

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: P638328

Luminaire Tested: **IFLD-L-SA8A-722-U-LAM-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P638328  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8A-722-U-LAM-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/  
Lambertian distribution lens and Visor  
Light Source: (128) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18597.8 lumens  
Efficiency: N/A  
Efficacy: 75.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G2

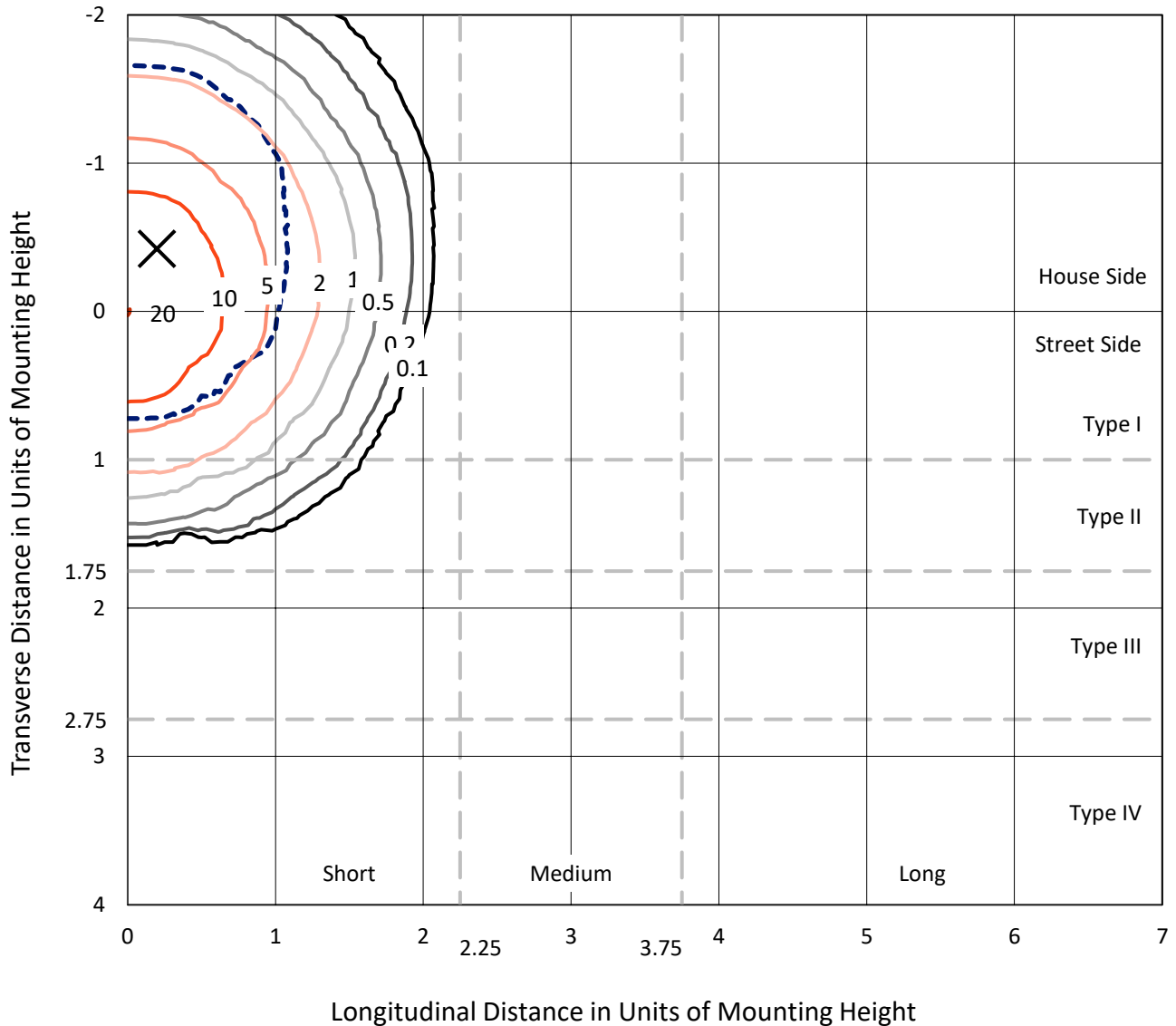
Input Watts (W): 247.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

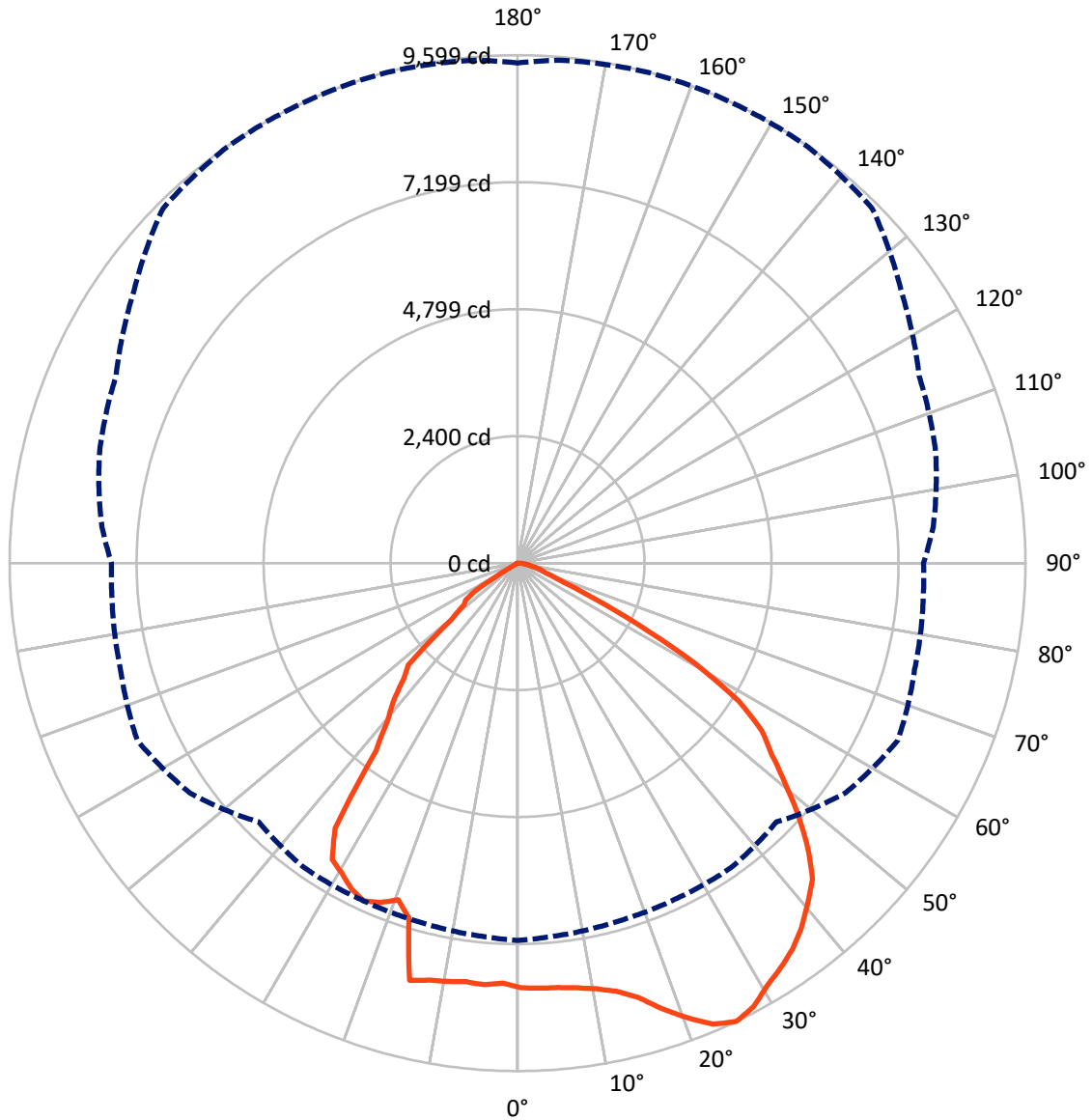
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 20.1 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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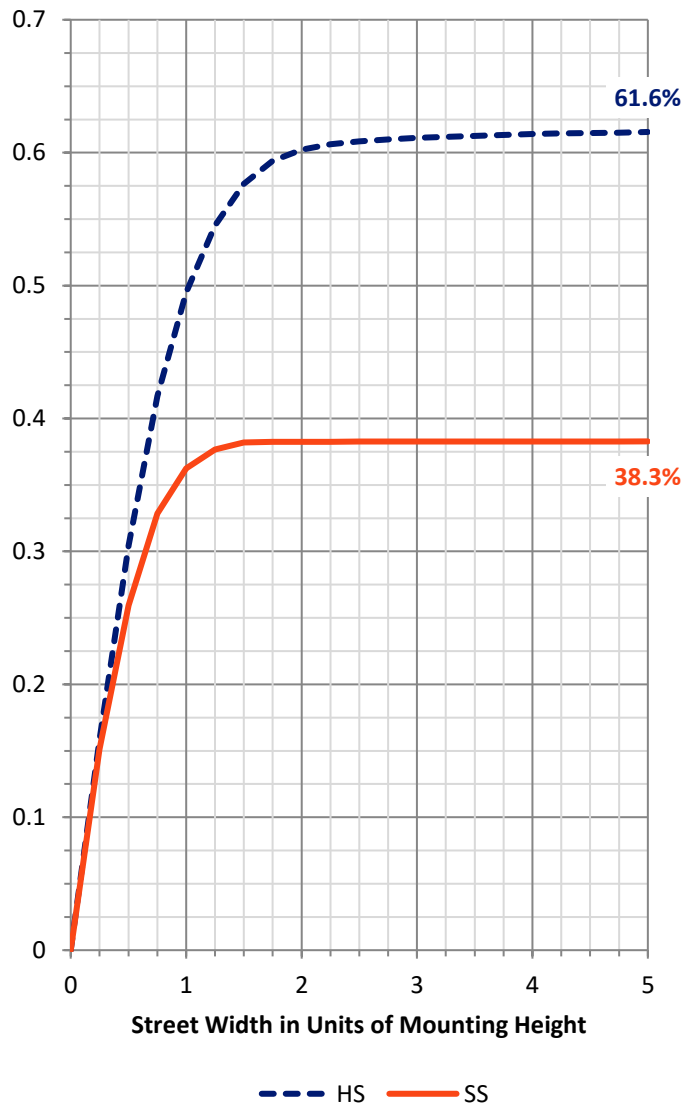
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11513.9	0.0	11513.9
	% Fixture	61.9	0.0	61.9
<b>Street Side</b>	Lumens	7083.8	0.0	7083.8
	% Fixture	38.1	0.0	38.1
<b>Total</b>	Lumens	18597.8	0.0	18597.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	769.9	4.1
10°-20°	2350.7	12.6
20°-30°	3716.3	20.0
30°-40°	4197.9	22.6
40°-50°	3931.4	21.1
50°-60°	2710.5	14.6
60°-70°	728.2	3.9
70°-80°	151.8	0.8
80°-90°	41.1	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°	18597.8	100.0
0°-180°	18597.8	100.0

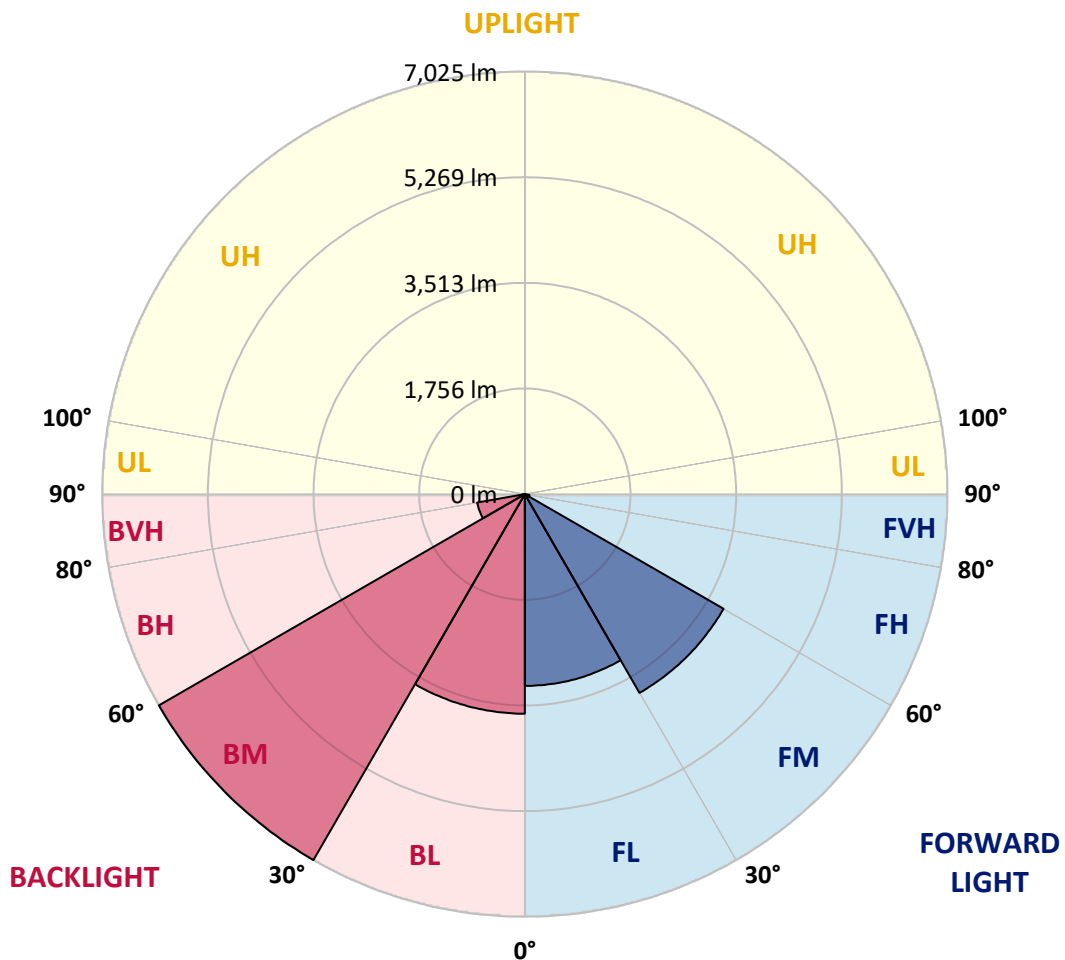


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3187.1	17.1			
FM (30°-60°)	3814.8	20.5			
FH (60°-80°)	76.5	0.4			G0/660
FVH (80°-90°)	5.5	0.0			G0/10
BL (0°-30°)	3649.8	19.6	B4/5000		
BM (30°-60°)	7025.0	37.8	B4/8500		
BH (60°-80°)	803.5	4.3	B2/1000		G2/1000
BVH (80°-90°)	35.5	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°	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6
2.5°	8060.1	8008.2	7959.0	7942.6	8010.9	8084.7	8038.3	8041.0	8024.6	8054.7
5°	8120.3	8049.2	8016.4	7991.8	8002.7	8079.3	8013.7	8038.3	8010.9	8046.5
7.5°	8098.4	8049.2	8016.4	7969.9	8005.5	8095.7	8032.8	8035.5	8021.9	8054.7
10°	8084.7	8049.2	8008.2	8013.7	8054.7	8131.2	8082.0	8109.3	8090.2	8109.3
12.5°	8117.5	8079.3	8057.4	8057.4	8092.9	8180.4	8155.8	8180.4	8172.2	8188.6
15°	7808.7	7844.2	8051.9	8144.9	8215.9	8303.4	8292.4	8317.0	8322.5	8347.1
17.5°	6586.9	6551.4	6535.0	7013.3	8284.2	8554.8	8546.6	8543.9	8516.6	8497.4
20°	6748.2	6734.5	6715.4	6750.9	6893.1	8686.0	8740.7	8404.5	8306.1	8297.9
22.5°	7005.1	6983.3	6912.2	6914.9	6958.7	7551.8	8470.1	8164.0	8131.2	8112.1
25°	7130.9	7087.1	7029.7	7013.3	7027.0	6917.7	7565.4	7928.9	7767.7	7693.9
27.5°	6909.5	6912.2	6865.7	6909.5	6857.5	6365.6	6089.5	7469.8	7464.3	7431.5
30°	6742.7	6734.5	6679.9	6734.5	6376.5	5827.1	5709.6	6966.9	6909.5	6865.7
32.5°	6231.6	6237.1	6395.6	6608.8	6021.2	5586.6	5231.3	6223.4	6767.3	6742.7
35°	4457.8	4468.7	5031.8	6084.0	5482.7	5108.3	5081.0	5378.9	6543.2	6554.2
37.5°	4291.1	4291.1	4277.4	4449.6	5059.1	4914.2	4968.9	4938.8	5993.9	6021.2
40°	4170.8	4146.2	4127.1	3856.5	3517.6	4777.6	4815.9	4679.2	5665.9	5671.3
42.5°	4026.0	3998.6	4004.1	3503.9	3148.6	4438.7	4332.1	4149.0	5119.2	5124.7
45°	3760.8	3807.3	3840.1	3066.6	3039.3	3170.5	3995.9	3881.1	4750.3	4851.4
47.5°	1913.2	1954.2	2998.3	2820.6	2883.5	2817.9	3375.5	3378.2	3952.2	4288.3
50°	1735.6	1724.6	1727.4	1645.4	2662.1	2279.5	2440.7	3096.7	3165.0	3646.1
52.5°	1618.0	1615.3	1448.6	1287.3	1672.7	2006.1	1771.1	2241.2	2353.3	3088.5
55°	1197.1	1284.6	1142.5	1210.8	1046.8	1607.1	1598.9	2022.5	2060.8	2476.3
57.5°	10.9	13.7	32.8	921.1	724.3	803.6	1104.2	1380.3	1448.6	1929.6
60°	2.7	5.5	13.7	27.3	470.1	494.7	738.0	798.1	899.2	1150.7
62.5°	0.0	0.0	5.5	13.7	24.6	202.3	235.1	256.9	396.3	587.6
65°	0.0	0.0	2.7	8.2	13.7	32.8	57.4	120.3	172.2	213.2
67.5°	0.0	0.0	2.7	5.5	10.9	16.4	32.8	46.5	73.8	125.7
70°	0.0	0.0	2.7	5.5	8.2	13.7	21.9	32.8	43.7	62.9
72.5°	0.0	0.0	2.7	5.5	5.5	16.4	16.4	24.6	32.8	41.0
75°	0.0	0.0	2.7	2.7	5.5	10.9	16.4	19.1	21.9	32.8
77.5°	0.0	0.0	2.7	5.5	8.2	10.9	13.7	21.9	19.1	19.1
80°	0.0	0.0	2.7	8.2	8.2	13.7	16.4	21.9	13.7	13.7
82.5°	0.0	0.0	2.7	10.9	8.2	27.3	27.3	30.1	10.9	10.9
85°	0.0	0.0	8.2	5.5	16.4	27.3	24.6	16.4	13.7	8.2
87.5°	0.0	0.0	2.7	2.7	5.5	8.2	19.1	16.4	5.5	5.5
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°
8024.6	0°	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6
7975.4	2.5°	8084.7	8049.2	8123.0	8114.8	8079.3	8062.9	8043.7	8027.3	7907.1
7980.9	5°	8087.5	8032.8	8123.0	8106.6	8101.1	8073.8	8057.4	8082.0	7972.7
8002.7	7.5°	8087.5	8032.8	8131.2	8136.7	8128.5	8106.6	8103.9	8120.3	8030.1
8041.0	10°	8142.1	8120.3	8202.3	8210.5	8199.5	8194.1	8180.4	8169.5	8073.8
8172.2	12.5°	8256.9	8213.2	8306.1	8330.7	8322.5	8336.2	8303.4	8319.8	8221.4
8306.1	15°	8396.3	8399.0	8470.1	8524.8	8519.3	8563.0	8513.8	8557.6	8486.5
8459.2	17.5°	8609.5	8639.6	8740.7	8822.7	8852.8	8885.5	8852.8	8866.4	8765.3
8289.7	20°	8385.4	8497.4	8983.9	9134.3	9197.1	9227.2	9172.5	9188.9	9087.8
8082.0	22.5°	8183.1	8328.0	8759.8	9229.9	9424.0	9484.1	9465.0	9462.2	9424.0
7672.0	25°	7885.2	8177.7	8371.7	8869.1	9478.6	9588.0	9598.9	9596.2	9538.8
7420.6	27.5°	7519.0	7584.6	8087.5	8390.8	9096.0	9511.4	9495.0	9415.8	9339.3
6898.5	30°	7051.6	7349.5	7576.4	8060.1	8601.3	9276.4	9276.4	9216.3	9137.0
6712.7	32.5°	6813.8	7199.2	7409.6	7584.6	8046.5	9014.0	9123.3	9060.5	8997.6
6567.8	35°	6688.1	6745.5	7237.4	7396.0	7786.8	8508.4	8951.1	8888.3	8841.8
6182.4	37.5°	6412.0	6546.0	6775.5	7199.2	7319.4	8095.7	8721.6	8688.8	8634.1
5682.3	40°	5797.1	6155.1	6507.7	6909.5	7035.2	7565.4	8442.8	8456.4	8382.6
5149.3	42.5°	5433.5	5676.8	6228.9	6499.5	6838.4	7223.8	8172.2	8194.1	8142.1
4878.7	45°	5007.2	5277.8	5665.9	6157.8	6619.7	6753.7	7693.9	7923.5	7879.7
4340.3	47.5°	4616.3	4835.0	5310.6	5808.0	6319.1	6300.0	7144.5	7576.4	7516.2
3927.6	50°	4061.5	4444.1	4668.3	5124.7	5887.3	5939.2	6559.6	7169.1	7119.9
3337.2	52.5°	3424.7	3905.7	4334.8	4753.0	5449.9	5572.9	6015.7	6753.7	6720.9
2550.1	55°	2992.8	3342.7	3826.4	4162.6	4919.7	5247.7	5608.5	6357.4	6341.0
2096.3	57.5°	2129.1	2804.2	3203.3	3673.4	4072.4	4665.5	4933.4	5551.1	5398.0
1161.6	60°	1443.1	1760.2	2246.7	2752.3	3020.2	3613.3	3862.0	4356.7	4315.7
694.2	62.5°	762.6	1055.0	1402.1	1656.3	1850.4	2427.1	2530.9	3063.9	3050.2
278.8	65°	336.2	445.5	759.8	891.0	1090.5	1358.4	1448.6	1639.9	1593.4
136.7	67.5°	174.9	265.1	429.1	527.5	664.2	765.3	839.1	899.2	937.5
90.2	70°	106.6	194.1	265.1	366.2	456.4	538.4	595.8	677.8	727.0
46.5	72.5°	79.3	123.0	183.1	281.5	330.7	426.4	483.8	543.9	587.6
38.3	75°	43.7	82.0	147.6	221.4	265.1	347.1	399.0	440.0	453.7
21.9	77.5°	27.3	62.9	123.0	172.2	207.7	281.5	267.9	306.1	338.9
16.4	80°	19.1	46.5	95.7	142.1	144.9	180.4	213.2	246.0	267.9
10.9	82.5°	13.7	38.3	71.1	109.3	95.7	139.4	166.7	191.3	139.4
8.2	85°	10.9	27.3	35.5	65.6	54.7	98.4	84.7	82.0	54.7
5.5	87.5°	8.2	13.7	24.6	30.1	21.9	21.9	27.3	32.8	27.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°
8024.6
7825.1
7879.7
7926.2
7994.5
8133.9
8369.0
8677.8
9016.7
9301.0
9451.3
9279.1
9106.9
8945.7
8776.2
8579.4
8366.2
8136.7
7885.2
7560.0
7128.1
6742.7
6360.1
5381.6
4318.4
3053.0
1574.3
937.5
729.8
595.8
445.5
344.4
270.6
101.1
54.7
27.3
0.0

(END OF REPORT)