

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: P637077

Luminaire Tested: **IFLD-L-SA7B-730-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637077
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-730-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (112) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32249.4 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

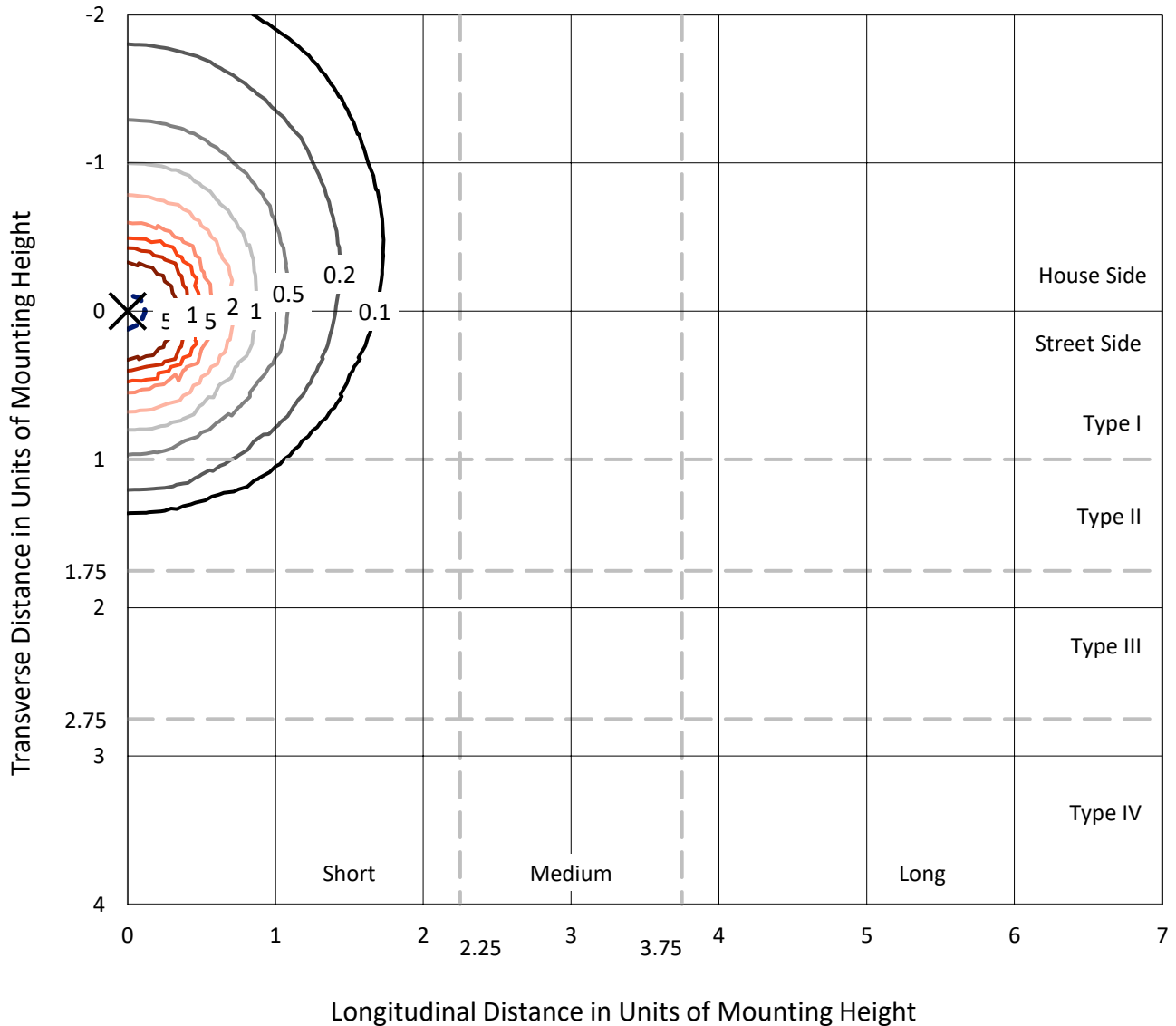
Input Watts (W): 281
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

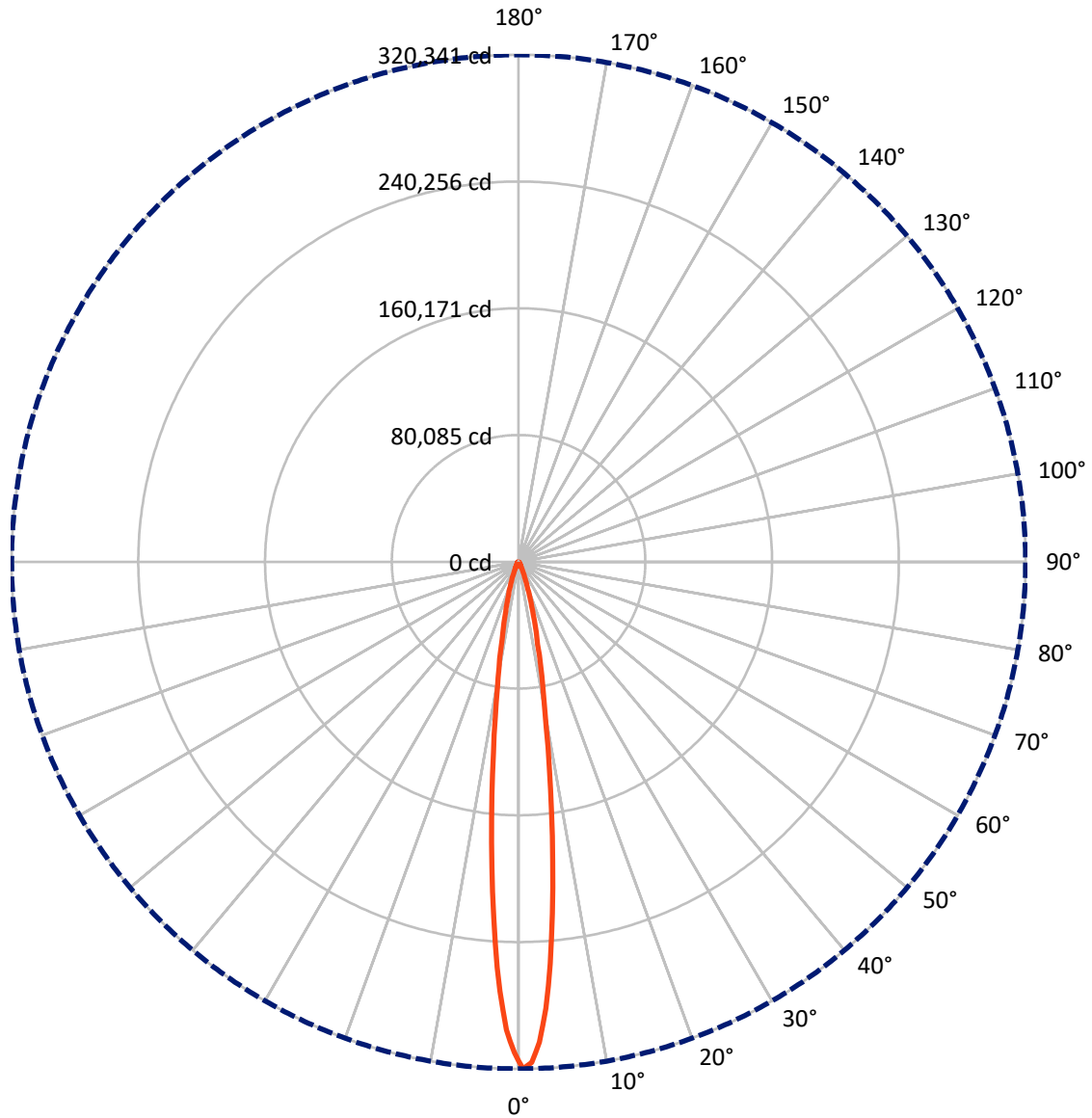
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 800.9 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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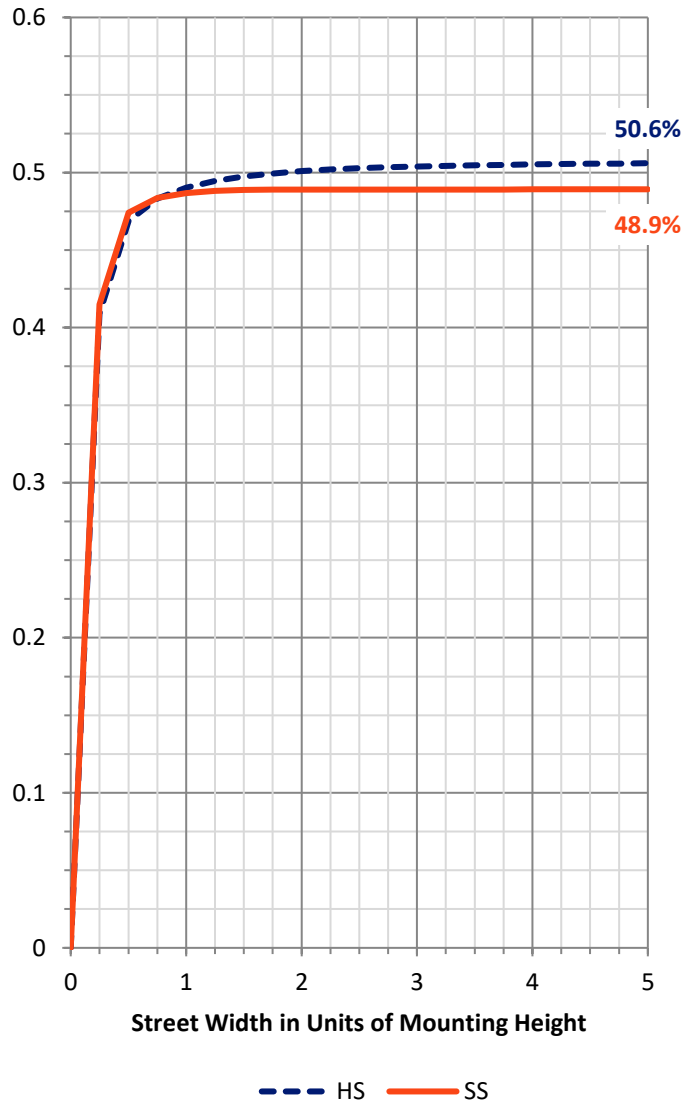
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16517.6	0.0	16517.6
	% Fixture	51.2	0.0	51.2
Street Side	Lumens	15731.8	0.0	15731.8
	% Fixture	48.8	0.0	48.8
Total	Lumens	32249.4	0.0	32249.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16280.5	50.5
10°-20°	10422.7	32.3
20°-30°	3132.9	9.7
30°-40°	1020.1	3.2
40°-50°	593.5	1.8
50°-60°	394.2	1.2
60°-70°	237.3	0.7
70°-80°	122.0	0.4
80°-90°	46.3	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°	32249.4	100.0
0°-180°	32249.4	100.0

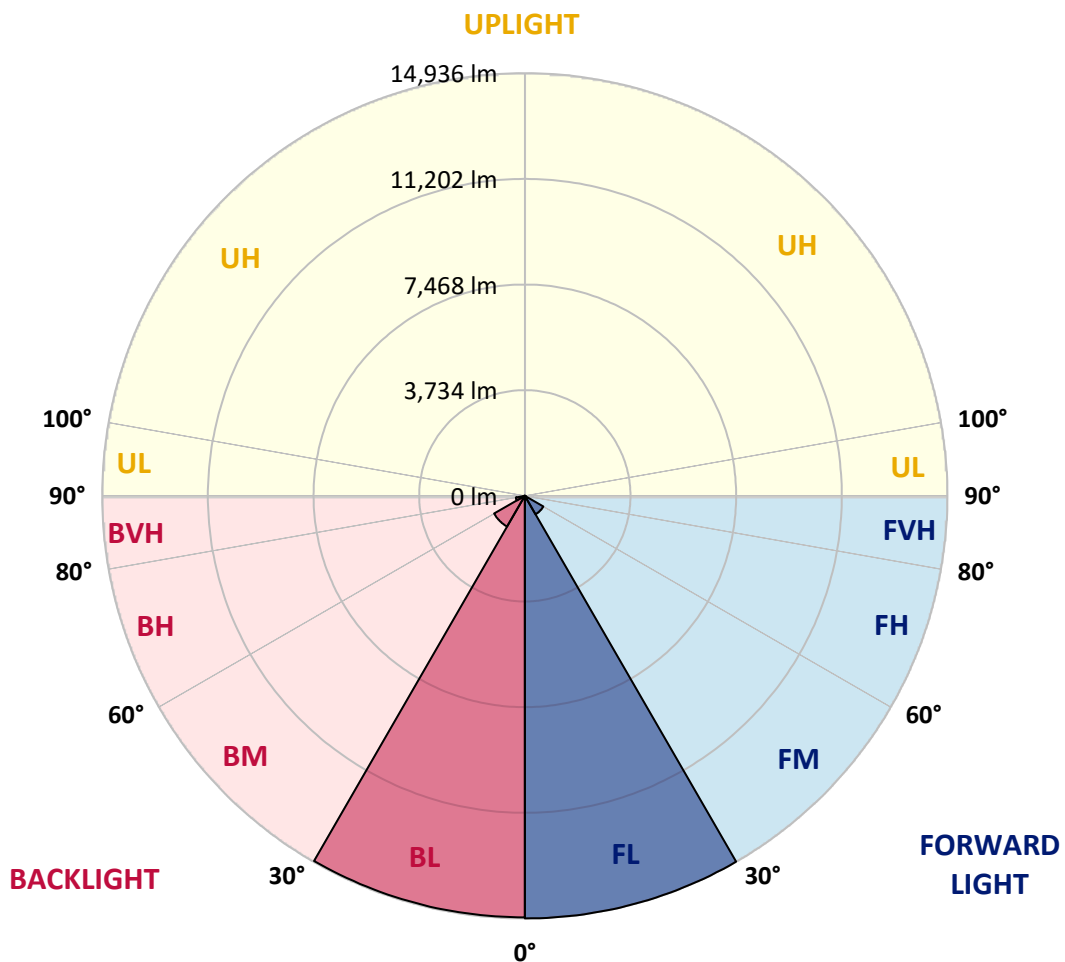


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	14935.7	46.3			
FM (30°-60°)	753.7	2.3			
FH (60°-80°)	35.5	0.1			G0/660
FVH (80°-90°)	7.0	0.0			G0/10
BL (0°-30°)	14900.3	46.2	B5		
BM (30°-60°)	1254.1	3.9	B2/2500		
BH (60°-80°)	323.8	1.0	B1/500		G0/660
BVH (80°-90°)	39.3	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°	320341.2	320341.2	320341.2	320341.2	320341.2	320341.2	320341.2	320341.2	320341.2	320341.2
1°	316505.6	315539.7	313045.8	314819.6	316379.2	315926.0	315894.4	315725.8	315490.5	317338.1
2°	303853.7	303228.4	299540.3	301061.2	303277.6	301661.9	302673.5	301784.8	301802.4	304008.2
3°	282525.9	282866.6	276983.2	279747.6	282828.0	278911.6	280126.9	282410.0	280018.0	279298.0
4°	254805.5	251848.0	248634.0	251444.0	252241.4	249961.8	252202.7	254998.7	251675.9	251823.4
5°	223158.1	220973.3	217169.3	218904.5	216926.9	217647.0	221004.9	222157.0	219838.8	216919.9
6°	190618.5	189066.0	184310.1	186811.0	186108.5	185701.0	189940.6	186428.1	187692.6	185925.8
7°	158556.6	155655.3	153319.5	155715.0	155869.6	154643.7	160147.8	159508.5	157207.8	156673.9
8°	131366.6	128472.3	126494.8	128279.1	129445.2	127520.4	130109.1	131809.1	130010.7	130172.3
9°	105953.8	105444.5	102694.2	105026.5	106294.5	104232.7	107098.9	107713.6	106031.1	106849.5
10°	86997.0	86403.4	84208.1	85152.9	87253.4	84794.7	87544.9	87745.1	86403.4	86786.2
12.5°	53761.9	53523.1	53463.4	53600.4	53572.3	54007.8	54710.3	53909.5	53804.1	52479.9
15°	34748.9	35103.7	34738.4	35440.9	35542.7	35953.7	35525.2	34878.9	33646.0	33034.8
17.5°	21686.0	22139.1	22764.3	23793.5	24822.7	24942.1	24373.1	23614.4	23017.2	22363.9
20°	12476.3	12697.6	12602.8	13835.6	16498.1	17221.7	16487.6	15690.2	14970.2	14309.8
22.5°	7752.0	7671.2	7818.8	8233.2	9100.8	11338.3	10737.6	9940.3	9416.9	8872.5
25°	4752.4	4840.2	4784.0	5012.3	5402.2	6350.6	6487.5	6143.3	5876.4	5595.4
27.5°	3059.4	3059.4	3084.0	3210.4	3477.4	3445.7	4176.3	3909.4	3765.4	3628.4
30°	2125.0	2132.1	2132.1	2205.8	2265.5	2160.2	2349.8	2694.1	2627.3	2522.0
32.5°	1577.1	1598.2	1615.7	1654.4	1605.2	1492.8	1538.5	1938.9	1900.2	1861.6
35°	1201.3	1218.8	1261.0	1282.1	1211.8	1141.6	1099.4	1426.1	1443.6	1433.1
37.5°	874.6	885.1	962.4	1043.2	962.4	899.2	874.6	1095.9	1180.2	1169.7
40°	670.9	674.4	688.4	779.8	779.8	730.6	737.6	818.4	965.9	965.9
42.5°	576.0	576.0	590.1	576.0	579.6	632.2	649.8	660.3	818.4	818.4
45°	498.8	498.8	505.8	470.7	435.5	544.4	558.5	562.0	688.4	706.0
47.5°	418.0	418.0	432.0	386.4	368.8	432.0	470.7	481.2	593.6	607.7
50°	309.1	312.6	354.8	316.1	326.7	333.7	407.4	414.5	502.3	533.9
52.5°	207.2	207.2	214.3	245.9	284.5	274.0	330.2	354.8	400.4	442.6
55°	168.6	168.6	165.1	158.1	210.7	228.3	242.4	295.0	326.7	379.3
57.5°	115.9	122.9	112.4	130.0	137.0	172.1	182.6	231.8	249.4	319.6
60°	14.0	17.6	24.6	94.8	91.3	115.9	137.0	182.6	203.7	245.9
62.5°	3.5	3.5	7.0	17.6	63.2	77.3	108.9	126.4	147.5	189.7
65°	0.0	0.0	3.5	7.0	14.0	42.1	56.2	73.8	105.4	133.5
67.5°	0.0	0.0	3.5	7.0	7.0	17.6	28.1	45.7	56.2	98.3
70°	0.0	0.0	3.5	7.0	7.0	14.0	17.6	21.1	38.6	52.7
72.5°	0.0	0.0	3.5	7.0	10.5	14.0	17.6	17.6	17.6	35.1
75°	0.0	0.0	3.5	7.0	10.5	14.0	17.6	17.6	14.0	14.0
77.5°	0.0	0.0	3.5	7.0	14.0	17.6	21.1	17.6	10.5	10.5
80°	0.0	0.0	3.5	10.5	17.6	24.6	28.1	21.1	10.5	7.0
82.5°	0.0	0.0	7.0	14.0	21.1	28.1	38.6	31.6	14.0	7.0
85°	0.0	0.0	3.5	10.5	21.1	28.1	56.2	38.6	17.6	3.5
87.5°	0.0	0.0	0.0	3.5	3.5	7.0	21.1	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°
320341.2	0°	320341.2	320341.2	320341.2	320341.2	320341.2	320341.2	320341.2	320341.2
315206.0	1°	317408.3	317629.6	316906.0	318026.5	317633.1	315328.9	314566.7	313664.0
302712.1	2°	301784.8	302912.3	302968.5	304211.9	304194.4	301507.3	300674.9	302209.8
280759.1	3°	279909.1	281222.8	280039.1	282248.4	281584.6	278325.0	277478.5	279220.7
252989.5	4°	252234.3	251985.0	251577.5	250320.0	251869.0	249645.6	247970.2	250334.1
220790.7	5°	220348.1	219793.1	218999.3	218627.0	219779.1	218356.5	214910.8	218363.5
189122.2	6°	189354.0	186965.5	186849.6	186642.4	186758.3	182775.1	183014.0	185585.1
154836.9	7°	156473.7	156912.8	156017.1	157453.7	156357.8	153660.2	152620.5	155328.7
130881.8	8°	129968.6	129413.6	128728.7	130874.8	128974.6	127204.3	125992.5	128131.6
106983.0	9°	106782.7	105823.8	105128.4	105019.5	105314.5	101991.7	102666.1	104285.4
86997.0	10°	87028.6	85455.0	85837.9	85939.7	85616.6	83438.8	83459.9	84018.4
53358.0	12.5°	53168.3	52395.6	52588.8	52694.1	53351.0	52585.3	51503.4	50723.7
33642.5	15°	33417.7	32862.7	33997.2	34759.5	34604.9	33923.5	33414.2	32708.2
22363.9	17.5°	22156.7	22883.8	22887.3	23582.8	23653.0	22971.6	22578.2	21942.4
14545.2	20°	14492.5	14794.5	15423.3	15915.0	16199.5	15679.7	15209.0	14773.5
9069.2	22.5°	9069.2	9596.1	9989.5	10628.7	10888.7	10509.3	10175.6	9820.9
5662.1	25°	5567.3	5943.1	6269.8	6824.7	7179.5	6996.9	6691.3	6441.9
3656.5	27.5°	3712.7	3870.7	4032.3	4415.2	4784.0	4682.1	4559.2	4408.2
2578.2	30°	2616.8	2630.8	2803.0	3017.2	3263.1	3326.3	3270.1	3192.8
1893.2	32.5°	1928.3	1984.5	2065.3	2198.8	2363.9	2514.9	2486.8	2451.7
1447.1	35°	1489.3	1573.6	1640.3	1742.2	1830.0	1974.0	1998.6	1988.1
1190.7	37.5°	1215.3	1289.1	1355.8	1415.5	1489.3	1587.6	1664.9	1668.4
983.5	40°	1008.1	1074.8	1162.6	1208.3	1261.0	1334.7	1429.6	1436.6
832.5	42.5°	850.0	913.2	1001.1	1057.3	1095.9	1166.1	1261.0	1275.0
713.0	45°	730.6	769.2	860.6	927.3	965.9	1011.6	1113.5	1127.5
614.7	47.5°	635.8	674.4	730.6	825.4	860.6	902.7	983.5	1008.1
544.4	50°	558.5	597.1	646.3	730.6	783.3	818.4	885.1	920.3
474.2	52.5°	495.3	533.9	586.6	653.3	713.0	744.6	807.9	853.5
386.4	55°	414.5	481.2	519.8	579.6	660.3	688.4	737.6	797.3
337.2	57.5°	361.8	418.0	474.2	523.4	604.1	639.3	688.4	744.6
266.9	60°	305.6	358.3	425.0	467.2	544.4	590.1	642.8	695.5
203.7	62.5°	242.4	312.6	358.3	418.0	491.7	551.5	593.6	646.3
158.1	65°	179.1	256.4	309.1	372.3	442.6	505.8	540.9	597.1
112.4	67.5°	130.0	200.2	263.4	323.1	389.9	453.1	488.2	537.4
70.2	70°	101.9	147.5	217.8	270.5	340.7	393.4	432.0	463.6
45.7	72.5°	59.7	112.4	175.6	235.3	298.6	333.7	361.8	389.9
21.1	75°	38.6	87.8	144.0	196.7	242.4	274.0	298.6	323.1
10.5	77.5°	24.6	63.2	115.9	165.1	186.2	224.8	245.9	259.9
7.0	80°	14.0	49.2	101.9	133.5	151.0	175.6	196.7	214.3
7.0	82.5°	10.5	42.1	84.3	112.4	112.4	140.5	151.0	151.0
3.5	85°	7.0	35.1	66.7	105.4	84.3	105.4	98.3	98.3
3.5	87.5°	7.0	24.6	31.6	45.7	38.6	45.7	45.7	52.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
320341.2
310088.3
295708.2
271482.7
241777.7
209266.2
178131.7
147963.0
122023.4
99227.4
80217.9
50249.5
32346.4
21784.4
14622.4
9631.2
6297.9
4320.3
3140.2
2423.6
1952.9
1643.8
1426.1
1264.5
1124.0
1011.6
923.8
853.5
800.8
748.2
709.5
670.9
607.7
540.9
474.2
396.9
323.1
252.9
193.2
140.5
94.8
52.7
0.0

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