

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: P636621

Luminaire Tested: **IFLD-S-SA2A-935-U-66-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636621  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2A-935-U-66-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor  
Light Source: (32) 3500K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4880.9 lumens  
Efficiency: N/A  
Efficacy: 76.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G0

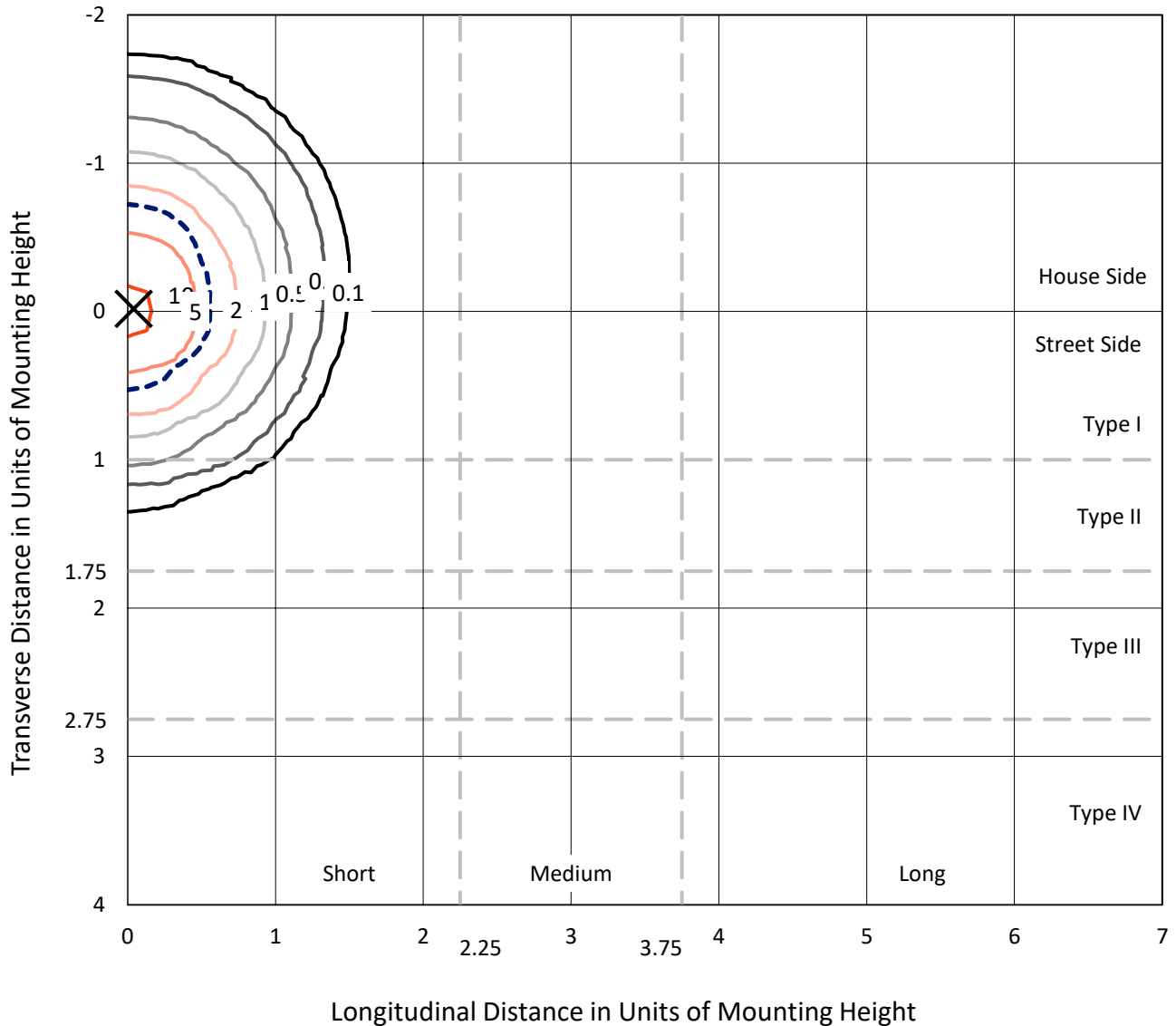
Input Watts (W): 63.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P636621  
 CATALOG NUMBER: IFLD-S-SA2A-935-U-66-VI

### Iso-Footcandle Lines of Horizontal Illumination

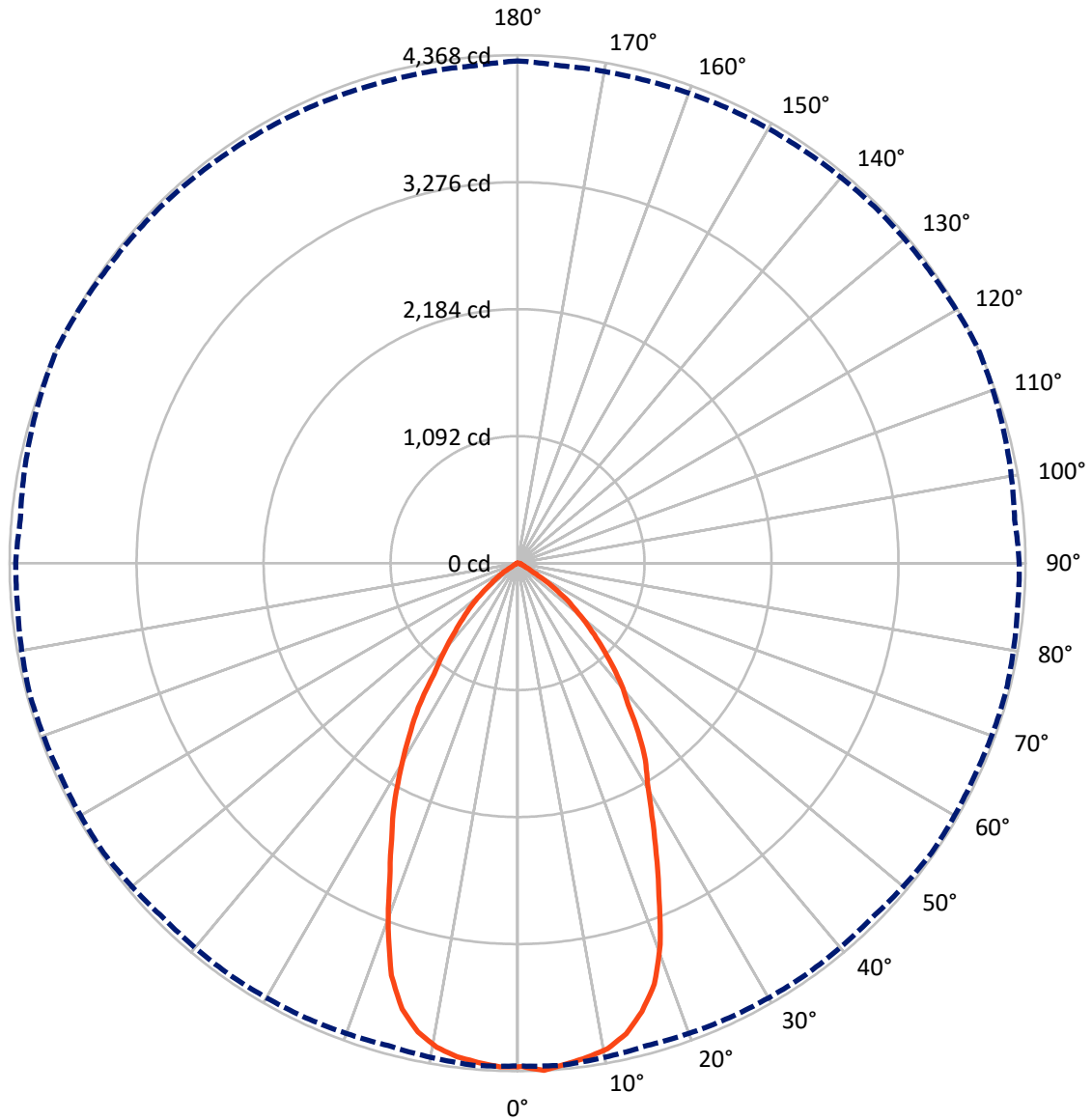
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.8 fc  
 Type I - Short - N/A

REPORT NUMBER: P636621  
CATALOG NUMBER: IFLD-S-SA2A-935-U-66-VI

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P636621  
 CATALOG NUMBER: IFLD-S-SA2A-935-U-66-VI

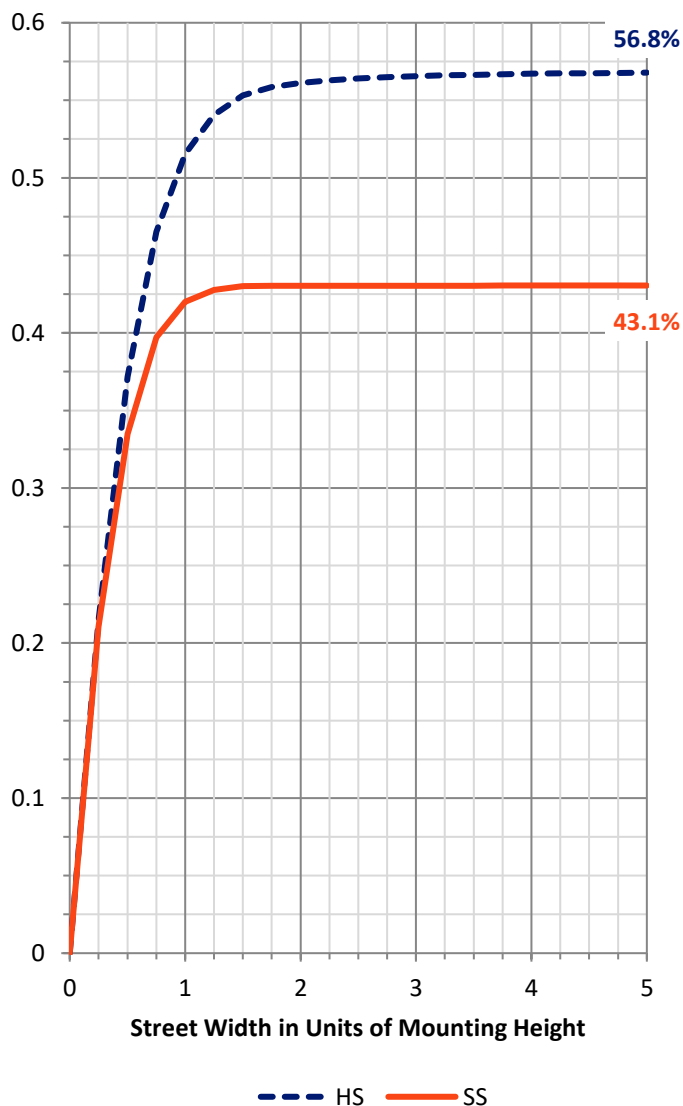
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2793.3	0.0	2793.3
	% Fixture	57.2	0.0	57.2
<b>Street Side</b>	Lumens	2087.6	0.0	2087.6
	% Fixture	42.8	0.0	42.8
<b>Total</b>	Lumens	4880.9	0.0	4880.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	407.9	8.4
10°-20°	1081.5	22.2
20°-30°	1237.0	25.3
30°-40°	1060.1	21.7
40°-50°	701.0	14.4
50°-60°	305.9	6.3
60°-70°	60.1	1.2
70°-80°	21.7	0.4
80°-90°	5.8	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°	4880.9	100.0
0°-180°	4880.9	100.0



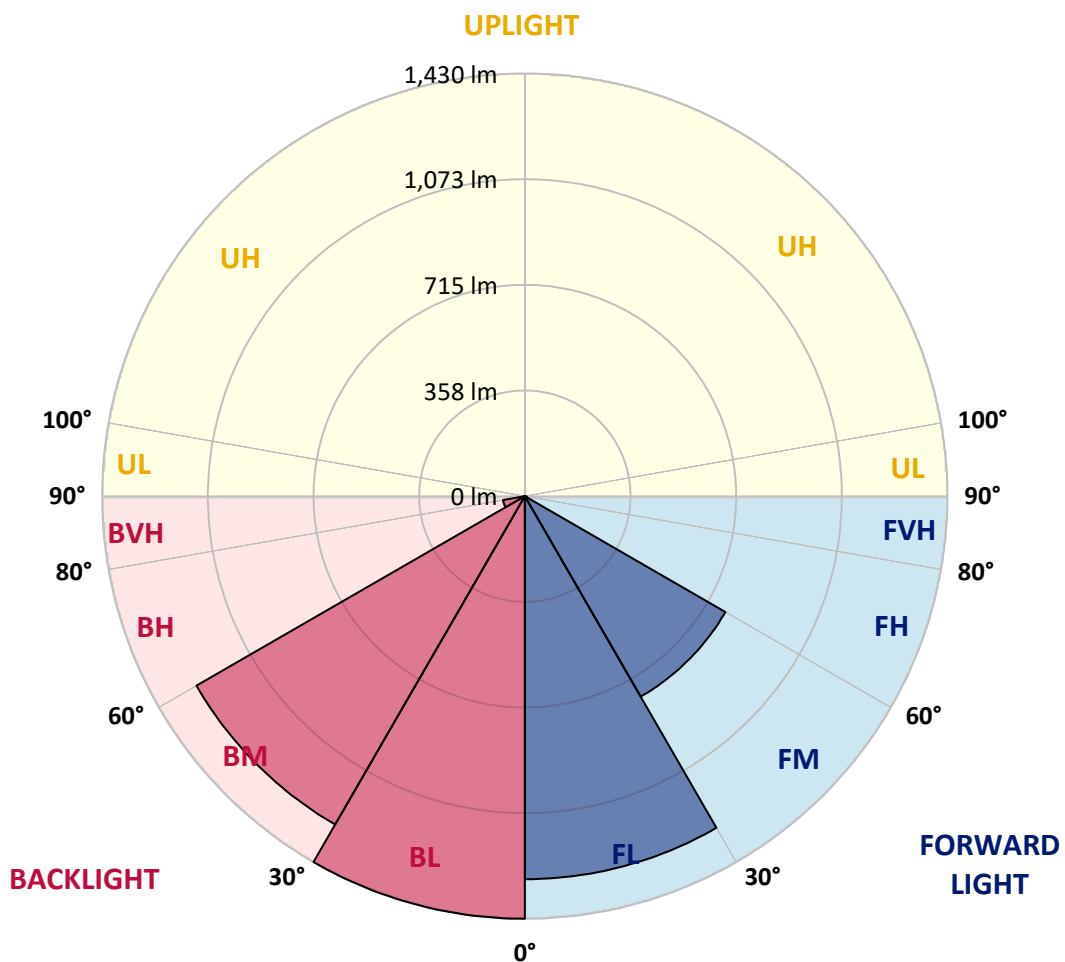
REPORT NUMBER: P636621  
 CATALOG NUMBER: IFLD-S-SA2A-935-U-66-VI

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1296.3	26.6			
FM (30°-60°)	783.8	16.1			
FH (60°-80°)	6.6	0.1			G0/660
FVH (80°-90°)	1.0	0.0			G0/10
BL (0°-30°)	1430.2	29.3	B3/2500		
BM (30°-60°)	1283.2	26.3	B2/2500		
BH (60°-80°)	75.2	1.5	B0/110		G0/110
BVH (80°-90°)	4.8	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-G0**

Type I Short





REPORT NUMBER: P636621  
 CATALOG NUMBER: IFLD-S-SA2A-935-U-66-VI

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4330.6	4330.6	4330.6	4330.6	4330.6	4330.6	4330.6	4330.6	4330.6	4330.6
2.5°	4324.4	4334.8	4295.3	4313.0	4320.2	4310.9	4345.1	4334.8	4343.1	4317.1
5°	4324.4	4334.8	4289.1	4297.4	4299.5	4281.8	4319.2	4306.7	4307.8	4280.8
7.5°	4297.4	4309.9	4268.4	4274.6	4275.6	4261.1	4293.3	4275.6	4269.4	4241.4
10°	4224.8	4232.0	4194.7	4210.3	4224.8	4211.3	4239.3	4219.6	4219.6	4194.7
12.5°	4109.6	4123.1	4081.6	4100.3	4112.7	4097.2	4129.3	4122.1	4123.1	4098.2
15°	3900.0	3853.3	3903.1	3940.5	3941.5	3938.4	3968.5	3961.3	3966.4	3929.1
17.5°	2881.2	2869.8	2927.9	3368.8	3696.7	3741.3	3746.5	3707.1	3689.4	3653.1
20°	2669.5	2677.8	2665.4	2667.5	2925.8	3462.2	3430.0	3332.5	3287.9	3251.6
22.5°	2514.9	2501.5	2493.2	2488.0	2495.2	2844.9	3076.2	2928.9	2905.1	2887.4
25°	2346.9	2340.6	2330.3	2328.2	2324.0	2264.9	2597.9	2611.4	2573.0	2551.3
27.5°	2190.2	2186.1	2174.6	2173.6	2125.9	1982.7	2019.0	2339.6	2329.2	2320.9
30°	2023.2	2014.9	2008.6	2008.6	1864.4	1717.1	1658.0	2039.8	2039.8	2032.5
32.5°	1841.6	1834.3	1836.4	1811.5	1639.3	1504.4	1411.0	1760.7	1869.6	1863.4
35°	1125.7	1123.6	1334.3	1611.3	1409.0	1286.5	1280.3	1506.5	1665.2	1681.8
37.5°	1002.2	996.0	999.1	1016.8	1206.6	1157.9	1155.8	1194.2	1417.3	1425.6
40°	899.5	895.4	892.3	829.0	768.8	1033.4	1026.1	1001.2	1210.8	1225.3
42.5°	802.0	797.9	797.9	708.6	611.1	849.7	852.8	823.8	1020.9	1026.1
45°	701.4	698.3	680.6	565.4	537.4	564.4	706.6	673.4	810.3	864.3
47.5°	331.0	328.9	476.2	470.0	467.9	451.3	539.5	558.2	643.3	697.2
50°	265.6	263.5	251.1	221.0	384.9	342.4	389.1	429.5	456.5	506.3
52.5°	220.0	217.9	191.9	170.2	213.7	250.0	232.4	287.4	286.4	340.3
55°	144.2	133.8	147.3	139.0	112.1	181.6	177.4	217.9	212.7	259.4
57.5°	3.1	3.1	7.3	78.9	70.6	76.8	101.7	124.5	140.1	153.6
60°	1.0	1.0	2.1	4.2	29.1	32.2	39.4	45.7	64.3	79.9
62.5°	0.0	0.0	1.0	2.1	4.2	16.6	18.7	21.8	30.1	41.5
65°	0.0	0.0	0.0	1.0	2.1	4.2	6.2	13.5	18.7	23.9
67.5°	0.0	0.0	0.0	1.0	1.0	2.1	4.2	6.2	8.3	16.6
70°	0.0	0.0	0.0	1.0	1.0	2.1	3.1	4.2	6.2	8.3
72.5°	0.0	0.0	0.0	1.0	1.0	3.1	2.1	3.1	4.2	5.2
75°	0.0	0.0	0.0	1.0	1.0	1.0	2.1	3.1	3.1	4.2
77.5°	0.0	0.0	0.0	1.0	2.1	2.1	2.1	2.1	2.1	3.1
80°	0.0	0.0	0.0	1.0	1.0	2.1	3.1	4.2	2.1	2.1
82.5°	0.0	0.0	0.0	2.1	1.0	4.2	6.2	5.2	2.1	1.0
85°	0.0	0.0	0.0	1.0	4.2	5.2	5.2	3.1	1.0	1.0
87.5°	0.0	0.0	0.0	1.0	1.0	2.1	3.1	3.1	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P636621  
 CATALOG NUMBER: IFLD-S-SA2A-935-U-66-VI

**CANDELA DISTRIBUTION (continued):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
4330.6	0°	4330.6	4330.6	4330.6	4330.6	4330.6	4330.6	4330.6	4330.6	4330.6
4315.0	2.5°	4291.2	4331.6	4368.0	4345.1	4336.8	4320.2	4307.8	4294.3	4293.3
4277.7	5°	4253.8	4292.2	4327.5	4300.5	4302.6	4294.3	4286.0	4282.9	4285.0
4239.3	7.5°	4221.7	4253.8	4292.2	4269.4	4275.6	4270.4	4266.3	4260.1	4269.4
4189.5	10°	4172.9	4202.0	4246.6	4224.8	4221.7	4216.5	4212.3	4200.9	4206.1
4099.2	12.5°	4066.0	4102.4	4153.2	4128.3	4136.6	4122.1	4115.8	4108.6	4109.6
3942.6	15°	3920.8	3948.8	4000.7	3981.0	3987.2	3977.9	3977.9	3977.9	3985.1
3658.3	17.5°	3667.6	3724.7	3806.7	3781.8	3791.1	3793.2	3791.1	3798.4	3807.7
3253.7	20°	3255.7	3353.3	3502.7	3551.4	3571.1	3572.2	3557.7	3575.3	3594.0
2875.0	22.5°	2877.0	2979.8	3111.5	3245.4	3328.4	3324.2	3326.3	3337.7	3357.4
2537.8	25°	2549.2	2647.8	2767.1	2886.4	3067.9	3105.3	3106.3	3116.7	3132.3
2307.4	27.5°	2312.6	2351.0	2460.0	2580.3	2775.4	2894.7	2888.5	2897.8	2914.4
2019.0	30°	2027.3	2174.6	2199.5	2273.2	2441.3	2660.2	2661.2	2671.6	2688.2
1848.9	32.5°	1843.7	1941.2	2018.0	2020.1	2163.2	2388.4	2433.0	2443.4	2454.8
1672.5	35°	1671.4	1682.9	1786.6	1815.7	1898.7	2121.7	2200.6	2206.8	2225.5
1422.4	37.5°	1446.3	1513.7	1542.8	1646.5	1650.7	1831.2	1987.9	1981.7	1996.2
1224.3	40°	1239.8	1304.2	1377.8	1453.6	1463.9	1598.8	1772.1	1778.3	1784.5
1015.7	42.5°	1024.0	1106.0	1181.7	1232.6	1303.1	1380.9	1545.9	1575.0	1589.5
870.5	45°	886.0	908.9	999.1	1073.8	1145.4	1181.7	1336.3	1389.2	1398.6
688.9	47.5°	698.3	775.0	836.2	899.5	988.8	1020.9	1133.0	1206.6	1213.9
511.5	50°	539.5	594.5	678.5	735.6	839.4	857.0	933.8	1029.2	1038.6
342.4	52.5°	386.0	460.7	542.6	597.6	697.2	720.0	777.1	868.4	874.6
262.5	55°	277.0	325.8	393.2	472.1	544.7	595.5	635.0	722.1	730.4
172.2	57.5°	188.8	234.5	262.5	341.3	384.9	439.9	472.1	538.5	544.7
82.0	60°	90.3	112.1	133.8	173.3	201.3	248.0	268.7	295.7	303.0
49.8	62.5°	58.1	68.5	87.2	103.8	130.7	159.8	168.1	190.9	199.2
31.1	65°	38.4	48.8	68.5	72.6	99.6	122.4	132.8	149.4	158.7
18.7	67.5°	21.8	34.2	50.8	60.2	78.9	100.6	112.1	126.6	134.9
12.5	70°	14.5	28.0	40.5	49.8	62.3	80.9	95.5	107.9	113.1
6.2	72.5°	8.3	17.6	28.0	39.4	49.8	67.4	80.9	91.3	60.2
4.2	75°	5.2	13.5	23.9	33.2	41.5	54.0	65.4	64.3	27.0
3.1	77.5°	4.2	10.4	20.8	28.0	34.2	37.4	46.7	52.9	20.8
2.1	80°	3.1	8.3	18.7	23.9	13.5	27.0	36.3	39.4	14.5
2.1	82.5°	2.1	5.2	15.6	16.6	9.3	19.7	29.1	25.9	10.4
1.0	85°	1.0	3.1	5.2	9.3	8.3	9.3	7.3	10.4	7.3
1.0	87.5°	1.0	2.1	4.2	4.2	4.2	3.1	4.2	4.2	4.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
4330.6  
4318.2  
4310.9  
4295.3  
4231.0  
4139.7  
3988.2  
3838.8  
3606.4  
3360.5  
3159.2  
2930.0  
2717.3  
2480.7  
2245.2  
2013.8  
1804.2  
1610.2  
1421.4  
1231.5  
1052.0  
886.0  
737.7  
557.1  
311.3  
201.3  
158.7  
133.8  
112.1  
48.8  
27.0  
20.8  
15.6  
10.4  
7.3  
4.2  
0.0

(END OF REPORT)