

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: P637067

Luminaire Tested: **IFLD-S-SA6B-730-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637067
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-730-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (96) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30227.8 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

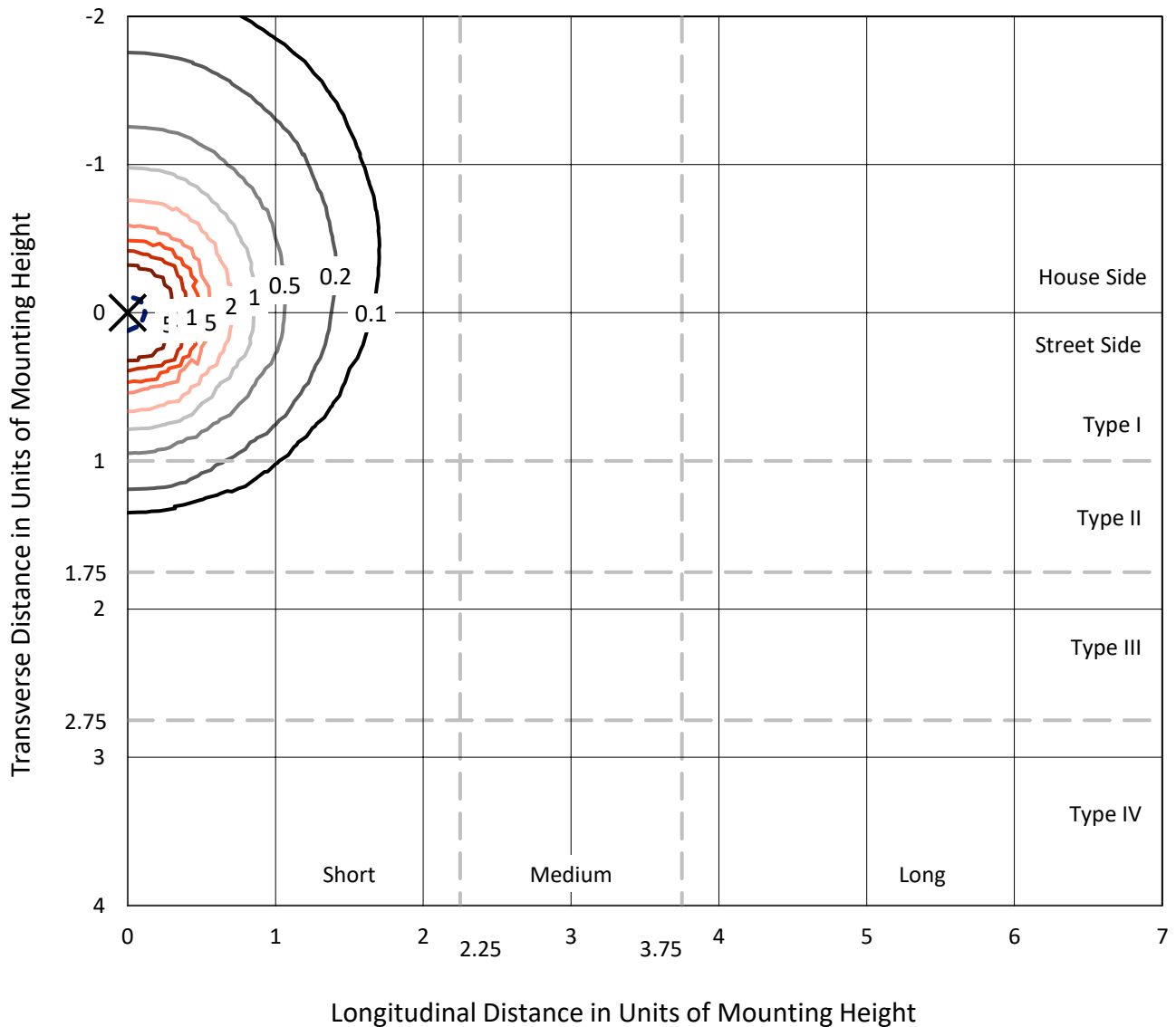
Input Watts (W): 244.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

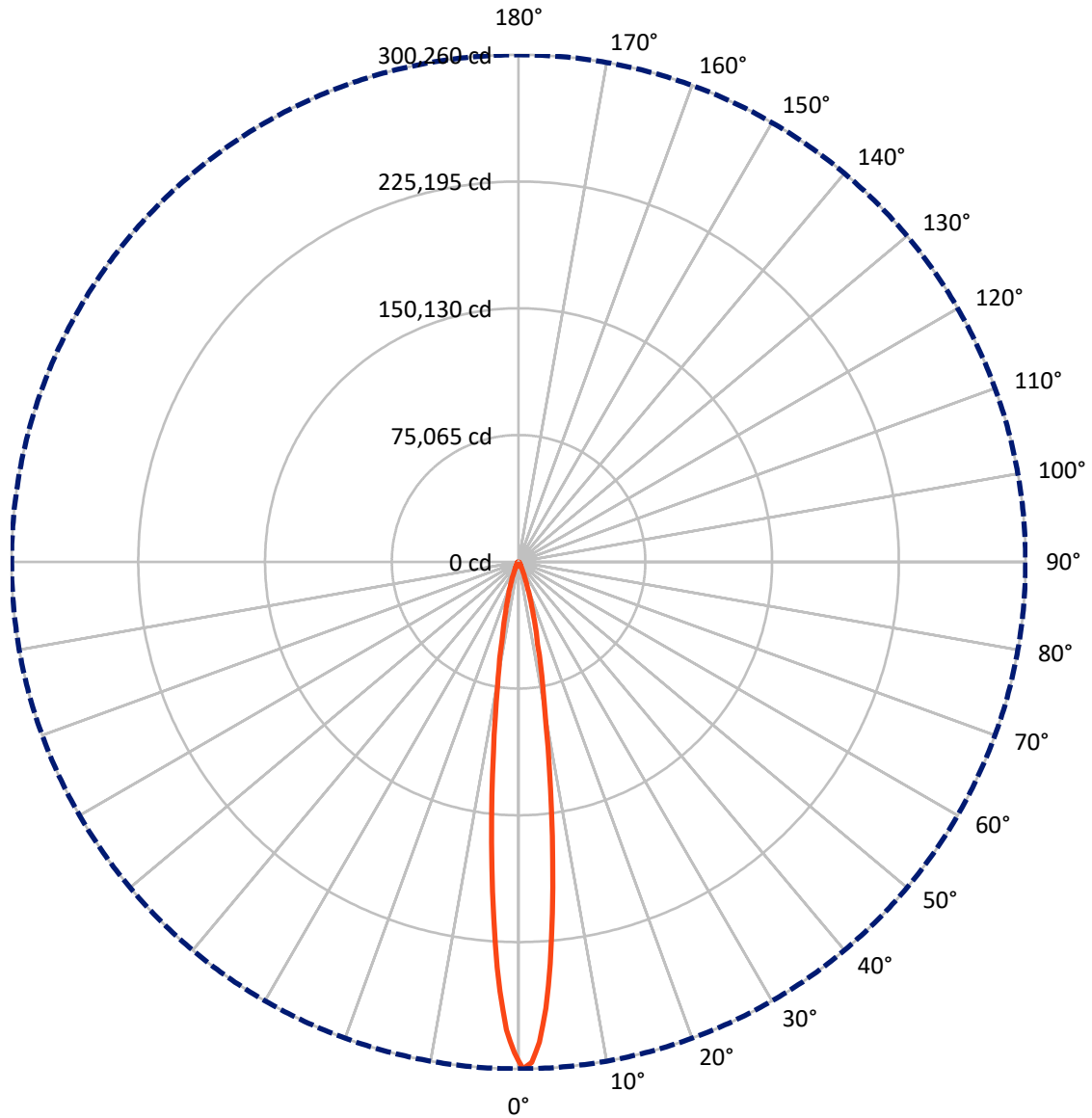
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 750.7 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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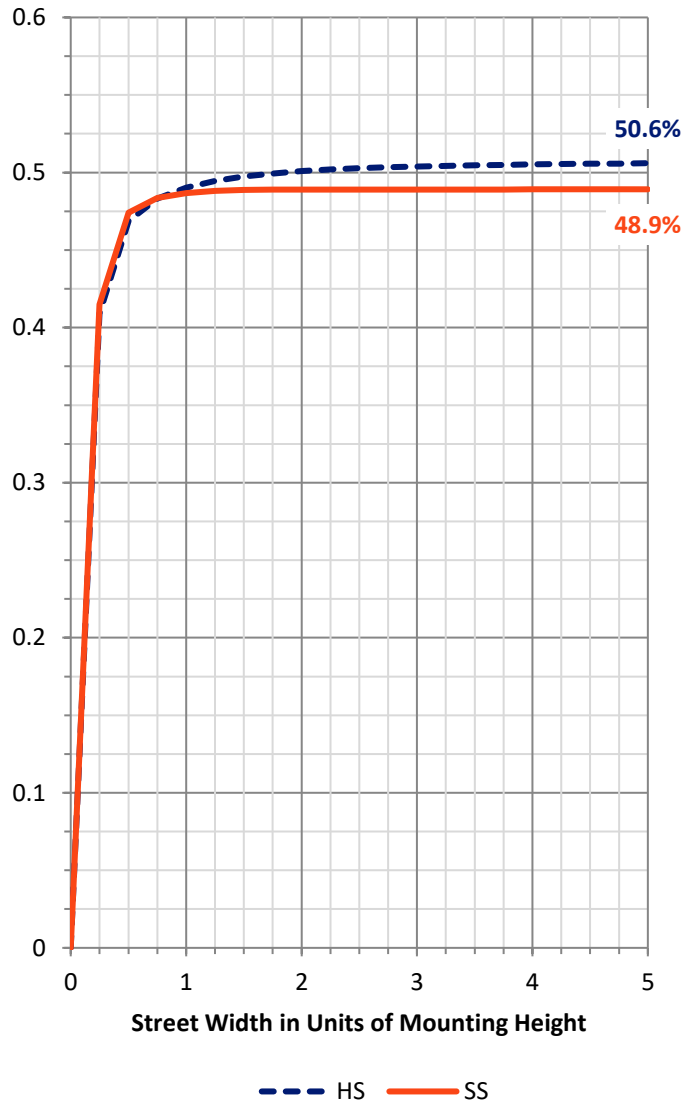
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15482.1	0.0	15482.1
	% Fixture	51.2	0.0	51.2
Street Side	Lumens	14745.7	0.0	14745.7
	% Fixture	48.8	0.0	48.8
Total	Lumens	30227.8	0.0	30227.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15259.9	50.5
10°-20°	9769.3	32.3
20°-30°	2936.5	9.7
30°-40°	956.1	3.2
40°-50°	556.3	1.8
50°-60°	369.5	1.2
60°-70°	222.4	0.7
70°-80°	114.3	0.4
80°-90°	43.4	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°	30227.8	100.0
0°-180°	30227.8	100.0

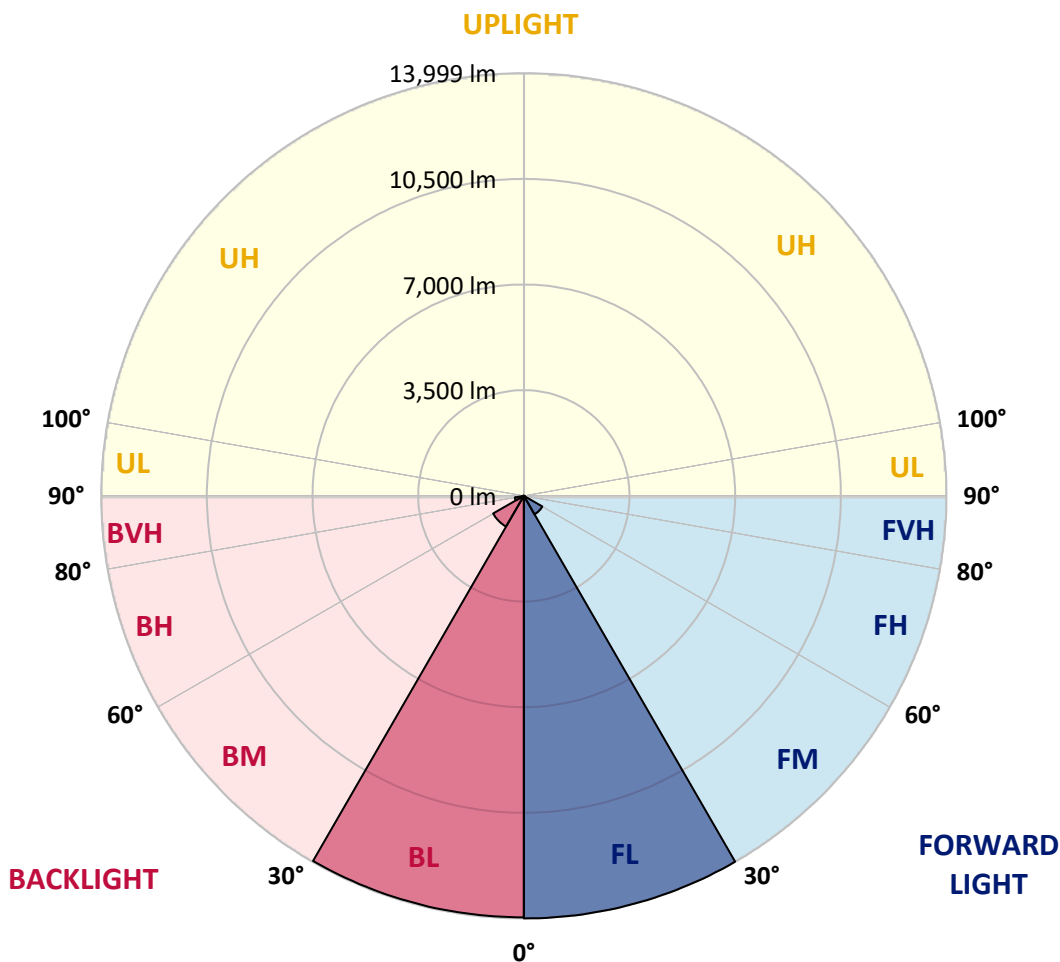


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	13999.4	46.3			
FM (30°-60°)	706.4	2.3			
FH (60°-80°)	33.3	0.1			G0/660
FVH (80°-90°)	6.6	0.0			G0/10
BL (0°-30°)	13966.3	46.2	B5		
BM (30°-60°)	1175.5	3.9	B2/2500		
BH (60°-80°)	303.5	1.0	B1/500		G0/660
BVH (80°-90°)	36.9	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°	300260.1	300260.1	300260.1	300260.1	300260.1	300260.1	300260.1	300260.1	300260.1	300260.1
1°	296664.9	295759.5	293422.0	295084.6	296546.4	296121.7	296092.0	295934.0	295713.4	297445.2
2°	284806.1	284220.0	280763.1	282188.7	284266.1	282751.7	283699.9	282866.9	282883.4	284950.9
3°	264815.3	265134.6	259620.1	262211.1	265098.4	261427.5	262566.7	264706.6	262464.6	261789.7
4°	238832.5	236060.4	233048.0	235681.8	236429.2	234292.5	236393.0	239013.6	235899.1	236037.4
5°	209169.0	207121.2	203555.7	205182.1	203328.5	204003.4	207150.8	208230.7	206057.8	203321.9
6°	178669.3	177214.1	172756.3	175100.4	174442.0	174060.0	178033.8	174741.5	175926.8	174270.8
7°	148617.2	145897.8	143708.4	145953.8	146098.6	144949.6	150108.6	149509.4	147353.0	146852.6
8°	123131.6	120418.8	118565.2	120237.7	121330.7	119526.6	121953.0	123546.5	121860.8	122012.2
9°	99311.9	98834.5	96256.7	98442.7	99631.3	97698.7	100385.2	100961.3	99384.3	100151.4
10°	81543.4	80987.0	78929.3	79815.0	81783.8	79479.2	82057.0	82244.7	80987.0	81345.9
12.5°	50391.8	50167.9	50111.9	50240.3	50214.0	50622.2	51280.7	50530.1	50431.3	49190.1
15°	32570.6	32903.1	32560.7	33219.2	33314.7	33699.9	33298.2	32692.4	31536.8	30964.0
17.5°	20326.6	20751.3	21337.3	22302.0	23266.6	23378.5	22845.2	22134.1	21574.4	20962.0
20°	11694.2	11901.6	11812.7	12968.3	15463.9	16142.1	15454.0	14706.7	14031.7	13412.8
22.5°	7266.1	7190.4	7328.6	7717.1	8530.3	10627.5	10064.5	9317.2	8826.6	8316.3
25°	4454.5	4536.8	4484.1	4698.1	5063.5	5952.5	6080.9	5758.2	5508.0	5244.6
27.5°	2867.6	2867.6	2890.6	3009.2	3259.4	3229.7	3914.5	3664.3	3529.3	3400.9
30°	1991.8	1998.4	1998.4	2067.6	2123.5	2024.8	2202.5	2525.2	2462.6	2363.9
32.5°	1478.2	1498.0	1514.5	1550.7	1504.6	1399.2	1442.0	1817.3	1781.1	1744.9
35°	1126.0	1142.4	1181.9	1201.7	1135.8	1070.0	1030.5	1336.7	1353.1	1343.3
37.5°	819.8	829.7	902.1	977.8	902.1	842.8	819.8	1027.2	1106.2	1096.3
40°	628.8	632.1	645.3	730.9	730.9	684.8	691.4	767.1	905.4	905.4
42.5°	539.9	539.9	553.1	539.9	543.2	592.6	609.1	619.0	767.1	767.1
45°	467.5	467.5	474.1	441.2	408.2	510.3	523.5	526.8	645.3	661.8
47.5°	391.8	391.8	405.0	362.2	345.7	405.0	441.2	451.0	556.4	569.6
50°	289.7	293.0	332.5	296.3	306.2	312.8	381.9	388.5	470.8	500.4
52.5°	194.2	194.2	200.8	230.5	266.7	256.8	309.5	332.5	375.3	414.8
55°	158.0	158.0	154.7	148.2	197.5	214.0	227.2	276.6	306.2	355.6
57.5°	108.6	115.2	105.4	121.8	128.4	161.3	171.2	217.3	233.8	299.6
60°	13.2	16.5	23.0	88.9	85.6	108.6	128.4	171.2	191.0	230.5
62.5°	3.3	3.3	6.6	16.5	59.3	72.4	102.1	118.5	138.3	177.8
65°	0.0	0.0	3.3	6.6	13.2	39.5	52.7	69.1	98.8	125.1
67.5°	0.0	0.0	3.3	6.6	6.6	16.5	26.3	42.8	52.7	92.2
70°	0.0	0.0	3.3	6.6	6.6	13.2	16.5	19.8	36.2	49.4
72.5°	0.0	0.0	3.3	6.6	9.9	13.2	16.5	16.5	16.5	32.9
75°	0.0	0.0	3.3	6.6	9.9	13.2	16.5	16.5	13.2	13.2
77.5°	0.0	0.0	3.3	6.6	13.2	16.5	19.8	16.5	9.9	9.9
80°	0.0	0.0	3.3	9.9	16.5	23.0	26.3	19.8	9.9	6.6
82.5°	0.0	0.0	6.6	13.2	19.8	26.3	36.2	29.6	13.2	6.6
85°	0.0	0.0	3.3	9.9	19.8	26.3	52.7	36.2	16.5	3.3
87.5°	0.0	0.0	0.0	3.3	3.3	6.6	19.8	13.2	6.6	3.3
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°
300260.1	0°	300260.1	300260.1	300260.1	300260.1	300260.1	300260.1	300260.1	300260.1
295446.8	1°	297511.0	297718.4	297040.2	298090.5	297721.7	295562.0	294847.6	294001.4
283736.1	2°	282866.9	283923.7	283976.4	285141.9	285125.4	282606.8	281826.6	283265.3
263159.3	3°	262362.5	263593.9	262484.4	264555.2	263933.0	260877.7	260084.3	261717.2
237130.4	4°	236422.6	236188.8	235806.9	234628.3	236080.2	233996.2	232425.8	234641.5
206950.0	5°	206535.2	206015.0	205270.9	204922.0	206001.8	204668.5	201438.7	204675.0
177266.7	6°	177484.0	175245.3	175136.6	174942.4	175051.0	171317.6	171541.4	173951.4
145130.7	7°	146664.9	147076.4	146236.9	147583.5	146556.3	144027.8	143053.3	145591.6
122677.3	8°	121821.3	121301.1	120659.1	122670.7	120889.6	119230.3	118094.4	120099.4
100276.5	9°	100088.9	99190.1	98538.2	98436.2	98712.7	95598.2	96230.3	97748.1
81543.4	10°	81573.1	80098.1	80457.0	80552.4	80249.6	78208.3	78228.1	78751.6
50013.2	12.5°	49835.4	49111.1	49292.2	49390.9	50006.6	49288.9	48274.8	47544.0
31533.5	15°	31322.8	30802.7	31866.1	32580.5	32435.6	31796.9	31319.5	30657.8
20962.0	17.5°	20767.8	21449.3	21452.6	22104.4	22170.3	21531.6	21162.8	20566.9
13633.4	20°	13584.0	13867.1	14456.4	14917.4	15184.0	14696.8	14255.6	13847.4
8500.7	22.5°	8500.7	8994.5	9363.3	9962.5	10206.1	9850.5	9537.8	9205.2
5307.2	25°	5218.3	5570.6	5876.7	6396.9	6729.4	6558.2	6271.8	6038.1
3427.3	27.5°	3479.9	3628.1	3779.5	4138.4	4484.1	4388.6	4273.4	4131.8
2416.5	30°	2452.8	2465.9	2627.2	2828.1	3058.5	3117.8	3065.1	2992.7
1774.5	32.5°	1807.5	1860.1	1935.9	2061.0	2215.7	2357.3	2330.9	2298.0
1356.4	35°	1395.9	1474.9	1537.5	1633.0	1715.3	1850.3	1873.3	1863.4
1116.1	37.5°	1139.1	1208.3	1270.8	1326.8	1395.9	1488.1	1560.5	1563.8
921.8	40°	944.9	1007.4	1089.7	1132.5	1181.9	1251.1	1340.0	1346.5
780.3	42.5°	796.7	856.0	938.3	991.0	1027.2	1093.0	1181.9	1195.1
668.3	45°	684.8	721.0	806.6	869.2	905.4	948.2	1043.7	1056.8
576.2	47.5°	595.9	632.1	684.8	773.7	806.6	846.1	921.8	944.9
510.3	50°	523.5	559.7	605.8	684.8	734.2	767.1	829.7	862.6
444.5	52.5°	464.2	500.4	549.8	612.4	668.3	698.0	757.2	800.0
362.2	55°	388.5	451.0	487.3	543.2	619.0	645.3	691.4	747.3
316.1	57.5°	339.1	391.8	444.5	490.6	566.3	599.2	645.3	698.0
250.2	60°	286.4	335.8	398.4	437.9	510.3	553.1	602.5	651.9
191.0	62.5°	227.2	293.0	335.8	391.8	460.9	516.9	556.4	605.8
148.2	65°	167.9	240.3	289.7	349.0	414.8	474.1	507.0	559.7
105.4	67.5°	121.8	187.7	246.9	302.9	365.4	424.7	457.6	503.7
65.8	70°	95.5	138.3	204.1	253.5	319.4	368.7	405.0	434.6
42.8	72.5°	56.0	105.4	164.6	220.6	279.8	312.8	339.1	365.4
19.8	75°	36.2	82.3	135.0	184.4	227.2	256.8	279.8	302.9
9.9	77.5°	23.0	59.3	108.6	154.7	174.5	210.7	230.5	243.6
6.6	80°	13.2	46.1	95.5	125.1	141.6	164.6	184.4	200.8
6.6	82.5°	9.9	39.5	79.0	105.4	105.4	131.7	141.6	141.6
3.3	85°	6.6	32.9	62.6	98.8	79.0	98.8	92.2	92.2
3.3	87.5°	6.6	23.0	29.6	42.8	36.2	42.8	42.8	49.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
300260.1
290649.9
277171.3
254464.3
226621.4
196148.0
166965.2
138687.7
114374.1
93007.2
75189.3
47099.5
30318.7
20418.8
13705.8
9027.5
5903.1
4049.5
2943.3
2271.7
1830.5
1540.8
1336.7
1185.2
1053.5
948.2
865.9
800.0
750.6
701.3
665.0
628.8
569.6
507.0
444.5
372.0
302.9
237.0
181.1
131.7
88.9
49.4
0.0

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