

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: P637066

Luminaire Tested: **IFLD-S-SA6A-730-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P637066  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6A-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: 24441.4 lumens  
Efficiency: N/A  
Efficacy: 128.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

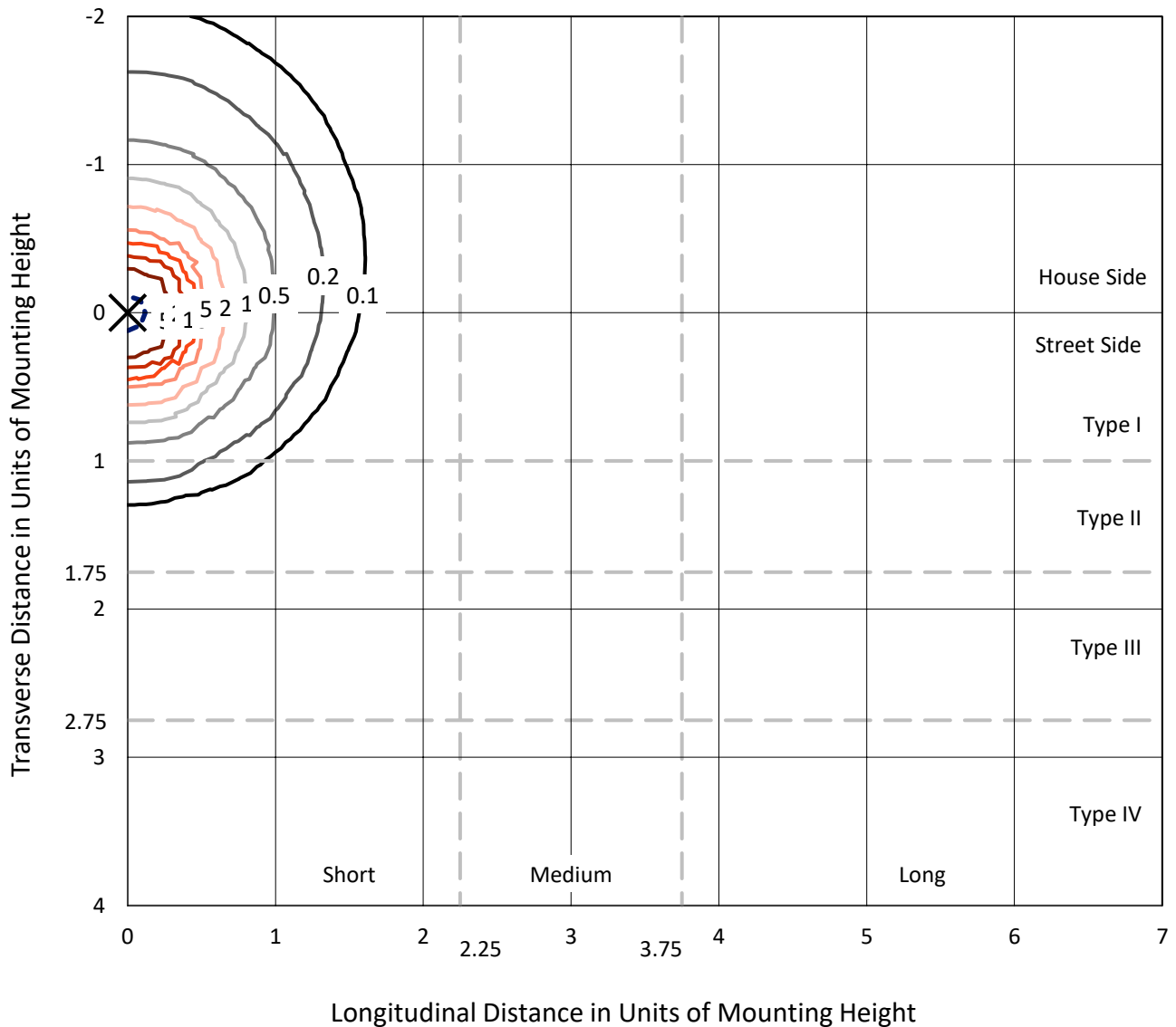
Input Watts (W): 189.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

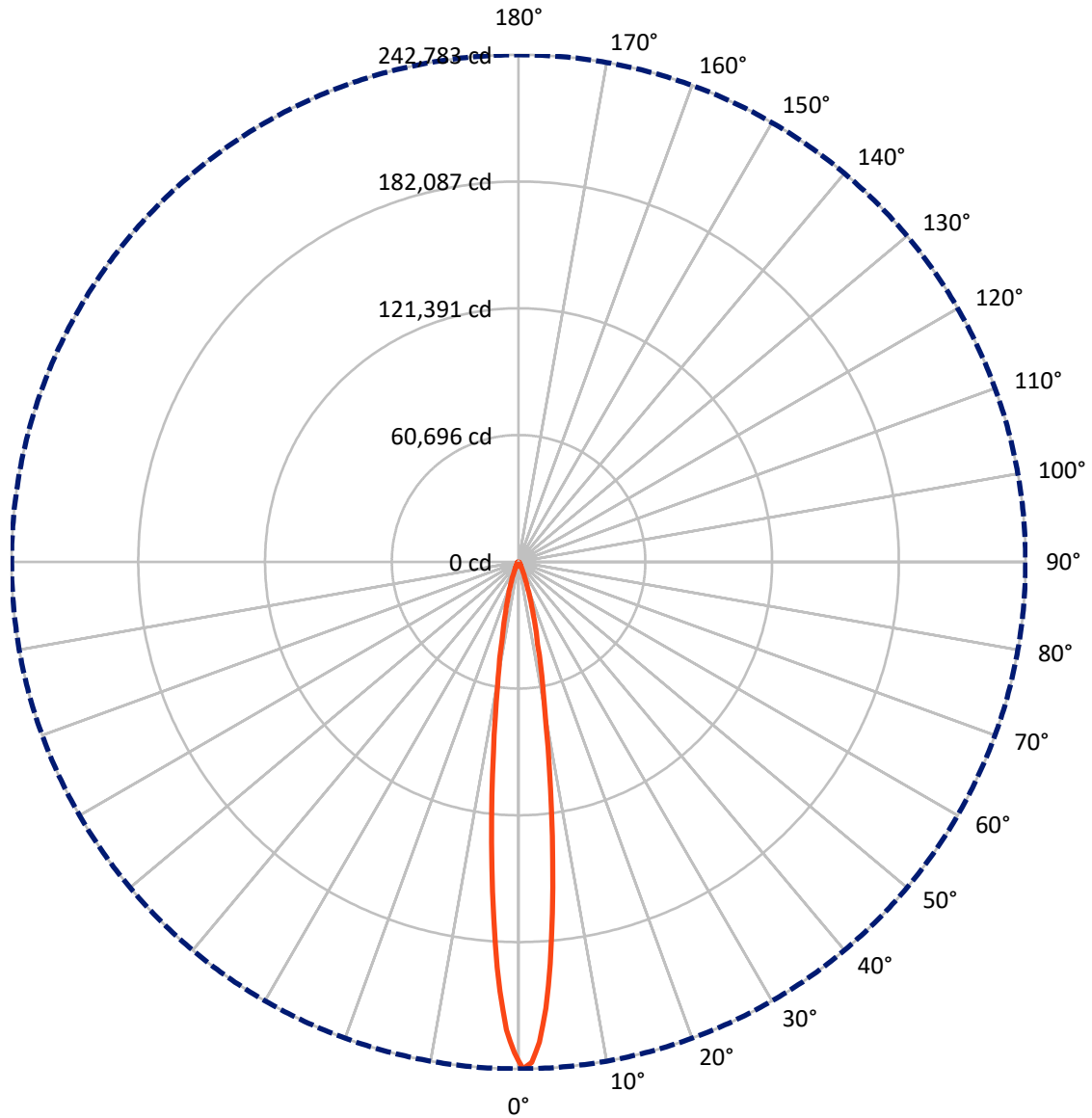
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 607 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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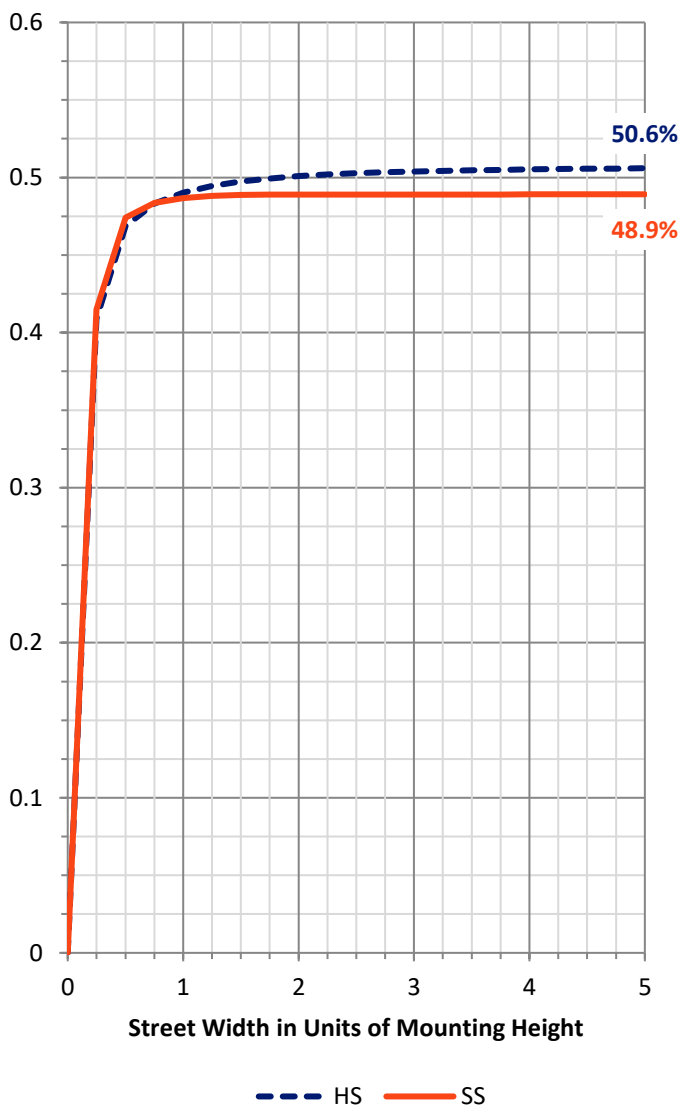
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12518.5	0.0	12518.5
	% Fixture	51.2	0.0	51.2
<b>Street Side</b>	Lumens	11923.0	0.0	11923.0
	% Fixture	48.8	0.0	48.8
<b>Total</b>	Lumens	24441.4	0.0	24441.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12338.8	50.5
10°-20°	7899.2	32.3
20°-30°	2374.3	9.7
30°-40°	773.1	3.2
40°-50°	449.8	1.8
50°-60°	298.8	1.2
60°-70°	179.8	0.7
70°-80°	92.4	0.4
80°-90°	35.1	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°	24441.4	100.0
0°-180°	24441.4	100.0

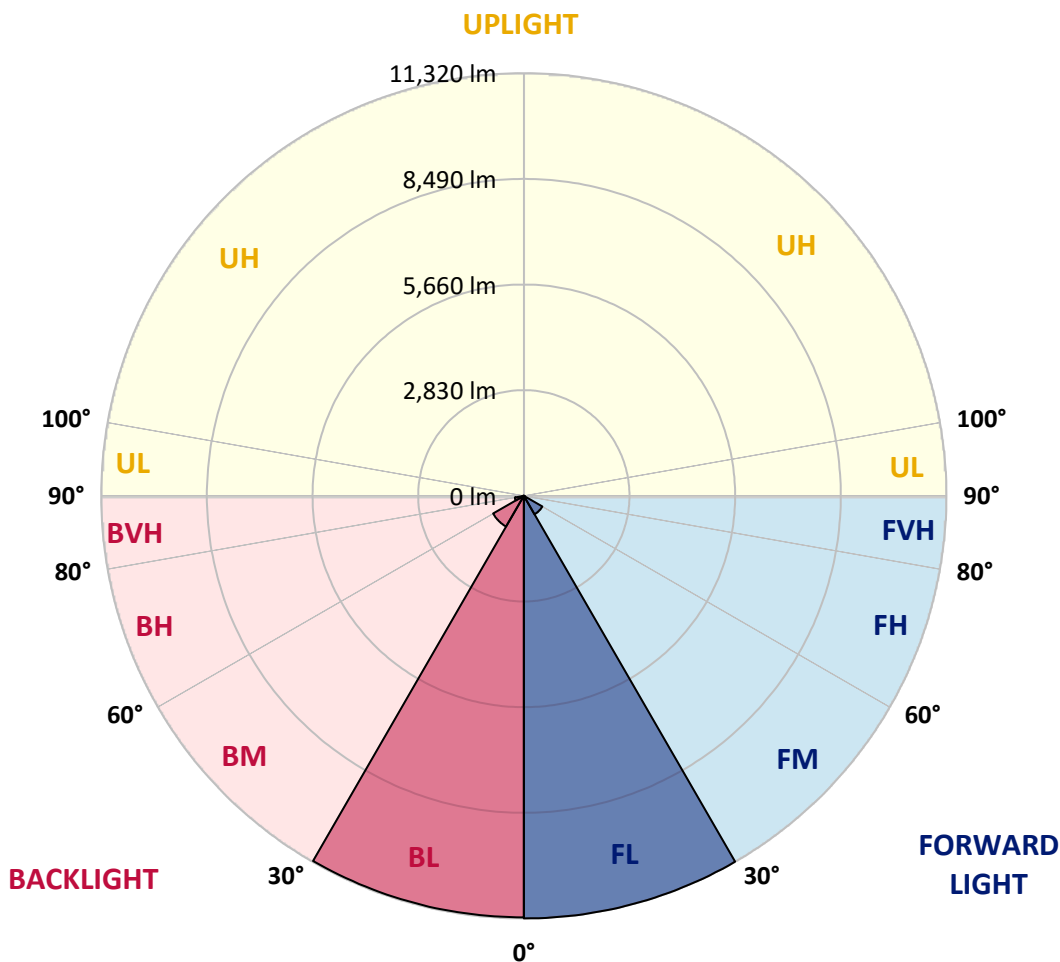


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	11319.6	46.3			
FM (30°-60°)	571.2	2.3			
FH (60°-80°)	26.9	0.1			G0/660
FVH (80°-90°)	5.3	0.0			G0/10
BL (0°-30°)	11292.8	46.2	B5		
BM (30°-60°)	950.5	3.9	B1/1000		
BH (60°-80°)	245.4	1.0	B1/500		G0/660
BVH (80°-90°)	29.8	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°	242782.5	242782.5	242782.5	242782.5	242782.5	242782.5	242782.5	242782.5	242782.5	242782.5
1°	239875.6	239143.5	237253.4	238597.8	239779.7	239436.3	239412.4	239284.6	239106.2	240506.5
2°	230286.8	229813.0	227017.8	228170.5	229850.2	228625.7	229392.4	228718.9	228732.2	230403.9
3°	214122.8	214381.0	209922.1	212017.1	214351.7	211383.5	212304.6	214034.9	212222.1	211676.4
4°	193113.8	190872.4	188436.6	190566.2	191170.5	189442.8	191141.2	193260.2	190741.9	190853.7
5°	169128.7	167472.9	164589.8	165904.9	164406.2	164951.9	167496.8	168370.0	166613.0	164400.8
6°	144467.3	143290.7	139686.3	141581.7	141049.2	140740.4	143953.6	141291.5	142249.8	140910.8
7°	120168.0	117969.2	116198.9	118014.4	118131.6	117202.5	121374.0	120889.5	119145.8	118741.2
8°	99561.0	97367.5	95868.8	97221.1	98104.9	96646.1	98608.0	99896.5	98533.5	98655.9
9°	80301.0	79915.0	77830.6	79598.3	80559.3	78996.6	81168.9	81634.7	80359.6	80979.9
10°	65933.9	65484.0	63820.2	64536.3	66128.2	64264.8	66349.2	66500.9	65484.0	65774.2
12.5°	40745.5	40564.5	40519.2	40623.0	40601.7	40931.8	41464.2	40857.3	40777.4	39773.8
15°	26335.8	26604.6	26327.8	26860.2	26937.4	27248.8	26924.1	26434.3	25499.9	25036.7
17.5°	16435.6	16779.0	17252.8	18032.8	18812.8	18903.3	18472.0	17897.0	17444.5	16949.3
20°	9455.6	9623.3	9551.5	10485.9	12503.7	13052.1	12495.7	11891.4	11345.7	10845.2
22.5°	5875.2	5813.9	5925.7	6239.9	6897.4	8593.1	8137.9	7533.6	7137.0	6724.4
25°	3601.8	3668.3	3625.7	3798.8	4094.2	4813.0	4916.8	4655.9	4453.6	4240.7
27.5°	2318.7	2318.7	2337.3	2433.1	2635.4	2611.5	3165.2	2962.9	2853.7	2749.9
30°	1610.5	1615.9	1615.9	1671.8	1717.0	1637.2	1780.9	2041.8	1991.2	1911.4
32.5°	1195.3	1211.2	1224.5	1253.8	1216.6	1131.4	1166.0	1469.5	1440.2	1410.9
35°	910.4	923.7	955.7	971.7	918.4	865.2	833.2	1080.8	1094.1	1086.1
37.5°	662.9	670.8	729.4	790.6	729.4	681.5	662.9	830.6	894.5	886.5
40°	508.5	511.1	521.8	591.0	591.0	553.7	559.0	620.3	732.1	732.1
42.5°	436.6	436.6	447.2	436.6	439.2	479.2	492.5	500.5	620.3	620.3
45°	378.0	378.0	383.3	356.7	330.1	412.6	423.3	425.9	521.8	535.1
47.5°	316.8	316.8	327.4	292.8	279.5	327.4	356.7	364.7	449.9	460.5
50°	234.3	236.9	268.9	239.6	247.6	252.9	308.8	314.1	380.7	404.6
52.5°	157.1	157.1	162.4	186.3	215.6	207.6	250.2	268.9	303.5	335.4
55°	127.8	127.8	125.1	119.8	159.7	173.0	183.7	223.6	247.6	287.5
57.5°	87.8	93.2	85.2	98.5	103.8	130.4	138.4	175.7	189.0	242.2
60°	10.6	13.3	18.6	71.9	69.2	87.8	103.8	138.4	154.4	186.3
62.5°	2.7	2.7	5.3	13.3	47.9	58.6	82.5	95.8	111.8	143.8
65°	0.0	0.0	2.7	5.3	10.6	31.9	42.6	55.9	79.9	101.2
67.5°	0.0	0.0	2.7	5.3	5.3	13.3	21.3	34.6	42.6	74.5
70°	0.0	0.0	2.7	5.3	5.3	10.6	13.3	16.0	29.3	39.9
72.5°	0.0	0.0	2.7	5.3	8.0	10.6	13.3	13.3	13.3	26.6
75°	0.0	0.0	2.7	5.3	8.0	10.6	13.3	13.3	10.6	10.6
77.5°	0.0	0.0	2.7	5.3	10.6	13.3	16.0	13.3	8.0	8.0
80°	0.0	0.0	2.7	8.0	13.3	18.6	21.3	16.0	8.0	5.3
82.5°	0.0	0.0	5.3	10.6	16.0	21.3	29.3	24.0	10.6	5.3
85°	0.0	0.0	2.7	8.0	16.0	21.3	42.6	29.3	13.3	2.7
87.5°	0.0	0.0	0.0	2.7	2.7	5.3	16.0	10.6	5.3	2.7
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°
242782.5	0°	242782.5	242782.5	242782.5	242782.5	242782.5	242782.5	242782.5	242782.5
238890.6	1°	240559.7	240727.4	240179.0	241028.2	240730.1	238983.8	238406.1	237721.9
229421.6	2°	228718.9	229573.4	229616.0	230558.3	230545.0	228508.6	227877.7	229041.0
212783.8	3°	212139.6	213135.2	212238.0	213912.5	213409.4	210939.0	210297.4	211617.8
191737.5	4°	191165.2	190976.2	190667.4	189714.4	190888.3	189203.2	187933.4	189725.0
167334.4	5°	166999.0	166578.4	165976.8	165694.6	166567.8	165489.6	162878.1	165494.9
143333.3	6°	143509.0	141698.8	141610.9	141453.9	141541.7	138522.9	138704.0	140652.6
117348.9	7°	118589.4	118922.2	118243.4	119332.2	118501.6	116457.1	115669.2	117721.6
99193.7	8°	98501.5	98080.9	97561.8	99188.4	97748.2	96406.5	95488.1	97109.3
81081.0	9°	80929.3	80202.5	79675.5	79592.9	79816.5	77298.2	77809.3	79036.6
65933.9	10°	65957.9	64765.3	65055.4	65132.6	64887.7	63237.2	63253.2	63676.5
40439.4	12.5°	40295.6	39709.9	39856.4	39936.2	40434.0	39853.7	39033.8	38442.8
25497.2	15°	25326.8	24906.2	25766.1	26343.7	26226.6	25710.2	25324.2	24789.1
16949.3	17.5°	16792.3	17343.3	17346.0	17873.1	17926.3	17409.9	17111.7	16629.9
11023.6	20°	10983.7	11212.6	11689.1	12061.8	12277.4	11883.4	11526.7	11196.6
6873.4	22.5°	6873.4	7272.7	7570.9	8055.4	8252.4	7964.9	7712.0	7443.1
4291.2	25°	4219.4	4504.2	4751.8	5172.4	5441.3	5302.8	5071.2	4882.2
2771.2	27.5°	2813.8	2933.6	3056.0	3346.2	3625.7	3548.5	3455.4	3340.9
1954.0	30°	1983.2	1993.9	2124.3	2286.7	2473.1	2521.0	2478.4	2419.8
1434.9	32.5°	1461.5	1504.1	1565.3	1666.4	1791.6	1906.0	1884.7	1858.1
1096.8	35°	1128.7	1192.6	1243.2	1320.4	1386.9	1496.1	1514.7	1506.7
902.4	37.5°	921.1	977.0	1027.6	1072.8	1128.7	1203.3	1261.8	1264.5
745.4	40°	764.0	814.6	881.1	915.7	955.7	1011.6	1083.5	1088.8
630.9	42.5°	644.2	692.1	758.7	801.3	830.6	883.8	955.7	966.3
540.4	45°	553.7	583.0	652.2	702.8	732.1	766.7	843.9	854.5
465.9	47.5°	481.8	511.1	553.7	625.6	652.2	684.1	745.4	764.0
412.6	50°	423.3	452.6	489.8	553.7	593.6	620.3	670.8	697.5
359.4	52.5°	375.4	404.6	444.6	495.1	540.4	564.4	612.3	646.9
292.8	55°	314.1	364.7	394.0	439.2	500.5	521.8	559.0	604.3
255.6	57.5°	274.2	316.8	359.4	396.6	457.9	484.5	521.8	564.4
202.3	60°	231.6	271.5	322.1	354.1	412.6	447.2	487.2	527.1
154.4	62.5°	183.7	236.9	271.5	316.8	372.7	417.9	449.9	489.8
119.8	65°	135.8	194.3	234.3	282.2	335.4	383.3	410.0	452.6
85.2	67.5°	98.5	151.7	199.7	244.9	295.5	343.4	370.0	407.3
53.2	70°	77.2	111.8	165.0	205.0	258.2	298.2	327.4	351.4
34.6	72.5°	45.3	85.2	133.1	178.4	226.3	252.9	274.2	295.5
16.0	75°	29.3	66.6	109.1	149.1	183.7	207.6	226.3	244.9
8.0	77.5°	18.6	47.9	87.8	125.1	141.1	170.4	186.3	197.0
5.3	80°	10.6	37.3	77.2	101.2	114.5	133.1	149.1	162.4
5.3	82.5°	8.0	31.9	63.9	85.2	85.2	106.5	114.5	114.5
2.7	85°	5.3	26.6	50.6	79.9	63.9	79.9	74.5	74.5
2.7	87.5°	5.3	18.6	24.0	34.6	29.3	34.6	34.6	39.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
242782.5  
235012.0  
224113.5  
205753.3  
183240.2  
158600.2  
135003.7  
112139.3  
92480.0  
75203.2  
60796.1  
38083.4  
24514.9  
16510.1  
11082.2  
7299.4  
4773.1  
3274.3  
2379.9  
1836.8  
1480.1  
1245.8  
1080.8  
958.3  
851.9  
766.7  
700.1  
646.9  
606.9  
567.0  
537.7  
508.5  
460.5  
410.0  
359.4  
300.8  
244.9  
191.7  
146.4  
106.5  
71.9  
39.9  
0.0

(END OF REPORT)