

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: P636601

Luminaire Tested: **IFLD-S-SA3E-930-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636601
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-930-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (48) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13744.9 lumens
Efficiency: N/A
Efficacy: 59.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G1

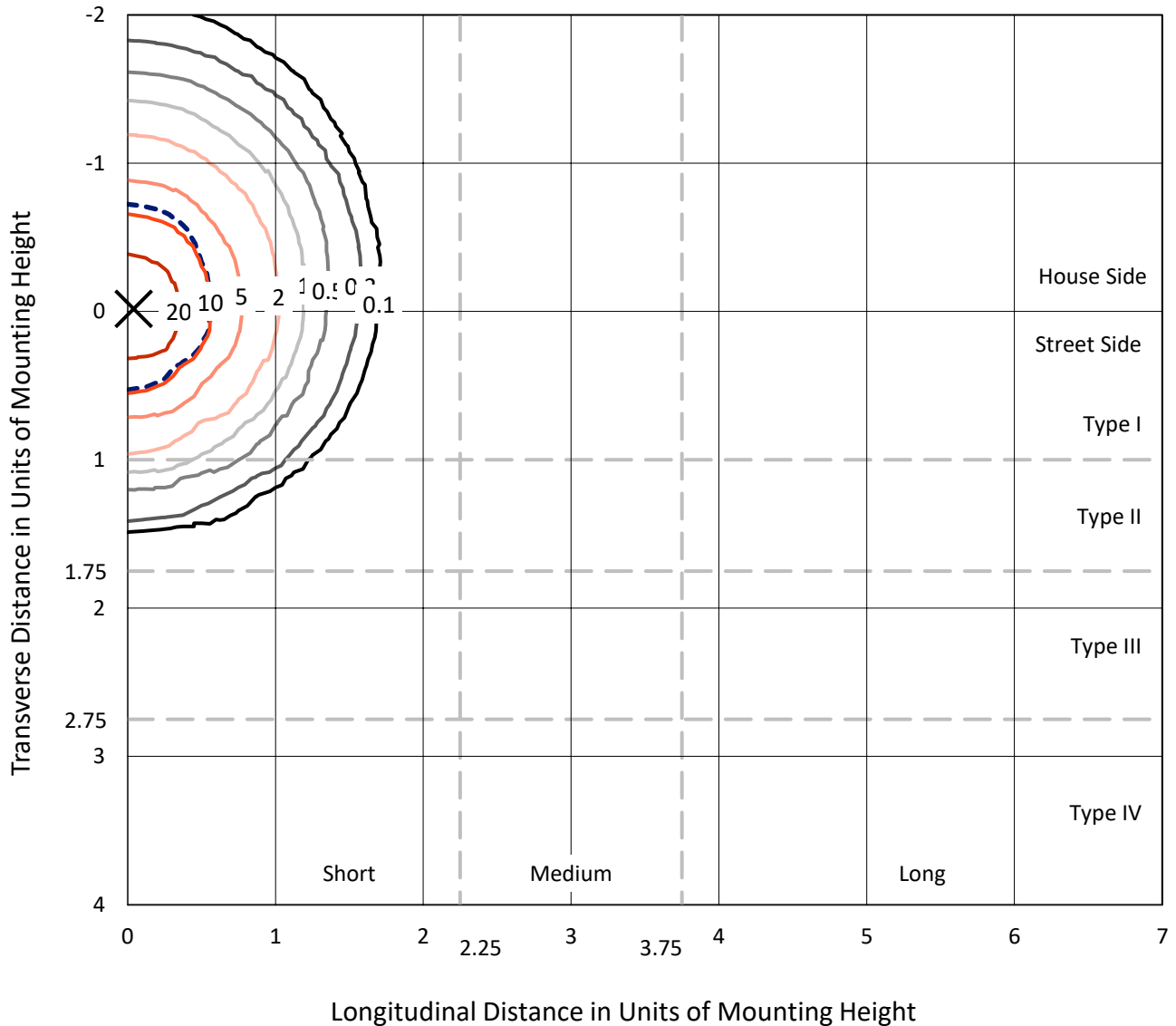
Input Watts (W): 232.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636601
 CATALOG NUMBER: IFLD-S-SA3E-930-U-66-VI

Iso-Footcandle Lines of Horizontal Illumination

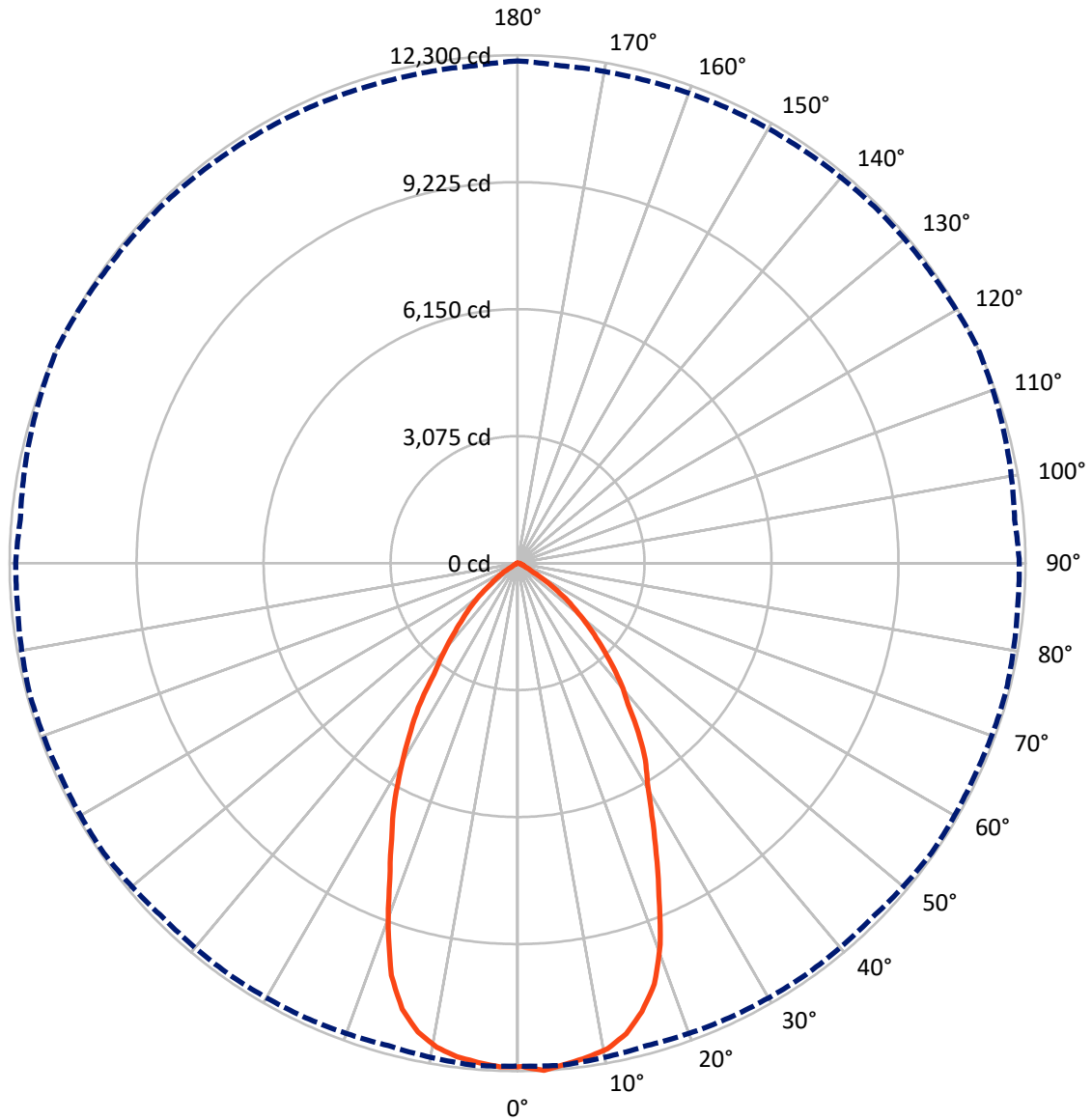
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 30.5 fc
 Type I - Short - N/A

REPORT NUMBER: P636601
CATALOG NUMBER: IFLD-S-SA3E-930-U-66-VI

Luminous Intensity Polar Plot



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

REPORT NUMBER: P636601
 CATALOG NUMBER: IFLD-S-SA3E-930-U-66-VI

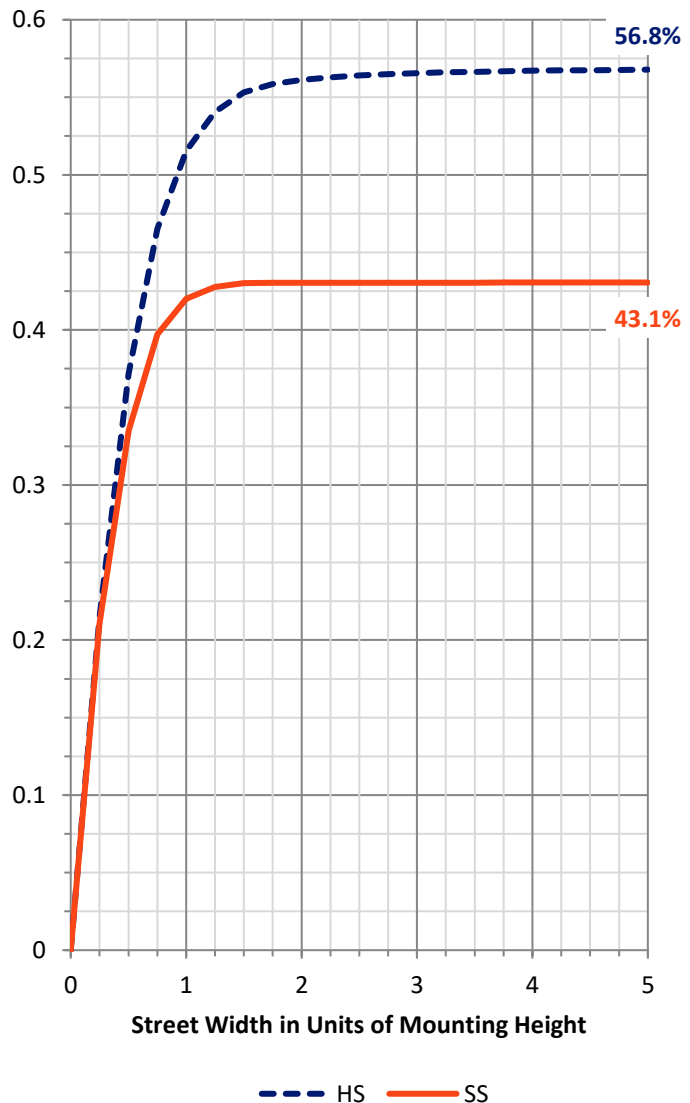
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7866.0	0.0	7866.0
	% Fixture	57.2	0.0	57.2
Street Side	Lumens	5878.9	0.0	5878.9
	% Fixture	42.8	0.0	42.8
Total	Lumens	13744.9	0.0	13744.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1148.6	8.4
10°-20°	3045.6	22.2
20°-30°	3483.5	25.3
30°-40°	2985.3	21.7
40°-50°	1974.0	14.4
50°-60°	861.4	6.3
60°-70°	169.2	1.2
70°-80°	61.1	0.4
80°-90°	16.2	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°	13744.9	100.0
0°-180°	13744.9	100.0



REPORT NUMBER: P636601

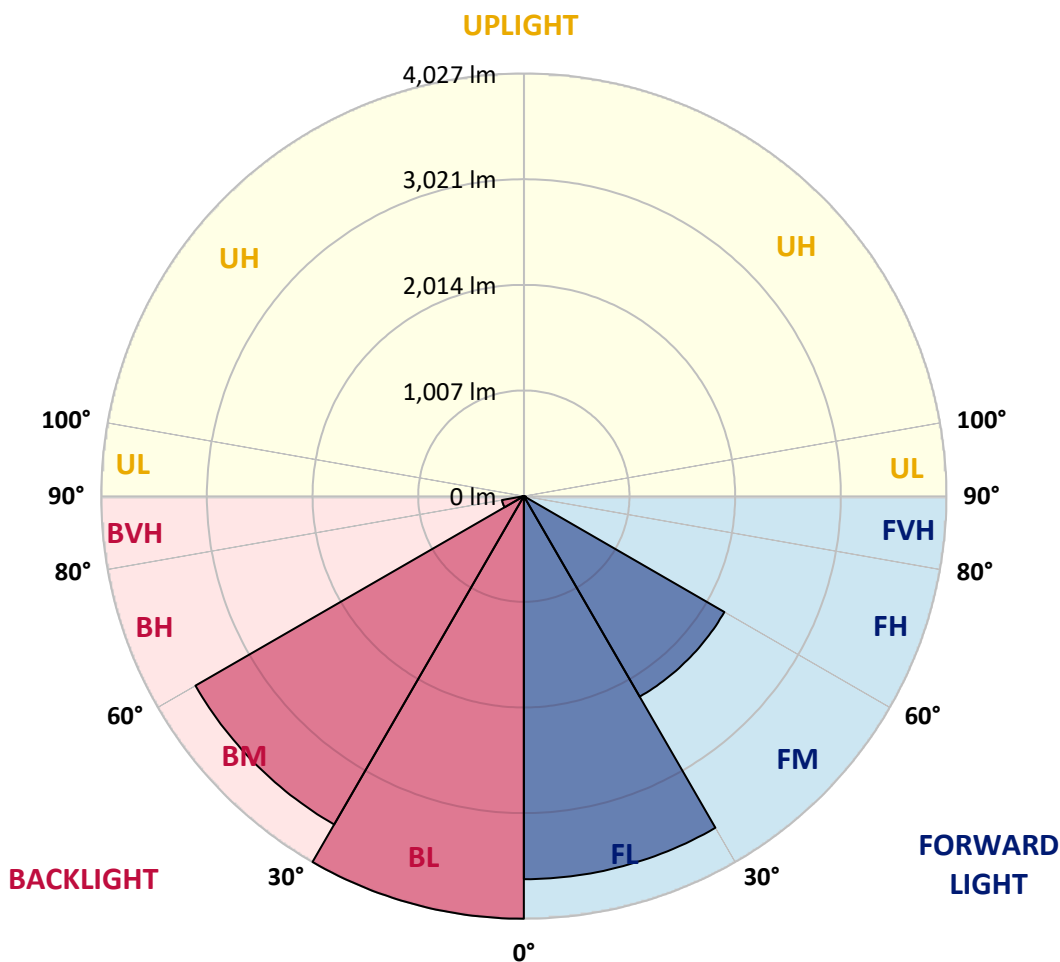
CATALOG NUMBER: IFLD-S-SA3E-930-U-66-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3650.4	26.6			
FM (30°-60°)	2207.1	16.1			
FH (60°-80°)	18.7	0.1			G0/660
FVH (80°-90°)	2.7	0.0			G0/10
BL (0°-30°)	4027.4	29.3	B4/5000		
BM (30°-60°)	3613.5	26.3	B3/5000		
BH (60°-80°)	211.6	1.5	B1/500		G1/500
BVH (80°-90°)	13.6	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: P636601
 CATALOG NUMBER: IFLD-S-SA3E-930-U-66-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12195.2	12195.2	12195.2	12195.2	12195.2	12195.2	12195.2	12195.2	12195.2	12195.2
2.5°	12177.7	12206.9	12095.9	12145.5	12166.0	12139.7	12236.1	12206.9	12230.3	12157.2
5°	12177.7	12206.9	12078.3	12101.7	12107.6	12057.9	12163.1	12128.0	12130.9	12055.0
7.5°	12101.7	12136.8	12019.9	12037.4	12040.4	11999.5	12090.0	12040.4	12022.8	11943.9
10°	11897.2	11917.7	11812.5	11856.3	11897.2	11859.2	11938.1	11882.6	11882.6	11812.5
12.5°	11572.9	11610.9	11494.0	11546.6	11581.7	11537.8	11628.4	11608.0	11610.9	11540.8
15°	10982.7	10851.2	10991.5	11096.7	11099.6	11090.8	11175.5	11155.1	11169.7	11064.5
17.5°	8113.6	8081.4	8245.1	9486.8	10410.1	10535.7	10550.3	10439.3	10389.6	10287.3
20°	7517.6	7540.9	7505.9	7511.7	8239.2	9749.7	9659.2	9384.5	9258.9	9156.6
22.5°	7082.2	7044.2	7020.9	7006.3	7026.7	8011.3	8662.9	8248.0	8180.8	8131.1
25°	6608.9	6591.4	6562.2	6556.3	6544.6	6378.1	7316.0	7353.9	7245.8	7184.5
27.5°	6167.7	6156.0	6123.9	6121.0	5986.6	5583.4	5685.6	6588.5	6559.2	6535.9
30°	5697.3	5674.0	5656.4	5656.4	5250.3	4835.4	4668.9	5744.1	5744.1	5723.6
32.5°	5186.0	5165.6	5171.4	5101.3	4616.3	4236.5	3973.5	4958.1	5264.9	5247.4
35°	3170.1	3164.2	3757.3	4537.4	3967.7	3622.9	3605.4	4242.3	4689.3	4736.1
37.5°	2822.4	2804.8	2813.6	2863.3	3397.9	3260.6	3254.8	3362.9	3991.1	4014.4
40°	2533.1	2521.4	2512.7	2334.4	2165.0	2910.0	2889.6	2819.4	3409.6	3450.5
42.5°	2258.5	2246.8	2246.8	1995.5	1720.9	2392.9	2401.6	2319.8	2875.0	2889.6
45°	1975.1	1966.3	1916.6	1592.3	1513.4	1589.4	1989.7	1896.2	2281.9	2433.8
47.5°	932.0	926.2	1341.1	1323.5	1317.7	1270.9	1519.3	1571.9	1811.5	1963.4
50°	748.0	742.1	707.1	622.3	1084.0	964.2	1095.6	1209.6	1285.6	1425.8
52.5°	619.4	613.6	540.5	479.2	601.9	704.1	654.5	809.3	806.4	958.3
55°	406.1	376.9	414.9	391.5	315.5	511.3	499.6	613.6	599.0	730.4
57.5°	8.8	8.8	20.5	222.0	198.7	216.2	286.3	350.6	394.4	432.4
60°	2.9	2.9	5.8	11.7	81.8	90.6	111.0	128.6	181.1	225.0
62.5°	0.0	0.0	2.9	5.8	11.7	46.7	52.6	61.4	84.7	116.9
65°	0.0	0.0	0.0	2.9	5.8	11.7	17.5	38.0	52.6	67.2
67.5°	0.0	0.0	0.0	2.9	2.9	5.8	11.7	17.5	23.4	46.7
70°	0.0	0.0	0.0	2.9	2.9	5.8	8.8	11.7	17.5	23.4
72.5°	0.0	0.0	0.0	2.9	2.9	8.8	5.8	8.8	11.7	14.6
75°	0.0	0.0	0.0	2.9	2.9	2.9	5.8	8.8	8.8	11.7
77.5°	0.0	0.0	0.0	2.9	5.8	5.8	5.8	5.8	5.8	8.8
80°	0.0	0.0	0.0	2.9	2.9	5.8	8.8	11.7	5.8	5.8
82.5°	0.0	0.0	0.0	5.8	2.9	11.7	17.5	14.6	5.8	2.9
85°	0.0	0.0	0.0	2.9	11.7	14.6	14.6	8.8	2.9	2.9
87.5°	0.0	0.0	0.0	2.9	2.9	5.8	8.8	8.8	2.9	2.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P636601

CATALOG NUMBER: IFLD-S-SA3E-930-U-66-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
12195.2	0°	12195.2	12195.2	12195.2	12195.2	12195.2	12195.2	12195.2	12195.2	12195.2
12151.4	2.5°	12084.2	12198.1	12300.4	12236.1	12212.7	12166.0	12130.9	12093.0	12090.0
12046.2	5°	11979.0	12087.1	12186.5	12110.5	12116.3	12093.0	12069.6	12060.8	12066.7
11938.1	7.5°	11888.4	11979.0	12087.1	12022.8	12040.4	12025.8	12014.1	11996.5	12022.8
11797.9	10°	11751.1	11832.9	11958.6	11897.2	11888.4	11873.8	11862.1	11830.0	11844.6
11543.7	12.5°	11450.2	11552.4	11695.6	11625.5	11648.9	11608.0	11590.4	11570.0	11572.9
11102.5	15°	11041.1	11120.0	11266.1	11210.6	11228.1	11201.8	11201.8	11201.8	11222.3
10301.9	17.5°	10328.2	10488.9	10719.8	10649.6	10675.9	10681.8	10675.9	10696.4	10722.7
9162.5	20°	9168.3	9443.0	9863.7	10001.0	10056.5	10059.4	10018.5	10068.2	10120.8
8096.1	22.5°	8101.9	8391.2	8762.2	9139.1	9372.8	9361.2	9367.0	9399.1	9454.7
7146.5	25°	7178.6	7456.2	7792.2	8128.2	8639.5	8744.7	8747.6	8776.8	8820.6
6497.9	27.5°	6512.5	6620.6	6927.4	7266.3	7815.6	8151.6	8134.0	8160.3	8207.1
5685.6	30°	5709.0	6123.9	6194.0	6401.5	6874.8	7491.3	7494.2	7523.4	7570.1
5206.5	32.5°	5191.9	5466.5	5682.7	5688.6	6091.8	6725.8	6851.4	6880.6	6912.8
4709.8	35°	4706.9	4739.0	5031.2	5113.0	5346.7	5974.9	6196.9	6214.5	6267.1
4005.7	37.5°	4072.9	4262.8	4344.6	4636.8	4648.4	5156.8	5598.0	5580.5	5621.4
3447.6	40°	3491.4	3672.6	3880.0	4093.3	4122.5	4502.4	4990.3	5007.8	5025.3
2860.4	42.5°	2883.7	3114.5	3327.8	3471.0	3669.7	3888.8	4353.3	4435.2	4476.1
2451.3	45°	2495.1	2559.4	2813.6	3024.0	3225.6	3327.8	3763.2	3912.2	3938.5
1940.0	47.5°	1966.3	2182.5	2354.9	2533.1	2784.4	2875.0	3190.5	3397.9	3418.4
1440.4	50°	1519.3	1674.1	1910.8	2071.5	2363.7	2413.3	2629.5	2898.3	2924.6
964.2	52.5°	1086.9	1297.2	1528.1	1682.9	1963.4	2027.7	2188.4	2445.5	2463.0
739.2	55°	780.1	917.4	1107.3	1329.4	1533.9	1677.1	1788.1	2033.5	2056.9
485.0	57.5°	531.8	660.3	739.2	961.2	1084.0	1238.8	1329.4	1516.4	1533.9
230.8	60°	254.2	315.5	376.9	487.9	566.8	698.3	756.7	832.7	853.1
140.2	62.5°	163.6	192.8	245.4	292.2	368.1	449.9	473.3	537.6	561.0
87.7	65°	108.1	137.3	192.8	204.5	280.5	344.8	374.0	420.7	447.0
52.6	67.5°	61.4	96.4	143.2	169.5	222.0	283.4	315.5	356.4	379.8
35.1	70°	40.9	78.9	113.9	140.2	175.3	227.9	268.8	303.9	318.5
17.5	72.5°	23.4	49.7	78.9	111.0	140.2	189.9	227.9	257.1	169.5
11.7	75°	14.6	38.0	67.2	93.5	116.9	151.9	184.1	181.1	76.0
8.8	77.5°	11.7	29.2	58.4	78.9	96.4	105.2	131.5	149.0	58.4
5.8	80°	8.8	23.4	52.6	67.2	38.0	76.0	102.3	111.0	40.9
5.8	82.5°	5.8	14.6	43.8	46.7	26.3	55.5	81.8	73.0	29.2
2.9	85°	2.9	8.8	14.6	26.3	23.4	26.3	20.5	29.2	20.5
2.9	87.5°	2.9	5.8	11.7	11.7	11.7	8.8	11.7	11.7	11.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
12195.2
<i>12160.2</i>
12139.7
12095.9
11914.7
11657.6
11231.1
10810.3
10155.9
9463.4
8896.6
8250.9
7652.0
6985.8
6322.6
5671.0
5080.9
4534.5
4002.7
3468.1
2962.6
2495.1
2077.3
1569.0
876.5
566.8
447.0
376.9
315.5
137.3
76.0
58.4
43.8
29.2
20.5
11.7
0.0

(END OF REPORT)