

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: P637241

Luminaire Tested: **IFLD-S-SA6B-830-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P637241  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6B-830-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (96) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26377.1 lumens  
Efficiency: N/A  
Efficacy: 107.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

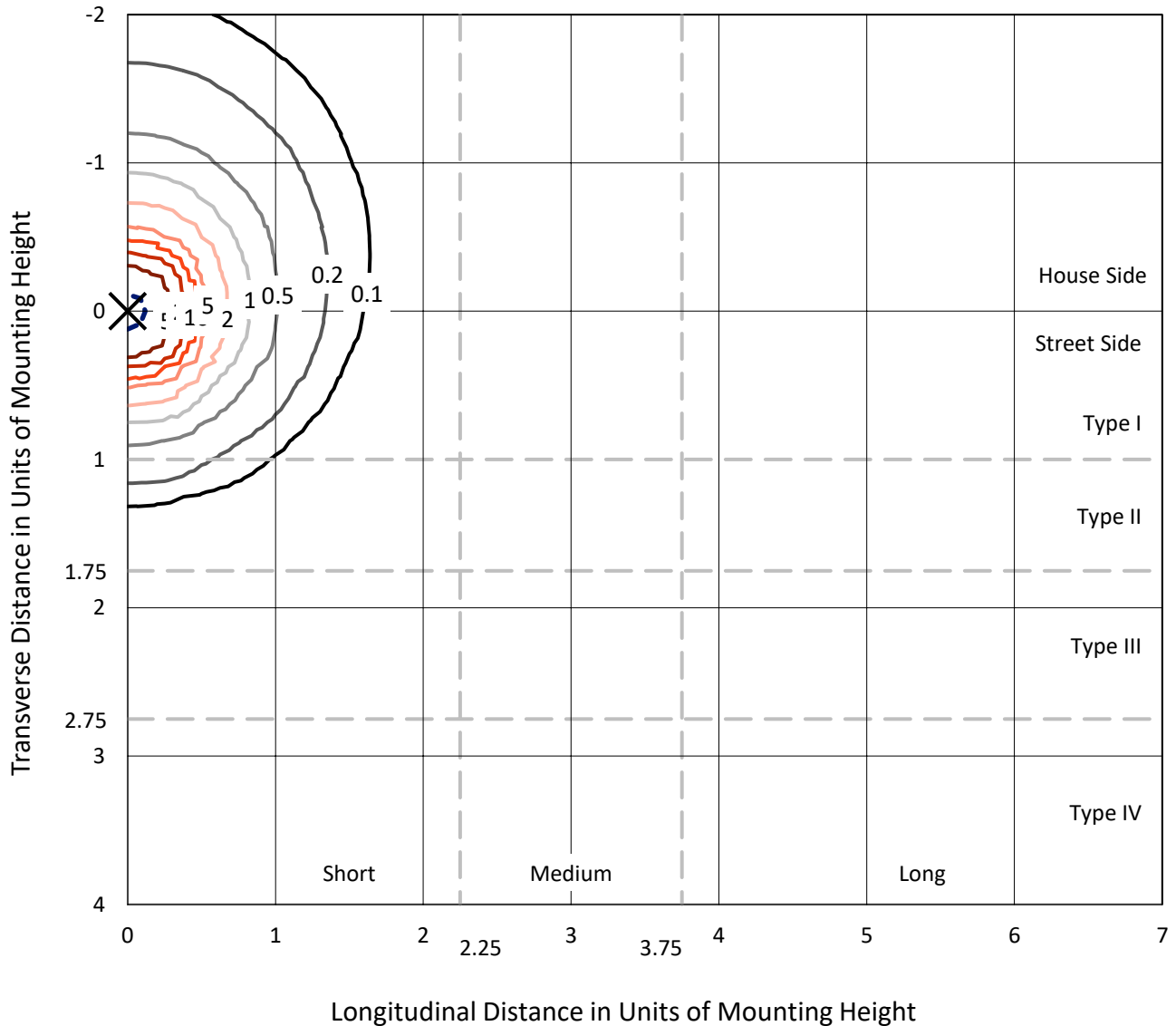
Input Watts (W): 244.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

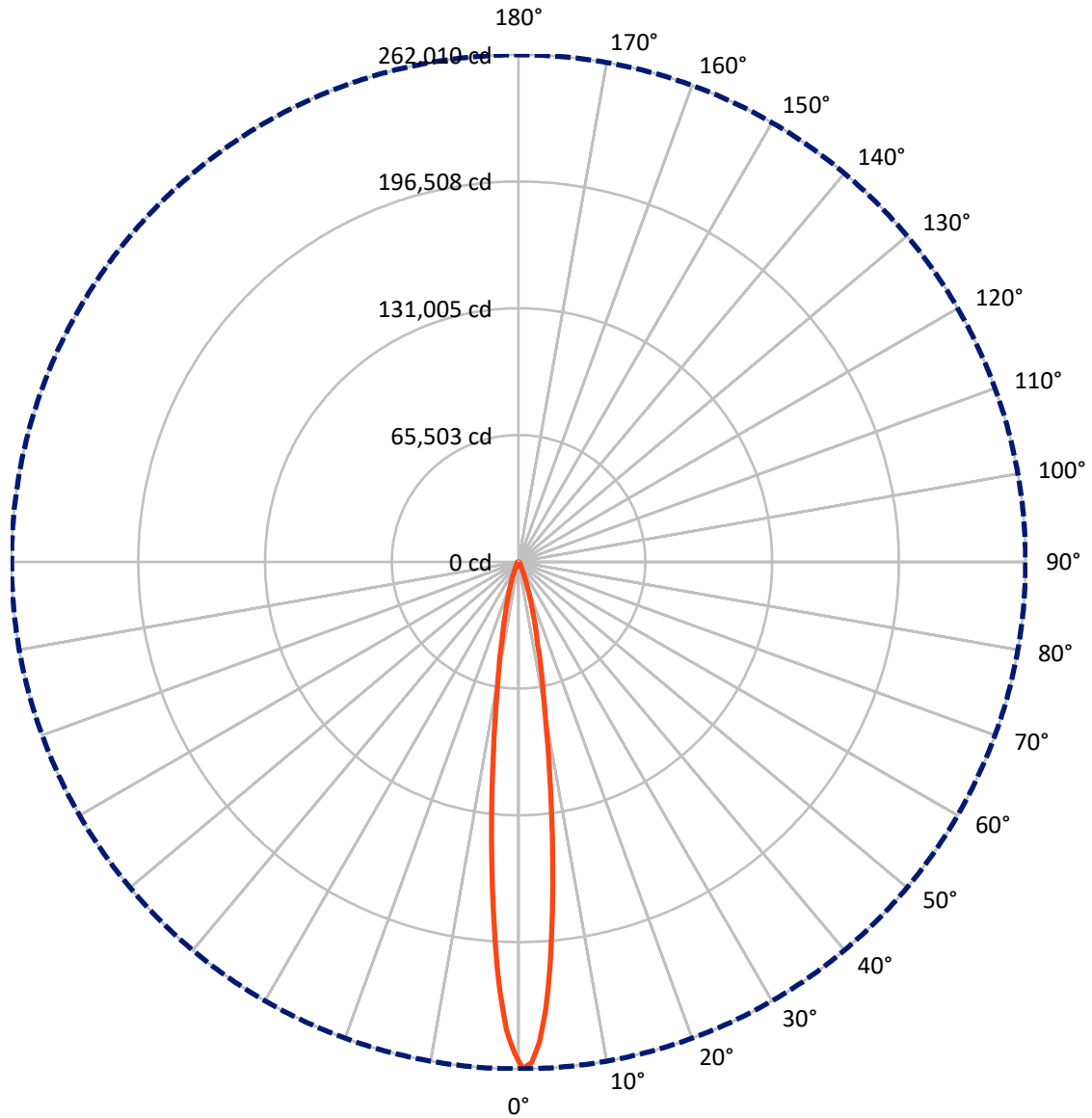
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 655 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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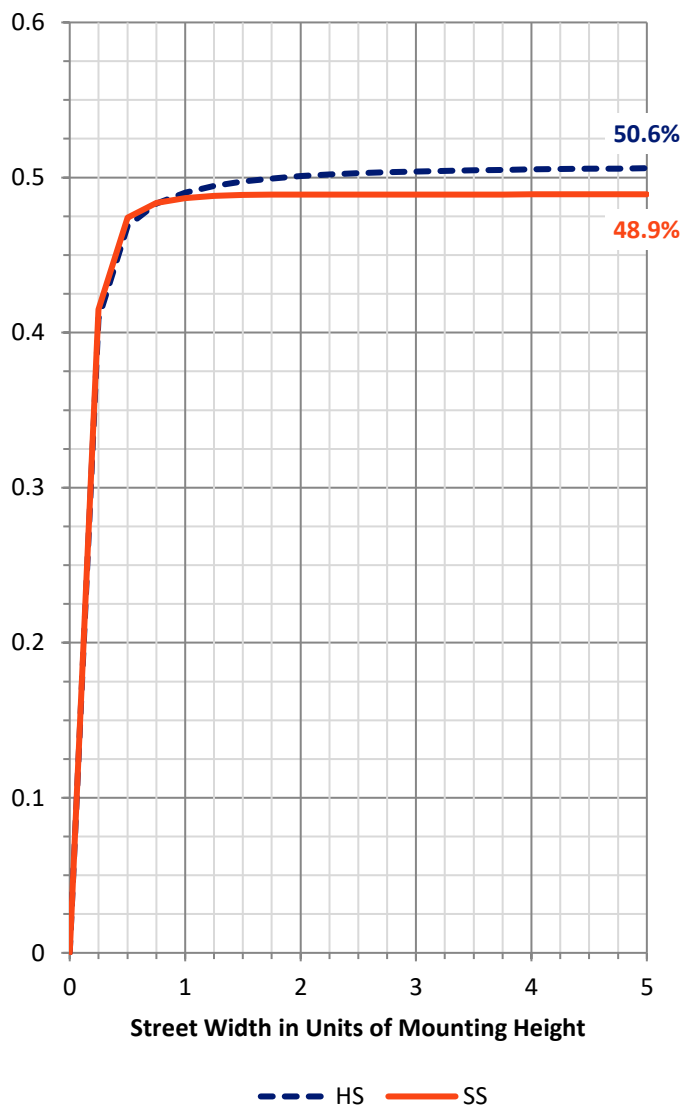
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13509.9	0.0	13509.9
	% Fixture	51.2	0.0	51.2
<b>Street Side</b>	Lumens	12867.2	0.0	12867.2
	% Fixture	48.8	0.0	48.8
<b>Total</b>	Lumens	26377.1	0.0	26377.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13316.0	50.5
10°-20°	8524.8	32.3
20°-30°	2562.4	9.7
30°-40°	834.3	3.2
40°-50°	485.4	1.8
50°-60°	322.4	1.2
60°-70°	194.1	0.7
70°-80°	99.8	0.4
80°-90°	37.9	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°	26377.1	100.0
0°-180°	26377.1	100.0



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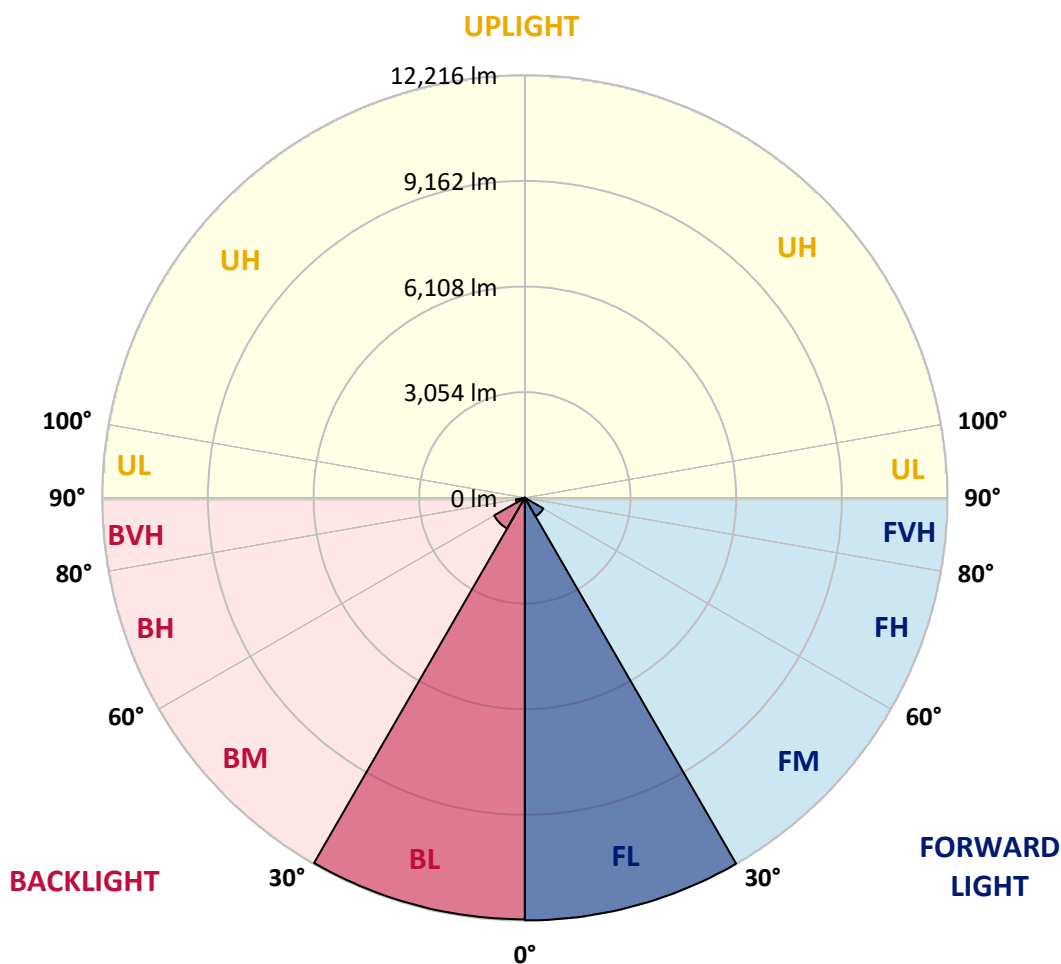
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	12216.1	46.3			
FM (30°-60°)	616.5	2.3			
FH (60°-80°)	29.0	0.1			G0/660
FVH (80°-90°)	5.7	0.0			G0/10
BL (0°-30°)	12187.1	46.2	B5		
BM (30°-60°)	1025.8	3.9	B2/2500		
BH (60°-80°)	264.8	1.0	B1/500		G0/660
BVH (80°-90°)	32.2	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°	262010.4	262010.4	262010.4	262010.4	262010.4	262010.4	262010.4	262010.4	262010.4	262010.4
1°	258873.2	258083.1	256043.4	257494.2	258769.8	258399.2	258373.3	258235.4	258042.9	259554.1
2°	248525.0	248013.7	244997.1	246241.1	248053.9	246732.4	247559.8	246832.9	246847.3	248651.5
3°	231080.9	231359.5	226547.4	228808.4	231327.9	228124.7	229118.7	230986.1	229029.6	228440.7
4°	208408.0	205989.0	203360.4	205658.7	206310.8	204446.3	206279.2	208566.0	205848.3	205968.9
5°	182523.3	180736.3	177625.0	179044.2	177426.8	178015.7	180762.2	181704.5	179808.4	177421.0
6°	155908.8	154639.0	150749.1	152794.6	152220.0	151886.8	155354.4	152481.5	153515.7	152070.7
7°	129685.1	127312.1	125401.6	127360.9	127487.3	126484.7	130986.5	130463.7	128581.9	128145.2
8°	107446.1	105078.8	103461.4	104920.8	105874.6	104300.3	106417.6	107808.0	106337.1	106469.3
9°	86660.7	86244.1	83994.7	85902.3	86939.4	85253.0	87597.3	88100.0	86723.9	87393.3
10°	71155.7	70670.2	68874.7	69647.5	71365.4	69354.4	71603.9	71767.7	70670.2	70983.4
12.5°	43972.4	43777.1	43728.3	43840.3	43817.3	44173.5	44748.1	44093.1	44006.9	42923.8
15°	28421.5	28711.7	28412.9	28987.5	29070.8	29406.9	29056.4	28527.8	27519.4	27019.5
17.5°	17737.2	18107.8	18619.2	19461.0	20302.7	20400.4	19935.0	19314.4	18826.0	18291.7
20°	10204.5	10385.5	10307.9	11316.3	13494.0	14085.8	13485.3	12833.2	12244.3	11704.2
22.5°	6340.5	6274.4	6395.1	6734.1	7443.7	9273.7	8782.4	8130.3	7702.2	7256.9
25°	3887.0	3958.8	3912.9	4099.6	4418.5	5194.2	5306.2	5024.7	4806.3	4576.5
27.5°	2502.3	2502.3	2522.4	2625.8	2844.2	2818.3	3415.9	3197.5	3079.7	2967.7
30°	1738.1	1743.8	1743.8	1804.2	1853.0	1766.8	1922.0	2203.5	2148.9	2062.7
32.5°	1289.9	1307.2	1321.5	1353.1	1312.9	1221.0	1258.3	1585.8	1554.2	1522.6
35°	982.5	996.9	1031.4	1048.6	991.1	933.7	899.2	1166.4	1180.8	1172.1
37.5°	715.3	724.0	787.2	853.2	787.2	735.5	715.3	896.3	965.3	956.7
40°	548.7	551.6	563.1	637.8	637.8	597.6	603.3	669.4	790.0	790.0
42.5°	471.2	471.2	482.6	471.2	474.0	517.1	531.5	540.1	669.4	669.4
45°	408.0	408.0	413.7	385.0	356.2	445.3	456.8	459.7	563.1	577.5
47.5°	341.9	341.9	353.4	316.0	301.7	353.4	385.0	393.6	485.5	497.0
50°	252.8	255.7	290.2	258.6	267.2	272.9	333.3	339.0	410.8	436.7
52.5°	169.5	169.5	175.2	201.1	232.7	224.1	270.1	290.2	327.5	362.0
55°	137.9	137.9	135.0	129.3	172.4	186.7	198.2	241.3	267.2	310.3
57.5°	94.8	100.6	91.9	106.3	112.0	140.8	149.4	189.6	204.0	261.4
60°	11.5	14.4	20.1	77.6	74.7	94.8	112.0	149.4	166.6	201.1
62.5°	2.9	2.9	5.7	14.4	51.7	63.2	89.1	103.4	120.7	155.1
65°	0.0	0.0	2.9	5.7	11.5	34.5	46.0	60.3	86.2	109.2
67.5°	0.0	0.0	2.9	5.7	5.7	14.4	23.0	37.3	46.0	80.4
70°	0.0	0.0	2.9	5.7	5.7	11.5	14.4	17.2	31.6	43.1
72.5°	0.0	0.0	2.9	5.7	8.6	11.5	14.4	14.4	14.4	28.7
75°	0.0	0.0	2.9	5.7	8.6	11.5	14.4	14.4	11.5	11.5
77.5°	0.0	0.0	2.9	5.7	11.5	14.4	17.2	14.4	8.6	8.6
80°	0.0	0.0	2.9	8.6	14.4	20.1	23.0	17.2	8.6	5.7
82.5°	0.0	0.0	5.7	11.5	17.2	23.0	31.6	25.9	11.5	5.7
85°	0.0	0.0	2.9	8.6	17.2	23.0	46.0	31.6	14.4	2.9
87.5°	0.0	0.0	0.0	2.9	2.9	5.7	17.2	11.5	5.7	2.9
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°
262010.4	0°	262010.4	262010.4	262010.4	262010.4	262010.4	262010.4	262010.4	262010.4
257810.2	1°	259611.5	259792.5	259200.7	260117.2	259795.4	257910.8	257287.4	256549.0
247591.4	2°	246832.9	247755.1	247801.1	248818.1	248803.7	246606.0	245925.1	247180.5
229635.8	3°	228940.6	230015.0	229046.9	230853.9	230310.9	227644.9	226952.5	228377.5
206922.7	4°	206305.1	206101.1	205767.8	204739.3	206006.3	204187.7	202817.4	204750.8
180587.0	5°	180225.0	179771.1	179121.8	178817.3	179759.6	178596.0	175777.7	178601.8
154685.0	6°	154874.6	152921.0	152826.2	152656.7	152751.5	149493.7	149689.0	151792.0
126642.7	7°	127981.5	128340.6	127608.0	128783.0	127886.7	125680.3	124829.9	127044.9
107049.6	8°	106302.7	105848.7	105288.5	107043.9	105489.6	104041.7	103050.5	104800.1
87502.5	9°	87338.7	86554.4	85985.6	85896.5	86137.8	83420.1	83971.7	85296.1
71155.7	10°	71181.6	69894.5	70207.7	70291.0	70026.7	68245.5	68262.7	68719.5
43642.1	12.5°	43486.9	42854.9	43012.9	43099.1	43636.3	43010.0	42125.2	41487.4
27516.5	15°	27332.7	26878.8	27806.7	28430.1	28303.7	27746.4	27329.8	26752.3
18291.7	17.5°	18122.2	18716.9	18719.7	19288.6	19346.0	18788.7	18466.9	17946.9
11896.6	20°	11853.5	12100.6	12614.9	13017.1	13249.8	12824.6	12439.6	12083.4
7417.8	22.5°	7417.8	7848.7	8170.5	8693.4	8906.0	8595.7	8322.8	8032.6
4631.1	25°	4553.5	4860.9	5128.1	5582.0	5872.2	5722.8	5472.9	5268.9
2990.7	27.5°	3036.6	3165.9	3298.1	3611.2	3912.9	3829.6	3729.0	3605.5
2108.7	30°	2140.3	2151.8	2292.6	2467.8	2668.9	2720.6	2674.7	2611.5
1548.5	32.5°	1577.2	1623.2	1689.3	1798.4	1933.5	2057.0	2034.0	2005.3
1183.6	35°	1218.1	1287.1	1341.6	1425.0	1496.8	1614.6	1634.7	1626.1
973.9	37.5°	994.0	1054.4	1108.9	1157.8	1218.1	1298.5	1361.7	1364.6
804.4	40°	824.5	879.1	950.9	988.3	1031.4	1091.7	1169.3	1175.0
680.9	42.5°	695.2	747.0	818.8	864.7	896.3	953.8	1031.4	1042.9
583.2	45°	597.6	629.2	703.9	758.4	790.0	827.4	910.7	922.2
502.8	47.5°	520.0	551.6	597.6	675.1	703.9	738.3	804.4	824.5
445.3	50°	456.8	488.4	528.6	597.6	640.7	669.4	724.0	752.7
387.8	52.5°	405.1	436.7	479.8	534.4	583.2	609.1	660.8	698.1
316.0	55°	339.0	393.6	425.2	474.0	540.1	563.1	603.3	652.1
275.8	57.5°	295.9	341.9	387.8	428.1	494.1	522.9	563.1	609.1
218.3	60°	249.9	293.0	347.6	382.1	445.3	482.6	525.7	568.8
166.6	62.5°	198.2	255.7	293.0	341.9	402.2	451.0	485.5	528.6
129.3	65°	146.5	209.7	252.8	304.5	362.0	413.7	442.4	488.4
91.9	67.5°	106.3	163.8	215.5	264.3	318.9	370.6	399.3	439.6
57.5	70°	83.3	120.7	178.1	221.2	278.7	321.8	353.4	379.2
37.3	72.5°	48.8	91.9	143.6	192.5	244.2	272.9	295.9	318.9
17.2	75°	31.6	71.8	117.8	160.9	198.2	224.1	244.2	264.3
8.6	77.5°	20.1	51.7	94.8	135.0	152.3	183.9	201.1	212.6
5.7	80°	11.5	40.2	83.3	109.2	123.5	143.6	160.9	175.2
5.7	82.5°	8.6	34.5	68.9	91.9	91.9	114.9	123.5	123.5
2.9	85°	5.7	28.7	54.6	86.2	68.9	86.2	80.4	80.4
2.9	87.5°	5.7	20.1	25.9	37.3	31.6	37.3	37.3	43.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
262010.4  
253624.4  
241862.8  
222048.5  
197752.5  
171161.0  
145695.7  
121020.5  
99804.2  
81159.1  
65611.0  
41099.6  
26456.4  
17817.7  
11959.8  
7877.5  
5151.1  
3533.7  
2568.4  
1982.3  
1597.3  
1344.5  
1166.4  
1034.2  
919.3  
827.4  
755.6  
698.1  
655.0  
611.9  
580.3  
548.7  
497.0  
442.4  
387.8  
324.6  
264.3  
206.8  
158.0  
114.9  
77.6  
43.1  
0.0

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