

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: P637155

Luminaire Tested: **IFLD-S-SA6C-750-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637155
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-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: 42268.8 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

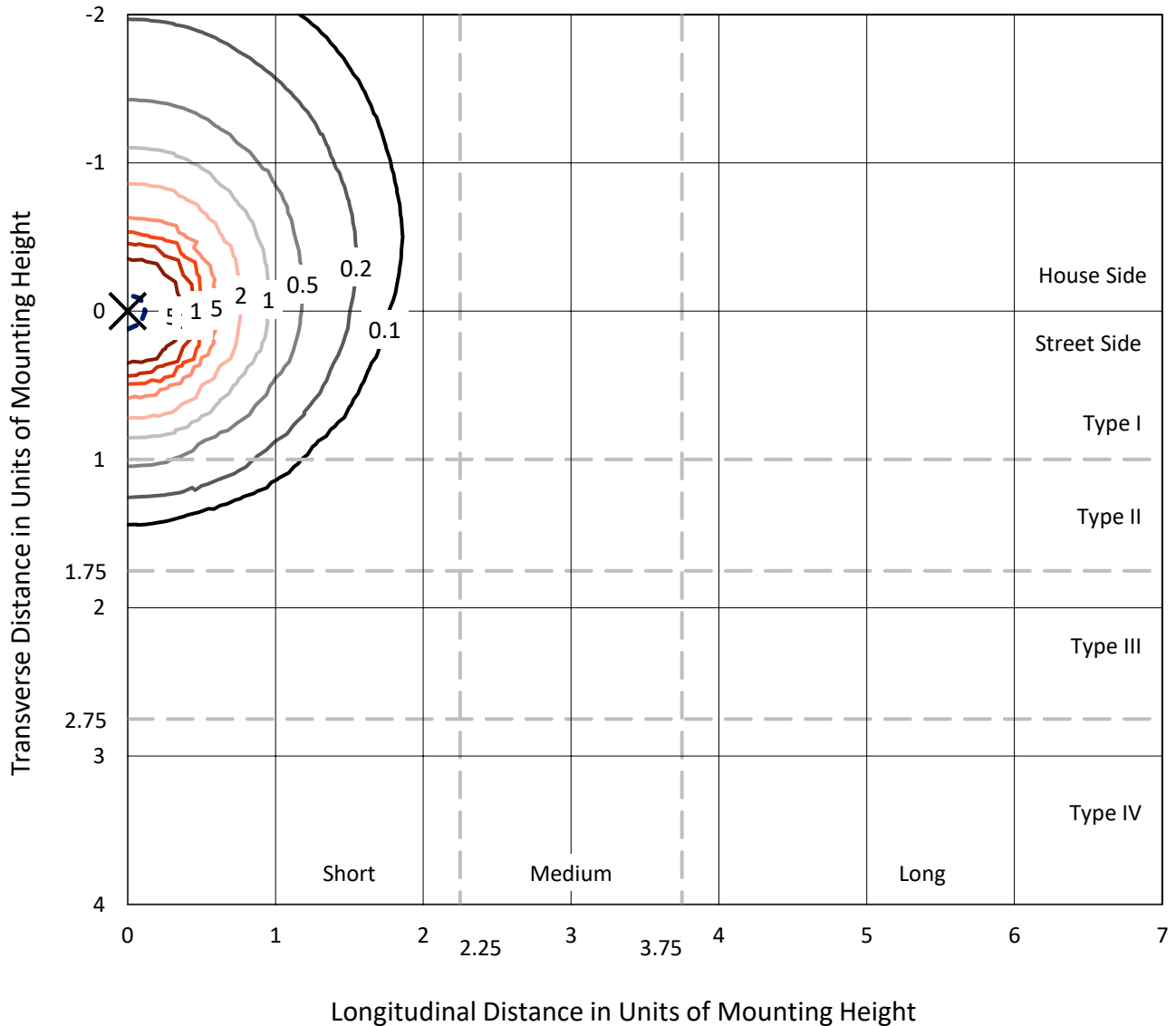
Input Watts (W): 321.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

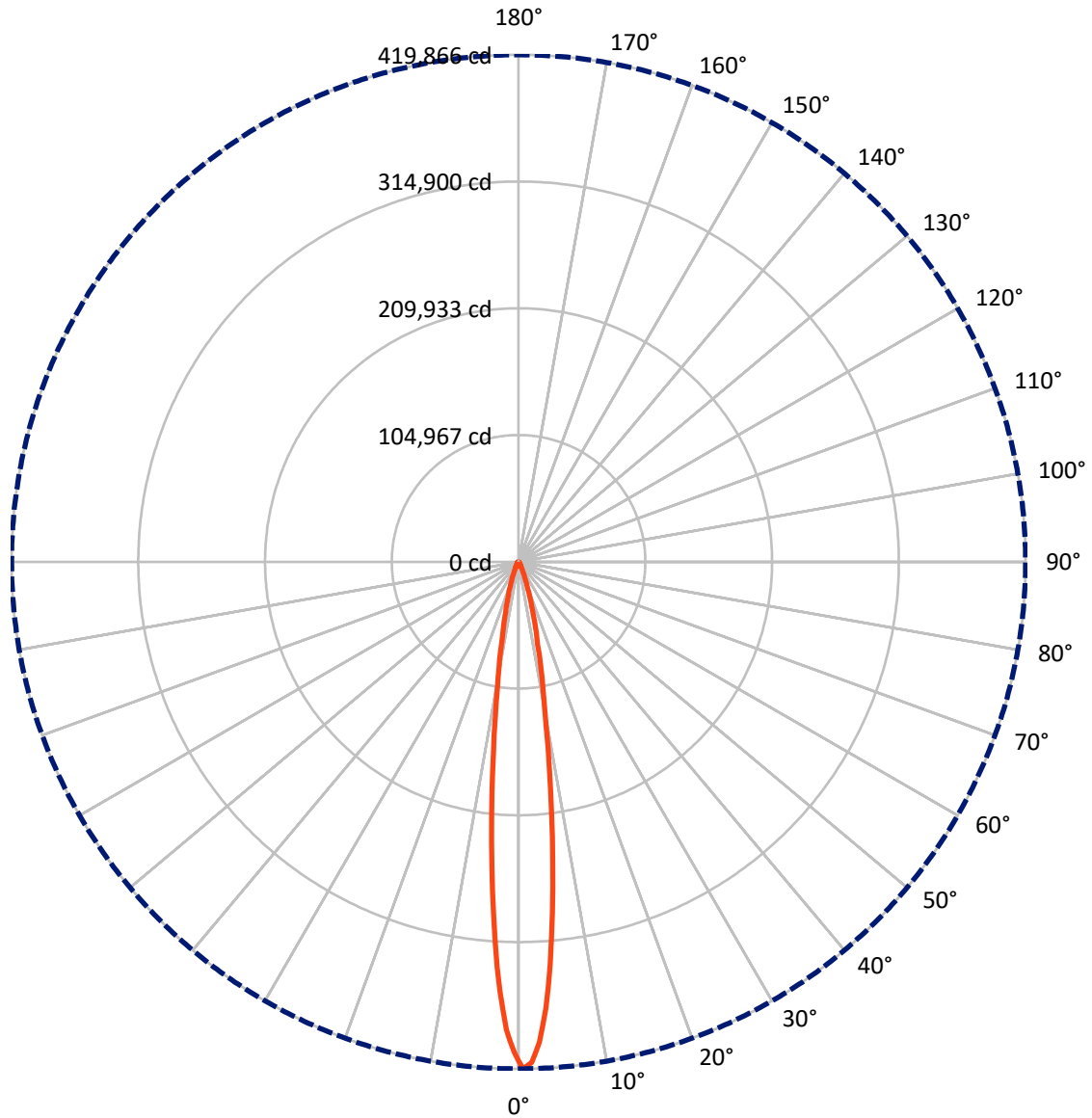
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1049.7 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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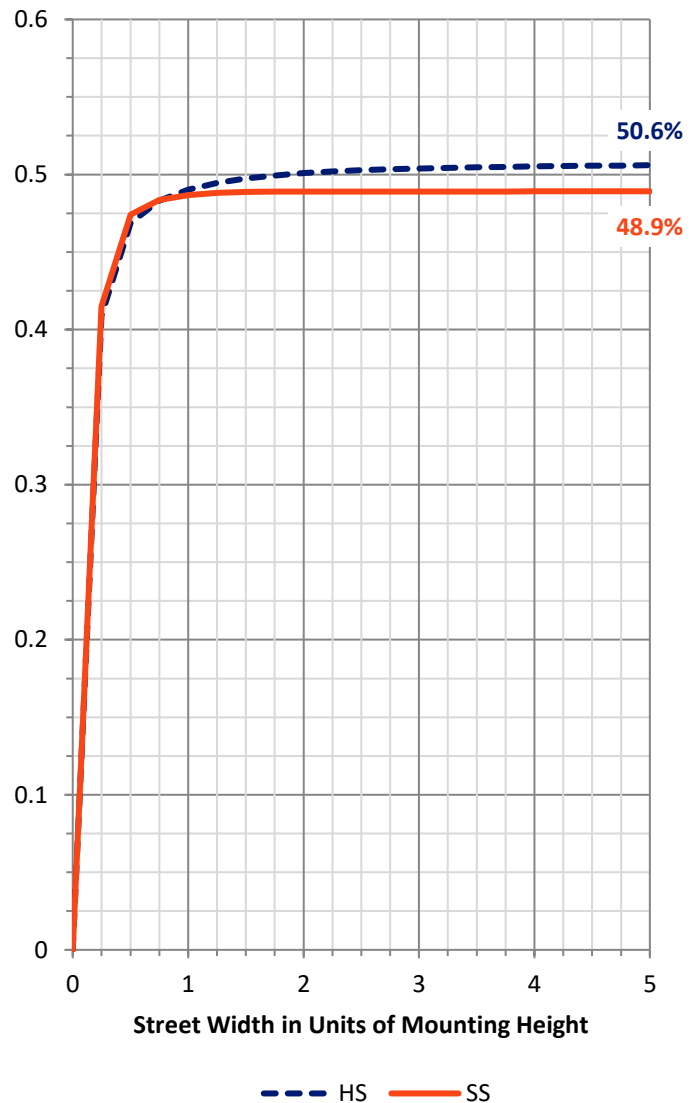
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21649.3	0.0	21649.3
	% Fixture	51.2	0.0	51.2
Street Side	Lumens	20619.5	0.0	20619.5
	% Fixture	48.8	0.0	48.8
Total	Lumens	42268.8	0.0	42268.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21338.6	50.5
10°-20°	13660.9	32.3
20°-30°	4106.2	9.7
30°-40°	1337.0	3.2
40°-50°	777.9	1.8
50°-60°	516.7	1.2
60°-70°	311.0	0.7
70°-80°	159.9	0.4
80°-90°	60.7	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°	42268.8	100.0
0°-180°	42268.8	100.0

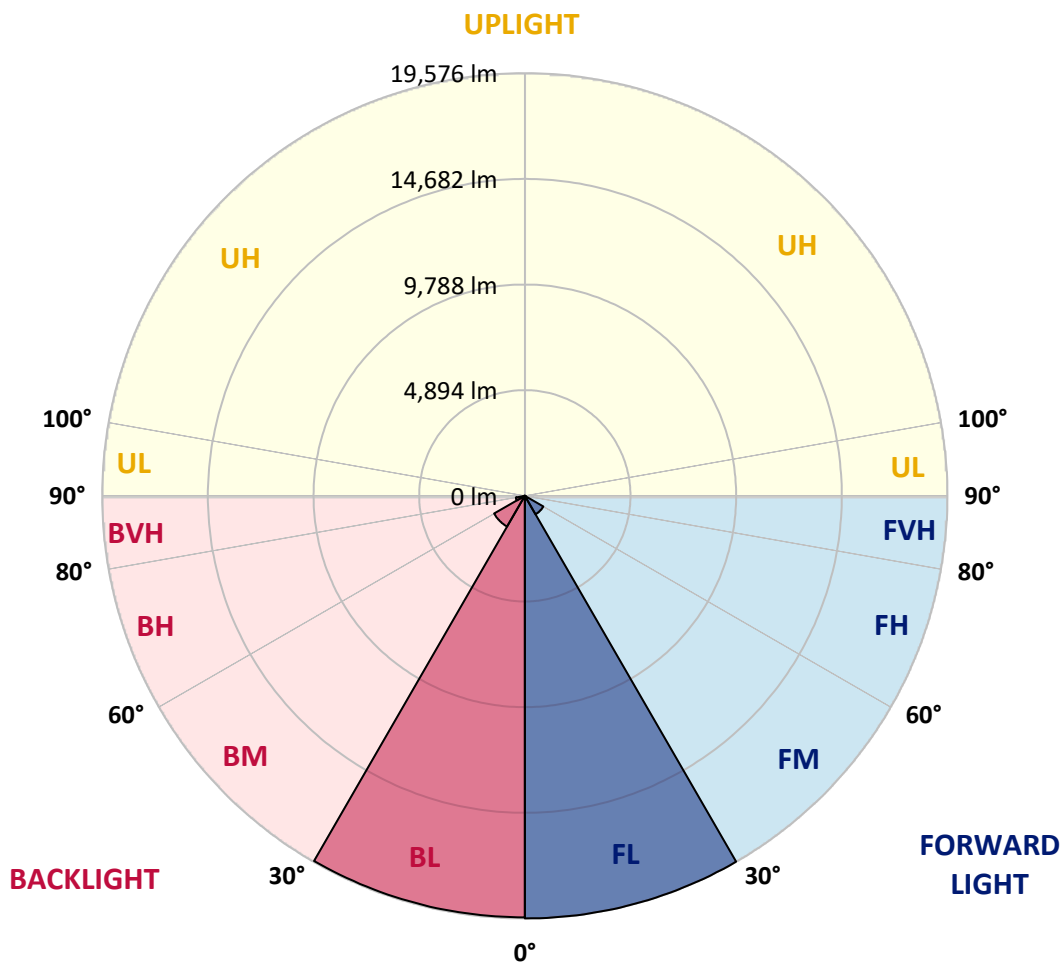


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	19576.0	46.3			
FM (30°-60°)	987.8	2.3			
FH (60°-80°)	46.5	0.1			G0/660
FVH (80°-90°)	9.2	0.0			G0/10
BL (0°-30°)	19529.6	46.2	B5		
BM (30°-60°)	1643.7	3.9	B2/2500		
BH (60°-80°)	424.4	1.0	B1/500		G0/660
BVH (80°-90°)	51.6	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°	419866.3	419866.3	419866.3	419866.3	419866.3	419866.3	419866.3	419866.3	419866.3	419866.3
1°	414839.1	413573.0	410304.4	412629.3	414673.3	414079.4	414038.0	413817.0	413508.6	415930.1
2°	398256.4	397436.9	392603.0	394596.4	397501.3	395383.6	396709.5	395544.8	395567.8	398458.9
3°	370302.4	370749.0	363037.7	366660.8	370698.3	365565.1	367158.0	370150.5	367015.3	366071.6
4°	333969.6	330093.3	325880.8	329563.8	330608.9	327621.1	330558.3	334222.8	329867.7	330061.1
5°	292489.9	289626.3	284640.5	286914.7	284322.8	285266.6	289667.8	291177.8	288139.3	284313.6
6°	249840.8	247805.9	241572.4	244850.3	243929.5	243395.5	248952.2	244348.5	246005.8	243690.1
7°	207817.8	204015.1	200953.6	204093.3	204295.9	202689.2	209903.2	209065.4	206049.9	205350.1
8°	172180.1	168386.7	165794.7	168133.5	169661.9	167139.0	170532.0	172760.2	170403.1	170614.9
9°	138872.0	138204.5	134599.8	137656.6	139318.6	136616.2	140372.9	141178.5	138973.3	140046.0
10°	114025.6	113247.6	110370.2	111608.6	114361.7	111139.1	114743.8	115006.2	113247.6	113749.4
12.5°	70465.0	70151.9	70073.6	70253.2	70216.4	70787.2	71708.0	70658.3	70520.2	68784.6
15°	45544.9	46009.8	45531.1	46451.8	46585.3	47124.0	46562.3	45715.2	44099.3	43298.2
17.5°	28423.5	29017.4	29836.9	31185.8	32534.7	32691.2	31945.4	30951.0	30168.4	29312.1
20°	16352.5	16642.5	16518.2	18134.2	21623.8	22572.2	21610.0	20564.9	19621.2	18755.7
22.5°	10160.5	10054.6	10247.9	10791.2	11928.3	14860.9	14073.7	13028.6	12342.6	11629.1
25°	6228.9	6344.0	6270.3	6569.5	7080.6	8323.6	8503.1	8052.0	7702.1	7333.8
27.5°	4009.9	4009.9	4042.1	4207.8	4557.7	4516.3	5473.9	5124.0	4935.2	4755.7
30°	2785.3	2794.5	2794.5	2891.2	2969.4	2831.3	3079.9	3531.1	3443.6	3305.5
32.5°	2067.1	2094.7	2117.7	2168.4	2103.9	1956.6	2016.4	2541.3	2490.6	2440.0
35°	1574.5	1597.5	1652.7	1680.4	1588.3	1496.2	1441.0	1869.1	1892.1	1878.3
37.5°	1146.3	1160.1	1261.4	1367.3	1261.4	1178.6	1146.3	1436.4	1546.9	1533.0
40°	879.3	883.9	902.3	1022.0	1022.0	957.6	966.8	1072.7	1266.0	1266.0
42.5°	755.0	755.0	773.4	755.0	759.6	828.7	851.7	865.5	1072.7	1072.7
45°	653.7	653.7	662.9	616.9	570.9	713.6	732.0	736.6	902.3	925.4
47.5°	547.8	547.8	566.3	506.4	483.4	566.3	616.9	630.7	778.0	796.4
50°	405.1	409.7	465.0	414.3	428.1	437.4	534.0	543.2	658.3	699.8
52.5°	271.6	271.6	280.8	322.3	372.9	359.1	432.8	465.0	524.8	580.1
55°	221.0	221.0	216.4	207.2	276.2	299.2	317.7	386.7	428.1	497.2
57.5°	151.9	161.1	147.3	170.3	179.5	225.6	239.4	303.8	326.9	418.9
60°	18.4	23.0	32.2	124.3	119.7	151.9	179.5	239.4	267.0	322.3
62.5°	4.6	4.6	9.2	23.0	82.9	101.3	142.7	165.7	193.4	248.6
65°	0.0	0.0	4.6	9.2	18.4	55.2	73.7	96.7	138.1	174.9
67.5°	0.0	0.0	4.6	9.2	9.2	23.0	36.8	59.8	73.7	128.9
70°	0.0	0.0	4.6	9.2	9.2	18.4	23.0	27.6	50.6	69.1
72.5°	0.0	0.0	4.6	9.2	13.8	18.4	23.0	23.0	23.0	46.0
75°	0.0	0.0	4.6	9.2	13.8	18.4	23.0	23.0	18.4	18.4
77.5°	0.0	0.0	4.6	9.2	18.4	23.0	27.6	23.0	13.8	13.8
80°	0.0	0.0	4.6	13.8	23.0	32.2	36.8	27.6	13.8	9.2
82.5°	0.0	0.0	9.2	18.4	27.6	36.8	50.6	41.4	18.4	9.2
85°	0.0	0.0	4.6	13.8	27.6	36.8	73.7	50.6	23.0	4.6
87.5°	0.0	0.0	0.0	4.6	4.6	9.2	27.6	18.4	9.2	4.6
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°
419866.3	0°	419866.3	419866.3	419866.3	419866.3	419866.3	419866.3	419866.3	419866.3
413135.7	1°	416022.2	416312.3	415363.9	416832.5	416316.9	413296.8	412297.8	411114.6
396760.1	2°	395544.8	397022.6	397096.2	398725.9	398702.9	395181.1	394090.0	396101.8
367986.7	3°	366872.6	368594.4	367043.0	369938.7	369068.6	364796.3	363686.8	365970.3
331589.5	4°	330599.7	330272.8	329738.8	328090.6	330120.9	327206.7	325010.7	328109.1
289386.9	5°	288806.9	288079.5	287039.0	286551.0	288061.1	286196.5	281680.3	286205.8
247879.6	6°	248183.4	245052.9	244900.9	244629.3	244781.2	239560.6	239873.6	243243.6
202942.4	7°	205087.7	205663.2	204489.2	206372.2	204935.8	201400.1	200037.4	203586.9
171544.8	8°	170347.9	169620.5	168722.7	171535.6	169045.0	166724.7	165136.4	167940.1
140220.9	9°	139958.5	138701.7	137790.2	137647.4	138034.2	133679.0	134562.9	136685.3
114025.6	10°	114067.0	112004.6	112506.4	112639.9	112216.3	109362.0	109389.6	110121.6
69935.5	12.5°	69686.9	68674.1	68927.3	69065.4	69926.3	68922.7	67504.7	66482.7
44094.7	15°	43800.1	43072.7	44559.7	45558.7	45356.1	44463.0	43795.4	42870.1
29312.1	17.5°	29040.4	29993.4	29998.0	30909.6	31001.6	30108.5	29592.9	28759.6
19064.1	20°	18995.1	19391.0	20215.1	20859.6	21232.5	20551.1	19934.2	19363.4
11886.9	22.5°	11886.9	12577.4	13093.1	13930.9	14271.6	13774.4	13337.1	12872.1
7421.2	25°	7296.9	7789.5	8217.7	8945.1	9410.1	9170.7	8770.1	8443.3
4792.5	27.5°	4866.2	5073.3	5285.1	5786.9	6270.3	6136.8	5975.7	5777.7
3379.2	30°	3429.8	3448.2	3673.8	3954.6	4276.9	4359.7	4286.1	4184.8
2481.4	32.5°	2527.5	2601.1	2707.0	2881.9	3098.3	3296.3	3259.5	3213.4
1896.7	35°	1952.0	2062.5	2149.9	2283.5	2398.6	2587.3	2619.5	2605.7
1560.7	37.5°	1592.9	1689.6	1777.0	1855.3	1952.0	2080.9	2182.2	2186.8
1289.0	40°	1321.3	1408.7	1523.8	1583.7	1652.7	1749.4	1873.7	1882.9
1091.1	42.5°	1114.1	1197.0	1312.1	1385.7	1436.4	1528.4	1652.7	1671.2
934.6	45°	957.6	1008.2	1127.9	1215.4	1266.0	1325.9	1459.4	1477.8
805.7	47.5°	833.3	883.9	957.6	1081.9	1127.9	1183.2	1289.0	1321.3
713.6	50°	732.0	782.6	847.1	957.6	1026.6	1072.7	1160.1	1206.2
621.5	52.5°	649.1	699.8	768.8	856.3	934.6	976.0	1058.9	1118.7
506.4	55°	543.2	630.7	681.4	759.6	865.5	902.3	966.8	1045.1
442.0	57.5°	474.2	547.8	621.5	686.0	791.8	837.9	902.3	976.0
349.9	60°	400.5	469.6	557.1	612.3	713.6	773.4	842.5	911.5
267.0	62.5°	317.7	409.7	469.6	547.8	644.5	722.8	778.0	847.1
207.2	65°	234.8	336.1	405.1	488.0	580.1	662.9	709.0	782.6
147.3	67.5°	170.3	262.4	345.3	423.5	511.0	593.9	639.9	704.4
92.1	70°	133.5	193.4	285.4	354.5	446.6	515.6	566.3	607.7
59.8	72.5°	78.3	147.3	230.2	308.5	391.3	437.4	474.2	511.0
27.6	75°	50.6	115.1	188.8	257.8	317.7	359.1	391.3	423.5
13.8	77.5°	32.2	82.9	151.9	216.4	244.0	294.6	322.3	340.7
9.2	80°	18.4	64.5	133.5	174.9	198.0	230.2	257.8	280.8
9.2	82.5°	13.8	55.2	110.5	147.3	147.3	184.1	198.0	198.0
4.6	85°	9.2	46.0	87.5	138.1	110.5	138.1	128.9	128.9
4.6	87.5°	9.2	32.2	41.4	59.8	50.6	59.8	59.8	69.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
419866.3
406428.0
387580.3
355828.2
316894.3
274282.1
233474.4
193932.9
159934.2
130055.9
105140.4
65861.2
42395.9
28552.4
19165.4
12623.5
8254.5
5662.6
4115.7
3176.6
2559.7
2154.6
1869.1
1657.3
1473.2
1325.9
1210.8
1118.7
1049.7
980.6
930.0
879.3
796.4
709.0
621.5
520.2
423.5
331.5
253.2
184.1
124.3
69.1
0.0

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