

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: P636641

Luminaire Tested: **IFLD-L-SA7A-935-U-66-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636641  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7A-935-U-66-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor  
Light Source: (112) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16548.1 lumens  
Efficiency: N/A  
Efficacy: 76.0 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G1

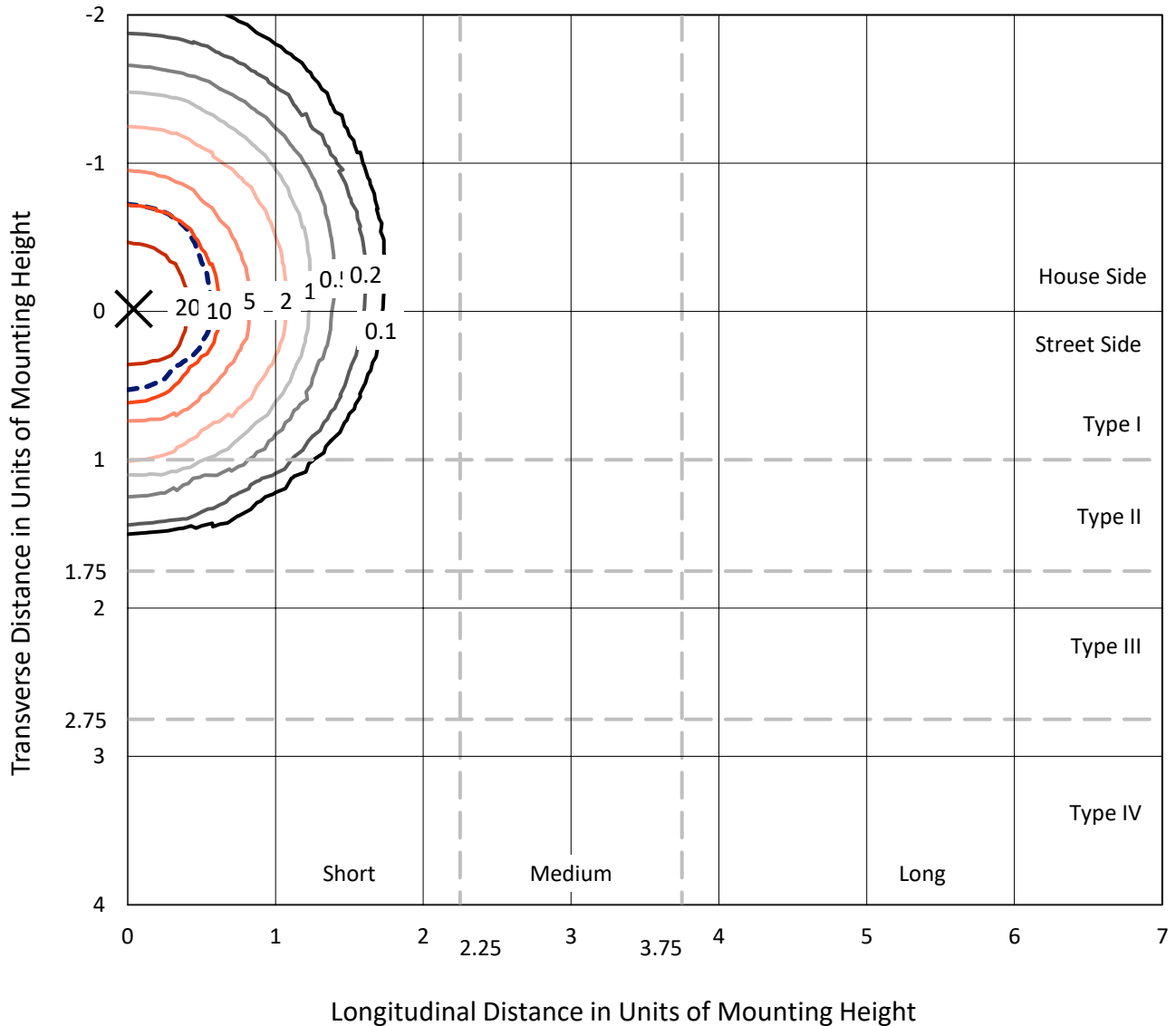
Input Watts (W): 217.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P636641  
 CATALOG NUMBER: IFLD-L-SA7A-935-U-66-VI

### Iso-Footcandle Lines of Horizontal Illumination

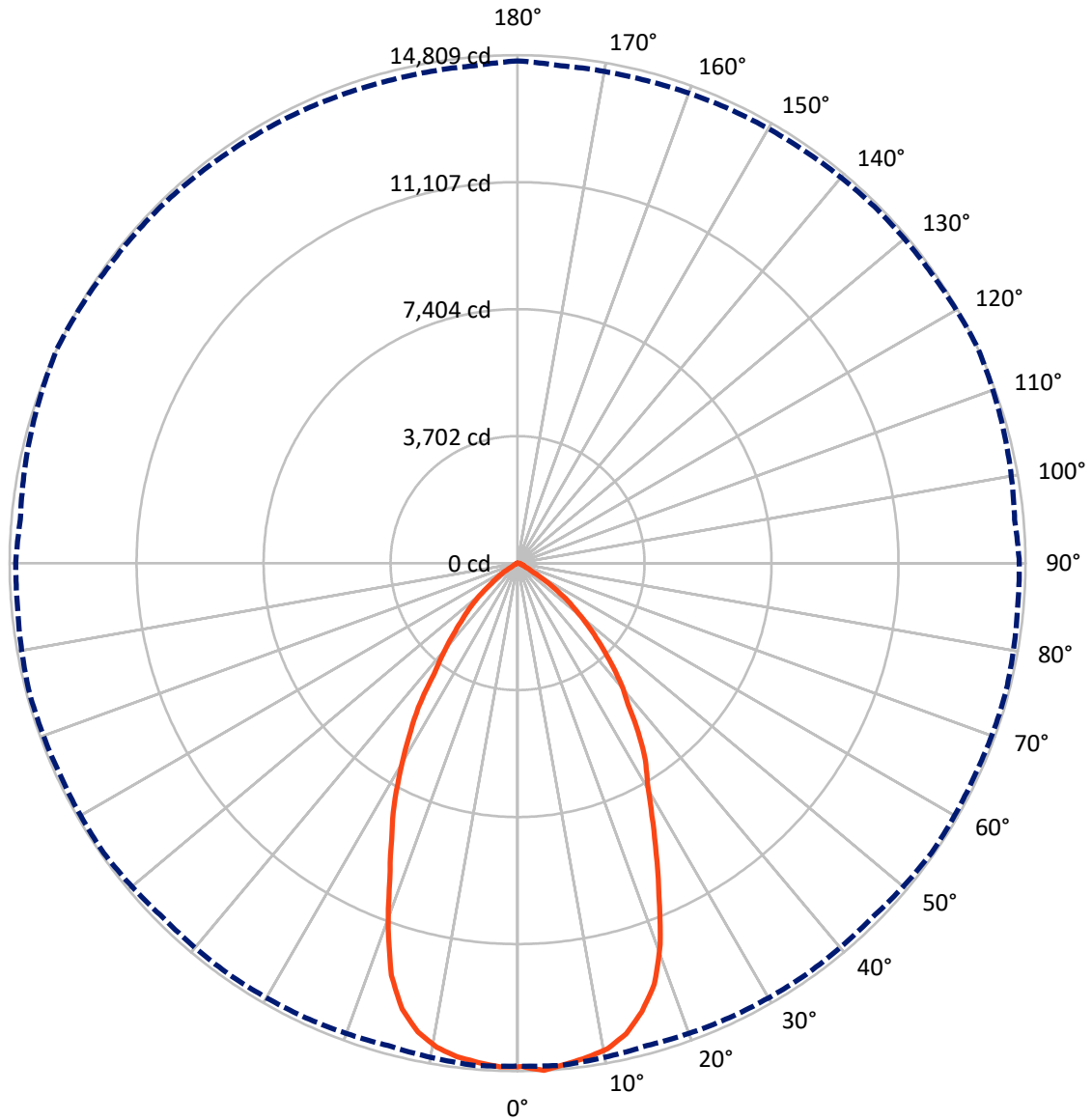
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 36.7 fc  
 Type I - Short - N/A

REPORT NUMBER: P636641  
CATALOG NUMBER: IFLD-L-SA7A-935-U-66-VI

### Luminous Intensity Polar Plot



— Vertical Plane Through 115-Deg Lateral    - - - Horizontal Cone Through 2.5-Deg Vertical

REPORT NUMBER: P636641

CATALOG NUMBER: IFLD-L-SA7A-935-U-66-VI

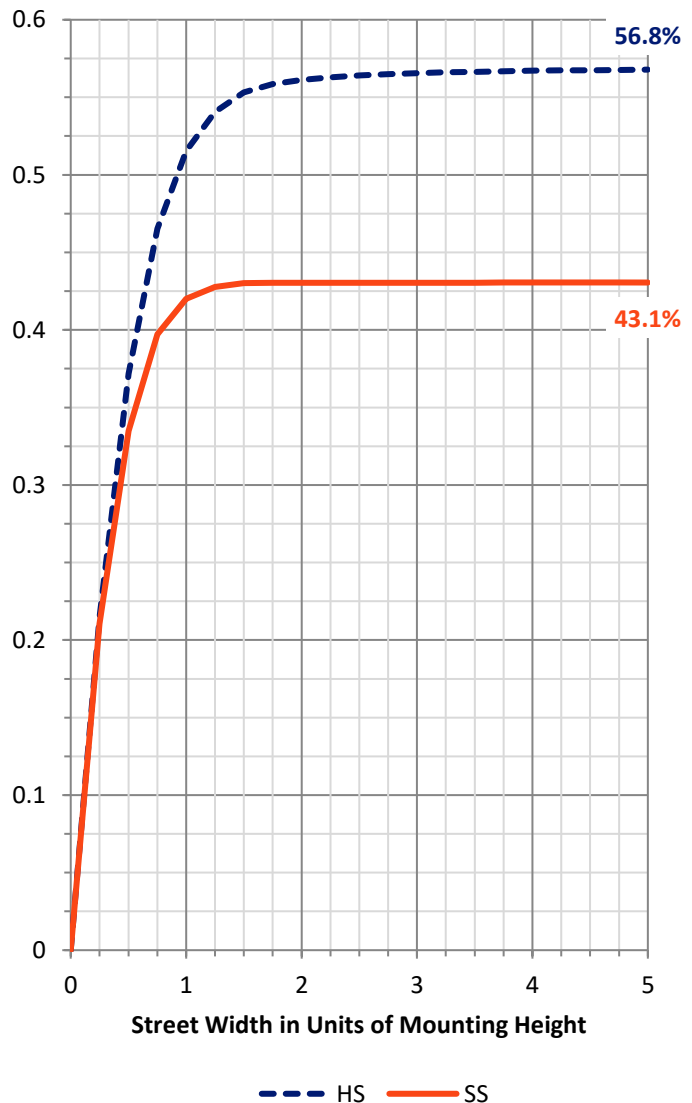
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9470.3	0.0	9470.3
	% Fixture	57.2	0.0	57.2
<b>Street Side</b>	Lumens	7077.8	0.0	7077.8
	% Fixture	42.8	0.0	42.8
<b>Total</b>	Lumens	16548.1	0.0	16548.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1382.9	8.4
10°-20°	3666.7	22.2
20°-30°	4194.0	25.3
30°-40°	3594.1	21.7
40°-50°	2376.6	14.4
50°-60°	1037.0	6.3
60°-70°	203.8	1.2
70°-80°	73.5	0.4
80°-90°	19.6	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°	16548.1	100.0
0°-180°	16548.1	100.0



REPORT NUMBER: P636641

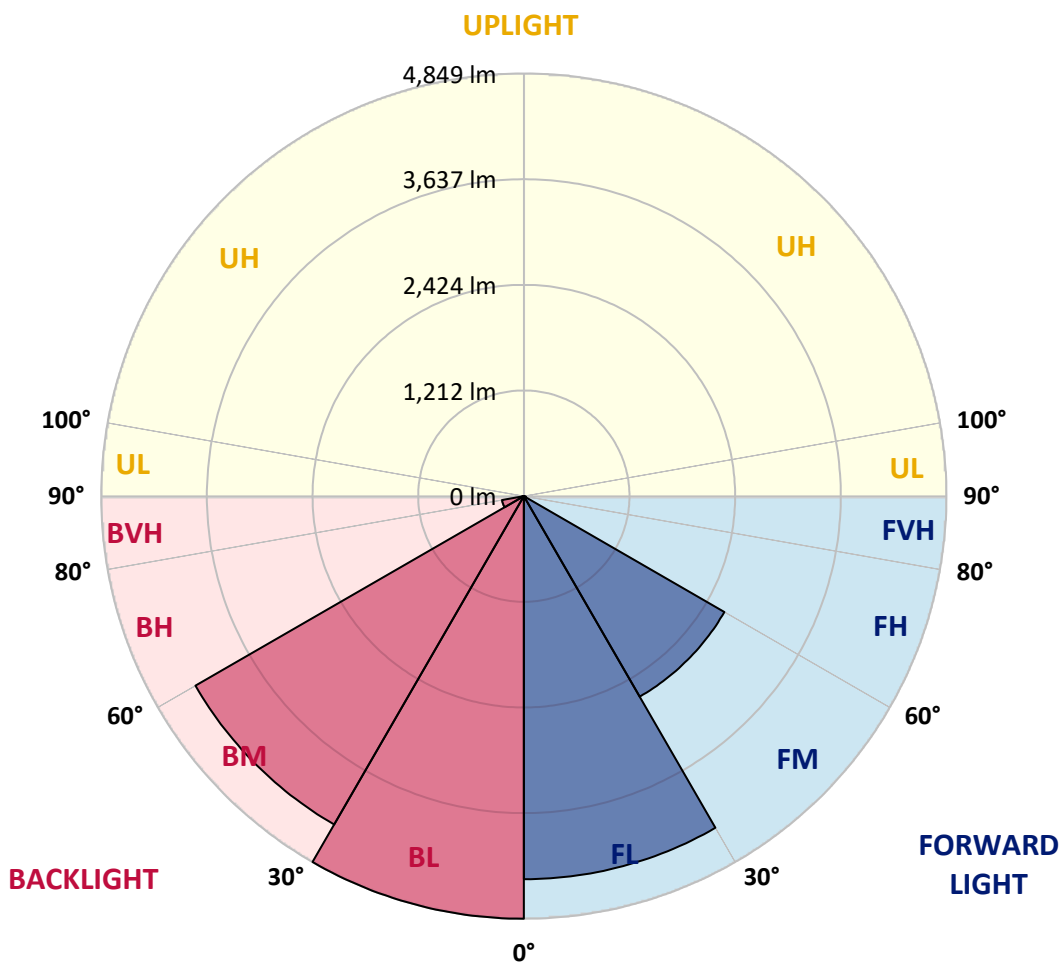
CATALOG NUMBER: IFLD-L-SA7A-935-U-66-VI

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4394.8	26.6			
FM (30°-60°)	2657.3	16.1			
FH (60°-80°)	22.5	0.1			G0/660
FVH (80°-90°)	3.2	0.0			G0/10
BL (0°-30°)	4848.7	29.3	B4/5000		
BM (30°-60°)	4350.4	26.3	B3/5000		
BH (60°-80°)	254.8	1.5	B1/500		G1/500
BVH (80°-90°)	16.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**

Type I Short





REPORT NUMBER: P636641  
 CATALOG NUMBER: IFLD-L-SA7A-935-U-66-VI

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	14682.3	14682.3	14682.3	14682.3	14682.3	14682.3	14682.3	14682.3	14682.3	14682.3
2.5°	14661.2	14696.4	14562.7	14622.5	14647.1	14615.5	14731.6	14696.4	14724.5	14636.6
5°	14661.2	14696.4	14541.6	14569.7	14576.8	14517.0	14643.6	14601.4	14604.9	14513.5
7.5°	14569.7	14612.0	14471.3	14492.4	14495.9	14446.6	14555.7	14495.9	14474.8	14379.8
10°	14323.5	14348.1	14221.5	14274.3	14323.5	14277.8	14372.8	14305.9	14305.9	14221.5
12.5°	13933.1	13978.8	13838.1	13901.4	13943.6	13890.9	13999.9	13975.3	13978.8	13894.4
15°	13222.5	13064.2	13233.1	13359.7	13363.2	13352.7	13454.7	13430.1	13447.6	13321.0
17.5°	9768.3	9729.6	9926.6	11421.5	12533.1	12684.3	12701.9	12568.3	12508.5	12385.3
20°	9050.7	9078.8	9036.6	9043.7	9919.5	11738.1	11629.1	11298.4	11147.2	11024.0
22.5°	8526.6	8480.8	8452.7	8435.1	8459.7	9645.2	10429.6	9930.1	9849.2	9789.4
25°	7956.7	7935.6	7900.4	7893.4	7879.3	7678.8	8808.0	8853.7	8723.6	8649.7
27.5°	7425.6	7411.5	7372.8	7369.3	7207.5	6722.1	6845.2	7932.1	7896.9	7868.8
30°	6859.2	6831.1	6810.0	6810.0	6321.1	5821.6	5621.1	6915.5	6915.5	6890.9
32.5°	6243.7	6219.1	6226.1	6141.7	5557.7	5100.5	4783.9	5969.3	6338.6	6317.5
35°	3816.6	3809.5	4523.6	5462.8	4776.9	4361.8	4340.7	5107.5	5645.7	5702.0
37.5°	3398.0	3376.9	3387.4	3447.2	4090.9	3925.6	3918.6	4048.7	4805.0	4833.1
40°	3049.7	3035.7	3025.1	2810.5	2606.5	3503.5	3478.9	3394.4	4105.0	4154.2
42.5°	2719.1	2705.0	2705.0	2402.5	2071.8	2880.9	2891.4	2792.9	3461.3	3478.9
45°	2377.9	2367.3	2307.5	1917.1	1822.1	1913.6	2395.5	2282.9	2747.2	2930.1
47.5°	1122.1	1115.1	1614.6	1593.5	1586.4	1530.1	1829.1	1892.4	2180.9	2363.8
50°	900.5	893.5	851.3	749.2	1305.0	1160.8	1319.1	1456.3	1547.7	1716.6
52.5°	745.7	738.7	650.7	576.9	724.6	847.7	787.9	974.4	970.8	1153.8
55°	488.9	453.8	499.5	471.4	379.9	615.6	601.5	738.7	721.1	879.4
57.5°	10.6	10.6	24.6	267.3	239.2	260.3	344.7	422.1	474.9	520.6
60°	3.5	3.5	7.0	14.1	98.5	109.0	133.7	154.8	218.1	270.9
62.5°	0.0	0.0	3.5	7.0	14.1	56.3	63.3	73.9	102.0	140.7
65°	0.0	0.0	0.0	3.5	7.0	14.1	21.1	45.7	63.3	80.9
67.5°	0.0	0.0	0.0	3.5	3.5	7.0	14.1	21.1	28.1	56.3
70°	0.0	0.0	0.0	3.5	3.5	7.0	10.6	14.1	21.1	28.1
72.5°	0.0	0.0	0.0	3.5	3.5	10.6	7.0	10.6	14.1	17.6
75°	0.0	0.0	0.0	3.5	3.5	3.5	7.0	10.6	10.6	14.1
77.5°	0.0	0.0	0.0	3.5	7.0	7.0	7.0	7.0	7.0	10.6
80°	0.0	0.0	0.0	3.5	3.5	7.0	10.6	14.1	7.0	7.0
82.5°	0.0	0.0	0.0	7.0	3.5	14.1	21.1	17.6	7.0	3.5
85°	0.0	0.0	0.0	3.5	14.1	17.6	17.6	10.6	3.5	3.5
87.5°	0.0	0.0	0.0	3.5	3.5	7.0	10.6	10.6	3.5	3.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P636641

CATALOG NUMBER: IFLD-L-SA7A-935-U-66-VI

**CANDELA DISTRIBUTION (continued):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
14682.3	0°	14682.3	14682.3	14682.3	14682.3	14682.3	14682.3	14682.3	14682.3	14682.3
14629.5	2.5°	14548.6	14685.8	14808.9	14731.6	14703.4	14647.1	14604.9	14559.2	14555.7
14502.9	5°	14422.0	14552.2	14671.8	14580.3	14587.3	14559.2	14531.1	14520.5	14527.5
14372.8	7.5°	14313.0	14422.0	14552.2	14474.8	14495.9	14478.3	14464.2	14443.1	14474.8
14203.9	10°	14147.6	14246.1	14397.4	14323.5	14313.0	14295.4	14281.3	14242.6	14260.2
13897.9	12.5°	13785.3	13908.4	14080.8	13996.4	14024.5	13975.3	13954.2	13929.6	13933.1
13366.7	15°	13292.9	13387.8	13563.7	13496.9	13518.0	13486.3	13486.3	13486.3	13511.0
12402.9	17.5°	12434.6	12628.1	12905.9	12821.5	12853.2	12860.2	12853.2	12877.8	12909.5
11031.1	20°	11038.1	11368.8	11875.3	12040.6	12107.5	12111.0	12061.7	12121.5	12184.8
9747.2	22.5°	9754.2	10102.4	10549.2	11002.9	11284.3	11270.3	11277.3	11316.0	11382.8
8604.0	25°	8642.7	8976.8	9381.3	9785.9	10401.4	10528.1	10531.6	10566.8	10619.5
7823.1	27.5°	7840.6	7970.8	8340.1	8748.2	9409.5	9814.0	9792.9	9824.6	9880.8
6845.2	30°	6873.3	7372.8	7457.2	7707.0	8276.8	9019.0	9022.5	9057.7	9114.0
6268.3	32.5°	6250.7	6581.4	6841.7	6848.7	7334.1	8097.4	8248.7	8283.9	8322.6
5670.3	35°	5666.8	5705.5	6057.2	6155.7	6437.1	7193.4	7460.8	7481.9	7545.2
4822.6	37.5°	4903.5	5132.1	5230.6	5582.4	5596.4	6208.5	6739.7	6718.5	6767.8
4150.7	40°	4203.5	4421.6	4671.3	4928.1	4963.3	5420.6	6008.0	6029.1	6050.2
3443.7	42.5°	3471.8	3749.7	4006.5	4178.9	4418.1	4681.9	5241.2	5339.7	5388.9
2951.2	45°	3004.0	3081.4	3387.4	3640.7	3883.4	4006.5	4530.6	4710.0	4741.7
2335.7	47.5°	2367.3	2627.6	2835.2	3049.7	3352.2	3461.3	3841.2	4090.9	4115.5
1734.2	50°	1829.1	2015.6	2300.5	2494.0	2845.7	2905.5	3165.8	3489.4	3521.1
1160.8	52.5°	1308.5	1561.8	1839.7	2026.1	2363.8	2441.2	2634.7	2944.2	2965.3
889.9	55°	939.2	1104.5	1333.2	1600.5	1846.7	2019.1	2152.7	2448.2	2476.4
583.9	57.5°	640.2	795.0	889.9	1157.3	1305.0	1491.4	1600.5	1825.6	1846.7
277.9	60°	306.0	379.9	453.8	587.4	682.4	840.7	911.0	1002.5	1027.1
168.8	62.5°	197.0	232.2	295.5	351.8	443.2	541.7	569.8	647.2	675.4
105.5	65°	130.1	165.3	232.2	246.2	337.7	415.1	450.2	506.5	538.2
63.3	67.5°	73.9	116.1	172.4	204.0	267.3	341.2	379.9	429.1	457.3
42.2	70°	49.2	95.0	137.2	168.8	211.1	274.4	323.6	365.8	383.4
21.1	72.5°	28.1	59.8	95.0	133.7	168.8	228.6	274.4	309.5	204.0
14.1	75°	17.6	45.7	80.9	112.6	140.7	182.9	221.6	218.1	91.5
10.6	77.5°	14.1	35.2	70.4	95.0	116.1	126.6	158.3	179.4	70.4
7.0	80°	10.6	28.1	63.3	80.9	45.7	91.5	123.1	133.7	49.2
7.0	82.5°	7.0	17.6	52.8	56.3	31.7	66.8	98.5	87.9	35.2
3.5	85°	3.5	10.6	17.6	31.7	28.1	31.7	24.6	35.2	24.6
3.5	87.5°	3.5	7.0	14.1	14.1	14.1	10.6	14.1	14.1	14.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
14682.3  
*14640.1*  
14615.5  
14562.7  
14344.6  
14035.1  
13521.5  
13015.0  
12227.0  
11393.4  
10711.0  
9933.6  
9212.5  
8410.5  
7612.0  
6827.6  
6117.0  
5459.3  
4819.1  
4175.3  
3566.8  
3004.0  
2501.0  
1888.9  
1055.3  
682.4  
538.2  
453.8  
379.9  
165.3  
91.5  
70.4  
52.8  
35.2  
24.6  
14.1  
0.0

(END OF REPORT)