

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: P637256

Luminaire Tested: **IFLD-L-SA8B-830-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P637256  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8B-830-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (128) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32160.7 lumens  
Efficiency: N/A  
Efficacy: 100.5 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

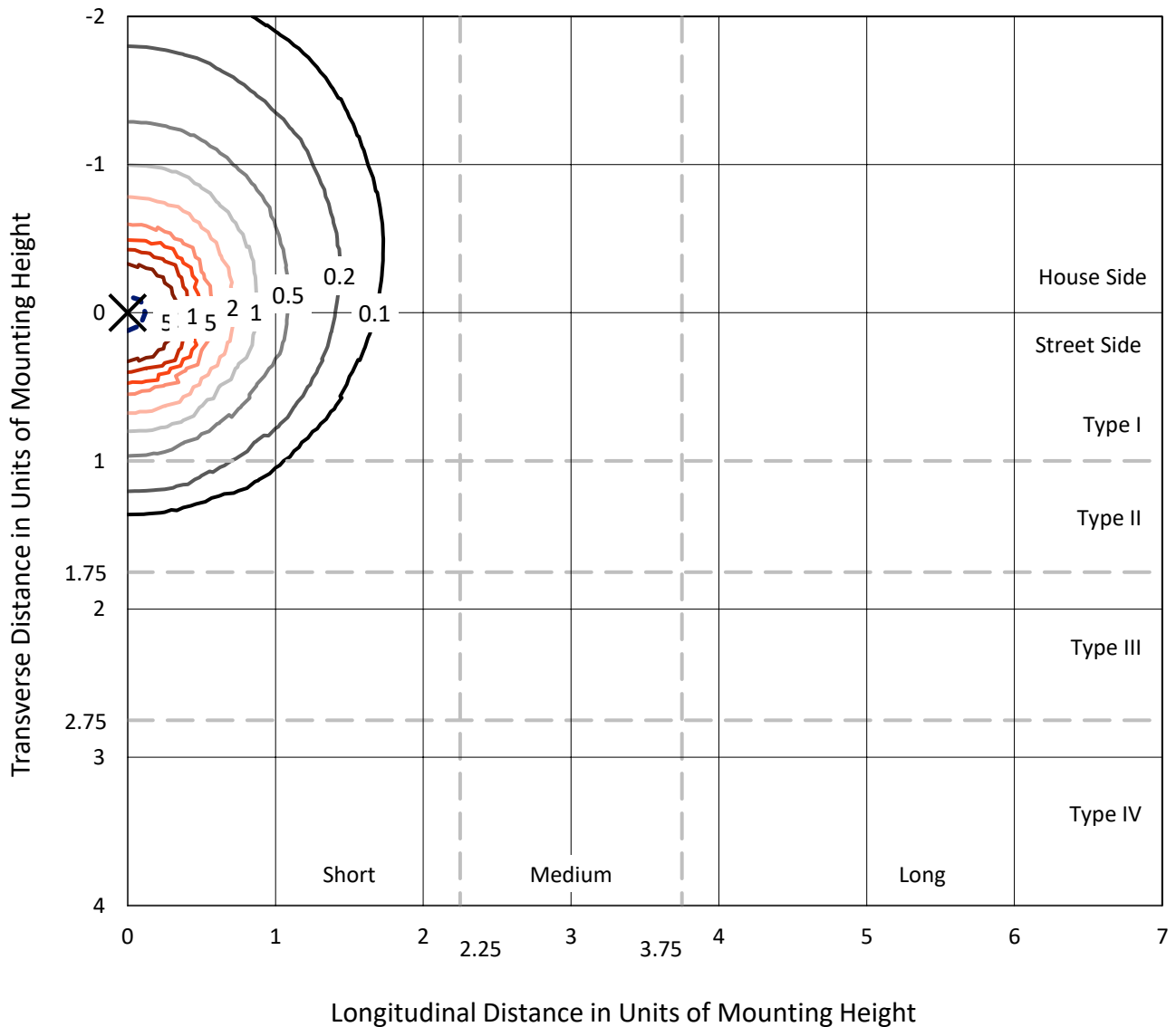
Input Watts (W): 320  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

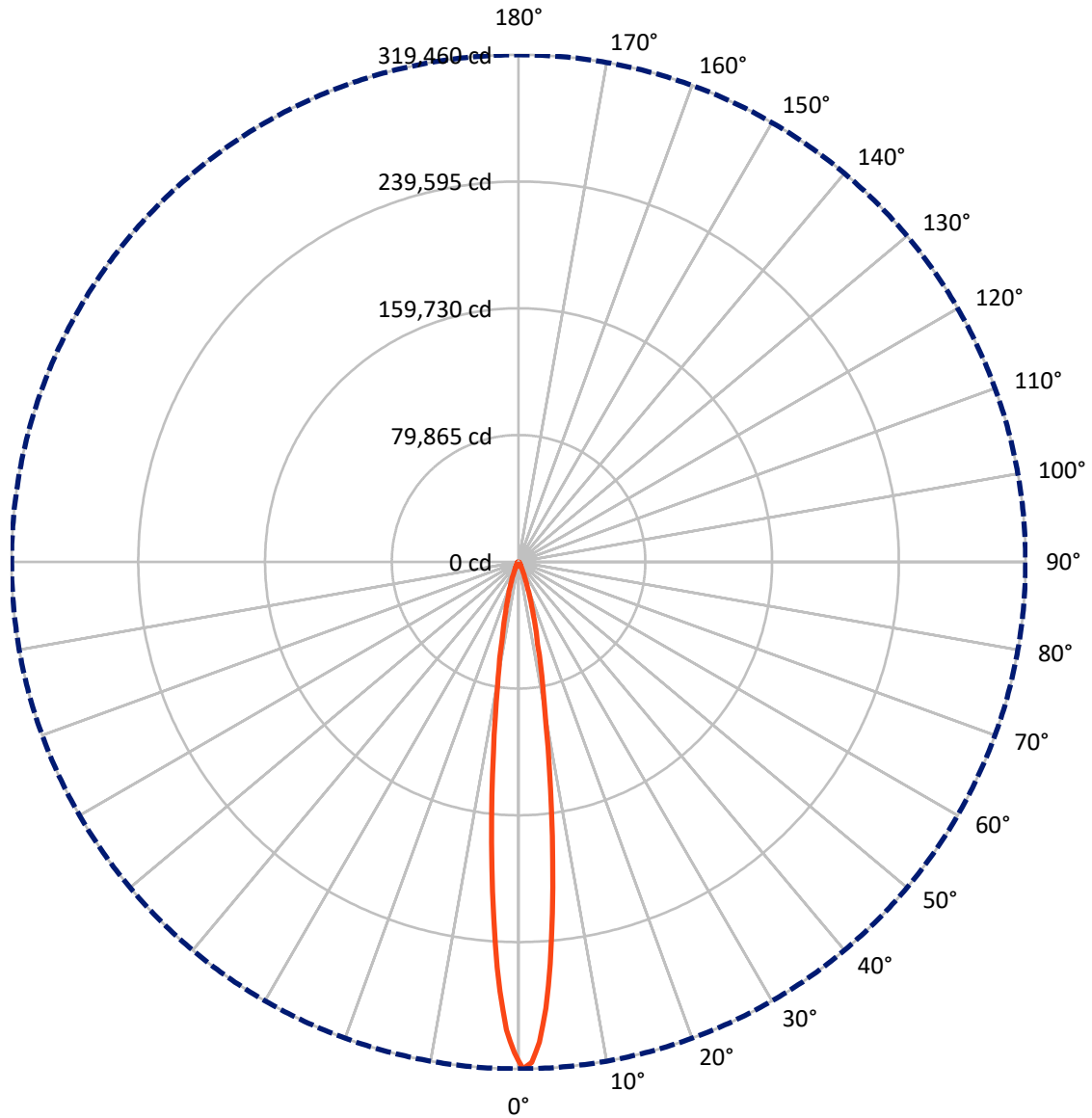
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 798.7 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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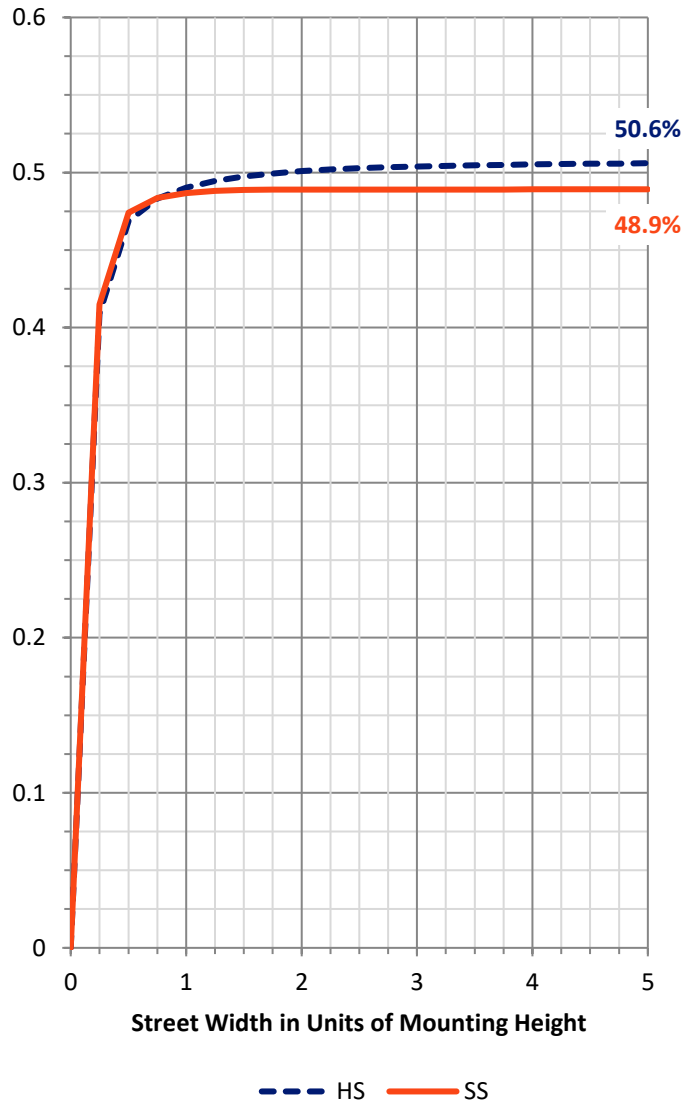
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	16472.1	0.0	16472.1
	% Fixture	51.2	0.0	51.2
<b>Street Side</b>	Lumens	15688.6	0.0	15688.6
	% Fixture	48.8	0.0	48.8
<b>Total</b>	Lumens	32160.7	0.0	32160.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16235.7	50.5
10°-20°	10394.0	32.3
20°-30°	3124.2	9.7
30°-40°	1017.3	3.2
40°-50°	591.9	1.8
50°-60°	393.1	1.2
60°-70°	236.6	0.7
70°-80°	121.6	0.4
80°-90°	46.2	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°	32160.7	100.0
0°-180°	32160.7	100.0

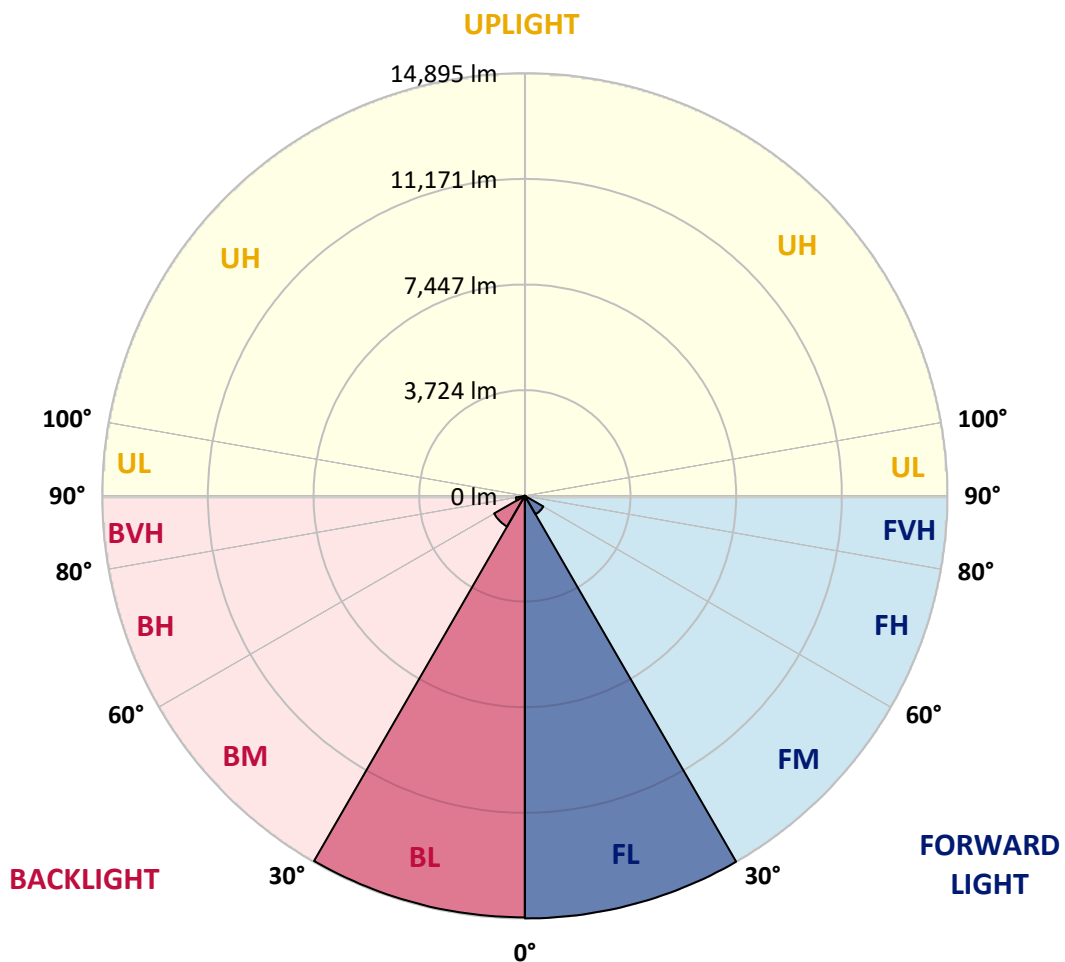


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	14894.6	46.3			
FM (30°-60°)	751.6	2.3			
FH (60°-80°)	35.4	0.1			G0/660
FVH (80°-90°)	7.0	0.0			G0/10
BL (0°-30°)	14859.3	46.2	B5		
BM (30°-60°)	1250.7	3.9	B2/2500		
BH (60°-80°)	322.9	1.0	B1/500		G0/660
BVH (80°-90°)	39.2	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°	319460.2	319460.2	319460.2	319460.2	319460.2	319460.2	319460.2	319460.2	319460.2	319460.2
1°	315635.1	314671.9	312184.9	313953.8	315509.0	315057.2	315025.6	314857.5	314622.8	316465.3
2°	303018.0	302394.5	298716.5	300233.3	302443.5	300832.2	301841.0	300954.8	300972.3	303172.1
3°	281748.9	282088.7	276221.5	278978.2	282050.1	278144.5	279356.5	281633.3	279247.9	278529.8
4°	254104.7	251155.3	247950.2	250752.5	251547.6	249274.3	251509.1	254297.3	250983.7	251130.8
5°	222544.3	220365.6	216572.0	218302.4	216330.3	217048.4	220397.1	221546.0	219234.2	216323.3
6°	190094.3	188546.0	183803.2	186297.2	185596.6	185190.3	189418.2	185915.4	187176.4	185414.5
7°	158120.6	155227.2	152897.9	155286.8	155440.9	154218.4	159707.3	159069.8	156775.5	156243.1
8°	131005.3	128119.0	126146.9	127926.3	129089.2	127169.7	129751.3	131446.6	129653.2	129814.3
9°	105662.4	105154.5	102411.8	104737.7	106002.2	103946.0	106804.3	107417.3	105739.5	106555.6
10°	86757.7	86165.7	83976.5	84918.7	87013.4	84561.4	87304.2	87503.8	86165.7	86547.5
12.5°	53614.1	53375.9	53316.3	53453.0	53424.9	53859.3	54559.8	53761.2	53656.1	52335.6
15°	34653.3	35007.1	34642.8	35343.4	35445.0	35854.8	35427.5	34783.0	33553.5	32944.0
17.5°	21626.4	22078.2	22701.7	23728.1	24754.4	24873.5	24306.0	23549.4	22953.9	22302.4
20°	12442.0	12662.7	12568.1	13797.6	16452.7	17174.3	16442.2	15647.1	14929.0	14270.5
22.5°	7730.7	7650.1	7797.3	8210.6	9075.8	11307.1	10708.1	9913.0	9391.0	8848.1
25°	4739.3	4826.9	4770.8	4998.5	5387.3	6333.1	6469.7	6126.4	5860.2	5580.0
27.5°	3051.0	3051.0	3075.5	3201.6	3467.8	3436.3	4164.8	3898.6	3755.0	3618.4
30°	2119.2	2126.2	2126.2	2199.8	2259.3	2154.2	2343.4	2686.7	2620.1	2515.0
32.5°	1572.8	1593.8	1611.3	1649.8	1600.8	1488.7	1534.2	1933.6	1895.0	1856.5
35°	1198.0	1215.5	1257.5	1278.5	1208.5	1138.4	1096.4	1422.1	1439.7	1429.1
37.5°	872.2	882.7	959.8	1040.3	959.8	896.7	872.2	1092.9	1176.9	1166.4
40°	669.0	672.5	686.6	777.6	777.6	728.6	735.6	816.2	963.3	963.3
42.5°	574.5	574.5	588.5	574.5	578.0	630.5	648.0	658.5	816.2	816.2
45°	497.4	497.4	504.4	469.4	434.3	542.9	556.9	560.5	686.6	704.1
47.5°	416.8	416.8	430.8	385.3	367.8	430.8	469.4	479.9	592.0	606.0
50°	308.2	311.8	353.8	315.3	325.8	332.8	406.3	413.3	500.9	532.4
52.5°	206.7	206.7	213.7	245.2	283.7	273.2	329.3	353.8	399.3	441.4
55°	168.1	168.1	164.6	157.6	210.2	227.7	241.7	294.2	325.8	378.3
57.5°	115.6	122.6	112.1	129.6	136.6	171.6	182.1	231.2	248.7	318.8
60°	14.0	17.5	24.5	94.6	91.1	115.6	136.6	182.1	203.2	245.2
62.5°	3.5	3.5	7.0	17.5	63.1	77.1	108.6	126.1	147.1	189.2
65°	0.0	0.0	3.5	7.0	14.0	42.0	56.0	73.6	105.1	133.1
67.5°	0.0	0.0	3.5	7.0	7.0	17.5	28.0	45.5	56.0	98.1
70°	0.0	0.0	3.5	7.0	7.0	14.0	17.5	21.0	38.5	52.5
72.5°	0.0	0.0	3.5	7.0	10.5	14.0	17.5	17.5	17.5	35.0
75°	0.0	0.0	3.5	7.0	10.5	14.0	17.5	17.5	14.0	14.0
77.5°	0.0	0.0	3.5	7.0	14.0	17.5	21.0	17.5	10.5	10.5
80°	0.0	0.0	3.5	10.5	17.5	24.5	28.0	21.0	10.5	7.0
82.5°	0.0	0.0	7.0	14.0	21.0	28.0	38.5	31.5	14.0	7.0
85°	0.0	0.0	3.5	10.5	21.0	28.0	56.0	38.5	17.5	3.5
87.5°	0.0	0.0	0.0	3.5	3.5	7.0	21.0	14.0	7.0	3.5
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°
319460.2	0°	319460.2	319460.2	319460.2	319460.2	319460.2	319460.2	319460.2	319460.2
314339.1	1°	316535.4	316756.0	316034.5	317151.8	316759.5	314461.7	313701.6	312801.4
301879.6	2°	300954.8	302079.2	302135.3	303375.3	303357.8	300678.1	299847.9	301378.7
279987.0	3°	279139.3	280449.4	279268.9	281472.2	280810.1	277559.5	276715.4	278452.8
252293.7	4°	251540.6	251291.9	250885.6	249631.6	251176.3	248959.1	247288.2	249645.6
220183.4	5°	219742.1	219188.6	218397.0	218025.7	219174.6	217756.0	214319.7	217763.0
188602.1	6°	188833.2	186451.3	186335.7	186129.1	186244.7	182272.5	182510.7	185074.7
154411.1	7°	156043.4	156481.2	155588.0	157020.7	155927.8	153237.6	152200.8	154901.5
130521.9	8°	129611.1	129057.7	128374.7	130514.9	128619.9	126854.4	125646.0	127779.2
106688.7	9°	106489.1	105532.8	104839.2	104730.7	105024.9	101711.2	102383.8	103998.6
86757.7	10°	86789.2	85220.0	85601.8	85703.4	85381.1	83209.4	83230.4	83787.3
53211.3	12.5°	53022.1	52251.5	52444.1	52549.2	53204.3	52440.6	51361.8	50584.1
33550.0	15°	33325.8	32772.3	33903.7	34663.9	34509.7	33830.2	33322.3	32618.2
22302.4	17.5°	22095.8	22820.8	22824.3	23517.9	23588.0	22908.4	22516.1	21882.1
14505.2	20°	14452.6	14753.9	15380.9	15871.3	16155.0	15636.6	15167.2	14732.8
9044.3	22.5°	9044.3	9569.7	9962.0	10599.5	10858.7	10480.4	10147.7	9793.9
5646.5	25°	5552.0	5926.8	6252.5	6806.0	7159.8	6977.6	6672.9	6424.2
3646.4	27.5°	3702.5	3860.1	4021.2	4403.0	4770.8	4669.3	4546.7	4396.0
2571.1	30°	2609.6	2623.6	2795.2	3008.9	3254.1	3317.2	3261.1	3184.1
1888.0	32.5°	1923.0	1979.1	2059.7	2192.8	2357.4	2508.0	2480.0	2445.0
1443.2	35°	1485.2	1569.3	1635.8	1737.4	1825.0	1968.6	1993.1	1982.6
1187.5	37.5°	1212.0	1285.5	1352.1	1411.6	1485.2	1583.3	1660.3	1663.8
980.8	40°	1005.3	1071.9	1159.4	1205.0	1257.5	1331.1	1425.6	1432.7
830.2	42.5°	847.7	910.7	998.3	1054.3	1092.9	1162.9	1257.5	1271.5
711.1	45°	728.6	767.1	858.2	924.7	963.3	1008.8	1110.4	1124.4
613.0	47.5°	634.0	672.5	728.6	823.2	858.2	900.2	980.8	1005.3
542.9	50°	556.9	595.5	644.5	728.6	781.1	816.2	882.7	917.7
472.9	52.5°	493.9	532.4	585.0	651.5	711.1	742.6	805.6	851.2
385.3	55°	413.3	479.9	518.4	578.0	658.5	686.6	735.6	795.1
336.3	57.5°	360.8	416.8	472.9	521.9	602.5	637.5	686.6	742.6
266.2	60°	304.7	357.3	423.8	465.9	542.9	588.5	641.0	693.6
203.2	62.5°	241.7	311.8	357.3	416.8	490.4	549.9	592.0	644.5
157.6	65°	178.6	255.7	308.2	371.3	441.4	504.4	539.4	595.5
112.1	67.5°	129.6	199.7	262.7	322.3	388.8	451.9	486.9	535.9
70.1	70°	101.6	147.1	217.2	269.7	339.8	392.3	430.8	462.4
45.5	72.5°	59.5	112.1	175.1	234.7	297.7	332.8	360.8	388.8
21.0	75°	38.5	87.6	143.6	196.2	241.7	273.2	297.7	322.3
10.5	77.5°	24.5	63.1	115.6	164.6	185.6	224.2	245.2	259.2
7.0	80°	14.0	49.0	101.6	133.1	150.6	175.1	196.2	213.7
7.0	82.5°	10.5	42.0	84.1	112.1	112.1	140.1	150.6	150.6
3.5	85°	7.0	35.0	66.6	105.1	84.1	105.1	98.1	98.1
3.5	87.5°	7.0	24.5	31.5	45.5	38.5	45.5	45.5	52.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
319460.2  
309235.5  
294895.0  
270736.1  
241112.7  
208690.7  
177641.7  
147556.1  
121687.8  
98954.5  
79997.3  
50111.3  
32257.4  
21724.5  
14582.2  
9604.7  
6280.5  
4308.5  
3131.5  
2416.9  
1947.6  
1639.3  
1422.1  
1261.0  
1120.9  
1008.8  
921.2  
851.2  
798.6  
746.1  
707.6  
669.0  
606.0  
539.4  
472.9  
395.8  
322.3  
252.2  
192.7  
140.1  
94.6  
52.5  
0.0

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