

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: P636626

Luminaire Tested: **IFLD-S-SA3A-935-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636626
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-935-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (48) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7273.9 lumens
Efficiency: N/A
Efficacy: 76.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G1

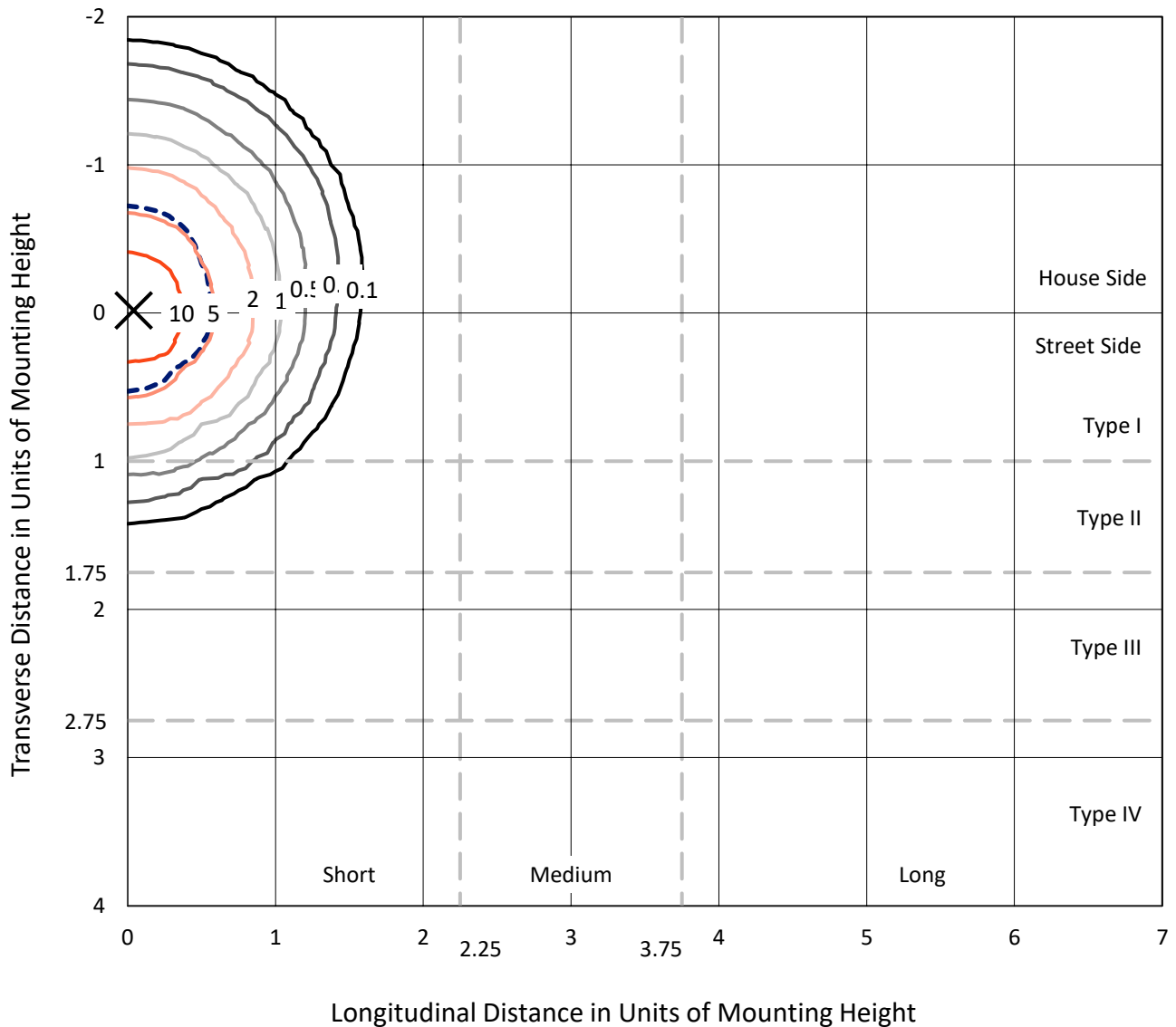
Input Watts (W): 94.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636626
 CATALOG NUMBER: IFLD-S-SA3A-935-U-66-VI

Iso-Footcandle Lines of Horizontal Illumination

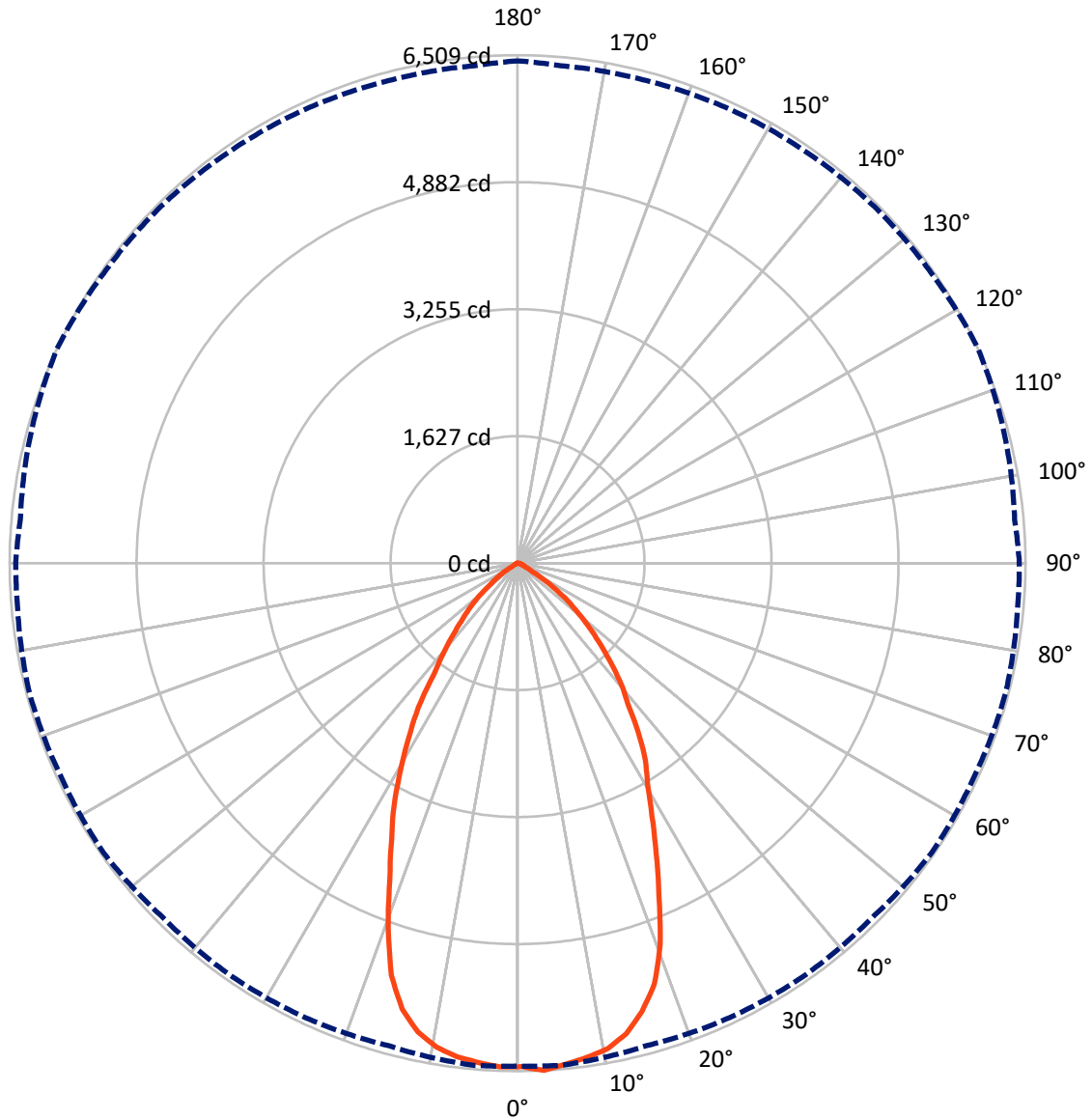
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 16.1 fc
 Type I - Short - N/A

REPORT NUMBER: P636626
CATALOG NUMBER: IFLD-S-SA3A-935-U-66-VI

Luminous Intensity Polar Plot



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

REPORT NUMBER: P636626

CATALOG NUMBER: IFLD-S-SA3A-935-U-66-VI

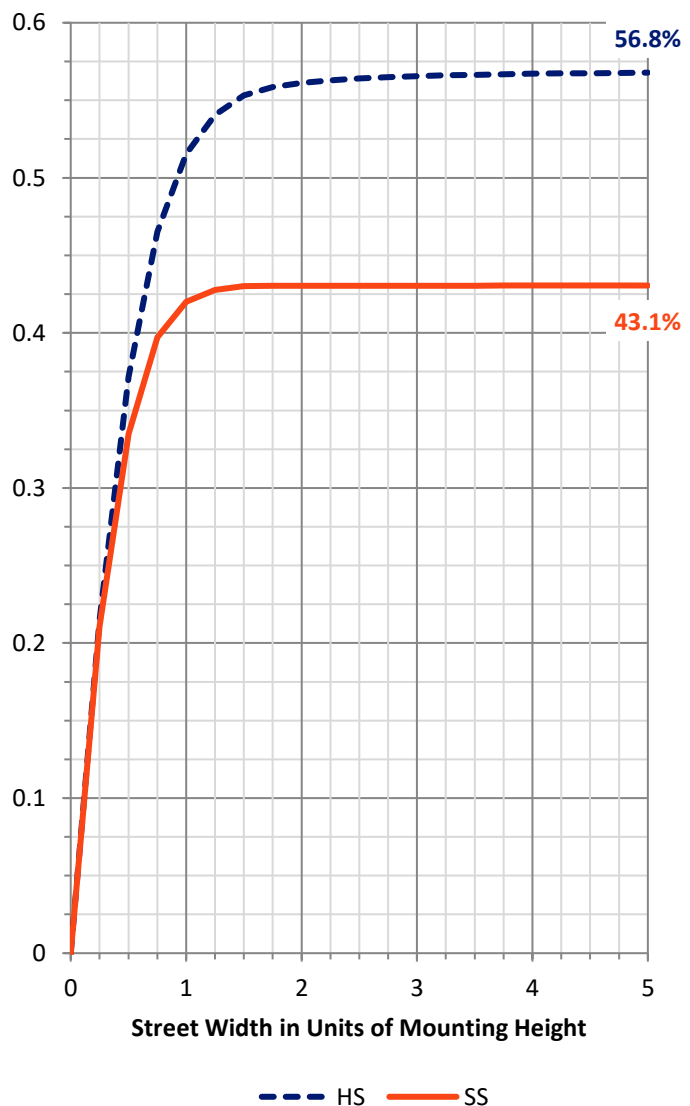
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4162.8	0.0	4162.8
	% Fixture	57.2	0.0	57.2
Street Side	Lumens	3111.1	0.0	3111.1
	% Fixture	42.8	0.0	42.8
Total	Lumens	7273.9	0.0	7273.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	607.9	8.4
10°-20°	1611.7	22.2
20°-30°	1843.5	25.3
30°-40°	1579.8	21.7
40°-50°	1044.6	14.4
50°-60°	455.8	6.3
60°-70°	89.6	1.2
70°-80°	32.3	0.4
80°-90°	8.6	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°	7273.9	100.0
0°-180°	7273.9	100.0



REPORT NUMBER: P636626

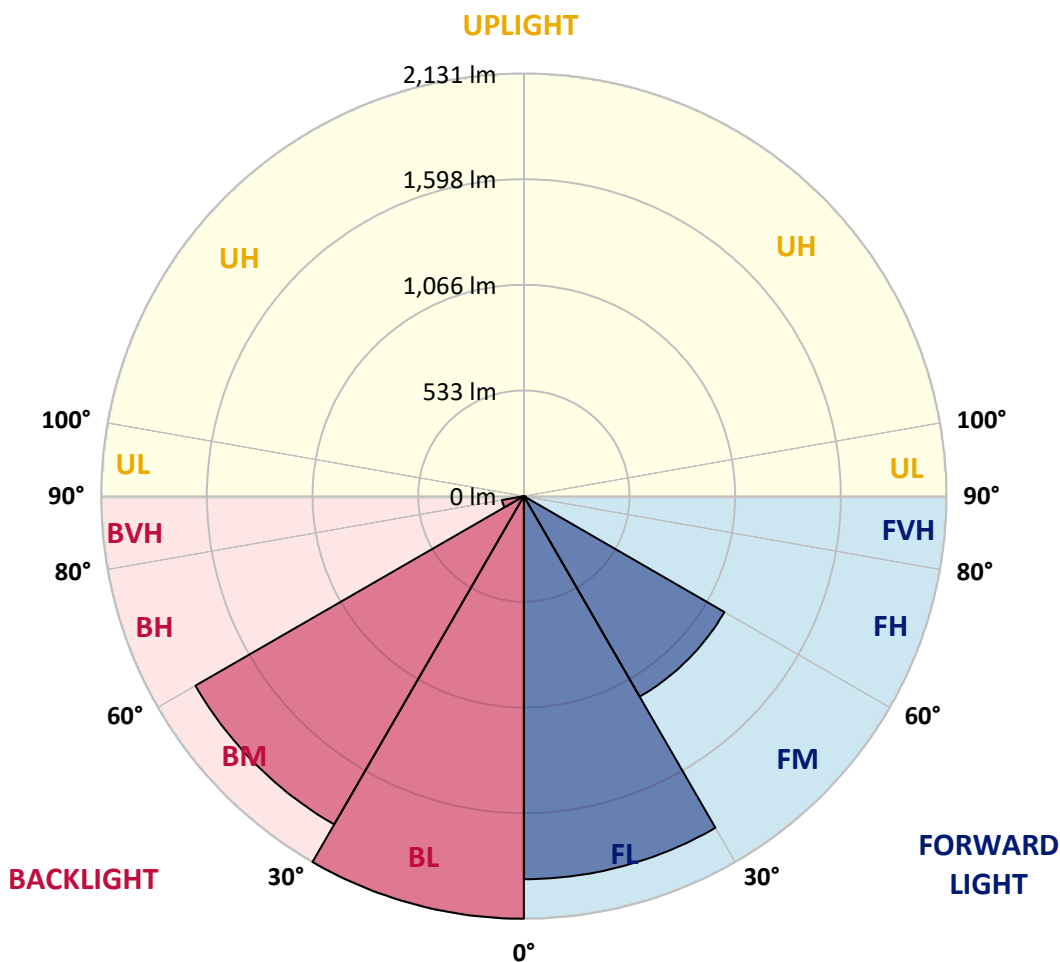
CATALOG NUMBER: IFLD-S-SA3A-935-U-66-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1931.8	26.6			
FM (30°-60°)	1168.0	16.1			
FH (60°-80°)	9.9	0.1			G0/660
FVH (80°-90°)	1.4	0.0			G0/10
BL (0°-30°)	2131.3	29.3	B3/2500		
BM (30°-60°)	1912.3	26.3	B2/2500		
BH (60°-80°)	112.0	1.5	B1/500		G1/500
BVH (80°-90°)	7.2	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type I Short





REPORT NUMBER: P636626
 CATALOG NUMBER: IFLD-S-SA3A-935-U-66-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6453.8	6453.8	6453.8	6453.8	6453.8	6453.8	6453.8	6453.8	6453.8	6453.8
2.5°	6444.5	6460.0	6401.2	6427.5	6438.3	6424.4	6475.4	6460.0	6472.3	6433.7
5°	6444.5	6460.0	6391.9	6404.3	6407.4	6381.1	6436.8	6418.2	6419.8	6379.6
7.5°	6404.3	6422.9	6361.0	6370.3	6371.8	6350.2	6398.1	6371.8	6362.6	6320.8
10°	6296.1	6306.9	6251.2	6274.4	6296.1	6276.0	6317.7	6288.3	6288.3	6251.2
12.5°	6124.4	6144.5	6082.7	6110.5	6129.1	6105.9	6153.8	6143.0	6144.5	6107.4
15°	5812.1	5742.5	5816.8	5872.4	5874.0	5869.3	5914.2	5903.3	5911.1	5855.4
17.5°	4293.8	4276.8	4363.3	5020.5	5509.1	5575.6	5583.3	5524.5	5498.2	5444.1
20°	3978.3	3990.7	3972.2	3975.2	4360.2	5159.6	5111.7	4966.4	4899.9	4845.8
22.5°	3748.0	3727.9	3715.5	3707.8	3718.6	4239.6	4584.4	4364.9	4329.3	4303.0
25°	3497.5	3488.2	3472.7	3469.6	3463.5	3375.3	3871.7	3891.8	3834.5	3802.1
27.5°	3264.0	3257.8	3240.8	3239.3	3168.1	2954.8	3008.9	3486.7	3471.2	3458.8
30°	3015.1	3002.7	2993.4	2993.4	2778.5	2558.9	2470.8	3039.8	3039.8	3029.0
32.5°	2744.5	2733.7	2736.8	2699.6	2443.0	2242.0	2102.8	2623.9	2786.2	2777.0
35°	1677.6	1674.5	1988.4	2401.2	2099.7	1917.3	1908.0	2245.1	2481.6	2506.4
37.5°	1493.6	1484.3	1489.0	1515.3	1798.2	1725.5	1722.5	1779.7	2112.1	2124.5
40°	1340.5	1334.4	1329.7	1235.4	1145.7	1540.0	1529.2	1492.1	1804.4	1826.0
42.5°	1195.2	1189.0	1189.0	1056.0	910.7	1266.3	1271.0	1227.7	1521.4	1529.2
45°	1045.2	1040.6	1014.3	842.7	800.9	841.1	1053.0	1003.5	1207.6	1288.0
47.5°	493.2	490.1	709.7	700.4	697.3	672.6	804.0	831.8	958.6	1039.0
50°	395.8	392.7	374.2	329.3	573.6	510.2	579.8	640.1	680.3	754.5
52.5°	327.8	324.7	286.0	253.6	318.5	372.6	346.3	428.3	426.7	507.1
55°	214.9	199.5	219.6	207.2	167.0	270.6	264.4	324.7	317.0	386.5
57.5°	4.6	4.6	10.8	117.5	105.1	114.4	151.5	185.5	208.7	228.8
60°	1.5	1.5	3.1	6.2	43.3	47.9	58.8	68.0	95.9	119.1
62.5°	0.0	0.0	1.5	3.1	6.2	24.7	27.8	32.5	44.8	61.8
65°	0.0	0.0	0.0	1.5	3.1	6.2	9.3	20.1	27.8	35.6
67.5°	0.0	0.0	0.0	1.5	1.5	3.1	6.2	9.3	12.4	24.7
70°	0.0	0.0	0.0	1.5	1.5	3.1	4.6	6.2	9.3	12.4
72.5°	0.0	0.0	0.0	1.5	1.5	4.6	3.1	4.6	6.2	7.7
75°	0.0	0.0	0.0	1.5	1.5	1.5	3.1	4.6	4.6	6.2
77.5°	0.0	0.0	0.0	1.5	3.1	3.1	3.1	3.1	3.1	4.6
80°	0.0	0.0	0.0	1.5	1.5	3.1	4.6	6.2	3.1	3.1
82.5°	0.0	0.0	0.0	3.1	1.5	6.2	9.3	7.7	3.1	1.5
85°	0.0	0.0	0.0	1.5	6.2	7.7	7.7	4.6	1.5	1.5
87.5°	0.0	0.0	0.0	1.5	1.5	3.1	4.6	4.6	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P636626

CATALOG NUMBER: IFLD-S-SA3A-935-U-66-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
6453.8	0°	6453.8	6453.8	6453.8	6453.8	6453.8	6453.8	6453.8	6453.8	6453.8
6430.6	2.5°	6395.0	6455.3	6509.4	6475.4	6463.1	6438.3	6419.8	6399.7	6398.1
6374.9	5°	6339.4	6396.6	6449.1	6408.9	6412.0	6399.7	6387.3	6382.7	6385.8
6317.7	7.5°	6291.4	6339.4	6396.6	6362.6	6371.8	6364.1	6357.9	6348.6	6362.6
6243.5	10°	6218.8	6262.1	6328.5	6296.1	6291.4	6283.7	6277.5	6260.5	6268.2
6109.0	12.5°	6059.5	6113.6	6189.4	6152.3	6164.7	6143.0	6133.7	6122.9	6124.4
5875.5	15°	5843.0	5884.8	5962.1	5932.7	5942.0	5928.1	5928.1	5928.1	5938.9
5451.9	17.5°	5465.8	5550.8	5673.0	5635.9	5649.8	5652.9	5649.8	5660.6	5674.5
4848.8	20°	4851.9	4997.3	5219.9	5292.6	5322.0	5323.5	5301.9	5328.2	5356.0
4284.5	22.5°	4287.6	4440.7	4637.0	4836.5	4960.2	4954.0	4957.1	4974.1	5003.5
3782.0	25°	3799.0	3945.9	4123.7	4301.5	4572.1	4627.7	4629.3	4644.7	4667.9
3438.7	27.5°	3446.5	3503.7	3666.0	3845.4	4136.1	4313.9	4304.6	4318.5	4343.2
3008.9	30°	3021.3	3240.8	3277.9	3387.7	3638.2	3964.4	3966.0	3981.4	4006.2
2755.3	32.5°	2747.6	2892.9	3007.3	3010.4	3223.8	3559.3	3625.8	3641.3	3658.3
2492.5	35°	2490.9	2507.9	2662.5	2705.8	2829.5	3162.0	3279.5	3288.7	3316.6
2119.8	37.5°	2155.4	2255.9	2299.2	2453.8	2460.0	2729.0	2962.5	2953.2	2974.9
1824.5	40°	1847.7	1943.6	2053.3	2166.2	2181.7	2382.7	2640.9	2650.2	2659.4
1513.7	42.5°	1526.1	1648.2	1761.1	1836.9	1942.0	2058.0	2303.8	2347.1	2368.8
1297.3	45°	1320.4	1354.5	1489.0	1600.3	1707.0	1761.1	1991.5	2070.3	2084.3
1026.7	47.5°	1040.6	1155.0	1246.2	1340.5	1473.5	1521.4	1688.4	1798.2	1809.0
762.3	50°	804.0	886.0	1011.2	1096.2	1250.9	1277.2	1391.6	1533.8	1547.7
510.2	52.5°	575.2	686.5	808.7	890.6	1039.0	1073.1	1158.1	1294.2	1303.4
391.2	55°	412.8	485.5	586.0	703.5	811.7	887.5	946.3	1076.1	1088.5
256.7	57.5°	281.4	349.4	391.2	508.7	573.6	655.6	703.5	802.5	811.7
122.1	60°	134.5	167.0	199.5	258.2	300.0	369.5	400.5	440.7	451.5
74.2	62.5°	86.6	102.0	129.9	154.6	194.8	238.1	250.5	284.5	296.9
46.4	65°	57.2	72.7	102.0	108.2	148.4	182.5	197.9	222.7	236.6
27.8	67.5°	32.5	51.0	75.8	89.7	117.5	150.0	167.0	188.6	201.0
18.6	70°	21.6	41.7	60.3	74.2	92.8	120.6	142.2	160.8	168.5
9.3	72.5°	12.4	26.3	41.7	58.8	74.2	100.5	120.6	136.1	89.7
6.2	75°	7.7	20.1	35.6	49.5	61.8	80.4	97.4	95.9	40.2
4.6	77.5°	6.2	15.5	30.9	41.7	51.0	55.7	69.6	78.9	30.9
3.1	80°	4.6	12.4	27.8	35.6	20.1	40.2	54.1	58.8	21.6
3.1	82.5°	3.1	7.7	23.2	24.7	13.9	29.4	43.3	38.7	15.5
1.5	85°	1.5	4.6	7.7	13.9	12.4	13.9	10.8	15.5	10.8
1.5	87.5°	1.5	3.1	6.2	6.2	6.2	4.6	6.2	6.2	6.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
6453.8
6435.2
6424.4
6401.2
6305.4
6169.3
5943.5
5720.9
5374.5
5008.1
4708.1
4366.4
4049.5
3696.9
3346.0
3001.2
2688.8
2399.7
2118.3
1835.3
1567.8
1320.4
1099.3
830.3
463.9
300.0
236.6
199.5
167.0
72.7
40.2
30.9
23.2
15.5
10.8
6.2
0.0

(END OF REPORT)