

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: P637020

Luminaire Tested: **IFLD-L-SA7C-722-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637020
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-722-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (112) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32473.9 lumens
Efficiency: N/A
Efficacy: 88.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

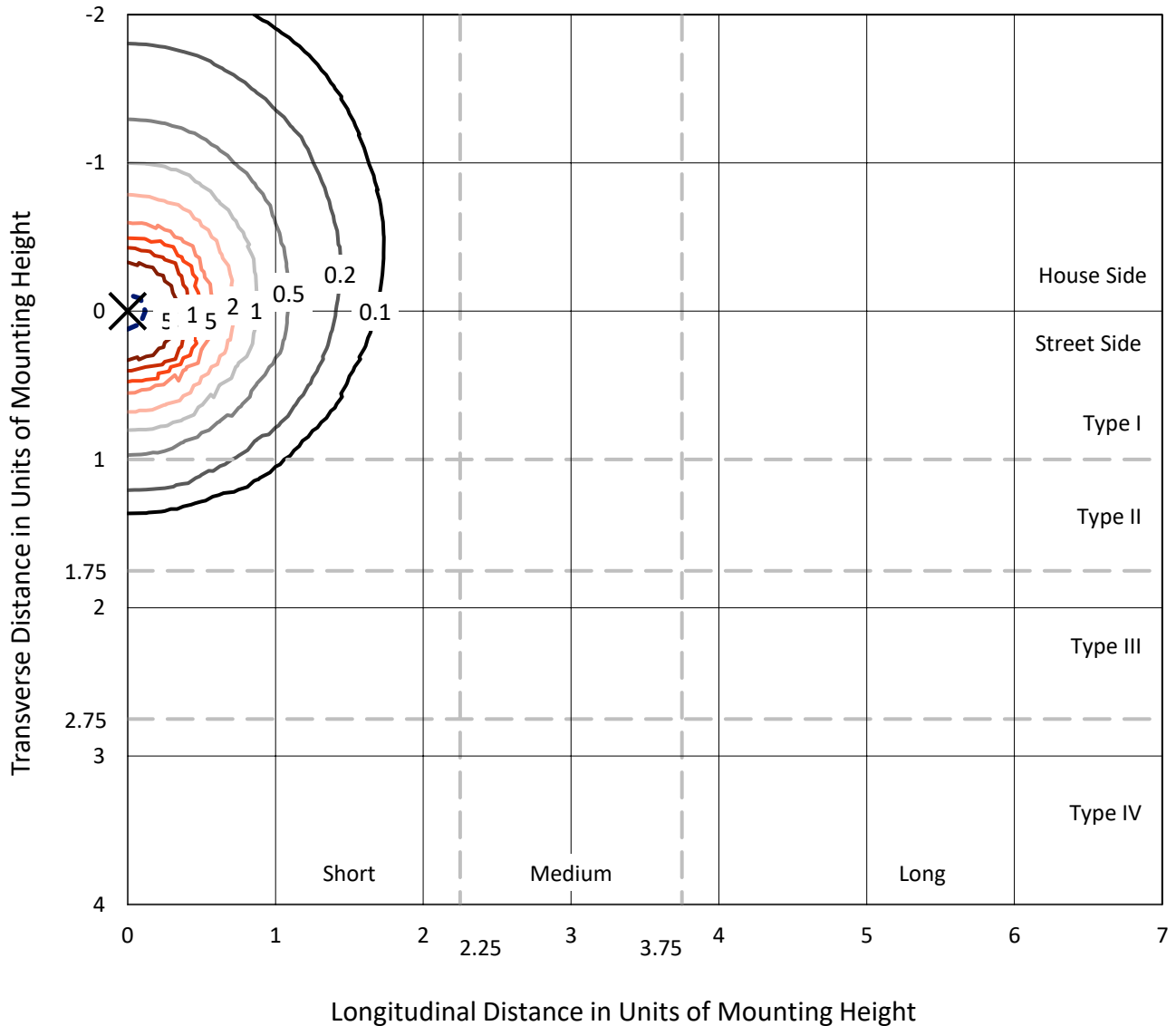
Input Watts (W): 369
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

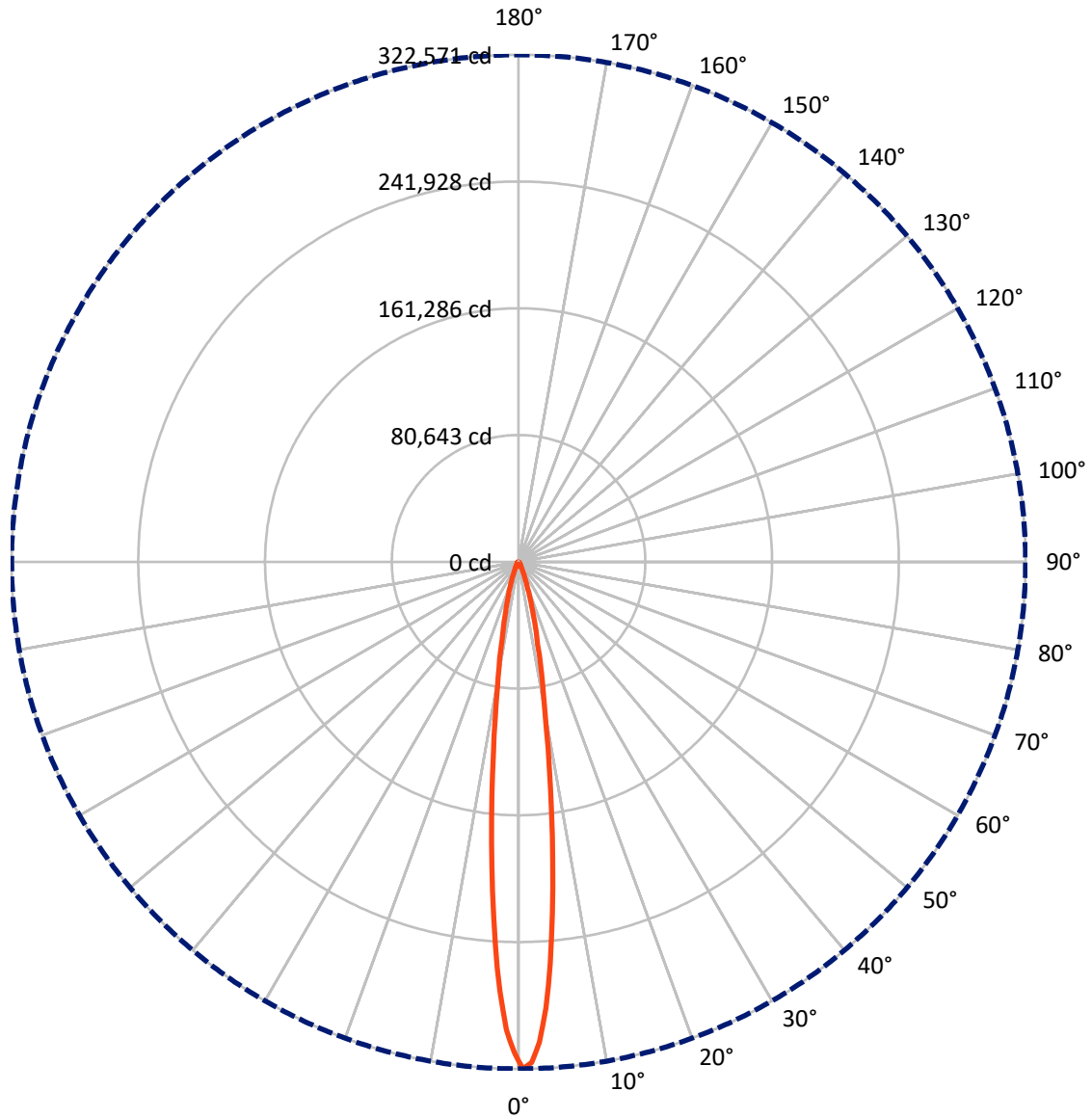
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 806.4 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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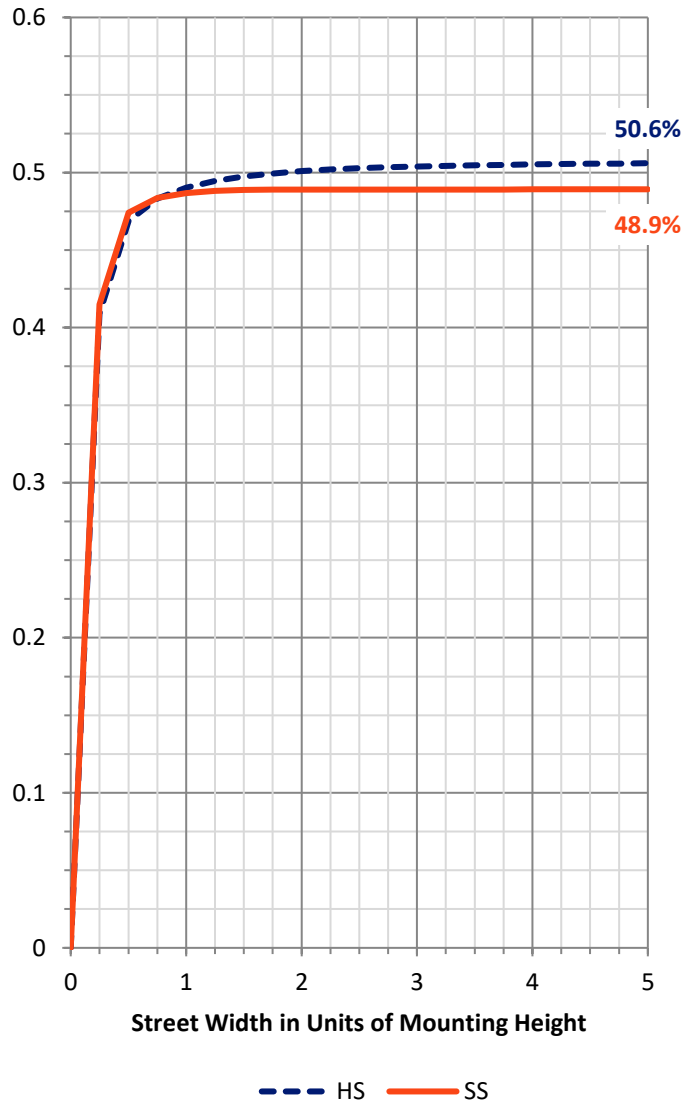
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16632.5	0.0	16632.5
	% Fixture	51.2	0.0	51.2
Street Side	Lumens	15841.4	0.0	15841.4
	% Fixture	48.8	0.0	48.8
Total	Lumens	32473.9	0.0	32473.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16393.8	50.5
10°-20°	10495.2	32.3
20°-30°	3154.7	9.7
30°-40°	1027.2	3.2
40°-50°	597.6	1.8
50°-60°	397.0	1.2
60°-70°	238.9	0.7
70°-80°	122.8	0.4
80°-90°	46.7	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°	32473.9	100.0
0°-180°	32473.9	100.0

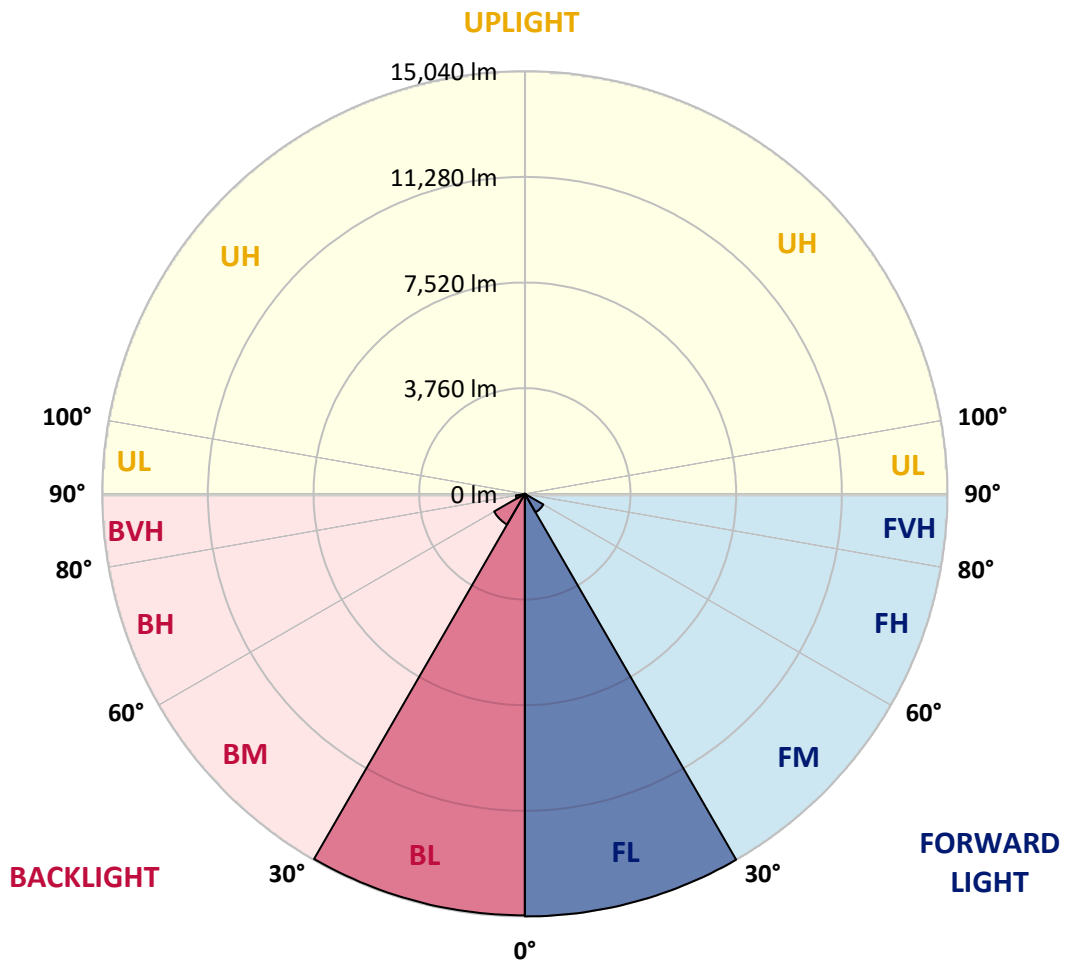


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	15039.7	46.3			
FM (30°-60°)	758.9	2.3			
FH (60°-80°)	35.7	0.1			G0/660
FVH (80°-90°)	7.0	0.0			G0/10
BL (0°-30°)	15004.0	46.2	B5		
BM (30°-60°)	1262.8	3.9	B2/2500		
BH (60°-80°)	326.1	1.0	B1/500		G0/660
BVH (80°-90°)	39.6	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°	322571.3	322571.3	322571.3	322571.3	322571.3	322571.3	322571.3	322571.3	322571.3	322571.3
1°	318708.9	317736.3	315225.1	317011.2	318581.6	318125.3	318093.5	317923.7	317686.8	319547.2
2°	305968.9	305339.4	301625.6	303157.1	305388.9	303761.9	304780.5	303885.7	303903.4	306124.6
3°	284492.7	284835.8	278911.4	281695.0	284796.9	280853.2	282077.0	284376.0	281967.3	281242.3
4°	256579.3	253601.2	250364.9	253194.4	253997.3	251701.9	253958.4	256773.8	253427.9	253576.4
5°	224711.6	222511.6	218681.1	220428.4	218437.1	219162.1	222543.4	223703.5	221369.2	218430.0
6°	191945.5	190382.2	185593.2	188111.5	187404.1	186993.8	191262.9	187725.9	188999.2	187220.1
7°	159660.4	156738.9	154386.9	156799.0	156954.7	155720.3	161262.6	160618.9	158302.2	157764.6
8°	132281.1	129366.6	127375.3	129172.1	130346.4	128408.1	131014.8	132726.7	130915.8	131078.5
9°	106691.4	106178.5	103409.1	105757.6	107034.5	104958.3	107844.4	108463.4	106769.2	107593.3
10°	87602.6	87004.9	84794.3	85745.7	87860.8	85385.0	88154.4	88356.0	87004.9	87390.4
12.5°	54136.2	53895.7	53835.6	53973.5	53945.2	54383.8	55091.2	54284.8	54178.6	52845.2
15°	34990.8	35348.0	34980.2	35687.6	35790.2	36204.0	35772.5	35121.7	33880.2	33264.8
17.5°	21837.0	22293.2	22922.8	23959.1	24995.5	25115.7	24542.7	23778.8	23177.5	22519.6
20°	12563.2	12786.0	12690.5	13932.0	16612.9	17341.6	16602.3	15799.5	15074.4	14409.4
22.5°	7806.0	7724.6	7873.2	8290.6	9164.2	11417.2	10812.4	10009.5	9482.5	8934.3
25°	4785.5	4873.9	4817.3	5047.2	5439.8	6394.8	6532.7	6186.1	5917.3	5634.3
27.5°	3080.7	3080.7	3105.4	3232.8	3501.6	3469.7	4205.4	3936.6	3791.6	3653.6
30°	2139.8	2146.9	2146.9	2221.2	2281.3	2175.2	2366.2	2712.8	2645.6	2539.5
32.5°	1588.1	1609.3	1627.0	1665.9	1616.4	1503.2	1549.2	1952.4	1913.5	1874.6
35°	1209.6	1227.3	1269.8	1291.0	1220.2	1149.5	1107.1	1436.0	1453.7	1443.1
37.5°	880.7	891.3	969.1	1050.5	969.1	905.5	880.7	1103.5	1188.4	1177.8
40°	675.6	679.1	693.2	785.2	785.2	735.7	742.8	824.1	972.7	972.7
42.5°	580.1	580.1	594.2	580.1	583.6	636.6	654.3	664.9	824.1	824.1
45°	502.2	502.2	509.3	473.9	438.6	548.2	562.4	565.9	693.2	710.9
47.5°	420.9	420.9	435.0	389.1	371.4	435.0	473.9	484.6	597.7	611.9
50°	311.2	314.8	357.2	318.3	328.9	336.0	410.3	417.4	505.8	537.6
52.5°	208.7	208.7	215.8	247.6	286.5	275.9	332.5	357.2	403.2	445.7
55°	169.8	169.8	166.2	159.2	212.2	229.9	244.0	297.1	328.9	382.0
57.5°	116.7	123.8	113.2	130.9	137.9	173.3	183.9	233.4	251.1	321.9
60°	14.1	17.7	24.8	95.5	92.0	116.7	137.9	183.9	205.1	247.6
62.5°	3.5	3.5	7.1	17.7	63.7	77.8	109.6	127.3	148.6	191.0
65°	0.0	0.0	3.5	7.1	14.1	42.4	56.6	74.3	106.1	134.4
67.5°	0.0	0.0	3.5	7.1	7.1	17.7	28.3	46.0	56.6	99.0
70°	0.0	0.0	3.5	7.1	7.1	14.1	17.7	21.2	38.9	53.1
72.5°	0.0	0.0	3.5	7.1	10.6	14.1	17.7	17.7	17.7	35.4
75°	0.0	0.0	3.5	7.1	10.6	14.1	17.7	17.7	14.1	14.1
77.5°	0.0	0.0	3.5	7.1	14.1	17.7	21.2	17.7	10.6	10.6
80°	0.0	0.0	3.5	10.6	17.7	24.8	28.3	21.2	10.6	7.1
82.5°	0.0	0.0	7.1	14.1	21.2	28.3	38.9	31.8	14.1	7.1
85°	0.0	0.0	3.5	10.6	21.2	28.3	56.6	38.9	17.7	3.5
87.5°	0.0	0.0	0.0	3.5	3.5	7.1	21.2	14.1	7.1	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°
322571.3	0°	322571.3	322571.3	322571.3	322571.3	322571.3	322571.3	322571.3	322571.3
317400.3	1°	319617.9	319840.8	319112.1	320240.4	319844.3	317524.1	316756.6	315847.6
304819.4	2°	303885.7	305021.0	305077.6	306329.7	306312.0	303606.3	302768.0	304313.6
282713.6	3°	281857.7	283180.5	281988.6	284213.3	283544.8	280262.5	279410.1	281164.5
254750.7	4°	253990.3	253739.1	253328.8	252062.6	253622.4	251383.5	249696.4	252076.8
222327.7	5°	221882.0	221323.2	220523.9	220148.9	221309.0	219876.6	216406.9	219883.7
190438.8	6°	190672.2	188267.1	188150.4	187941.7	188058.4	184047.5	184288.0	186877.1
155914.8	7°	157563.0	158005.1	157103.2	158549.8	157446.3	154729.9	153683.0	156410.0
131793.0	8°	130873.4	130314.5	129624.8	131785.9	129872.4	128089.8	126869.6	129023.6
107727.7	9°	107526.1	106560.5	105860.2	105750.6	106047.7	102701.7	103380.8	105011.4
87602.6	10°	87634.4	86049.9	86435.4	86538.0	86212.6	84019.7	84040.9	84603.3
53729.5	12.5°	53538.5	52760.3	52954.9	53061.0	53722.4	52951.3	51862.0	51076.8
33876.7	15°	33650.3	33091.5	34233.9	35001.4	34845.8	34159.6	33646.8	32935.9
22519.6	17.5°	22310.9	23043.1	23046.6	23746.9	23817.7	23131.5	22735.4	22095.2
14646.4	20°	14593.4	14897.5	15530.6	16025.8	16312.3	15788.8	15314.9	14876.3
9132.3	22.5°	9132.3	9662.9	10059.0	10702.7	10964.5	10582.5	10246.5	9889.2
5701.5	25°	5606.0	5984.5	6313.4	6872.2	7229.5	7045.6	6737.8	6486.7
3681.9	27.5°	3738.5	3897.7	4060.4	4445.9	4817.3	4714.7	4590.9	4438.8
2596.1	30°	2635.0	2649.2	2822.5	3038.2	3285.8	3349.5	3292.9	3215.1
1906.4	32.5°	1941.8	1998.4	2079.7	2214.1	2380.4	2532.4	2504.1	2468.8
1457.2	35°	1499.7	1584.5	1651.7	1754.3	1842.7	1987.8	2012.5	2001.9
1199.0	37.5°	1223.8	1298.1	1365.3	1425.4	1499.7	1598.7	1676.5	1680.0
990.3	40°	1015.1	1082.3	1170.7	1216.7	1269.8	1344.0	1439.5	1446.6
838.3	42.5°	855.9	919.6	1008.0	1064.6	1103.5	1174.3	1269.8	1283.9
718.0	45°	735.7	774.6	866.5	933.7	972.7	1018.6	1121.2	1135.4
619.0	47.5°	640.2	679.1	735.7	831.2	866.5	909.0	990.3	1015.1
548.2	50°	562.4	601.3	650.8	735.7	788.7	824.1	891.3	926.7
477.5	52.5°	498.7	537.6	590.7	657.9	718.0	749.8	813.5	859.5
389.1	55°	417.4	484.6	523.5	583.6	664.9	693.2	742.8	802.9
339.5	57.5°	364.3	420.9	477.5	527.0	608.4	643.7	693.2	749.8
268.8	60°	307.7	360.8	428.0	470.4	548.2	594.2	647.3	700.3
205.1	62.5°	244.0	314.8	360.8	420.9	495.2	555.3	597.7	650.8
159.2	65°	180.4	258.2	311.2	374.9	445.7	509.3	544.7	601.3
113.2	67.5°	130.9	201.6	265.3	325.4	392.6	456.3	491.6	541.1
70.7	70°	102.6	148.6	219.3	272.3	343.1	396.1	435.0	466.9
46.0	72.5°	60.1	113.2	176.8	237.0	300.6	336.0	364.3	392.6
21.2	75°	38.9	88.4	145.0	198.1	244.0	275.9	300.6	325.4
10.6	77.5°	24.8	63.7	116.7	166.2	187.5	226.4	247.6	261.7
7.1	80°	14.1	49.5	102.6	134.4	152.1	176.8	198.1	215.8
7.1	82.5°	10.6	42.4	84.9	113.2	113.2	141.5	152.1	152.1
3.5	85°	7.1	35.4	67.2	106.1	84.9	106.1	99.0	99.0
3.5	87.5°	7.1	24.8	31.8	46.0	38.9	46.0	46.0	53.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
322571.3
312247.0
297766.8
273372.6
243460.8
210723.0
179371.7
148993.0
122872.8
99918.2
80776.3
50599.3
32571.6
21936.0
14724.2
9698.3
6341.7
4350.4
3162.0
2440.5
1966.5
1655.3
1436.0
1273.3
1131.8
1018.6
930.2
859.5
806.4
753.4
714.5
675.6
611.9
544.7
477.5
399.7
325.4
254.7
194.5
141.5
95.5
53.1
0.0

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