

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: P637010

Luminaire Tested: **IFLD-S-SA6C-722-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P637010  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6C-722-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (96) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30438.2 lumens  
Efficiency: N/A  
Efficacy: 94.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

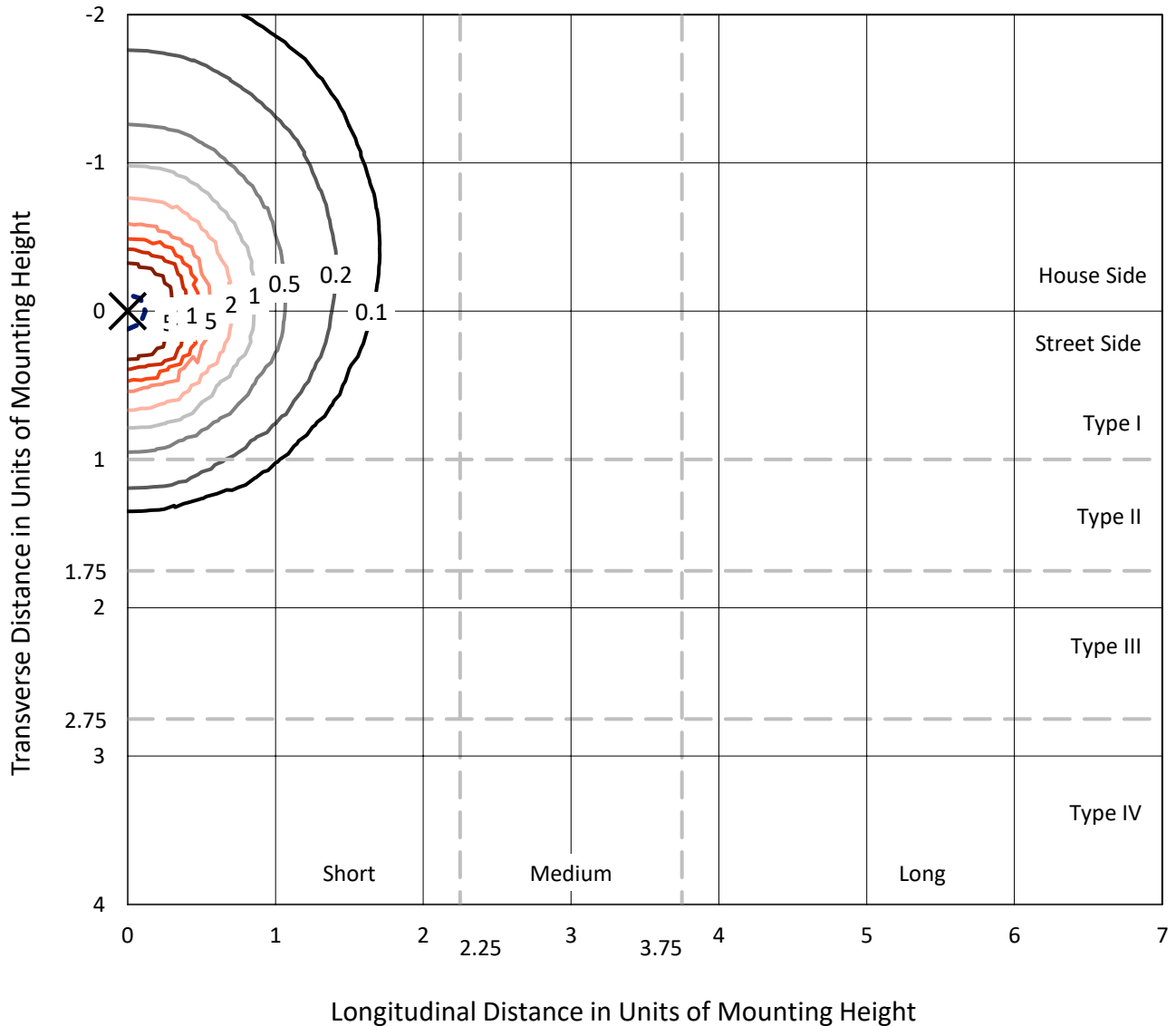
Input Watts (W): 321.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

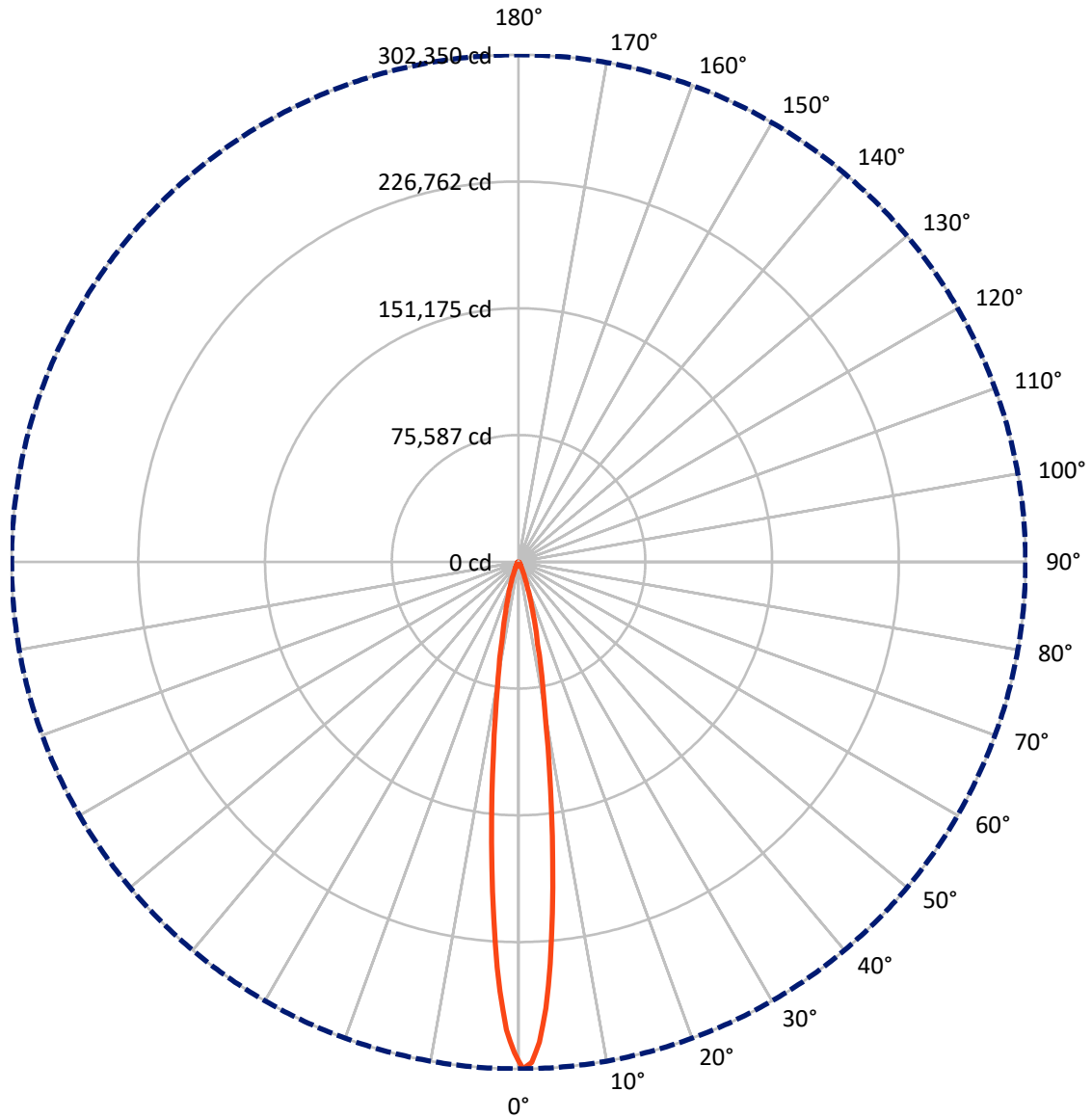
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 755.9 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	15589.9	0.0	15589.9
	% Fixture	51.2	0.0	51.2
<b>Street Side</b>	Lumens	14848.3	0.0	14848.3
	% Fixture	48.8	0.0	48.8
<b>Total</b>	Lumens	30438.2	0.0	30438.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15366.1	50.5
10°-20°	9837.3	32.3
20°-30°	2956.9	9.7
30°-40°	962.8	3.2
40°-50°	560.2	1.8
50°-60°	372.1	1.2
60°-70°	224.0	0.7
70°-80°	115.1	0.4
80°-90°	43.7	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°	30438.2	100.0
0°-180°	30438.2	100.0

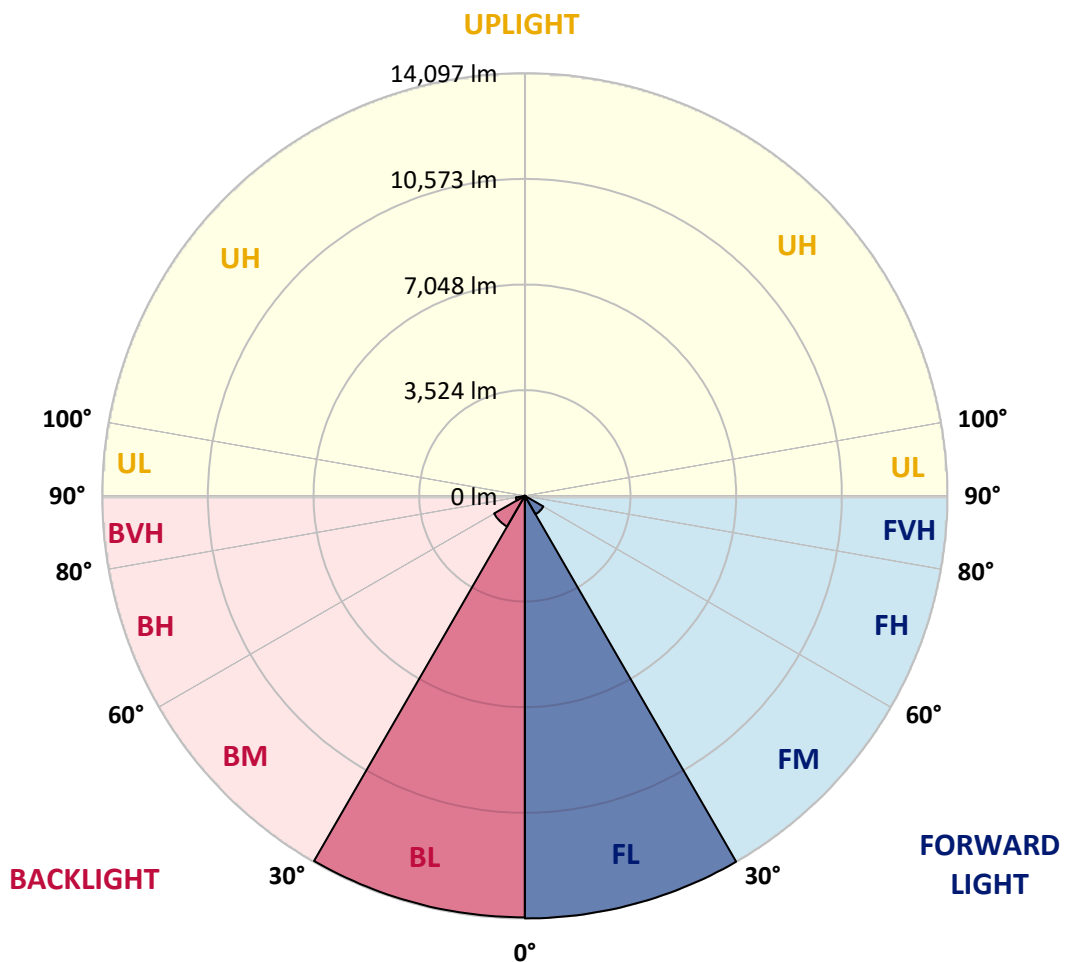


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	14096.9	46.3			
FM (30°-60°)	711.4	2.3			
FH (60°-80°)	33.5	0.1			G0/660
FVH (80°-90°)	6.6	0.0			G0/10
BL (0°-30°)	14063.5	46.2	B5		
BM (30°-60°)	1183.7	3.9	B2/2500		
BH (60°-80°)	305.6	1.0	B1/500		G0/660
BVH (80°-90°)	37.1	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°	302349.7	302349.7	302349.7	302349.7	302349.7	302349.7	302349.7	302349.7	302349.7	302349.7
1°	298729.5	297817.9	295464.1	297138.2	298610.2	298182.5	298152.7	297993.6	297771.4	299515.2
2°	286788.2	286198.1	282717.1	284152.6	286244.5	284719.5	285674.3	284835.5	284852.1	286934.1
3°	266658.3	266979.9	261426.9	264036.0	266943.4	263246.9	264394.0	266548.9	264291.2	263611.6
4°	240494.7	237703.3	234669.9	237322.1	238074.6	235923.0	238038.1	240677.0	237540.9	237680.1
5°	210624.7	208562.7	204972.3	206610.0	204743.6	205423.2	208592.5	209679.9	207491.9	204736.9
6°	179912.7	178447.4	173958.6	176319.0	175656.0	175271.4	179272.9	175957.7	177151.1	175483.6
7°	149651.5	146913.2	144708.6	146969.5	147115.4	145958.4	151153.3	150550.0	148378.5	147874.6
8°	123988.6	121256.8	119390.4	121074.5	122175.1	120358.4	122801.7	124406.3	122708.9	122861.4
9°	100003.1	99522.4	96926.6	99127.9	100324.6	98378.6	101083.8	101664.0	100076.0	100848.4
10°	82110.9	81550.7	79478.7	80370.4	82352.9	80032.3	82628.1	82817.1	81550.7	81912.0
12.5°	50742.5	50517.0	50460.7	50590.0	50563.5	50974.5	51637.6	50881.7	50782.3	49532.4
15°	32797.3	33132.1	32787.3	33450.4	33546.5	33934.4	33530.0	32920.0	31756.3	31179.5
17.5°	20468.1	20895.7	21485.8	22457.2	23428.5	23541.2	23004.2	22288.1	21724.5	21107.9
20°	11775.6	11984.5	11894.9	13058.6	15571.5	16254.4	15561.6	14809.0	14129.4	13506.1
22.5°	7316.7	7240.4	7379.6	7770.8	8589.7	10701.5	10134.6	9382.0	8888.1	8374.2
25°	4485.5	4568.3	4515.3	4730.8	5098.8	5993.9	6123.2	5798.3	5546.3	5281.1
27.5°	2887.5	2887.5	2910.7	3030.1	3282.1	3252.2	3941.8	3689.8	3553.9	3424.6
30°	2005.7	2012.3	2012.3	2081.9	2138.3	2038.8	2217.9	2542.8	2479.8	2380.3
32.5°	1488.5	1508.4	1525.0	1561.5	1515.0	1409.0	1452.1	1830.0	1793.5	1757.1
35°	1133.8	1150.4	1190.2	1210.0	1143.7	1077.4	1037.7	1346.0	1362.5	1352.6
37.5°	825.5	835.4	908.4	984.6	908.4	848.7	825.5	1034.3	1113.9	1104.0
40°	633.2	636.5	649.8	736.0	736.0	689.6	696.2	772.4	911.7	911.7
42.5°	543.7	543.7	557.0	543.7	547.0	596.7	613.3	623.3	772.4	772.4
45°	470.8	470.8	477.4	444.2	411.1	513.9	527.1	530.4	649.8	666.4
47.5°	394.5	394.5	407.8	364.7	348.1	407.8	444.2	454.2	560.3	573.5
50°	291.7	295.1	334.8	298.4	308.3	314.9	384.6	391.2	474.1	503.9
52.5°	195.6	195.6	202.2	232.1	268.5	258.6	311.6	334.8	377.9	417.7
55°	159.1	159.1	155.8	149.2	198.9	215.5	228.7	278.5	308.3	358.0
57.5°	109.4	116.0	106.1	122.7	129.3	162.4	172.4	218.8	235.4	301.7
60°	13.3	16.6	23.2	89.5	86.2	109.4	129.3	172.4	192.3	232.1
62.5°	3.3	3.3	6.6	16.6	59.7	72.9	102.8	119.3	139.2	179.0
65°	0.0	0.0	3.3	6.6	13.3	39.8	53.0	69.6	99.5	126.0
67.5°	0.0	0.0	3.3	6.6	6.6	16.6	26.5	43.1	53.0	92.8
70°	0.0	0.0	3.3	6.6	6.6	13.3	16.6	19.9	36.5	49.7
72.5°	0.0	0.0	3.3	6.6	9.9	13.3	16.6	16.6	16.6	33.2
75°	0.0	0.0	3.3	6.6	9.9	13.3	16.6	16.6	13.3	13.3
77.5°	0.0	0.0	3.3	6.6	13.3	16.6	19.9	16.6	9.9	9.9
80°	0.0	0.0	3.3	9.9	16.6	23.2	26.5	19.9	9.9	6.6
82.5°	0.0	0.0	6.6	13.3	19.9	26.5	36.5	29.8	13.3	6.6
85°	0.0	0.0	3.3	9.9	19.9	26.5	53.0	36.5	16.6	3.3
87.5°	0.0	0.0	0.0	3.3	3.3	6.6	19.9	13.3	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°
302349.7	0°	302349.7	302349.7	302349.7	302349.7	302349.7	302349.7	302349.7	302349.7	302349.7
297502.9	1°	299581.5	299790.4	299107.5	300165.0	299793.7	297618.9	296899.6	296047.5	294820.9
285710.7	2°	284835.5	285899.7	285952.8	287126.3	287109.8	284573.6	283787.9	285236.7	282408.8
264990.7	3°	264188.5	265428.3	264311.1	266396.4	265769.8	262693.3	261894.3	263538.7	261483.2
238780.7	4°	238068.0	237832.6	237448.0	236261.2	237723.2	235624.7	234043.3	236274.5	231878.5
208390.3	5°	207972.6	207448.8	206699.5	206348.1	207435.5	206092.9	202840.6	206099.5	198259.0
178500.4	6°	178719.2	176464.9	176355.5	176159.9	176269.3	172509.9	172735.3	175162.0	168637.7
146140.7	7°	147685.6	148100.0	147254.6	148610.6	147576.2	145030.1	144048.8	146604.9	141993.4
123531.1	8°	122669.1	122145.3	121498.8	123524.4	121730.9	120060.0	118916.3	120935.3	117510.7
100974.4	9°	100785.5	99880.4	99224.0	99121.2	99399.7	96263.5	96900.0	98428.3	96366.3
82110.9	10°	82140.8	80655.6	81016.9	81113.0	80808.1	78752.6	78772.5	79299.6	76819.9
50361.2	12.5°	50182.2	49452.9	49635.2	49734.7	50354.6	49631.9	48610.8	47874.8	47503.5
31753.0	15°	31540.8	31017.0	32087.8	32807.2	32661.4	32018.2	31537.5	30871.2	30334.1
21107.9	17.5°	20912.3	21598.5	21601.9	22258.3	22324.6	21681.4	21310.1	20710.1	20736.6
13728.3	20°	13678.5	13963.6	14557.1	15021.2	15289.7	14799.1	14354.8	13943.7	13771.3
8559.9	22.5°	8559.9	9057.1	9428.4	10031.8	10277.1	9919.1	9604.1	9269.3	9063.8
5344.1	25°	5254.6	5609.3	5917.6	6441.4	6776.3	6603.9	6315.5	6080.1	5970.7
3451.1	27.5°	3504.2	3653.4	3805.9	4167.2	4515.3	4419.2	4303.1	4160.6	4110.9
2433.4	30°	2469.8	2483.1	2645.5	2847.8	3079.8	3139.5	3086.5	3013.5	2957.2
1786.9	32.5°	1820.0	1873.1	1949.3	2075.3	2231.1	2373.7	2347.2	2314.0	2287.5
1365.9	35°	1405.6	1485.2	1548.2	1644.3	1727.2	1863.1	1886.3	1876.4	1856.5
1123.9	37.5°	1147.1	1216.7	1279.7	1336.0	1405.6	1498.5	1571.4	1574.7	1554.8
928.3	40°	951.5	1014.5	1097.3	1140.4	1190.2	1259.8	1349.3	1355.9	1349.3
785.7	42.5°	802.3	862.0	944.8	997.9	1034.3	1100.6	1190.2	1203.4	1190.2
673.0	45°	689.6	726.0	812.2	875.2	911.7	954.8	1050.9	1064.2	1060.9
580.2	47.5°	600.1	636.5	689.6	779.1	812.2	852.0	928.3	951.5	951.5
513.9	50°	527.1	563.6	610.0	689.6	739.3	772.4	835.4	868.6	868.6
447.6	52.5°	467.4	503.9	553.6	616.6	673.0	702.8	762.5	805.6	805.6
364.7	55°	391.2	454.2	490.6	547.0	623.3	649.8	696.2	752.6	752.6
318.3	57.5°	341.5	394.5	447.6	494.0	570.2	603.4	649.8	702.8	709.5
252.0	60°	288.4	338.2	401.1	440.9	513.9	557.0	606.7	656.4	669.7
192.3	62.5°	228.7	295.1	338.2	394.5	464.1	520.5	560.3	610.0	629.9
149.2	65°	169.1	242.0	291.7	351.4	417.7	477.4	510.5	563.6	576.8
106.1	67.5°	122.7	189.0	248.6	305.0	368.0	427.7	460.8	507.2	517.2
66.3	70°	96.1	139.2	205.5	255.3	321.6	371.3	407.8	437.6	447.6
43.1	72.5°	56.4	106.1	165.8	222.1	281.8	314.9	341.5	368.0	374.6
19.9	75°	36.5	82.9	135.9	185.7	228.7	258.6	281.8	305.0	308.3
9.9	77.5°	23.2	59.7	109.4	155.8	175.7	212.2	232.1	245.3	238.7
6.6	80°	13.3	46.4	96.1	126.0	142.6	165.8	185.7	202.2	185.7
6.6	82.5°	9.9	39.8	79.6	106.1	106.1	132.6	142.6	142.6	135.9
3.3	85°	6.6	33.2	63.0	99.5	79.6	99.5	92.8	92.8	92.8
3.3	87.5°	6.6	23.2	29.8	43.1	36.5	43.1	43.1	49.7	49.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
302349.7  
292672.7  
279100.2  
256235.3  
228198.6  
197513.1  
168127.2  
139652.9  
115170.1  
93654.5  
75712.6  
47427.3  
30529.7  
20560.9  
13801.2  
9090.3  
5944.2  
4077.7  
2963.8  
2287.5  
1843.3  
1551.5  
1346.0  
1193.5  
1060.9  
954.8  
871.9  
805.6  
755.9  
706.1  
669.7  
633.2  
573.5  
510.5  
447.6  
374.6  
305.0  
238.7  
182.3  
132.6  
89.5  
49.7  
0.0

(END OF REPORT)