

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: P636606

Luminaire Tested: **IFLD-S-SA6E-930-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636606
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-930-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (96) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26963.1 lumens
Efficiency: N/A
Efficacy: 58.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

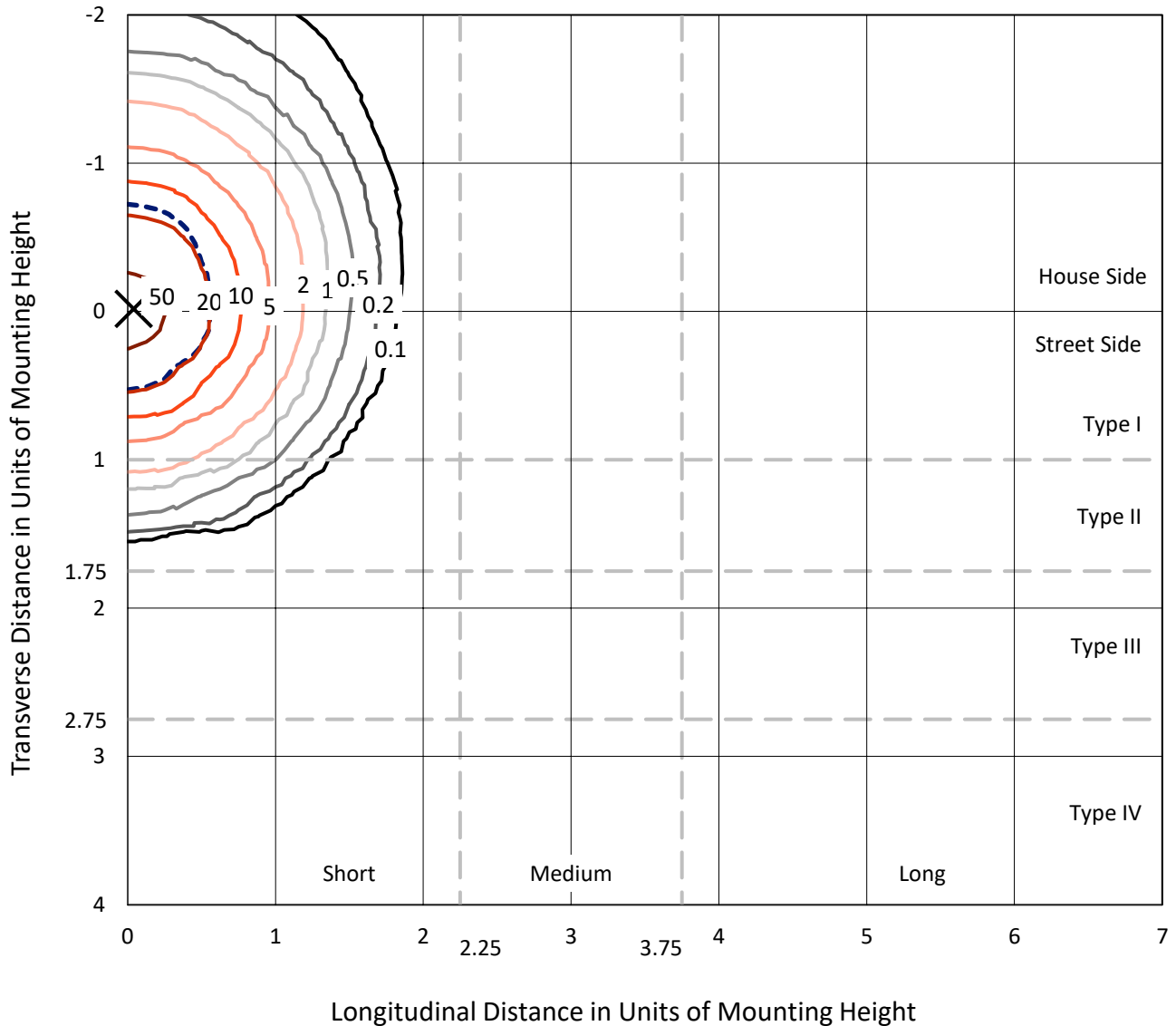
Input Watts (W): 464.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636606
 CATALOG NUMBER: IFLD-S-SA6E-930-U-66-VI

Iso-Footcandle Lines of Horizontal Illumination

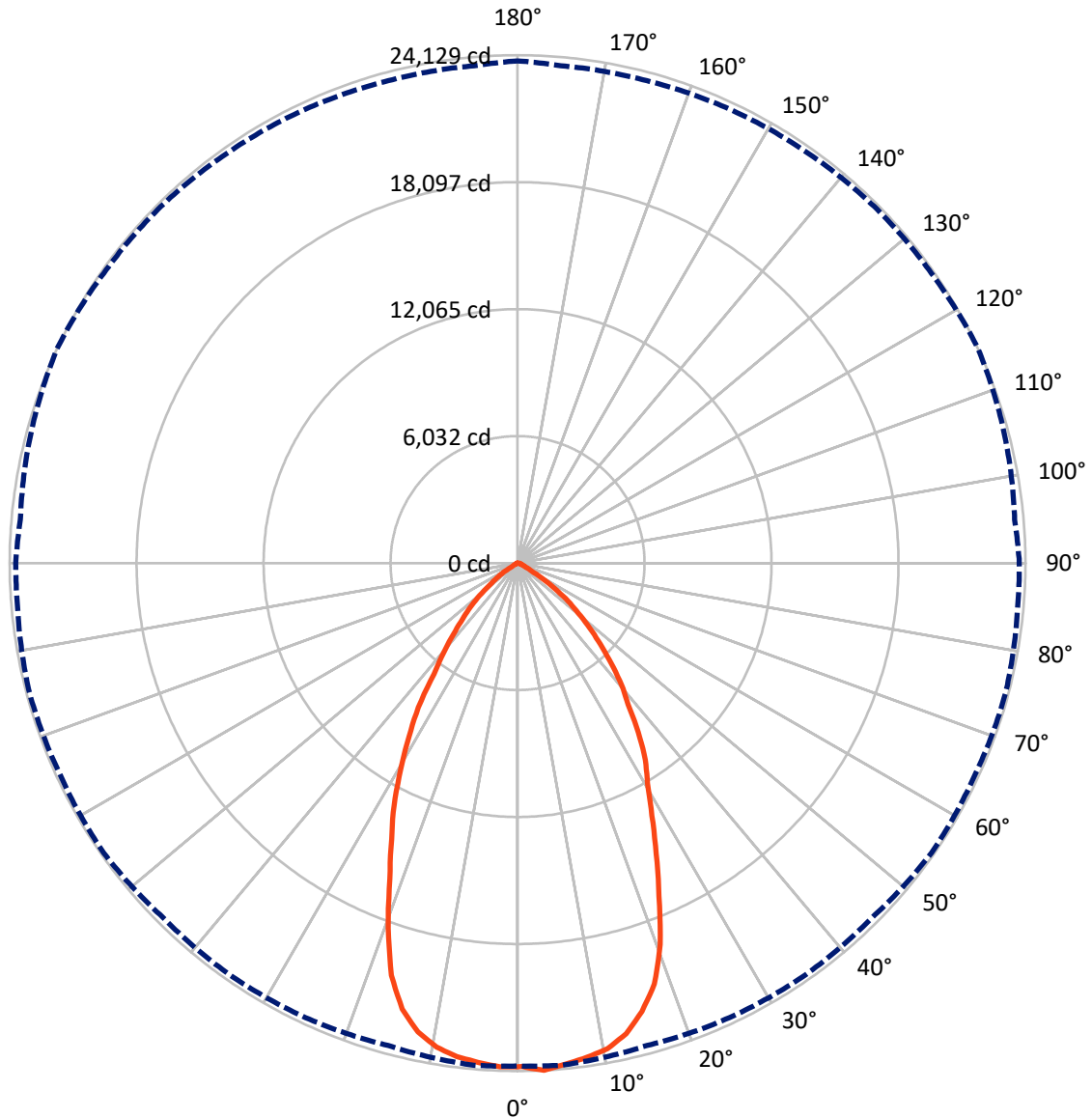
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 59.8 fc
 Type I - Short - N/A

REPORT NUMBER: P636606
CATALOG NUMBER: IFLD-S-SA6E-930-U-66-VI

Luminous Intensity Polar Plot



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

REPORT NUMBER: P636606
 CATALOG NUMBER: IFLD-S-SA6E-930-U-66-VI

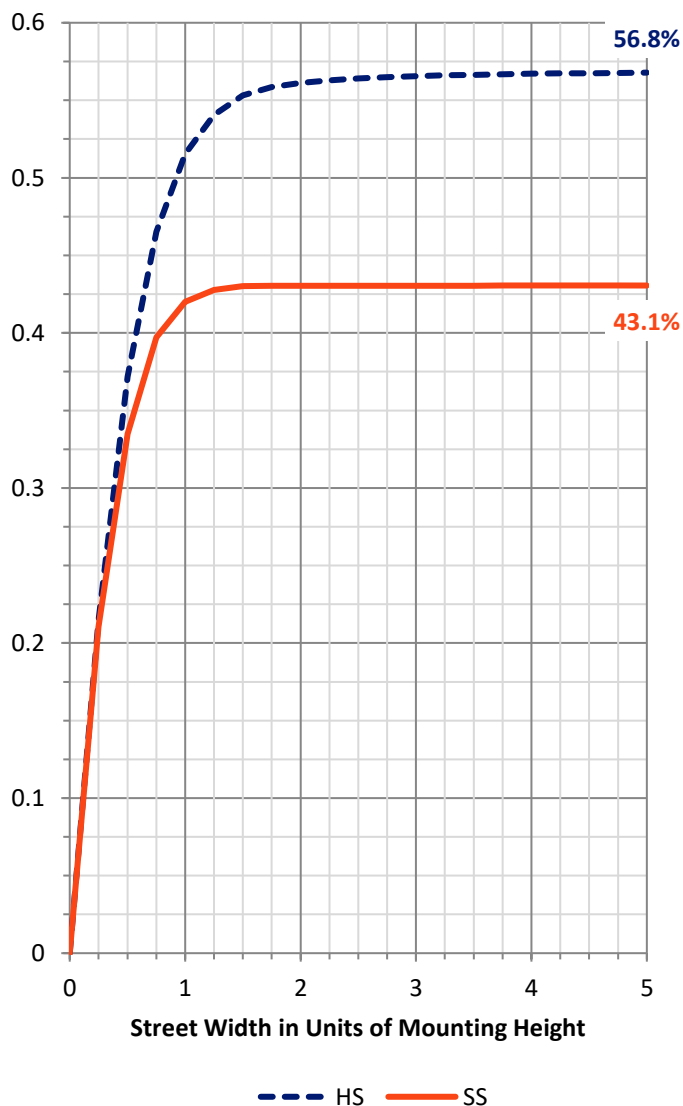
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15430.6	0.0	15430.6
	% Fixture	57.2	0.0	57.2
Street Side	Lumens	11532.5	0.0	11532.5
	% Fixture	42.8	0.0	42.8
Total	Lumens	26963.1	0.0	26963.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2253.3	8.4
10°-20°	5974.5	22.2
20°-30°	6833.6	25.3
30°-40°	5856.2	21.7
40°-50°	3872.3	14.4
50°-60°	1689.7	6.3
60°-70°	332.0	1.2
70°-80°	119.8	0.4
80°-90°	31.9	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°	26963.1	100.0
0°-180°	26963.1	100.0



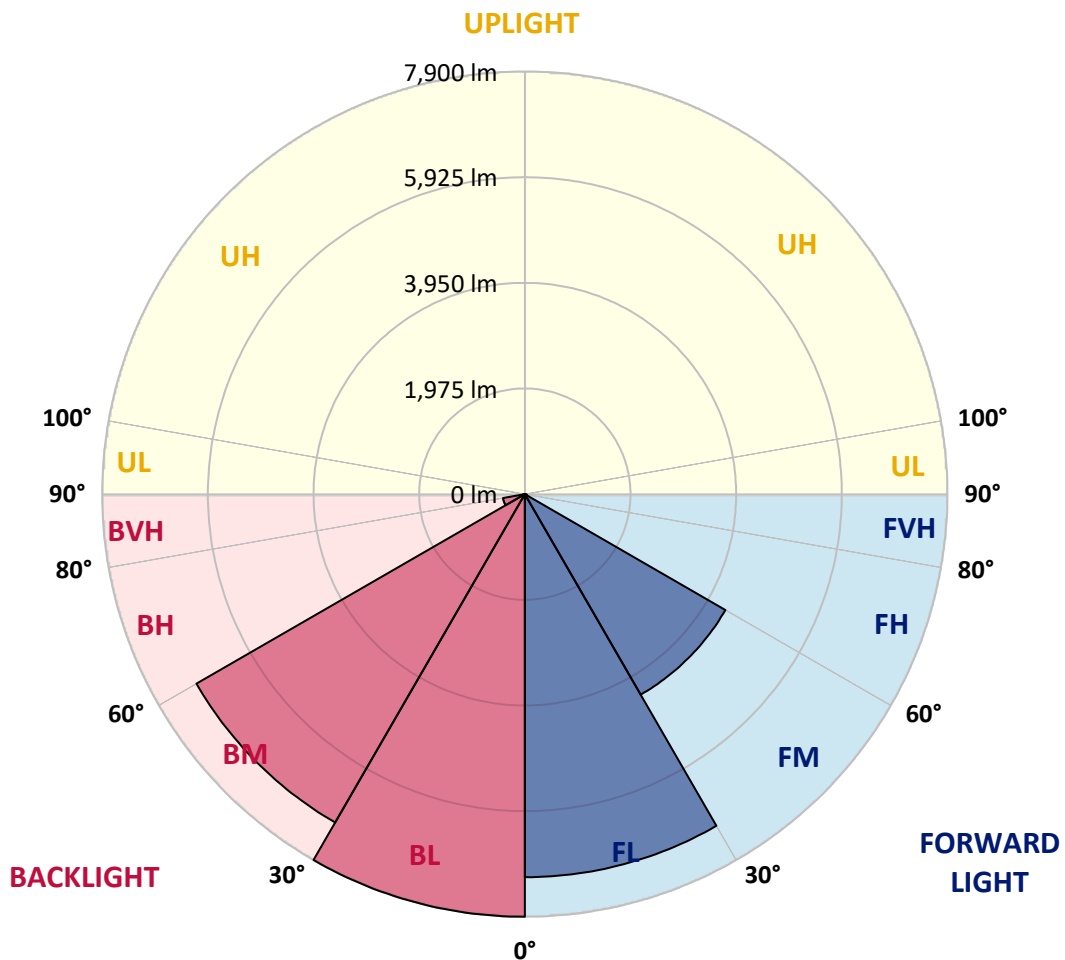
REPORT NUMBER: P636606
 CATALOG NUMBER: IFLD-S-SA6E-930-U-66-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7160.8	26.6			
FM (30°-60°)	4329.7	16.1			
FH (60°-80°)	36.7	0.1			G0/660
FVH (80°-90°)	5.3	0.0			G0/10
BL (0°-30°)	7900.5	29.3	B5		
BM (30°-60°)	7088.5	26.3	B4/8500		
BH (60°-80°)	415.1	1.5	B1/500		G1/500
BVH (80°-90°)	26.6	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type I Short





REPORT NUMBER: P636606
 CATALOG NUMBER: IFLD-S-SA6E-930-U-66-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	23923.1	23923.1	23923.1	23923.1	23923.1	23923.1	23923.1	23923.1	23923.1	23923.1
2.5°	23888.7	23946.0	23728.2	23825.6	23865.8	23814.2	24003.3	23946.0	23991.8	23848.6
5°	23888.7	23946.0	23693.8	23739.7	23751.1	23653.7	23860.0	23791.2	23797.0	23648.0
7.5°	23739.7	23808.4	23579.2	23613.6	23619.3	23539.1	23716.7	23619.3	23584.9	23430.2
10°	23338.5	23378.6	23172.2	23258.2	23338.5	23263.9	23418.7	23309.8	23309.8	23172.2
12.5°	22702.3	22776.8	22547.5	22650.7	22719.5	22633.5	22811.2	22771.0	22776.8	22639.2
15°	21544.5	21286.6	21561.7	21768.0	21773.8	21756.6	21922.8	21882.7	21911.3	21705.0
17.5°	15916.2	15853.2	16174.1	18610.0	20421.2	20667.6	20696.3	20478.5	20381.0	20180.4
20°	14747.0	14792.9	14724.1	14735.6	16162.7	19125.8	18948.2	18409.4	18163.0	17962.4
22.5°	13893.0	13818.5	13772.7	13744.0	13784.1	15715.6	16993.7	16179.9	16048.1	15950.6
25°	12964.5	12930.1	12872.8	12861.4	12838.4	12511.8	14351.5	14426.1	14214.0	14093.6
27.5°	12099.1	12076.2	12013.1	12007.4	11743.7	10952.8	11153.4	12924.4	12867.1	12821.3
30°	11176.3	11130.5	11096.1	11096.1	10299.4	9485.5	9158.9	11268.0	11268.0	11227.9
32.5°	10173.3	10133.2	10144.7	10007.1	9055.7	8310.6	7794.8	9726.3	10328.1	10293.7
35°	6218.6	6207.2	7370.6	8900.9	7783.3	7107.0	7072.6	8322.1	9199.0	9290.7
37.5°	5536.6	5502.2	5519.4	5616.8	6665.7	6396.3	6384.8	6596.9	7829.2	7875.0
40°	4969.2	4946.2	4929.0	4579.4	4247.0	5708.5	5668.4	5530.8	6688.6	6768.8
42.5°	4430.4	4407.5	4407.5	3914.6	3375.8	4694.1	4711.3	4550.8	5639.7	5668.4
45°	3874.5	3857.3	3759.8	3123.6	2968.9	3117.9	3903.1	3719.7	4476.3	4774.3
47.5°	1828.3	1816.9	2630.7	2596.3	2584.9	2493.2	2980.4	3083.5	3553.5	3851.5
50°	1467.3	1455.8	1387.0	1220.8	2126.4	1891.4	2149.3	2372.8	2521.8	2796.9
52.5°	1215.1	1203.6	1060.3	940.0	1180.7	1381.3	1283.8	1587.6	1581.9	1879.9
55°	796.7	739.4	813.9	768.0	619.0	1003.0	980.1	1203.6	1174.9	1432.9
57.5°	17.2	17.2	40.1	435.6	389.7	424.1	561.7	687.8	773.7	848.3
60°	5.7	5.7	11.5	22.9	160.5	177.7	217.8	252.2	355.3	441.3
62.5°	0.0	0.0	5.7	11.5	22.9	91.7	103.2	120.4	166.2	229.3
65°	0.0	0.0	0.0	5.7	11.5	22.9	34.4	74.5	103.2	131.8
67.5°	0.0	0.0	0.0	5.7	5.7	11.5	22.9	34.4	45.9	91.7
70°	0.0	0.0	0.0	5.7	5.7	11.5	17.2	22.9	34.4	45.9
72.5°	0.0	0.0	0.0	5.7	5.7	17.2	11.5	17.2	22.9	28.7
75°	0.0	0.0	0.0	5.7	5.7	5.7	11.5	17.2	17.2	22.9
77.5°	0.0	0.0	0.0	5.7	11.5	11.5	11.5	11.5	11.5	17.2
80°	0.0	0.0	0.0	5.7	5.7	11.5	17.2	22.9	11.5	11.5
82.5°	0.0	0.0	0.0	11.5	5.7	22.9	34.4	28.7	11.5	5.7
85°	0.0	0.0	0.0	5.7	22.9	28.7	28.7	17.2	5.7	5.7
87.5°	0.0	0.0	0.0	5.7	5.7	11.5	17.2	17.2	5.7	5.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P636606
 CATALOG NUMBER: IFLD-S-SAGE-930-U-66-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
23923.1	0°	23923.1	23923.1	23923.1	23923.1	23923.1	23923.1	23923.1	23923.1	23923.1
23837.1	2.5°	23705.3	23928.8	24129.4	24003.3	23957.5	23865.8	23797.0	23722.5	23716.7
23630.8	5°	23498.9	23711.0	23905.9	23756.9	23768.3	23722.5	23676.6	23659.4	23670.9
23418.7	7.5°	23321.3	23498.9	23711.0	23584.9	23619.3	23590.6	23567.7	23533.3	23584.9
23143.6	10°	23051.9	23212.4	23458.8	23338.5	23321.3	23292.6	23269.7	23206.6	23235.3
22645.0	12.5°	22461.5	22662.1	22943.0	22805.4	22851.3	22771.0	22736.7	22696.5	22702.3
21779.5	15°	21659.1	21813.9	22100.5	21991.6	22026.0	21974.4	21974.4	21974.4	22014.5
20209.1	17.5°	20260.7	20575.9	21028.7	20891.1	20942.7	20954.2	20942.7	20982.8	21034.4
17973.8	20°	17985.3	18524.0	19349.4	19618.7	19727.6	19733.4	19653.1	19750.6	19853.7
15881.8	22.5°	15893.3	16460.7	17188.6	17928.0	18386.5	18363.6	18375.0	18438.1	18547.0
14019.1	25°	14082.2	14626.7	15285.8	15944.9	16947.9	17154.2	17160.0	17217.3	17303.2
12746.7	27.5°	12775.4	12987.5	13589.3	14254.1	15331.6	15990.7	15956.4	16007.9	16099.6
11153.4	30°	11199.3	12013.1	12150.7	12557.6	13486.1	14695.4	14701.2	14758.5	14850.2
10213.4	32.5°	10184.8	10723.5	11147.7	11159.1	11950.1	13193.8	13440.2	13497.6	13560.6
9239.1	35°	9233.4	9296.4	9869.6	10030.0	10488.6	11720.8	12156.4	12190.8	12294.0
7857.8	37.5°	7989.6	8362.2	8522.7	9095.8	9118.7	10116.0	10981.5	10947.1	11027.3
6763.1	40°	6849.1	7204.4	7611.4	8029.8	8087.1	8832.2	9789.3	9823.7	9858.1
5611.1	42.5°	5656.9	6109.7	6528.1	6809.0	7198.7	7628.6	8539.9	8700.3	8780.6
4808.7	45°	4894.7	5020.7	5519.4	5932.0	6327.5	6528.1	7382.1	7674.4	7726.0
3805.7	47.5°	3857.3	4281.4	4619.5	4969.2	5462.1	5639.7	6258.7	6665.7	6705.8
2825.6	50°	2980.4	3284.1	3748.4	4063.6	4636.7	4734.2	5158.3	5685.6	5737.2
1891.4	52.5°	2132.1	2544.8	2997.5	3301.3	3851.5	3977.6	4292.9	4797.2	4831.6
1450.1	55°	1530.3	1799.7	2172.2	2607.8	3009.0	3289.9	3507.6	3989.1	4034.9
951.4	57.5°	1043.1	1295.3	1450.1	1885.6	2126.4	2430.1	2607.8	2974.6	3009.0
452.8	60°	498.6	619.0	739.4	957.2	1111.9	1369.8	1484.4	1633.5	1673.6
275.1	62.5°	321.0	378.3	481.4	573.1	722.2	882.6	928.5	1054.6	1100.4
171.9	65°	212.1	269.4	378.3	401.2	550.2	676.3	733.6	825.3	876.9
103.2	67.5°	120.4	189.1	280.8	332.4	435.6	556.0	619.0	699.2	745.1
68.8	70°	80.2	154.7	223.5	275.1	343.9	447.1	527.3	596.1	624.7
34.4	72.5°	45.9	97.4	154.7	217.8	275.1	372.5	447.1	504.4	332.4
22.9	75°	28.7	74.5	131.8	183.4	229.3	298.0	361.1	355.3	149.0
17.2	77.5°	22.9	57.3	114.6	154.7	189.1	206.3	257.9	292.3	114.6
11.5	80°	17.2	45.9	103.2	131.8	74.5	149.0	200.6	217.8	80.2
11.5	82.5°	11.5	28.7	86.0	91.7	51.6	108.9	160.5	143.3	57.3
5.7	85°	5.7	17.2	28.7	51.6	45.9	51.6	40.1	57.3	40.1
5.7	87.5°	5.7	11.5	22.9	22.9	22.9	17.2	22.9	22.9	22.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
23923.1
23854.3
23814.2
23728.2
23372.8
22868.5
22031.7
21206.4
19922.5
18564.2
17452.3
16185.6
15010.7
13703.9
12402.9
11124.7
9967.0
8895.2
7852.1
6803.2
5811.7
4894.7
4075.1
3077.8
1719.4
1111.9
876.9
739.4
619.0
269.4
149.0
114.6
86.0
57.3
40.1
22.9
0.0

(END OF REPORT)