

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: P636612

Luminaire Tested: **IFLD-L-SA7A-930-U-66-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636612  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7A-930-U-66-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor  
Light Source: (112) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15950 lumens  
Efficiency: N/A  
Efficacy: 73.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G1

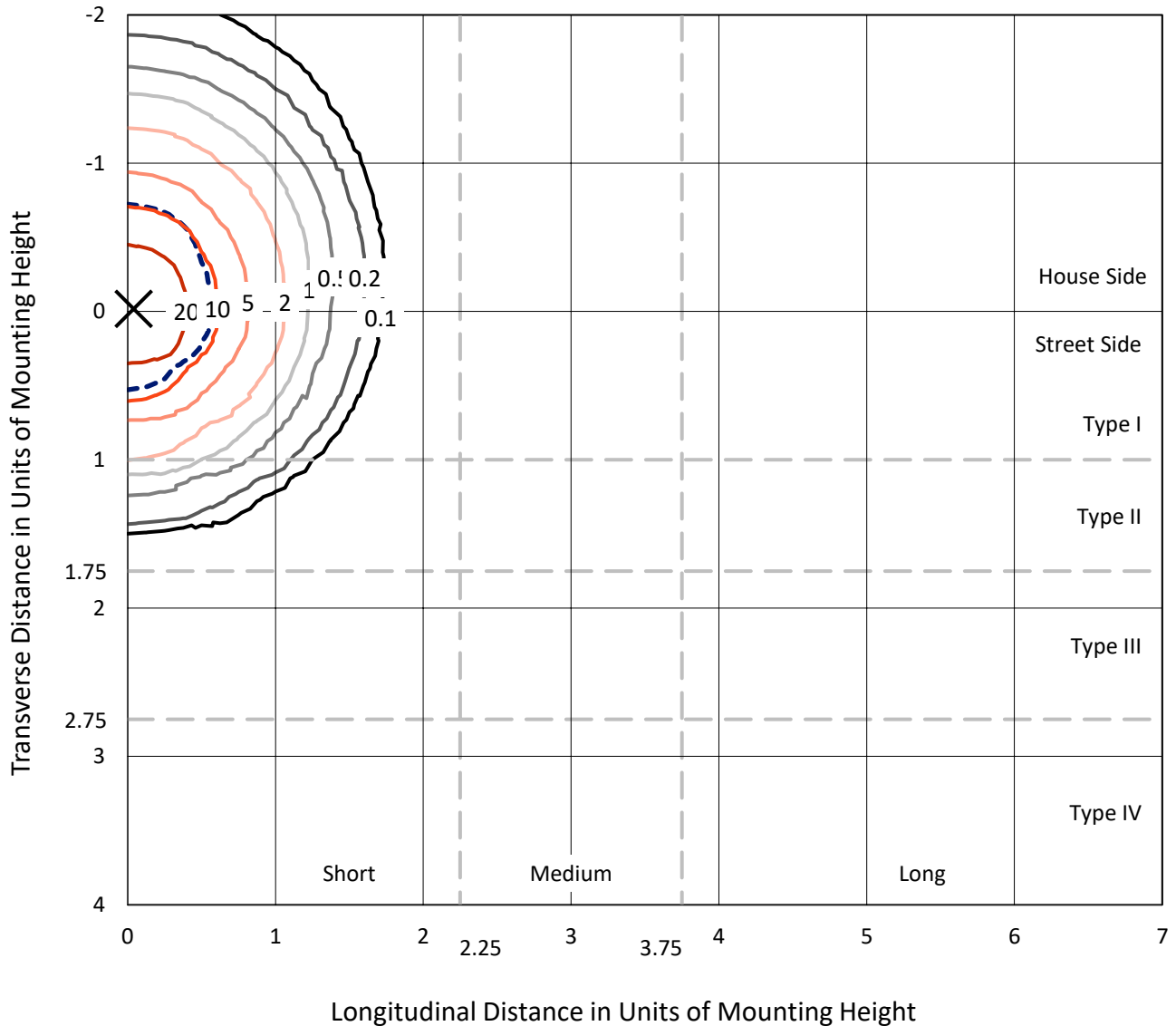
Input Watts (W): 217.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

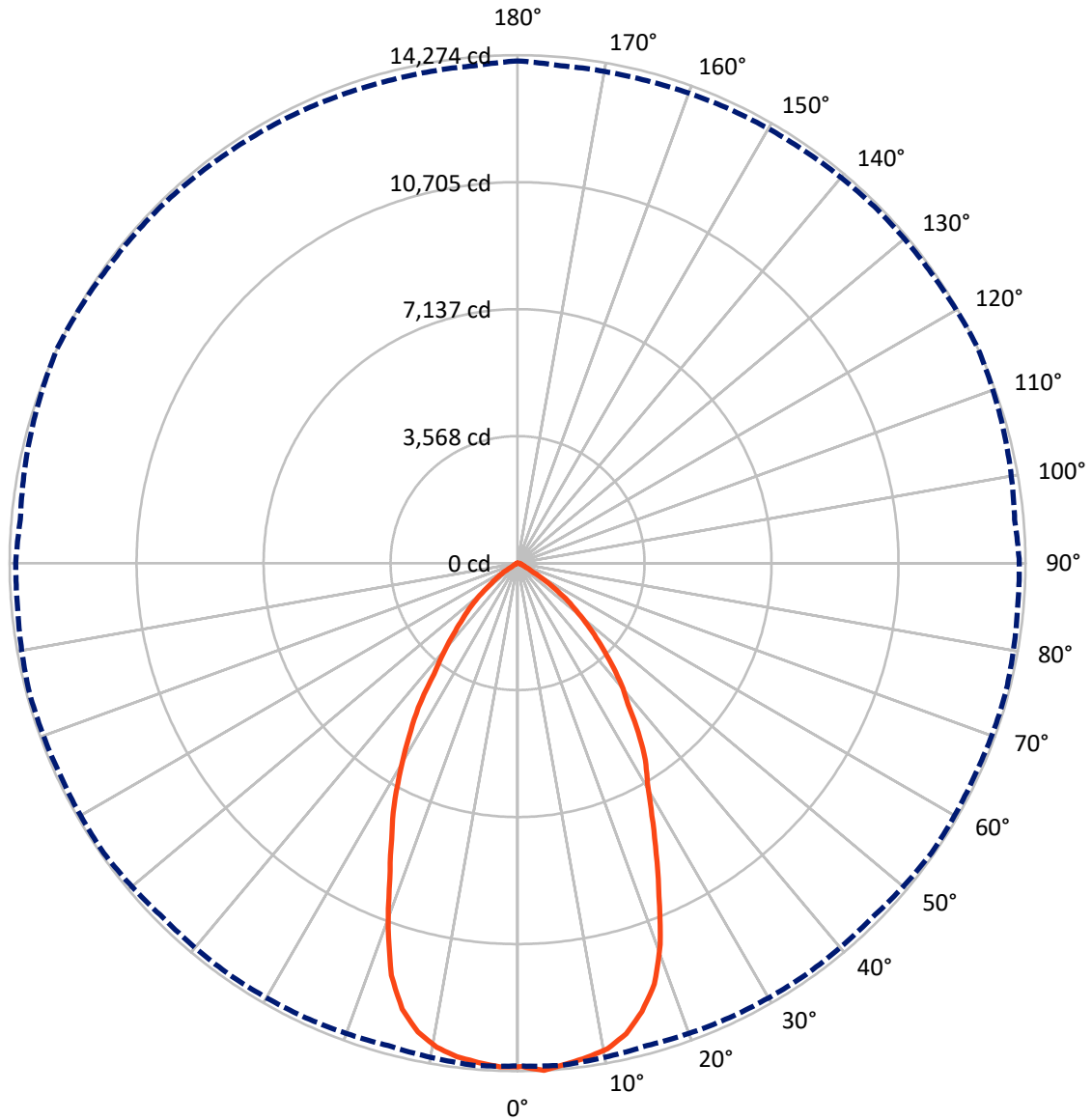
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 35.4 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9128.0	0.0	9128.0
	% Fixture	57.2	0.0	57.2
<b>Street Side</b>	Lumens	6822.0	0.0	6822.0
	% Fixture	42.8	0.0	42.8
<b>Total</b>	Lumens	15950.0	0.0	15950.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1332.9	8.4
10°-20°	3534.2	22.2
20°-30°	4042.4	25.3
30°-40°	3464.2	21.7
40°-50°	2290.7	14.4
50°-60°	999.5	6.3
60°-70°	196.4	1.2
70°-80°	70.9	0.4
80°-90°	18.9	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°	15950.0	100.0
0°-180°	15950.0	100.0



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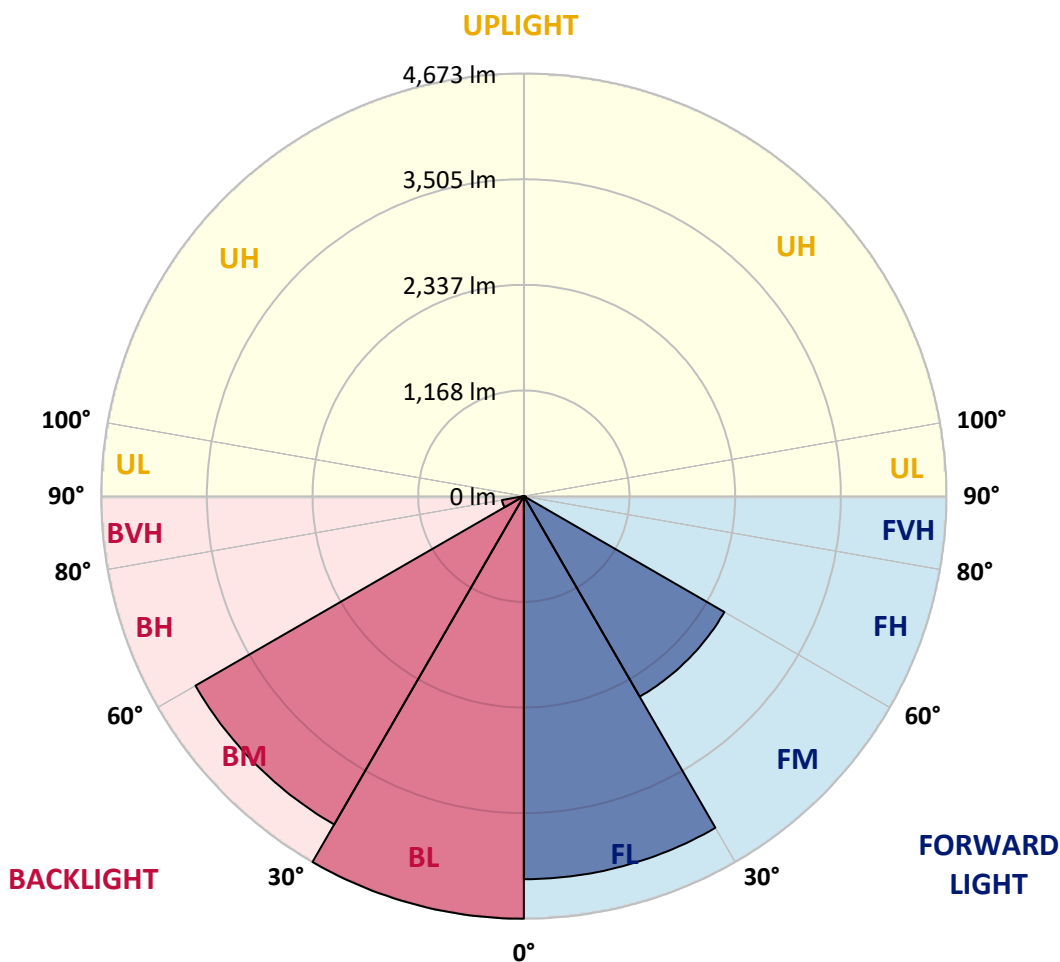
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4236.0	26.6			
FM (30°-60°)	2561.2	16.1			
FH (60°-80°)	21.7	0.1			G0/660
FVH (80°-90°)	3.1	0.0			G0/10
BL (0°-30°)	4673.5	29.3	B4/5000		
BM (30°-60°)	4193.2	26.3	B3/5000		
BH (60°-80°)	245.6	1.5	B1/500		G1/500
BVH (80°-90°)	15.7	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	14151.6	14151.6	14151.6	14151.6	14151.6	14151.6	14151.6	14151.6	14151.6	14151.6
2.5°	14131.3	14165.2	14036.3	14094.0	14117.7	14087.2	14199.1	14165.2	14192.3	14107.5
5°	14131.3	14165.2	14016.0	14043.1	14049.9	13992.3	14114.3	14073.6	14077.0	13988.9
7.5°	14043.1	14083.8	13948.2	13968.5	13971.9	13924.5	14029.6	13971.9	13951.6	13860.0
10°	13805.8	13829.5	13707.5	13758.3	13805.8	13761.7	13853.3	13788.8	13788.8	13707.5
12.5°	13429.5	13473.5	13337.9	13398.9	13439.6	13388.8	13493.9	13470.1	13473.5	13392.2
15°	12744.6	12592.0	12754.8	12876.8	12880.2	12870.0	12968.4	12944.6	12961.6	12839.5
17.5°	9415.2	9377.9	9567.8	11008.7	12080.1	12225.9	12242.8	12114.0	12056.3	11937.7
20°	8723.6	8750.7	8710.0	8716.8	9561.0	11313.8	11208.7	10890.0	10744.2	10625.6
22.5°	8218.4	8174.3	8147.2	8130.2	8154.0	9296.5	10052.6	9571.2	9493.2	9435.5
25°	7669.1	7648.8	7614.9	7608.1	7594.5	7401.3	8489.6	8533.7	8408.2	8337.0
27.5°	7157.2	7143.6	7106.3	7102.9	6947.0	6479.1	6597.8	7645.4	7611.5	7584.4
30°	6611.3	6584.2	6563.9	6563.9	6092.6	5611.1	5417.9	6665.6	6665.6	6641.8
32.5°	6018.0	5994.3	6001.0	5919.7	5356.9	4916.1	4611.0	5753.5	6109.5	6089.2
35°	3678.6	3671.8	4360.1	5265.3	4604.2	4204.1	4183.8	4922.9	5441.6	5495.9
37.5°	3275.1	3254.8	3265.0	3322.6	3943.1	3783.7	3776.9	3902.4	4631.3	4658.4
40°	2939.5	2925.9	2915.8	2708.9	2512.3	3376.9	3353.1	3271.8	3956.6	4004.1
42.5°	2620.8	2607.2	2607.2	2315.7	1997.0	2776.8	2786.9	2692.0	3336.2	3353.1
45°	2291.9	2281.8	2224.1	1847.8	1756.2	1844.4	2308.9	2200.4	2647.9	2824.2
47.5°	1081.5	1074.8	1556.2	1535.9	1529.1	1474.8	1763.0	1824.0	2102.1	2278.4
50°	867.9	861.2	820.5	722.2	1257.8	1118.8	1271.4	1403.6	1491.8	1654.5
52.5°	718.8	712.0	627.2	556.0	698.4	817.1	759.5	939.1	935.8	1112.1
55°	471.3	437.4	481.4	454.3	366.2	593.3	579.8	712.0	695.0	847.6
57.5°	10.2	10.2	23.7	257.7	230.5	250.9	332.3	406.9	457.7	501.8
60°	3.4	3.4	6.8	13.6	94.9	105.1	128.8	149.2	210.2	261.1
62.5°	0.0	0.0	3.4	6.8	13.6	54.2	61.0	71.2	98.3	135.6
65°	0.0	0.0	0.0	3.4	6.8	13.6	20.3	44.1	61.0	78.0
67.5°	0.0	0.0	0.0	3.4	3.4	6.8	13.6	20.3	27.1	54.2
70°	0.0	0.0	0.0	3.4	3.4	6.8	10.2	13.6	20.3	27.1
72.5°	0.0	0.0	0.0	3.4	3.4	10.2	6.8	10.2	13.6	17.0
75°	0.0	0.0	0.0	3.4	3.4	3.4	6.8	10.2	10.2	13.6
77.5°	0.0	0.0	0.0	3.4	6.8	6.8	6.8	6.8	6.8	10.2
80°	0.0	0.0	0.0	3.4	3.4	6.8	10.2	13.6	6.8	6.8
82.5°	0.0	0.0	0.0	6.8	3.4	13.6	20.3	17.0	6.8	3.4
85°	0.0	0.0	0.0	3.4	13.6	17.0	17.0	10.2	3.4	3.4
87.5°	0.0	0.0	0.0	3.4	3.4	6.8	10.2	10.2	3.4	3.4
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°
14151.6	0°	14151.6	14151.6	14151.6	14151.6	14151.6	14151.6	14151.6	14151.6	14151.6
14100.8	2.5°	14022.8	14155.0	14273.7	14199.1	14172.0	14117.7	14077.0	14033.0	14029.6
13978.7	5°	13900.7	14026.2	14141.5	14053.3	14060.1	14033.0	14005.8	13995.7	14002.4
13853.3	7.5°	13795.6	13900.7	14026.2	13951.6	13971.9	13955.0	13941.4	13921.1	13951.6
13690.5	10°	13636.3	13731.2	13877.0	13805.8	13795.6	13778.7	13765.1	13727.8	13744.8
13395.6	12.5°	13287.1	13405.7	13571.9	13490.5	13517.6	13470.1	13449.8	13426.1	13429.5
12883.6	15°	12812.4	12903.9	13073.5	13009.1	13029.4	12998.9	12998.9	12998.9	13022.6
11954.6	17.5°	11985.1	12171.6	12439.5	12358.1	12388.6	12395.4	12388.6	12412.3	12442.9
10632.4	20°	10639.1	10957.8	11446.1	11605.4	11669.8	11673.2	11625.8	11683.4	11744.4
9394.9	22.5°	9401.6	9737.3	10167.9	10605.2	10876.5	10862.9	10869.7	10907.0	10971.4
8293.0	25°	8330.3	8652.4	9042.3	9432.2	10025.5	10147.5	10150.9	10184.8	10235.7
7540.3	27.5°	7557.3	7682.7	8038.7	8432.0	9069.4	9459.3	9438.9	9469.4	9523.7
6597.8	30°	6624.9	7106.3	7187.7	7428.4	7977.7	8693.0	8696.4	8730.3	8784.6
6041.7	32.5°	6024.8	6343.5	6594.4	6601.2	7069.0	7804.8	7950.5	7984.4	8021.7
5465.4	35°	5462.0	5499.3	5838.3	5933.2	6204.5	6933.4	7191.1	7211.4	7272.5
4648.3	37.5°	4726.2	4946.6	5041.6	5380.6	5394.2	5984.1	6496.0	6475.7	6523.2
4000.7	40°	4051.6	4261.8	4502.5	4750.0	4783.9	5224.6	5790.8	5811.2	5831.5
3319.2	42.5°	3346.3	3614.2	3861.7	4027.8	4258.4	4512.7	5051.7	5146.7	5194.1
2844.6	45°	2895.4	2970.0	3265.0	3509.1	3743.0	3861.7	4366.9	4539.8	4570.3
2251.2	47.5°	2281.8	2532.6	2732.7	2939.5	3231.1	3336.2	3702.3	3943.1	3966.8
1671.5	50°	1763.0	1942.7	2217.3	2403.8	2742.9	2800.5	3051.4	3363.3	3393.8
1118.8	52.5°	1261.2	1505.3	1773.2	1952.9	2278.4	2353.0	2539.4	2837.8	2858.1
857.8	55°	905.2	1064.6	1285.0	1542.6	1780.0	1946.1	2074.9	2359.7	2386.9
562.8	57.5°	617.1	766.2	857.8	1115.4	1257.8	1437.5	1542.6	1759.6	1780.0
267.8	60°	295.0	366.2	437.4	566.2	657.7	810.3	878.1	966.3	990.0
162.7	62.5°	189.9	223.8	284.8	339.0	427.2	522.1	549.2	623.8	651.0
101.7	65°	125.4	159.3	223.8	237.3	325.5	400.1	434.0	488.2	518.7
61.0	67.5°	71.2	111.9	166.1	196.6	257.7	328.9	366.2	413.6	440.8
40.7	70°	47.5	91.5	132.2	162.7	203.4	264.5	311.9	352.6	369.6
20.3	72.5°	27.1	57.6	91.5	128.8	162.7	220.4	264.5	298.4	196.6
13.6	75°	17.0	44.1	78.0	108.5	135.6	176.3	213.6	210.2	88.2
10.2	77.5°	13.6	33.9	67.8	91.5	111.9	122.1	152.6	172.9	67.8
6.8	80°	10.2	27.1	61.0	78.0	44.1	88.2	118.7	128.8	47.5
6.8	82.5°	6.8	17.0	50.9	54.2	30.5	64.4	94.9	84.8	33.9
3.4	85°	3.4	10.2	17.0	30.5	27.1	30.5	23.7	33.9	23.7
3.4	87.5°	3.4	6.8	13.6	13.6	13.6	10.2	13.6	13.6	13.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
14151.6  
*14110.9*  
14087.2  
14036.3  
13826.1  
13527.8  
13032.8  
12544.6  
11785.1  
10981.6  
10323.8  
9574.6  
8879.5  
8106.5  
7336.9  
6580.8  
5895.9  
5261.9  
4644.9  
4024.4  
3437.9  
2895.4  
2410.6  
1820.7  
1017.1  
657.7  
518.7  
437.4  
366.2  
159.3  
88.2  
67.8  
50.9  
33.9  
23.7  
13.6  
0.0

(END OF REPORT)