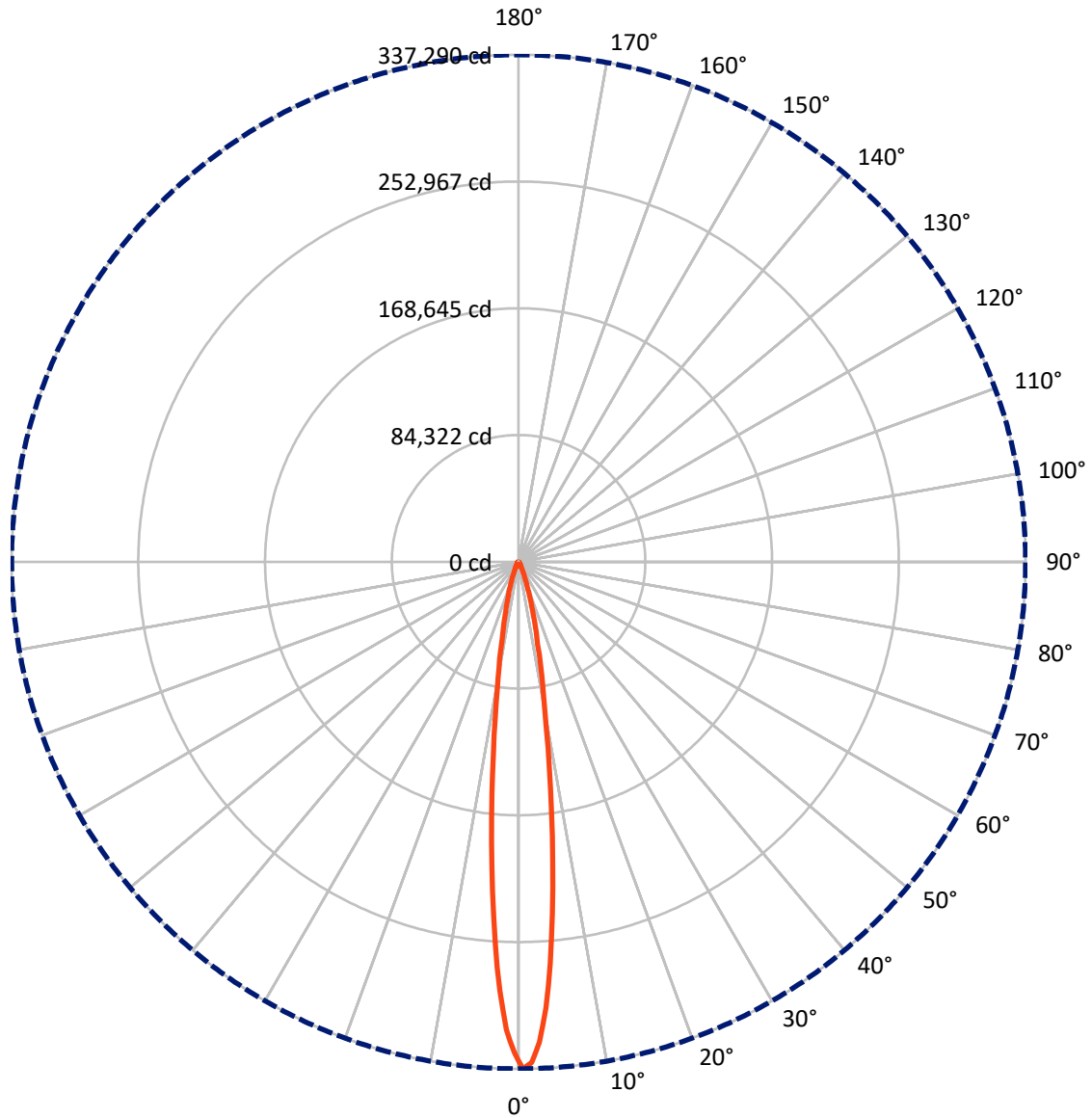
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 843.2 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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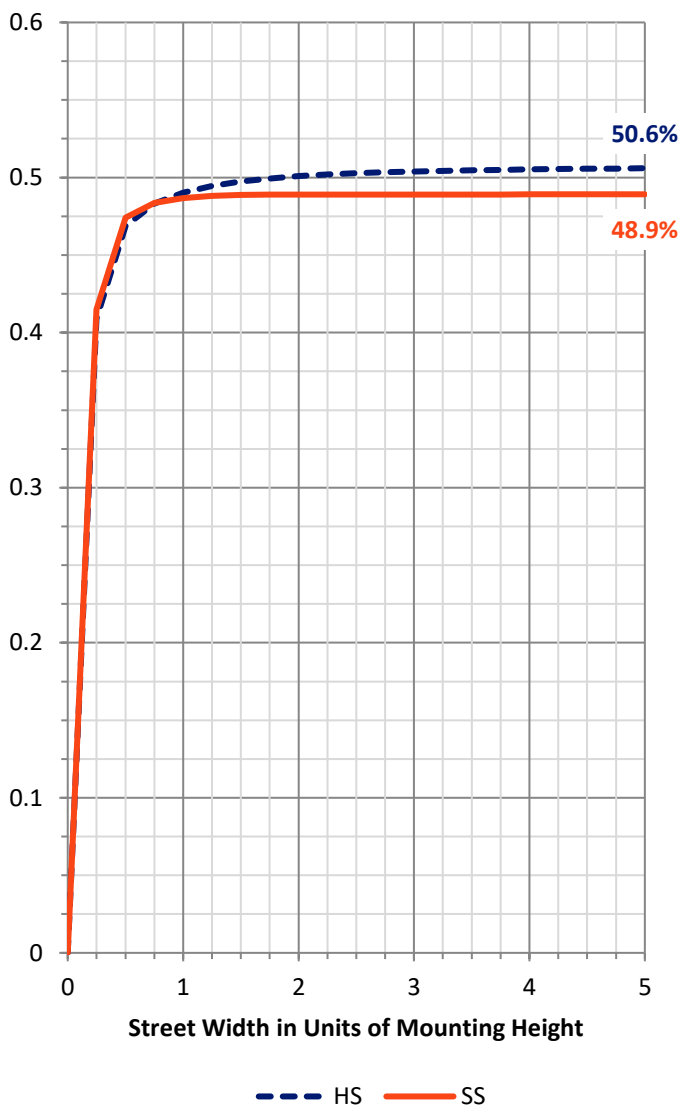
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17391.5	0.0	17391.5
	% Fixture	51.2	0.0	51.2
<b>Street Side</b>	Lumens	16564.2	0.0	16564.2
	% Fixture	48.8	0.0	48.8
<b>Total</b>	Lumens	33955.7	0.0	33955.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17141.8	50.5
10°-20°	10974.1	32.3
20°-30°	3298.6	9.7
30°-40°	1074.0	3.2
40°-50°	624.9	1.8
50°-60°	415.1	1.2
60°-70°	249.9	0.7
70°-80°	128.4	0.4
80°-90°	48.8	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°	33955.7	100.0
0°-180°	33955.7	100.0



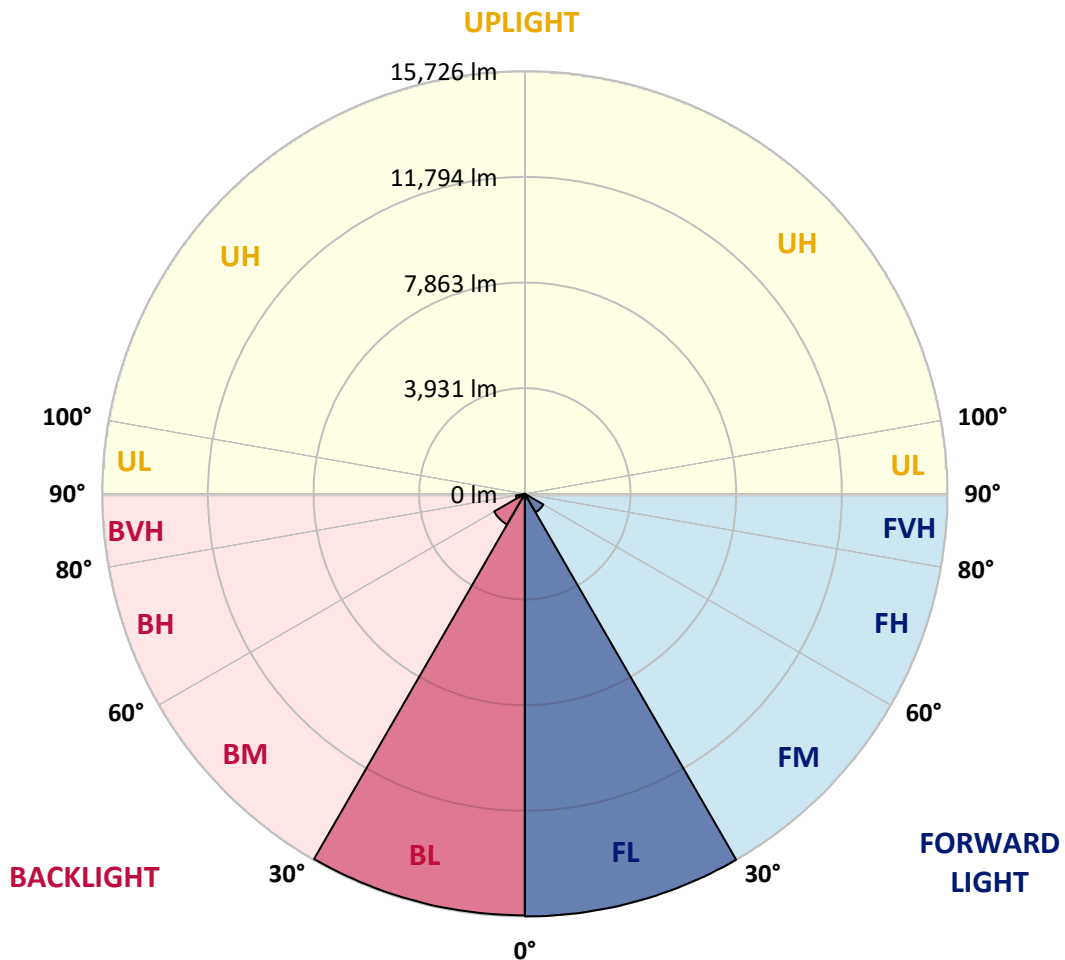
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	15725.9	46.3			
FM (30°-60°)	793.6	2.3			
FH (60°-80°)	37.4	0.1			G0/660
FVH (80°-90°)	7.4	0.0			G0/10
BL (0°-30°)	15688.6	46.2	B5		
BM (30°-60°)	1320.5	3.9	B2/2500		
BH (60°-80°)	340.9	1.0	B1/500		G0/660
BVH (80°-90°)	41.4	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°	337289.7	337289.7	337289.7	337289.7	337289.7	337289.7	337289.7	337289.7	337289.7	337289.7
1°	333251.2	332234.1	329608.3	331476.0	333118.0	332641.0	332607.7	332430.2	332182.4	334127.7
2°	319929.9	319271.6	315388.3	316989.7	319323.3	317622.1	318687.2	317751.6	317770.0	320092.6
3°	297473.7	297832.5	291637.8	294548.3	297791.8	293668.2	294947.8	297351.7	294833.1	294075.0
4°	268286.6	265172.7	261788.7	264747.4	265586.9	263186.7	265546.2	268490.0	264991.4	265146.8
5°	234964.8	232664.5	228659.2	230486.2	228404.0	229162.2	232697.8	233910.8	231469.9	228396.6
6°	200703.7	199069.0	194061.5	196694.7	195955.1	195526.0	199989.9	196291.6	197623.0	195762.7
7°	166945.5	163890.7	161431.3	163953.6	164116.3	162825.6	168620.8	167947.7	165525.3	164963.2
8°	138316.9	135269.5	133187.3	135066.0	136293.9	134267.2	136992.9	138782.9	136889.3	137059.4
9°	111559.6	111023.3	108127.5	110583.2	111918.3	109747.4	112765.2	113412.4	111640.9	112502.6
10°	91599.8	90974.8	88663.3	89658.2	91869.8	89280.9	92176.7	92387.5	90974.8	91377.9
12.5°	56606.4	56354.9	56292.0	56436.2	56406.7	56865.2	57604.9	56761.7	56650.7	55256.5
15°	36587.4	36960.9	36576.3	37316.0	37423.2	37855.9	37404.7	36724.2	35426.1	34782.6
17.5°	22833.4	23310.5	23968.8	25052.4	26136.0	26261.7	25662.6	24863.8	24235.0	23547.2
20°	13136.4	13369.4	13269.5	14567.7	17371.0	18132.8	17359.9	16520.4	15762.2	15066.9
22.5°	8162.2	8077.1	8232.4	8668.8	9582.3	11938.2	11305.7	10466.2	9915.2	9341.9
25°	5003.8	5096.3	5037.1	5277.5	5688.0	6686.5	6830.8	6468.3	6187.3	5891.4
27.5°	3221.2	3221.2	3247.1	3380.3	3661.3	3628.0	4397.3	4116.2	3964.6	3820.4
30°	2237.5	2244.9	2244.9	2322.5	2385.4	2274.5	2474.2	2836.6	2766.3	2655.4
32.5°	1660.5	1682.7	1701.2	1741.9	1690.1	1571.8	1619.9	2041.5	2000.8	1960.1
35°	1264.8	1283.3	1327.7	1349.9	1275.9	1202.0	1157.6	1501.5	1520.0	1508.9
37.5°	920.9	932.0	1013.3	1098.4	1013.3	946.8	920.9	1153.9	1242.6	1231.5
40°	706.4	710.1	724.9	821.0	821.0	769.2	776.6	861.7	1017.0	1017.0
42.5°	606.5	606.5	621.3	606.5	610.2	665.7	684.2	695.3	861.7	861.7
45°	525.2	525.2	532.6	495.6	458.6	573.2	588.0	591.7	724.9	743.4
47.5°	440.1	440.1	454.9	406.8	388.3	454.9	495.6	506.7	625.0	639.8
50°	325.5	329.1	373.5	332.8	343.9	351.3	429.0	436.4	528.9	562.1
52.5°	218.2	218.2	225.6	258.9	299.6	288.5	347.6	373.5	421.6	466.0
55°	177.5	177.5	173.8	166.4	221.9	240.4	255.2	310.7	343.9	399.4
57.5°	122.0	129.4	118.3	136.8	144.2	181.2	192.3	244.1	262.6	336.5
60°	14.8	18.5	25.9	99.9	96.2	122.0	144.2	192.3	214.5	258.9
62.5°	3.7	3.7	7.4	18.5	66.6	81.4	114.6	133.1	155.3	199.7
65°	0.0	0.0	3.7	7.4	14.8	44.4	59.2	77.7	110.9	140.5
67.5°	0.0	0.0	3.7	7.4	7.4	18.5	29.6	48.1	59.2	103.6
70°	0.0	0.0	3.7	7.4	7.4	14.8	18.5	22.2	40.7	55.5
72.5°	0.0	0.0	3.7	7.4	11.1	14.8	18.5	18.5	18.5	37.0
75°	0.0	0.0	3.7	7.4	11.1	14.8	18.5	18.5	14.8	14.8
77.5°	0.0	0.0	3.7	7.4	14.8	18.5	22.2	18.5	11.1	11.1
80°	0.0	0.0	3.7	11.1	18.5	25.9	29.6	22.2	11.1	7.4
82.5°	0.0	0.0	7.4	14.8	22.2	29.6	40.7	33.3	14.8	7.4
85°	0.0	0.0	3.7	11.1	22.2	29.6	59.2	40.7	18.5	3.7
87.5°	0.0	0.0	0.0	3.7	3.7	7.4	22.2	14.8	7.4	3.7
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°
337289.7	0°	337289.7	337289.7	337289.7	337289.7	337289.7	337289.7	337289.7	337289.7
331882.8	1°	334201.6	334434.6	333672.8	334852.6	334438.3	332012.2	331209.7	330259.2
318727.9	2°	317751.6	318938.7	318997.9	320307.1	320288.6	317459.4	316582.9	318199.1
295613.5	3°	294718.5	296101.6	294855.3	297181.5	296482.6	293050.5	292159.2	293993.6
266374.6	4°	265579.5	265316.9	264887.9	263563.9	265194.8	262853.8	261089.7	263578.7
232472.2	5°	232006.2	231421.9	230586.0	230194.0	231407.1	229909.3	226281.2	229916.7
199128.2	6°	199372.3	196857.4	196735.4	196517.2	196639.2	192445.4	192696.8	195404.0
163029.0	7°	164752.4	165214.7	164271.6	165784.2	164630.4	161790.0	160695.3	163546.7
137806.5	8°	136844.9	136260.6	135539.4	137799.1	135798.3	133934.4	132658.4	134910.7
112643.2	9°	112432.4	111422.7	110690.5	110575.8	110886.5	107387.9	108098.0	109802.9
91599.8	10°	91633.1	89976.2	90379.3	90486.6	90146.4	87853.4	87875.6	88463.6
56181.1	12.5°	55981.3	55167.7	55371.1	55482.1	56173.7	55367.4	54228.3	53407.3
35422.4	15°	35185.7	34601.4	35796.0	36598.5	36435.8	35718.3	35182.0	34438.7
23547.2	17.5°	23329.0	24094.5	24098.2	24830.5	24904.4	24187.0	23772.7	23103.4
15314.7	20°	15259.2	15577.3	16239.3	16757.1	17056.6	16509.3	16013.7	15555.1
9549.0	22.5°	9549.0	10103.8	10518.0	11191.1	11464.8	11065.3	10714.0	10340.5
5961.7	25°	5861.8	6257.5	6601.5	7185.8	7559.3	7367.0	7045.3	6782.7
3849.9	27.5°	3909.1	4075.5	4245.7	4648.8	5037.1	4929.8	4800.4	4641.4
2714.6	30°	2755.2	2770.0	2951.3	3176.8	3435.7	3502.3	3443.1	3361.8
1993.4	32.5°	2030.4	2089.5	2174.6	2315.1	2489.0	2648.0	2618.4	2581.4
1523.7	35°	1568.1	1656.8	1727.1	1834.4	1926.8	2078.5	2104.3	2093.2
1253.7	37.5°	1279.6	1357.3	1427.5	1490.4	1568.1	1671.6	1753.0	1756.7
1035.5	40°	1061.4	1131.7	1224.1	1272.2	1327.7	1405.4	1505.2	1512.6
876.5	42.5°	895.0	961.6	1054.0	1113.2	1153.9	1227.8	1327.7	1342.5
750.8	45°	769.2	809.9	906.1	976.4	1017.0	1065.1	1172.4	1187.2
647.2	47.5°	669.4	710.1	769.2	869.1	906.1	950.5	1035.5	1061.4
573.2	50°	588.0	628.7	680.5	769.2	824.7	861.7	932.0	969.0
499.3	52.5°	521.5	562.1	617.6	687.9	750.8	784.0	850.6	898.7
406.8	55°	436.4	506.7	547.4	610.2	695.3	724.9	776.6	839.5
355.0	57.5°	380.9	440.1	499.3	551.0	636.1	673.1	724.9	784.0
281.1	60°	321.8	377.2	447.5	491.9	573.2	621.3	676.8	732.3
214.5	62.5°	255.2	329.1	377.2	440.1	517.8	580.6	625.0	680.5
166.4	65°	188.6	270.0	325.5	392.0	466.0	532.6	569.5	628.7
118.3	67.5°	136.8	210.8	277.4	340.2	410.5	477.1	514.1	565.8
74.0	70°	107.3	155.3	229.3	284.8	358.7	414.2	454.9	488.2
48.1	72.5°	62.9	118.3	184.9	247.8	314.4	351.3	380.9	410.5
22.2	75°	40.7	92.5	151.6	207.1	255.2	288.5	314.4	340.2
11.1	77.5°	25.9	66.6	122.0	173.8	196.0	236.7	258.9	273.7
7.4	80°	14.8	51.8	107.3	140.5	159.0	184.9	207.1	225.6
7.4	82.5°	11.1	44.4	88.8	118.3	118.3	147.9	159.0	159.0
3.7	85°	7.4	37.0	70.3	110.9	88.8	110.9	103.6	103.6
3.7	87.5°	7.4	25.9	33.3	48.1	40.7	48.1	48.1	55.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
337289.7  
326494.4  
311353.5  
285846.2  
254569.6  
220338.0  
187556.2  
155791.4  
128479.4  
104477.3  
84462.0  
52908.0  
34057.8  
22936.9  
15396.1  
10140.8  
6631.1  
4548.9  
3306.3  
2551.8  
2056.3  
1730.8  
1501.5  
1331.4  
1183.5  
1065.1  
972.7  
898.7  
843.2  
787.7  
747.1  
706.4  
639.8  
569.5  
499.3  
417.9  
340.2  
266.3  
203.4  
147.9  
99.9  
55.5  
0.0

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