

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: P636904

Luminaire Tested: **IFLD-L-SA7C-930-U-LAM-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636904
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-930-U-LAM-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/
Lambertian distribution lens and Visor
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20911 lumens
Efficiency: N/A
Efficacy: 56.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G2

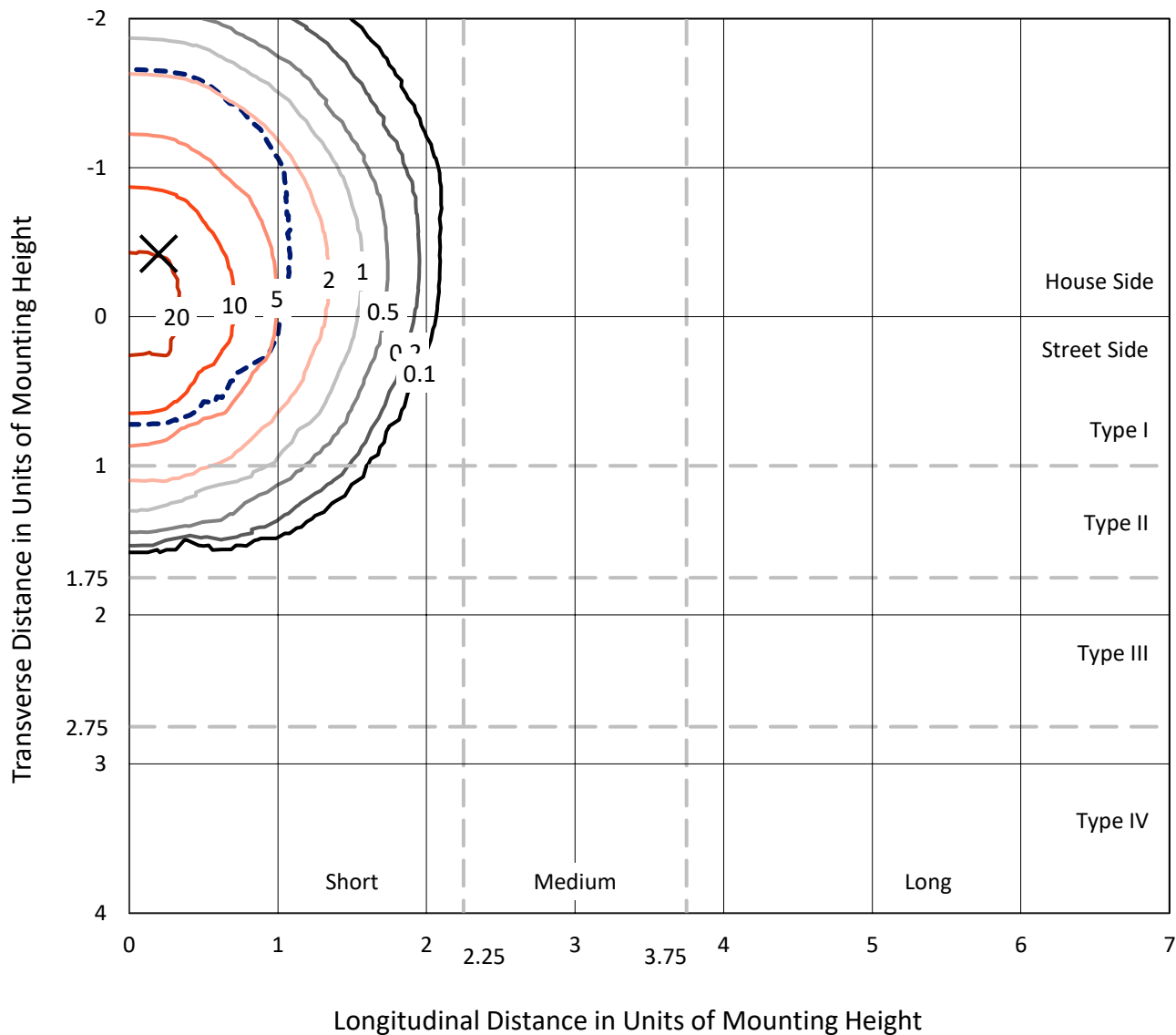
Input Watts (W): 369
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636904
 CATALOG NUMBER: IFLD-L-SA7C-930-U-LAM-VI

Iso-Footcandle Lines of Horizontal Illumination

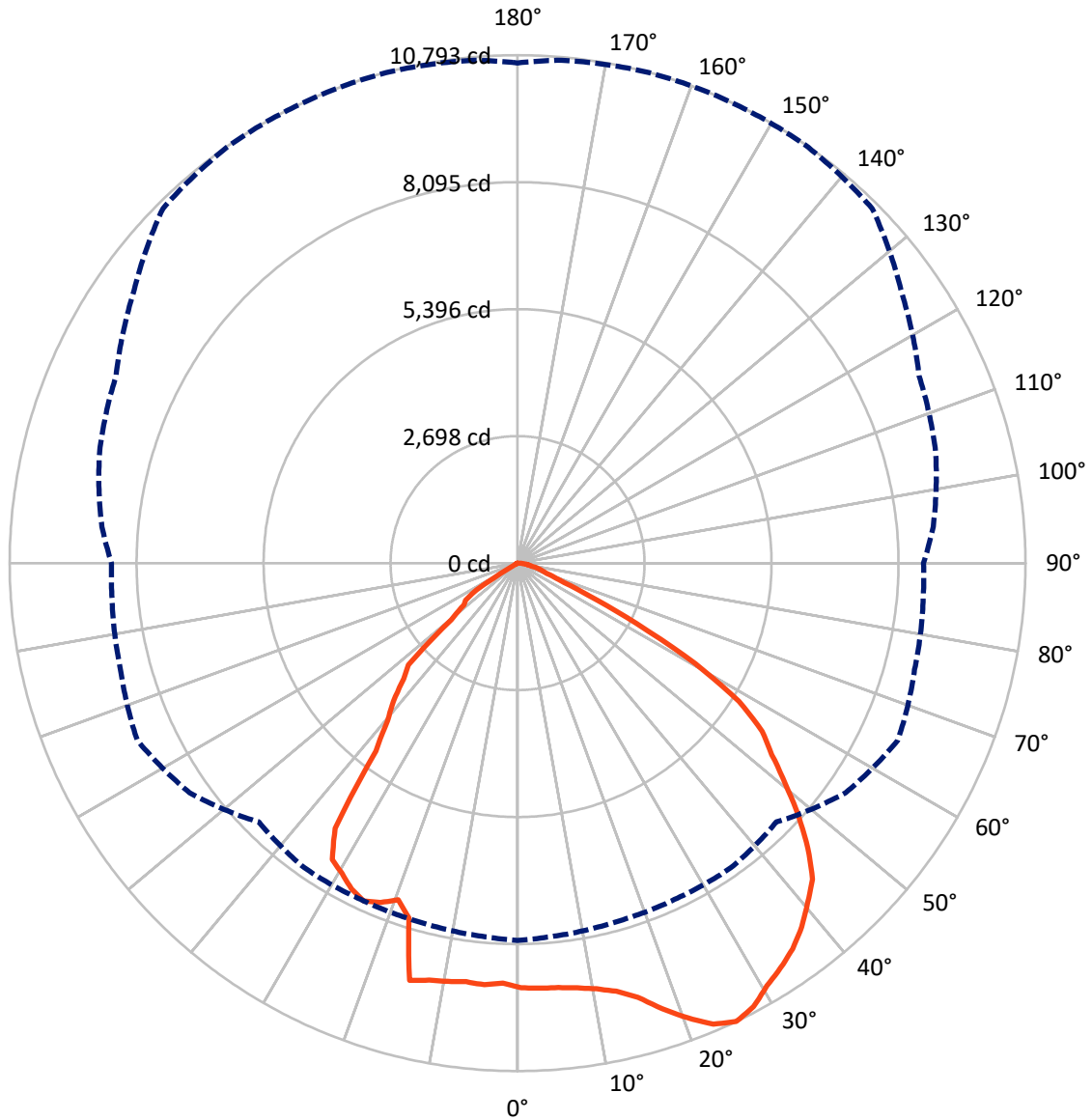
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 22.6 fc
 Type I - Short - N/A

REPORT NUMBER: P636904
CATALOG NUMBER: IFLD-L-SA7C-930-U-LAM-VI

Luminous Intensity Polar Plot



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

REPORT NUMBER: P636904

CATALOG NUMBER: IFLD-L-SA7C-930-U-LAM-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12946.1	0.0	12946.1
	% Fixture	61.9	0.0	61.9
Street Side	Lumens	7964.9	0.0	7964.9
	% Fixture	38.1	0.0	38.1
Total	Lumens	20911.0	0.0	20911.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	865.6	4.1
10°-20°	2643.1	12.6
20°-30°	4178.6	20.0
30°-40°	4720.1	22.6
40°-50°	4420.5	21.1
50°-60°	3047.6	14.6
60°-70°	818.8	3.9
70°-80°	170.6	0.8
80°-90°	46.2	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°	20911.0	100.0
0°-180°	20911.0	100.0



REPORT NUMBER: P636904

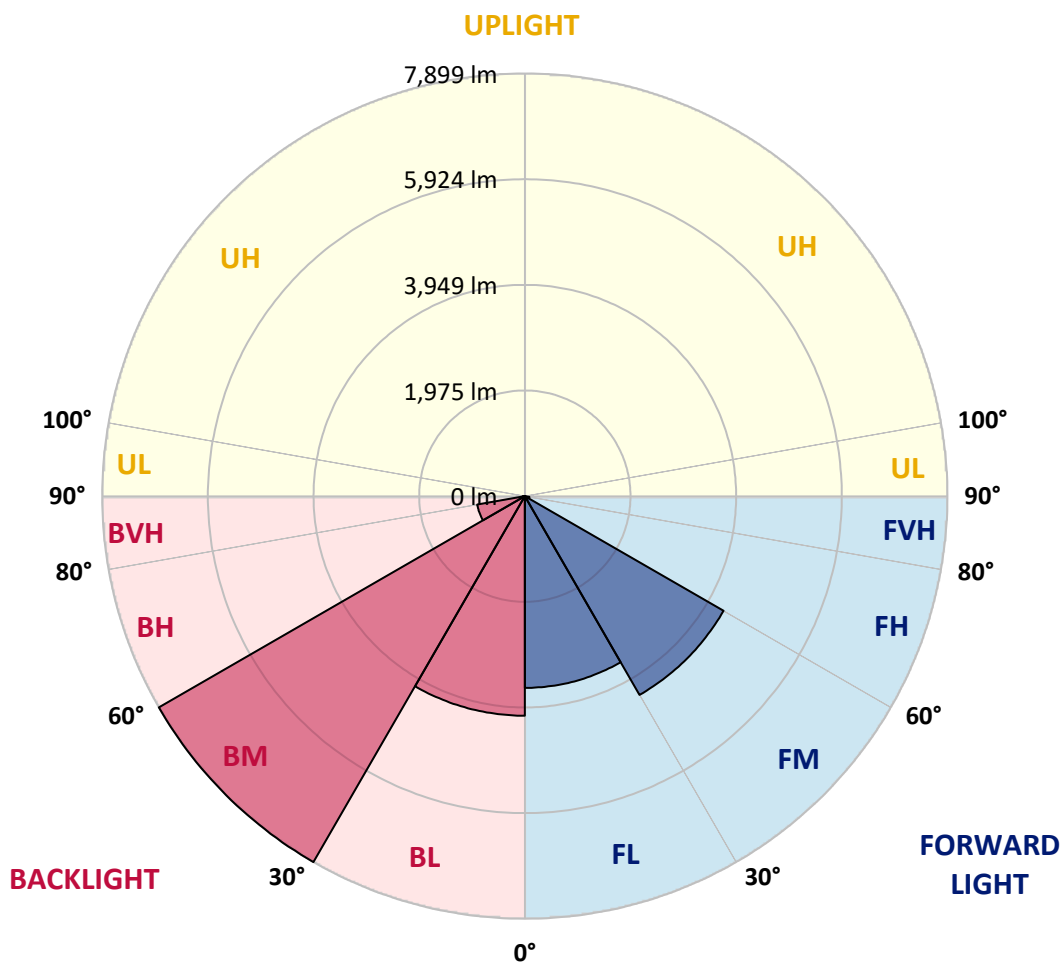
CATALOG NUMBER: IFLD-L-SA7C-930-U-LAM-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3583.5	17.1			
FM	(30°-60°)	4289.3	20.5			
FH	(60°-80°)	86.0	0.4			G0/660
FVH	(80°-90°)	6.2	0.0			G0/10
BL	(0°-30°)	4103.8	19.6	B4/5000		
BM	(30°-60°)	7898.8	37.8	B4/8500		
BH	(60°-80°)	903.5	4.3	B2/1000		G2/1000
BVH	(80°-90°)	40.0	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





REPORT NUMBER: P636904
 CATALOG NUMBER: IFLD-L-SA7C-930-U-LAM-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9022.7	9022.7	9022.7	9022.7	9022.7	9022.7	9022.7	9022.7	9022.7	9022.7
2.5°	9062.7	9004.3	8949.0	8930.5	9007.4	9090.3	9038.1	9041.2	9022.7	9056.5
5°	9130.3	9050.4	9013.5	8985.9	8998.1	9084.2	9010.4	9038.1	9007.4	9047.3
7.5°	9105.7	9050.4	9013.5	8961.3	9001.2	9102.6	9032.0	9035.0	9019.7	9056.5
10°	9090.3	9050.4	9004.3	9010.4	9056.5	9142.6	9087.3	9118.0	9096.5	9118.0
12.5°	9127.2	9084.2	9059.6	9059.6	9099.6	9197.9	9170.2	9197.9	9188.7	9207.1
15°	8780.0	8819.9	9053.5	9157.9	9237.9	9336.2	9323.9	9351.6	9357.7	9385.4
17.5°	7406.3	7366.3	7347.9	7885.7	9314.7	9618.9	9609.7	9606.6	9575.9	9554.4
20°	7587.6	7572.2	7550.7	7590.6	7750.5	9766.4	9827.9	9449.9	9339.3	9330.0
22.5°	7876.5	7851.9	7772.0	7775.0	7824.2	8491.1	9523.7	9179.5	9142.6	9121.1
25°	8017.8	7968.6	7904.1	7885.7	7901.0	7778.1	8506.4	8915.2	8733.9	8650.9
27.5°	7768.9	7772.0	7719.7	7768.9	7710.5	7157.3	6846.9	8398.9	8392.7	8355.9
30°	7581.4	7572.2	7510.7	7572.2	7169.6	6551.9	6419.8	7833.4	7768.9	7719.7
32.5°	7006.8	7012.9	7191.1	7430.8	6770.1	6281.5	5882.0	6997.5	7609.1	7581.4
35°	5012.3	5024.6	5657.6	6840.8	6164.7	5743.7	5713.0	6047.9	7357.1	7369.4
37.5°	4824.8	4824.8	4809.5	5003.1	5688.4	5525.5	5587.0	5553.2	6739.4	6770.1
40°	4689.6	4661.9	4640.4	4336.2	3955.1	5371.8	5414.9	5261.2	6370.6	6376.8
42.5°	4526.7	4496.0	4502.1	3939.8	3540.3	4990.8	4870.9	4665.0	5756.0	5762.1
45°	4228.6	4280.9	4317.8	3448.1	3417.3	3564.8	4492.9	4363.9	5341.1	5454.8
47.5°	2151.2	2197.3	3371.2	3171.5	3242.2	3168.4	3795.3	3798.4	4443.8	4821.8
50°	1951.4	1939.1	1942.2	1850.0	2993.2	2563.0	2744.3	3481.9	3558.7	4099.6
52.5°	1819.3	1816.2	1628.8	1447.4	1880.8	2255.7	1991.4	2520.0	2646.0	3472.6
55°	1346.0	1444.4	1284.6	1361.4	1177.0	1807.0	1797.8	2274.1	2317.1	2784.3
57.5°	12.3	15.4	36.9	1035.6	814.4	903.5	1241.5	1551.9	1628.8	2169.6
60°	3.1	6.1	15.4	30.7	528.6	556.2	829.7	897.4	1011.1	1293.8
62.5°	0.0	0.0	6.1	15.4	27.7	227.4	264.3	288.9	445.6	660.7
65°	0.0	0.0	3.1	9.2	15.4	36.9	64.5	135.2	193.6	239.7
67.5°	0.0	0.0	3.1	6.1	12.3	18.4	36.9	52.2	83.0	141.4
70°	0.0	0.0	3.1	6.1	9.2	15.4	24.6	36.9	49.2	70.7
72.5°	0.0	0.0	3.1	6.1	6.1	18.4	18.4	27.7	36.9	46.1
75°	0.0	0.0	3.1	3.1	6.1	12.3	18.4	21.5	24.6	36.9
77.5°	0.0	0.0	3.1	6.1	9.2	12.3	15.4	24.6	21.5	21.5
80°	0.0	0.0	3.1	9.2	9.2	15.4	18.4	24.6	15.4	15.4
82.5°	0.0	0.0	3.1	12.3	9.2	30.7	30.7	33.8	12.3	12.3
85°	0.0	0.0	9.2	6.1	18.4	30.7	27.7	18.4	15.4	9.2
87.5°	0.0	0.0	3.1	3.1	6.1	9.2	21.5	18.4	6.1	6.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P636904
 CATALOG NUMBER: IFLD-L-SA7C-930-U-LAM-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
9022.7	0°	9022.7	9022.7	9022.7	9022.7	9022.7	9022.7	9022.7	9022.7	9022.7
8967.4	2.5°	9090.3	9050.4	9133.4	9124.1	9084.2	9065.8	9044.2	9025.8	8890.6
8973.6	5°	9093.4	9032.0	9133.4	9114.9	9108.8	9078.0	9059.6	9087.3	8964.3
8998.1	7.5°	9093.4	9032.0	9142.6	9148.7	9139.5	9114.9	9111.9	9130.3	9028.9
9041.2	10°	9154.9	9130.3	9222.5	9231.7	9219.4	9213.3	9197.9	9185.6	9078.0
9188.7	12.5°	9283.9	9234.8	9339.3	9366.9	9357.7	9373.1	9336.2	9354.6	9244.0
9339.3	15°	9440.7	9443.8	9523.7	9585.1	9579.0	9628.1	9572.8	9622.0	9542.1
9511.4	17.5°	9680.4	9714.2	9827.9	9920.1	9953.9	9990.8	9953.9	9969.3	9855.6
9320.8	20°	9428.4	9554.4	10101.4	10270.4	10341.1	10374.9	10313.4	10331.9	10218.2
9087.3	22.5°	9201.0	9363.8	9849.4	10378.0	10596.2	10663.8	10642.3	10639.2	10596.2
8626.3	25°	8866.0	9194.8	9413.0	9972.3	10657.6	10780.6	10792.9	10789.8	10725.2
8343.6	27.5°	8454.2	8528.0	9093.4	9434.5	10227.4	10694.5	10676.1	10587.0	10500.9
7756.6	30°	7928.7	8263.7	8518.7	9062.7	9671.2	10430.2	10430.2	10362.6	10273.5
7547.6	32.5°	7661.3	8094.6	8331.3	8528.0	9047.3	10135.2	10258.1	10187.5	10116.8
7384.7	35°	7520.0	7584.5	8137.7	8315.9	8755.4	9566.7	10064.5	9993.8	9941.6
6951.4	37.5°	7209.6	7360.2	7618.3	8094.6	8229.9	9102.6	9806.4	9769.5	9708.0
6389.1	40°	6518.1	6920.7	7317.1	7768.9	7910.3	8506.4	9492.9	9508.3	9425.3
5789.8	42.5°	6109.4	6382.9	7003.7	7307.9	7689.0	8122.3	9188.7	9213.3	9154.9
5485.6	45°	5630.0	5934.2	6370.6	6923.8	7443.1	7593.7	8650.9	8909.0	8859.9
4880.1	47.5°	5190.5	5436.4	5971.1	6530.4	7105.1	7083.6	8033.2	8518.7	8451.1
4416.1	50°	4566.7	4996.9	5248.9	5762.1	6619.5	6677.9	7375.5	8060.8	8005.5
3752.3	52.5°	3850.6	4391.5	4874.0	5344.2	6127.8	6266.1	6764.0	7593.7	7556.8
2867.2	55°	3365.1	3758.4	4302.4	4680.4	5531.6	5900.4	6306.1	7148.1	7129.7
2357.1	57.5°	2394.0	3153.0	3601.7	4130.3	4579.0	5245.8	5547.0	6241.5	6069.4
1306.1	60°	1622.6	1979.1	2526.1	3094.6	3395.8	4062.7	4342.3	4898.6	4852.5
780.6	62.5°	857.4	1186.2	1576.5	1862.3	2080.5	2728.9	2845.7	3445.0	3429.6
313.5	65°	378.0	500.9	854.3	1001.8	1226.2	1527.3	1628.8	1843.9	1791.6
153.7	67.5°	196.7	298.1	482.5	593.1	746.8	860.5	943.5	1011.1	1054.1
101.4	70°	119.9	218.2	298.1	411.8	513.2	605.4	669.9	762.1	817.5
52.2	72.5°	89.1	138.3	205.9	316.5	371.8	479.4	543.9	611.6	660.7
43.0	75°	49.2	92.2	165.9	248.9	298.1	390.3	448.7	494.8	510.1
24.6	77.5°	30.7	70.7	138.3	193.6	233.6	316.5	301.2	344.2	381.1
18.4	80°	21.5	52.2	107.6	159.8	162.9	202.8	239.7	276.6	301.2
12.3	82.5°	15.4	43.0	79.9	122.9	107.6	156.7	187.5	215.1	156.7
9.2	85°	12.3	30.7	40.0	73.8	61.5	110.6	95.3	92.2	61.5
6.1	87.5°	9.2	15.4	27.7	33.8	24.6	24.6	30.7	36.9	30.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
9022.7
8798.4
8859.9
8912.1
8988.9
9145.7
9409.9
9757.2
10138.3
10457.9
10626.9
10433.3
10239.7
10058.4
9867.8
9646.6
9406.9
9148.7
8866.0
8500.3
8014.7
7581.4
7151.2
6051.0
4855.6
3432.7
1770.1
1054.1
820.5
669.9
500.9
387.2
304.2
113.7
61.5
30.7
0.0

(END OF REPORT)