

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: P638371

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

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P638371  
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-LAM-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/  
Lambertian distribution lens and Visor  
Light Source: (96) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18114.2 lumens  
Efficiency: N/A  
Efficacy: 95.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G2

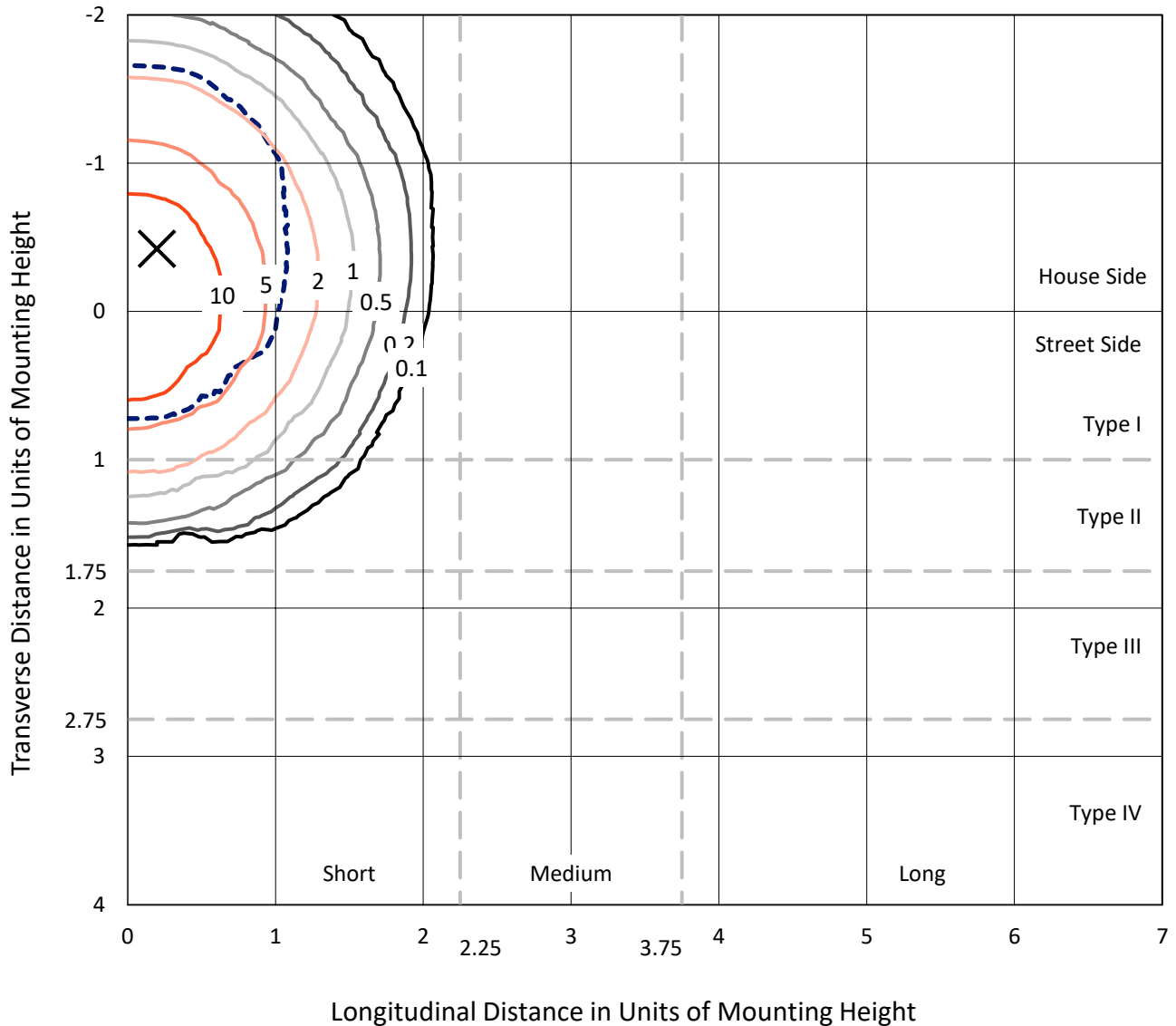
Input Watts (W): 189.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

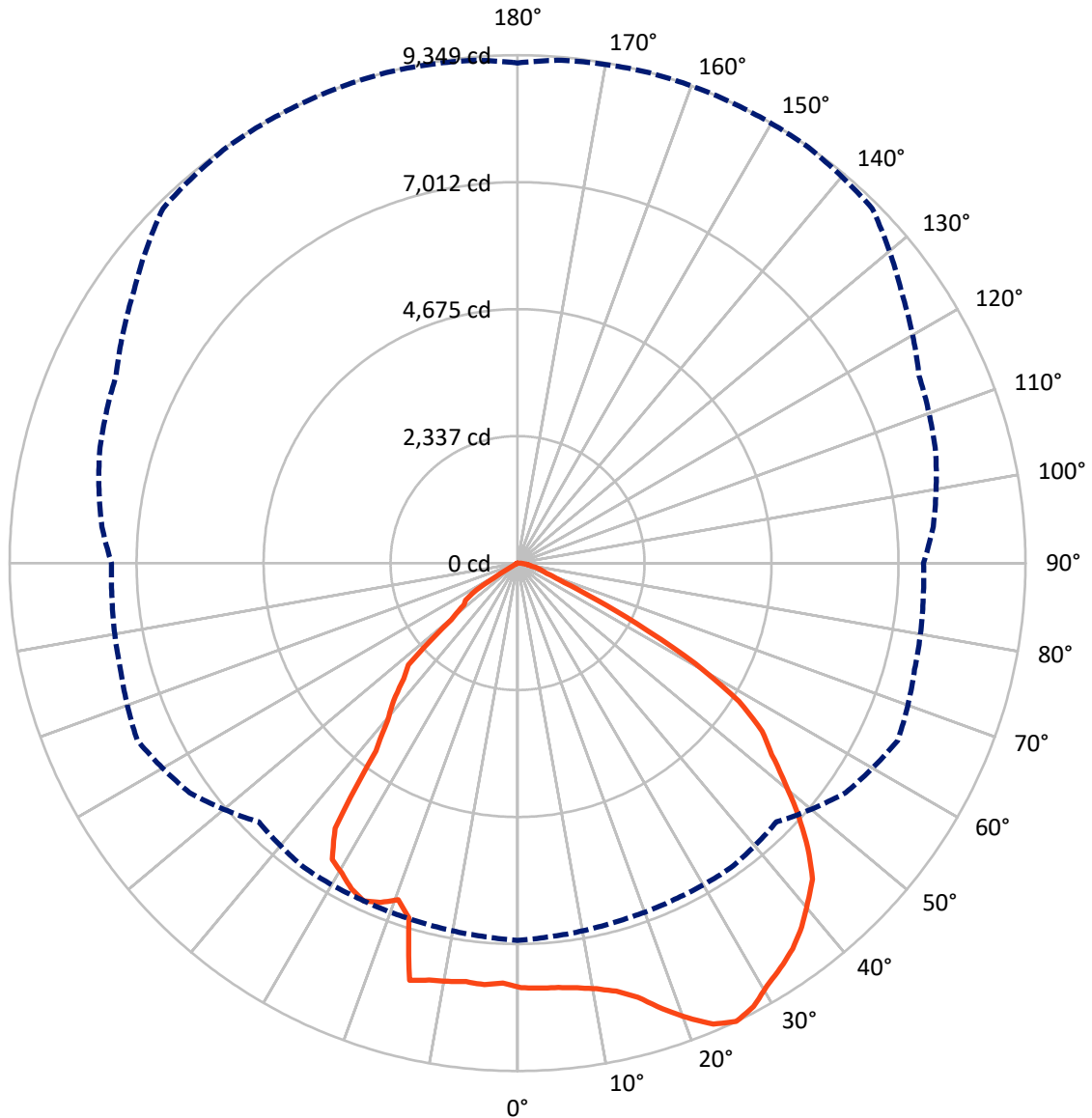
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 19.5 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 155-Deg Lateral      - - - Horizontal Cone Through 25-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11214.5	0.0	11214.5
	% Fixture	61.9	0.0	61.9
<b>Street Side</b>	Lumens	6899.6	0.0	6899.6
	% Fixture	38.1	0.0	38.1
<b>Total</b>	Lumens	18114.2	0.0	18114.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	749.8	4.1
10°-20°	2289.6	12.6
20°-30°	3619.7	20.0
30°-40°	4088.8	22.6
40°-50°	3829.2	21.1
50°-60°	2640.0	14.6
60°-70°	709.3	3.9
70°-80°	147.8	0.8
80°-90°	40.0	0.2
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°	18114.2	100.0
0°-180°	18114.2	100.0



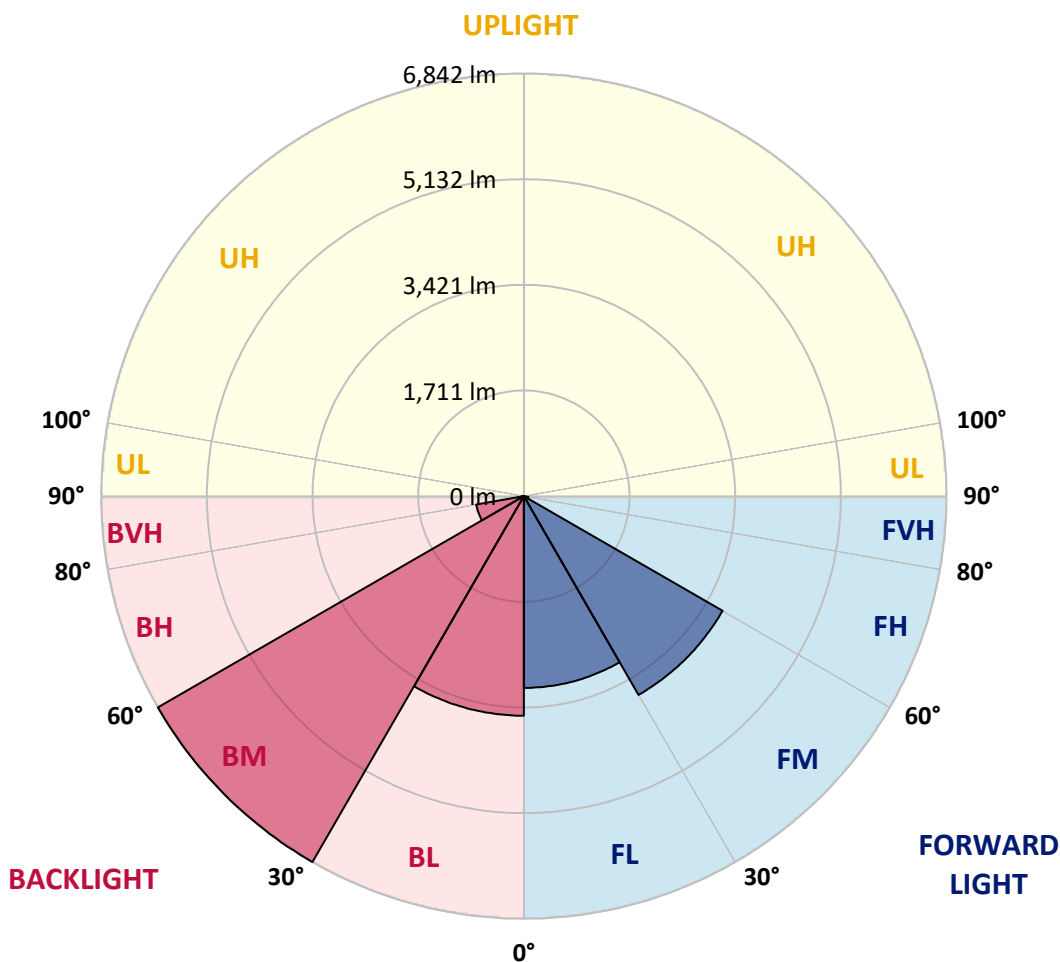
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3104.2	17.1			
FM (30°-60°)	3715.6	20.5			
FH (60°-80°)	74.5	0.4			G0/660
FVH (80°-90°)	5.4	0.0			G0/10
BL (0°-30°)	3554.9	19.6	B4/5000		
BM (30°-60°)	6842.4	37.8	B4/8500		
BH (60°-80°)	782.6	4.3	B2/1000		G2/1000
BVH (80°-90°)	34.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7815.9	7815.9	7815.9	7815.9	7815.9	7815.9	7815.9	7815.9	7815.9	7815.9
2.5°	7850.6	7800.0	7752.1	7736.1	7802.6	7874.5	7829.3	7831.9	7815.9	7845.2
5°	7909.1	7839.9	7808.0	7784.0	7794.6	7869.2	7805.3	7829.3	7802.6	7837.2
7.5°	7887.8	7839.9	7808.0	7762.7	7797.3	7885.2	7823.9	7826.6	7813.3	7845.2
10°	7874.5	7839.9	7800.0	7805.3	7845.2	7919.8	7871.8	7898.5	7879.8	7898.5
12.5°	7906.5	7869.2	7847.9	7847.9	7882.5	7967.7	7943.7	7967.7	7959.7	7975.7
15°	7605.6	7640.2	7842.6	7933.1	8002.3	8087.5	8076.8	8100.8	8106.1	8130.1
17.5°	6415.7	6381.1	6365.1	6831.0	8068.8	8332.4	8324.4	8321.7	8295.1	8276.5
20°	6572.7	6559.4	6540.8	6575.4	6713.8	8460.2	8513.4	8186.0	8090.1	8082.2
22.5°	6823.0	6801.7	6732.5	6735.1	6777.7	7355.4	8249.9	7951.7	7919.8	7901.1
25°	6945.4	6902.8	6846.9	6831.0	6844.3	6737.8	7368.7	7722.8	7565.7	7493.8
27.5°	6729.8	6732.5	6687.2	6729.8	6679.2	6200.0	5931.2	7275.5	7270.2	7238.3
30°	6567.4	6559.4	6506.2	6559.4	6210.7	5675.6	5561.1	6785.7	6729.8	6687.2
32.5°	6069.6	6074.9	6229.3	6437.0	5864.6	5441.3	5095.3	6061.6	6591.4	6567.4
35°	4341.9	4352.5	4900.9	5925.8	5340.2	4975.5	4948.9	5239.0	6373.1	6383.7
37.5°	4179.5	4179.5	4166.2	4333.9	4927.6	4786.5	4839.7	4810.4	5838.0	5864.6
40°	4062.4	4038.4	4019.8	3756.2	3426.1	4653.4	4690.6	4557.5	5518.5	5523.9
42.5°	3921.3	3894.7	3900.0	3412.8	3066.7	4323.3	4219.4	4041.1	4986.1	4991.4
45°	3663.1	3708.3	3740.3	2986.9	2960.3	3088.0	3892.0	3780.2	4626.7	4725.2
47.5°	1863.5	1903.4	2920.3	2747.3	2808.5	2744.6	3287.7	3290.4	3849.4	4176.8
50°	1690.4	1679.8	1682.5	1602.6	2592.9	2220.2	2377.3	3016.2	3082.7	3551.3
52.5°	1576.0	1573.3	1410.9	1253.9	1629.2	1954.0	1725.0	2182.9	2292.1	3008.2
55°	1166.0	1251.2	1112.8	1179.3	1019.6	1565.3	1557.3	1970.0	2007.2	2411.9
57.5°	10.6	13.3	31.9	897.1	705.5	782.7	1075.5	1344.4	1410.9	1879.4
60°	2.7	5.3	13.3	26.6	457.9	481.8	718.8	777.3	875.8	1120.7
62.5°	0.0	0.0	5.3	13.3	24.0	197.0	228.9	250.2	386.0	572.4
65°	0.0	0.0	2.7	8.0	13.3	31.9	55.9	117.1	167.7	207.6
67.5°	0.0	0.0	2.7	5.3	10.6	16.0	31.9	45.3	71.9	122.5
70°	0.0	0.0	2.7	5.3	8.0	13.3	21.3	31.9	42.6	61.2
72.5°	0.0	0.0	2.7	5.3	5.3	16.0	16.0	24.0	31.9	39.9
75°	0.0	0.0	2.7	2.7	5.3	10.6	16.0	18.6	21.3	31.9
77.5°	0.0	0.0	2.7	5.3	8.0	10.6	13.3	21.3	18.6	18.6
80°	0.0	0.0	2.7	8.0	8.0	13.3	16.0	21.3	13.3	13.3
82.5°	0.0	0.0	2.7	10.6	8.0	26.6	26.6	29.3	10.6	10.6
85°	0.0	0.0	8.0	5.3	16.0	26.6	24.0	16.0	13.3	8.0
87.5°	0.0	0.0	2.7	2.7	5.3	8.0	18.6	16.0	5.3	5.3
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°
7815.9	0°	7815.9	7815.9	7815.9	7815.9	7815.9	7815.9	7815.9	7815.9	7815.9
7768.0	2.5°	7874.5	7839.9	7911.8	7903.8	7869.2	7853.2	7834.6	7818.6	7701.5
7773.4	5°	7877.2	7823.9	7911.8	7895.8	7890.5	7863.9	7847.9	7871.8	7765.4
7794.6	7.5°	7877.2	7823.9	7919.8	7925.1	7917.1	7895.8	7893.1	7909.1	7821.3
7831.9	10°	7930.4	7909.1	7989.0	7997.0	7986.3	7981.0	7967.7	7957.0	7863.9
7959.7	12.5°	8042.2	7999.6	8090.1	8114.1	8106.1	8119.4	8087.5	8103.5	8007.6
8090.1	15°	8178.0	8180.7	8249.9	8303.1	8297.8	8340.4	8292.5	8335.1	8265.8
8239.2	17.5°	8385.6	8414.9	8513.4	8593.3	8622.6	8654.5	8622.6	8635.9	8537.4
8074.2	20°	8167.3	8276.5	8750.3	8896.8	8958.0	8987.3	8934.0	8950.0	8851.5
7871.8	22.5°	7970.3	8111.4	8532.1	8989.9	9178.9	9237.5	9218.9	9216.2	9178.9
7472.5	25°	7680.2	7965.0	8154.0	8638.5	9232.2	9338.7	9349.3	9346.7	9290.8
7227.6	27.5°	7323.5	7387.3	7877.2	8172.7	8859.5	9264.1	9248.2	9171.0	9096.4
6719.2	30°	6868.2	7158.4	7379.4	7850.6	8377.6	9035.2	9035.2	8976.6	8899.4
6538.1	32.5°	6636.6	7012.0	7217.0	7387.3	7837.2	8779.6	8886.1	8824.9	8763.7
6397.0	35°	6514.2	6570.1	7049.3	7203.7	7584.3	8287.1	8718.4	8657.2	8611.9
6021.7	37.5°	6245.3	6375.7	6599.4	7012.0	7129.1	7885.2	8494.8	8462.8	8409.6
5534.5	40°	5646.3	5995.1	6338.5	6729.8	6852.3	7368.7	8223.2	8236.6	8164.7
5015.4	42.5°	5292.3	5529.2	6066.9	6330.5	6660.6	7035.9	7959.7	7981.0	7930.4
4751.9	45°	4877.0	5140.5	5518.5	5997.7	6447.6	6578.1	7493.8	7717.4	7674.9
4227.4	47.5°	4496.3	4709.3	5172.5	5657.0	6154.8	6136.2	6958.7	7379.4	7320.8
3825.4	50°	3955.9	4328.6	4546.9	4991.4	5734.2	5784.8	6389.1	6982.7	6934.8
3250.4	52.5°	3335.6	3804.2	4222.1	4629.4	5308.2	5428.0	5859.3	6578.1	6546.1
2483.7	55°	2915.0	3255.8	3726.9	4054.4	4791.8	5111.2	5462.6	6192.1	6176.1
2041.8	57.5°	2073.8	2731.3	3120.0	3577.9	3966.5	4544.2	4805.1	5406.7	5257.7
1131.4	60°	1405.6	1714.4	2188.3	2680.7	2941.6	3519.3	3761.6	4243.4	4203.5
676.2	62.5°	742.7	1027.6	1365.7	1613.2	1802.2	2364.0	2465.1	2984.2	2970.9
271.5	65°	327.4	433.9	740.1	867.8	1062.2	1323.1	1410.9	1597.3	1552.0
133.1	67.5°	170.4	258.2	418.0	513.8	646.9	745.4	817.3	875.8	913.1
87.8	70°	103.8	189.0	258.2	356.7	444.6	524.4	580.3	660.2	708.1
45.3	72.5°	77.2	119.8	178.4	274.2	322.1	415.3	471.2	529.8	572.4
37.3	75°	42.6	79.9	143.8	215.6	258.2	338.1	388.7	428.6	441.9
21.3	77.5°	26.6	61.2	119.8	167.7	202.3	274.2	260.9	298.2	330.1
16.0	80°	18.6	45.3	93.2	138.4	141.1	175.7	207.6	239.6	260.9
10.6	82.5°	13.3	37.3	69.2	106.5	93.2	135.8	162.4	186.3	135.8
8.0	85°	10.6	26.6	34.6	63.9	53.2	95.8	82.5	79.9	53.2
5.3	87.5°	8.0	13.3	24.0	29.3	21.3	21.3	26.6	31.9	26.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
7815.9  
7621.6  
7674.9  
7720.1  
7786.7  
7922.4  
8151.4  
8452.2  
8782.3  
9059.1  
9205.6  
9037.9  
8870.1  
8713.1  
8548.0  
8356.4  
8148.7  
7925.1  
7680.2  
7363.4  
6942.8  
6567.4  
6194.7  
5241.7  
4206.1  
2973.6  
1533.4  
913.1  
710.8  
580.3  
433.9  
335.4  
263.5  
98.5  
53.2  
26.6  
0.0

(END OF REPORT)