

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: P636602

Luminaire Tested: **IFLD-S-SA6A-930-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636602
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-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: 13753.4 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G1

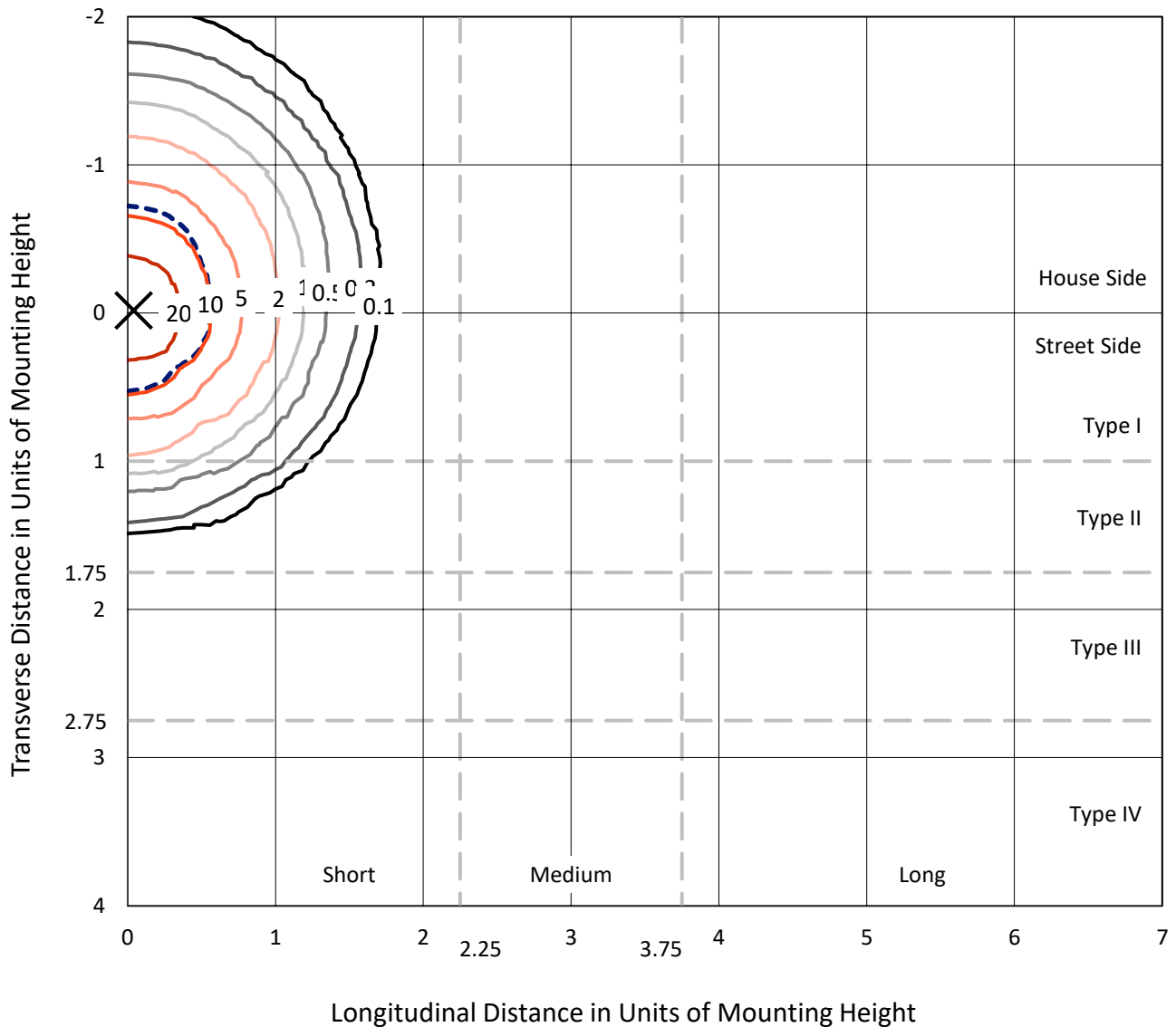
Input Watts (W): 189.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

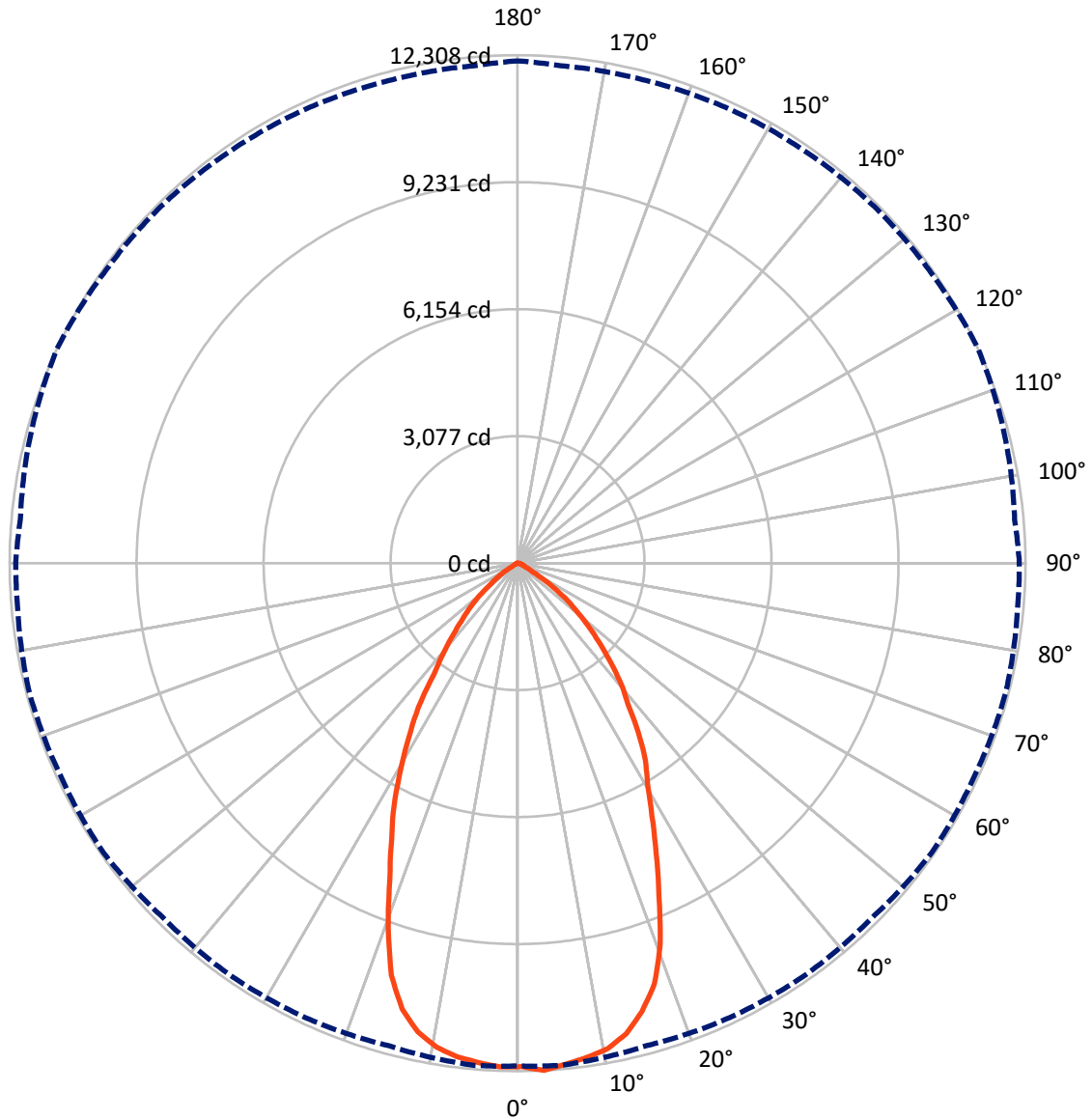
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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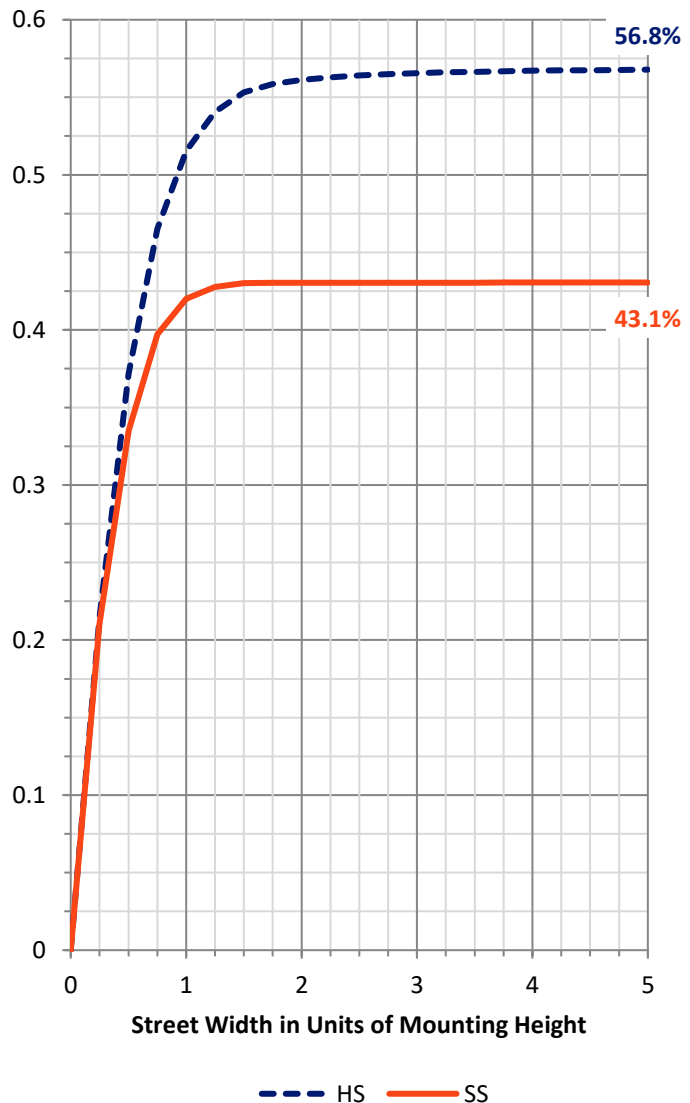
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7870.9	0.0	7870.9
	% Fixture	57.2	0.0	57.2
Street Side	Lumens	5882.5	0.0	5882.5
	% Fixture	42.8	0.0	42.8
Total	Lumens	13753.4	0.0	13753.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1149.3	8.4
10°-20°	3047.5	22.2
20°-30°	3485.7	25.3
30°-40°	2987.1	21.7
40°-50°	1975.2	14.4
50°-60°	861.9	6.3
60°-70°	169.3	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°	13753.4	100.0
0°-180°	13753.4	100.0



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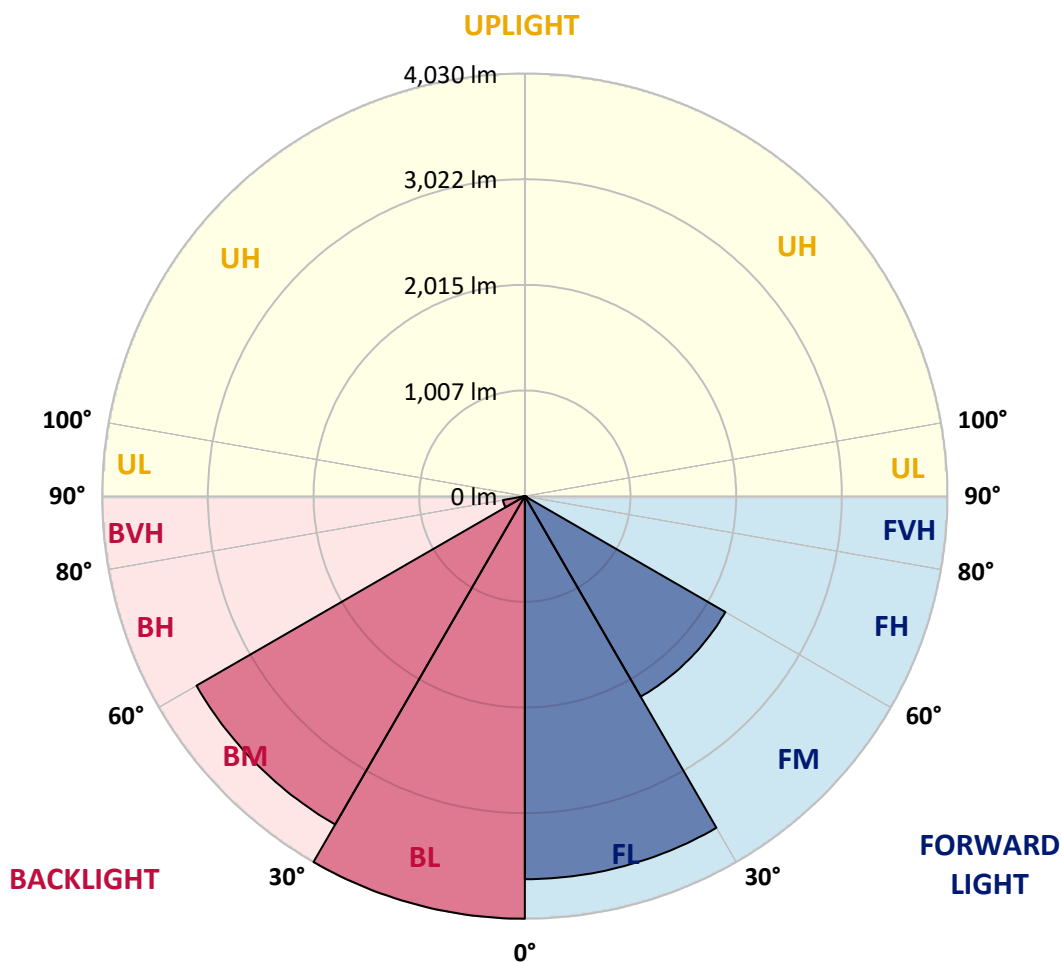
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3652.6	26.6			
FM (30°-60°)	2208.5	16.1			
FH (60°-80°)	18.7	0.1			G0/660
FVH (80°-90°)	2.7	0.0			G0/10
BL (0°-30°)	4029.9	29.3	B4/5000		
BM (30°-60°)	3615.7	26.3	B3/5000		
BH (60°-80°)	211.7	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12202.7	12202.7	12202.7	12202.7	12202.7	12202.7	12202.7	12202.7	12202.7	12202.7
2.5°	12185.2	12214.4	12103.3	12153.0	12173.5	12147.2	12243.6	12214.4	12237.8	12164.7
5°	12185.2	12214.4	12085.8	12109.2	12115.0	12065.3	12170.6	12135.5	12138.4	12062.4
7.5°	12109.2	12144.2	12027.3	12044.8	12047.8	12006.8	12097.5	12047.8	12030.2	11951.3
10°	11904.5	11925.0	11819.7	11863.6	11904.5	11866.5	11945.4	11889.9	11889.9	11819.7
12.5°	11580.0	11618.0	11501.1	11553.7	11588.8	11544.9	11635.6	11615.1	11618.0	11547.9
15°	10989.5	10857.9	10998.2	11103.5	11106.4	11097.6	11182.4	11162.0	11176.6	11071.3
17.5°	8118.6	8086.4	8250.1	9492.6	10416.5	10542.2	10556.8	10445.7	10396.0	10293.7
20°	7522.2	7545.6	7510.5	7516.3	8244.3	9755.7	9665.1	9390.3	9264.6	9162.3
22.5°	7086.6	7048.6	7025.2	7010.6	7031.0	8016.3	8668.2	8253.1	8185.8	8136.1
25°	6613.0	6595.4	6566.2	6560.3	6548.7	6382.0	7320.5	7358.5	7250.3	7188.9
27.5°	6171.5	6159.8	6127.7	6124.7	5990.3	5586.8	5689.1	6592.5	6563.3	6539.9
30°	5700.8	5677.5	5659.9	5659.9	5253.5	4838.4	4671.8	5747.6	5747.6	5727.2
32.5°	5189.2	5168.8	5174.6	5104.4	4619.1	4239.1	3976.0	4961.2	5268.2	5250.6
35°	3172.0	3166.2	3759.6	4540.2	3970.1	3625.1	3607.6	4244.9	4692.2	4739.0
37.5°	2824.1	2806.6	2815.3	2865.0	3400.0	3262.6	3256.8	3365.0	3993.5	4016.9
40°	2534.7	2523.0	2514.2	2335.9	2166.3	2911.8	2891.3	2821.2	3411.7	3452.7
42.5°	2259.9	2248.2	2248.2	1996.8	1721.9	2394.4	2403.1	2321.3	2876.7	2891.3
45°	1976.3	1967.5	1917.8	1593.3	1514.4	1590.4	1990.9	1897.4	2283.3	2435.3
47.5°	932.6	926.8	1341.9	1324.3	1318.5	1271.7	1520.2	1572.8	1812.6	1964.6
50°	748.4	742.6	707.5	622.7	1084.6	964.8	1096.3	1210.3	1286.3	1426.7
52.5°	619.8	613.9	540.8	479.5	602.2	704.6	654.9	809.8	806.9	958.9
55°	406.4	377.1	415.1	391.7	315.7	511.6	499.9	613.9	599.3	730.9
57.5°	8.8	8.8	20.5	222.2	198.8	216.3	286.5	350.8	394.7	432.7
60°	2.9	2.9	5.8	11.7	81.9	90.6	111.1	128.6	181.3	225.1
62.5°	0.0	0.0	2.9	5.8	11.7	46.8	52.6	61.4	84.8	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	46.8
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



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CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
12202.7	0°	12202.7	12202.7	12202.7	12202.7	12202.7	12202.7	12202.7	12202.7	12202.7
12158.9	2.5°	12091.6	12205.6	12308.0	12243.6	12220.3	12173.5	12138.4	12100.4	12097.5
12053.6	5°	11986.4	12094.5	12193.9	12117.9	12123.8	12100.4	12077.0	12068.2	12074.1
11945.4	7.5°	11895.8	11986.4	12094.5	12030.2	12047.8	12033.2	12021.5	12003.9	12030.2
11805.1	10°	11758.3	11840.2	11965.9	11904.5	11895.8	11881.1	11869.4	11837.3	11851.9
11550.8	12.5°	11457.2	11559.5	11702.8	11632.6	11656.0	11615.1	11597.6	11577.1	11580.0
11109.3	15°	11047.9	11126.9	11273.0	11217.5	11235.0	11208.7	11208.7	11208.7	11229.2
10308.3	17.5°	10334.6	10495.4	10726.3	10656.2	10682.5	10688.3	10682.5	10703.0	10729.3
9168.1	20°	9174.0	9448.8	9869.8	10007.2	10062.7	10065.6	10024.7	10074.4	10127.0
8101.0	22.5°	8106.9	8396.3	8767.6	9144.7	9378.6	9366.9	9372.8	9404.9	9460.5
7150.9	25°	7183.1	7460.8	7797.0	8133.2	8644.8	8750.1	8753.0	8782.2	8826.1
6501.9	27.5°	6516.5	6624.7	6931.6	7270.8	7820.4	8156.6	8139.0	8165.4	8212.1
5689.1	30°	5712.5	6127.7	6197.8	6405.4	6879.0	7495.9	7498.8	7528.0	7574.8
5209.7	32.5°	5195.1	5469.9	5686.2	5692.1	6095.5	6729.9	6855.6	6884.9	6917.0
4712.7	35°	4709.8	4741.9	5034.3	5116.1	5350.0	5978.6	6200.8	6218.3	6270.9
4008.1	37.5°	4075.4	4265.4	4347.3	4639.6	4651.3	5160.0	5601.4	5583.9	5624.8
3449.7	40°	3493.6	3674.8	3882.4	4095.8	4125.1	4505.1	4993.4	5010.9	5028.4
2862.1	42.5°	2885.5	3116.5	3329.9	3473.1	3671.9	3891.2	4356.0	4437.9	4478.8
2452.8	45°	2496.7	2561.0	2815.3	3025.8	3227.6	3329.9	3765.5	3914.6	3940.9
1941.2	47.5°	1967.5	2183.9	2356.3	2534.7	2786.1	2876.7	3192.5	3400.0	3420.5
1441.3	50°	1520.2	1675.2	1912.0	2072.8	2365.1	2414.8	2631.2	2900.1	2926.4
964.8	52.5°	1087.5	1298.0	1529.0	1683.9	1964.6	2028.9	2189.7	2447.0	2464.5
739.6	55°	780.6	918.0	1108.0	1330.2	1534.8	1678.1	1789.2	2034.8	2058.1
485.3	57.5°	532.1	660.7	739.6	961.8	1084.6	1239.6	1330.2	1517.3	1534.8
231.0	60°	254.3	315.7	377.1	488.2	567.2	698.7	757.2	833.2	853.7
140.3	62.5°	163.7	193.0	245.6	292.4	368.4	450.2	473.6	537.9	561.3
87.7	65°	108.2	137.4	193.0	204.6	280.7	345.0	374.2	421.0	447.3
52.6	67.5°	61.4	96.5	143.3	169.6	222.2	283.6	315.7	356.7	380.1
35.1	70°	40.9	78.9	114.0	140.3	175.4	228.0	269.0	304.0	318.7
17.5	72.5°	23.4	49.7	78.9	111.1	140.3	190.0	228.0	257.3	169.6
11.7	75°	14.6	38.0	67.2	93.6	116.9	152.0	184.2	181.3	76.0
8.8	77.5°	11.7	29.2	58.5	78.9	96.5	105.2	131.6	149.1	58.5
5.8	80°	8.8	23.4	52.6	67.2	38.0	76.0	102.3	111.1	40.9
5.8	82.5°	5.8	14.6	43.9	46.8	26.3	55.5	81.9	73.1	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°
12202.7
12167.6
12147.2
12103.3
11922.1
11664.8
11238.0
10817.0
10162.1
9469.2
8902.1
8256.0
7656.7
6990.1
6326.5
5674.5
5084.0
4537.3
4005.2
3470.2
2964.4
2496.7
2078.6
1569.9
877.1
567.2
447.3
377.1
315.7
137.4
76.0
58.5
43.9
29.2
20.5
11.7
0.0

(END OF REPORT)