

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: P636926

Luminaire Tested: **IFLD-M-SA4A-935-U-LAM-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636926  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4A-935-U-LAM-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/  
Lambertian distribution lens and Visor  
Light Source: (64) 3500K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9037.8 lumens  
Efficiency: N/A  
Efficacy: 70.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G1

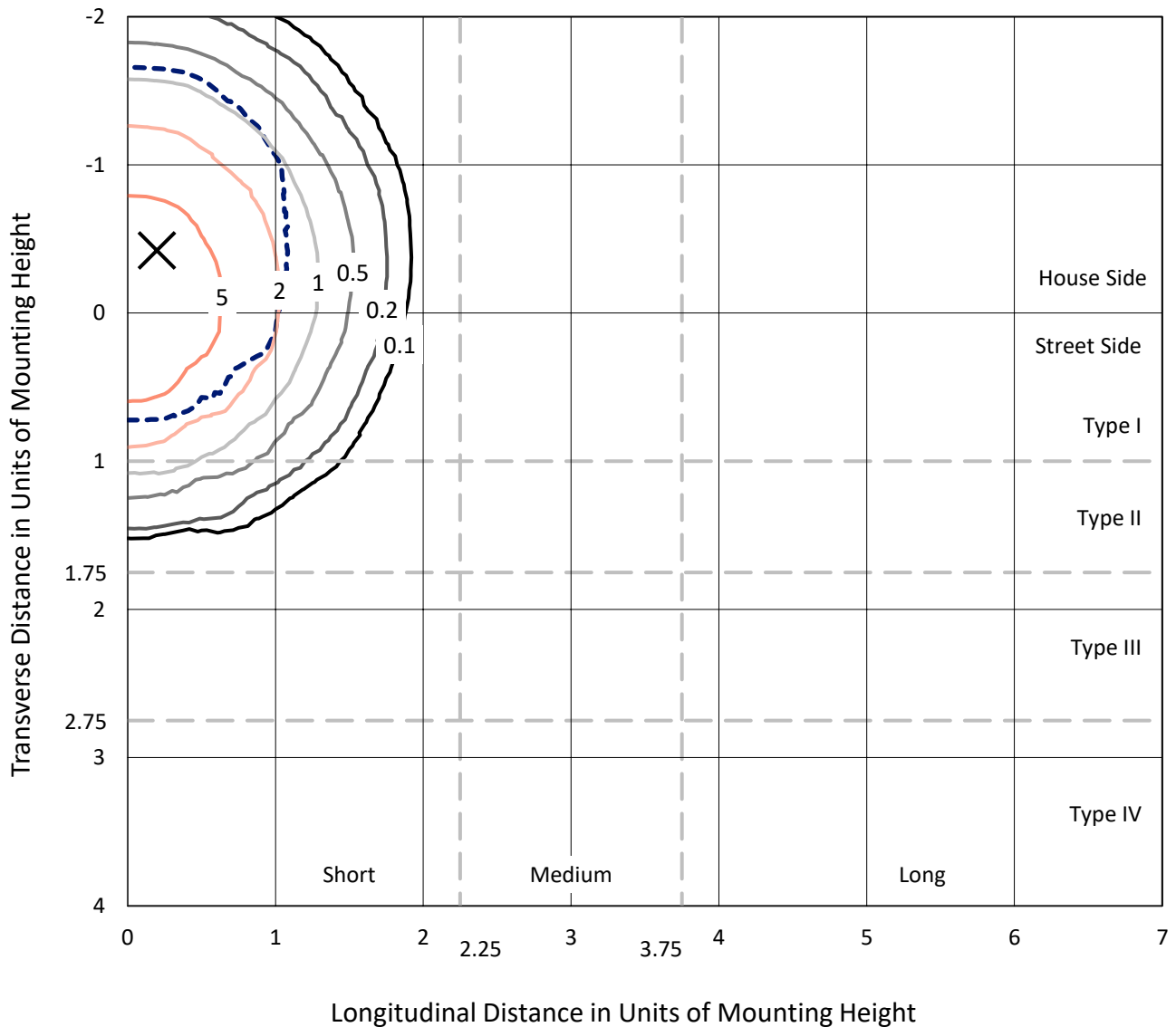
Input Watts (W): 128.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P636926  
 CATALOG NUMBER: IFLD-M-SA4A-935-U-LAM-VI

### Iso-Footcandle Lines of Horizontal Illumination

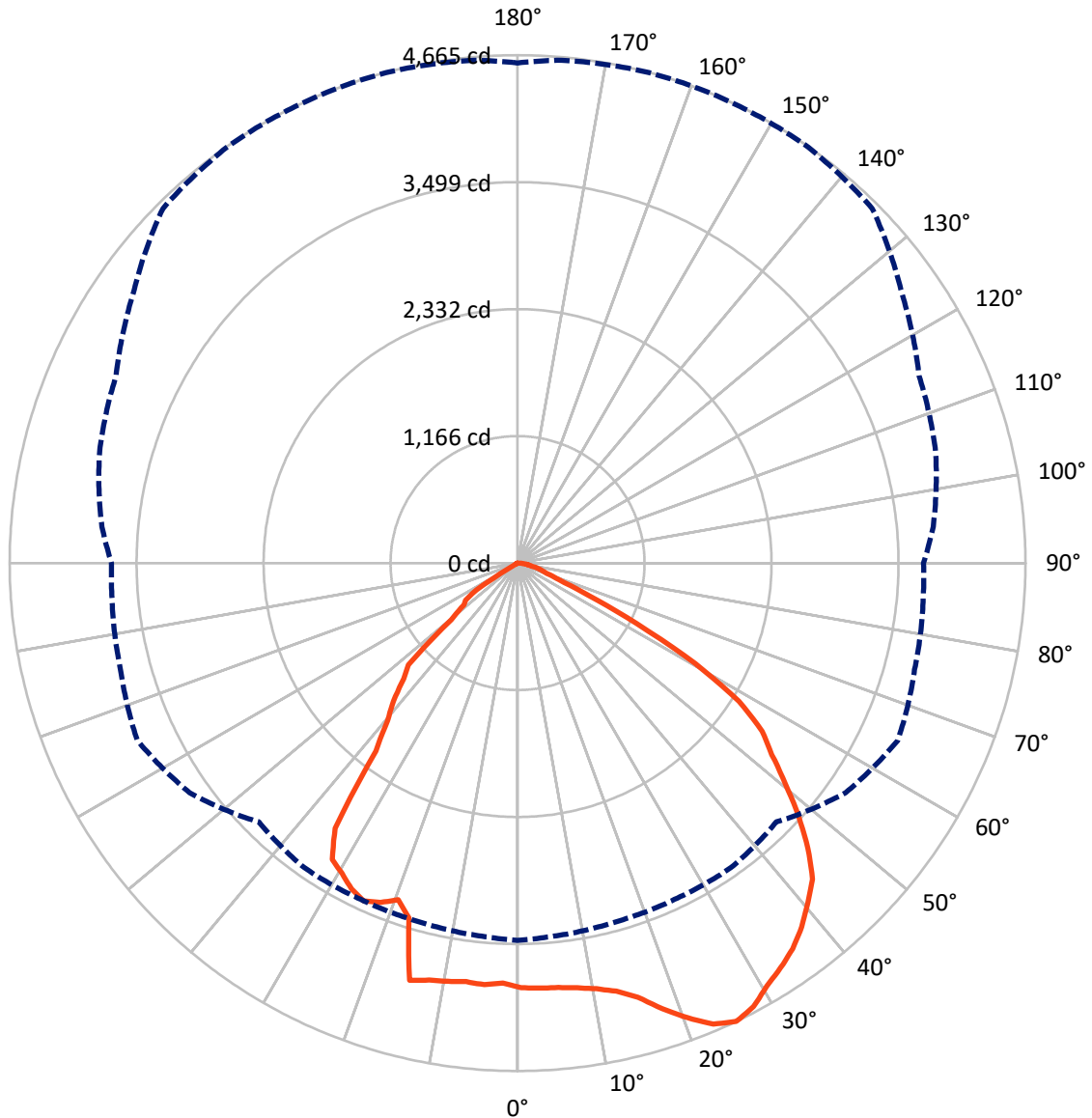
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.7 fc  
 Type I - Short - N/A

REPORT NUMBER: P636926  
CATALOG NUMBER: IFLD-M-SA4A-935-U-LAM-VI

### Luminous Intensity Polar Plot



— Vertical Plane Through 155-Deg Lateral      - - - Horizontal Cone Through 25-Deg Vertical

REPORT NUMBER: P636926

CATALOG NUMBER: IFLD-M-SA4A-935-U-LAM-VI

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5595.3	0.0	5595.3
	% Fixture	61.9	0.0	61.9
<b>Street Side</b>	Lumens	3442.5	0.0	3442.5
	% Fixture	38.1	0.0	38.1
<b>Total</b>	Lumens	9037.8	0.0	9037.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	374.1	4.1
10°-20°	1142.4	12.6
20°-30°	1806.0	20.0
30°-40°	2040.0	22.6
40°-50°	1910.5	21.1
50°-60°	1317.2	14.6
60°-70°	353.9	3.9
70°-80°	73.7	0.8
80°-90°	20.0	0.2
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°	9037.8	100.0
0°-180°	9037.8	100.0



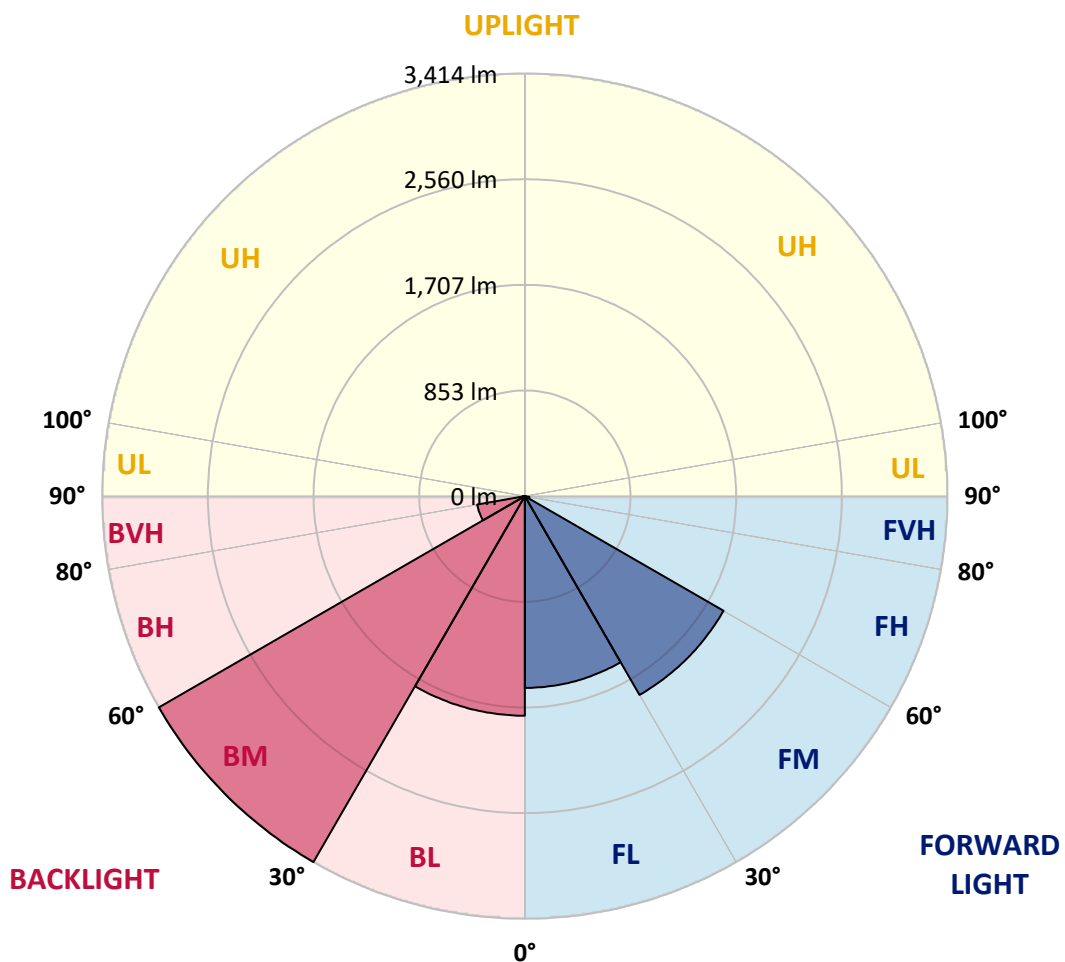
REPORT NUMBER: P636926  
 CATALOG NUMBER: IFLD-M-SA4A-935-U-LAM-VI

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1548.8	17.1			
FM (30°-60°)	1853.9	20.5			
FH (60°-80°)	37.2	0.4			G0/660
FVH (80°-90°)	2.7	0.0			G0/10
BL (0°-30°)	1773.7	19.6	B3/2500		
BM (30°-60°)	3413.9	37.8	B3/5000		
BH (60°-80°)	390.5	4.3	B1/500		G1/500
BVH (80°-90°)	17.3	0.2			G1/100
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: P636926  
 CATALOG NUMBER: IFLD-M-SA4A-935-U-LAM-VI

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3899.6	3899.6	3899.6	3899.6	3899.6	3899.6	3899.6	3899.6	3899.6	3899.6
2.5°	3916.9	3891.7	3867.8	3859.8	3893.0	3928.9	3906.3	3907.6	3899.6	3914.3
5°	3946.1	3911.6	3895.7	3883.7	3889.0	3926.2	3894.3	3906.3	3893.0	3910.3
7.5°	3935.5	3911.6	3895.7	3873.1	3890.3	3934.2	3903.6	3905.0	3898.3	3914.3
10°	3928.9	3911.6	3891.7	3894.3	3914.3	3951.4	3927.5	3940.8	3931.5	3940.8
12.5°	3944.8	3926.2	3915.6	3915.6	3932.8	3975.4	3963.4	3975.4	3971.4	3979.3
15°	3794.7	3812.0	3912.9	3958.1	3992.6	4035.1	4029.8	4041.8	4044.4	4056.4
17.5°	3201.0	3183.7	3175.8	3408.2	4025.8	4157.3	4153.3	4152.0	4138.7	4129.4
20°	3279.4	3272.7	3263.4	3280.7	3349.8	4221.1	4247.6	4084.3	4036.5	4032.5
22.5°	3404.2	3393.6	3359.1	3360.4	3381.6	3669.9	4116.1	3967.4	3951.4	3942.1
25°	3465.3	3444.1	3416.2	3408.2	3414.8	3361.7	3676.5	3853.2	3774.8	3738.9
27.5°	3357.7	3359.1	3336.5	3357.7	3332.5	3093.4	2959.3	3630.0	3627.4	3611.4
30°	3276.7	3272.7	3246.2	3272.7	3098.7	2831.8	2774.6	3385.6	3357.7	3336.5
32.5°	3028.3	3031.0	3108.0	3211.6	2926.1	2714.9	2542.2	3024.3	3288.7	3276.7
35°	2166.3	2171.6	2445.2	2956.6	2664.4	2482.4	2469.2	2613.9	3179.8	3185.1
37.5°	2085.3	2085.3	2078.7	2162.3	2458.5	2388.1	2414.7	2400.1	2912.8	2926.1
40°	2026.9	2014.9	2005.6	1874.1	1709.4	2321.7	2340.3	2273.9	2753.4	2756.0
42.5°	1956.5	1943.2	1945.8	1702.8	1530.1	2157.0	2105.2	2016.2	2487.7	2490.4
45°	1827.6	1850.2	1866.1	1490.3	1477.0	1540.7	1941.9	1886.1	2308.4	2357.6
47.5°	929.8	949.7	1457.1	1370.7	1401.3	1369.4	1640.3	1641.7	1920.6	2084.0
50°	843.4	838.1	839.4	799.6	1293.7	1107.7	1186.1	1504.9	1538.1	1771.8
52.5°	786.3	785.0	704.0	625.6	812.9	974.9	860.7	1089.1	1143.6	1500.9
55°	581.8	624.3	555.2	588.4	508.7	781.0	777.0	982.9	1001.5	1203.4
57.5°	5.3	6.6	15.9	447.6	352.0	390.5	536.6	670.7	704.0	937.7
60°	1.3	2.7	6.6	13.3	228.5	240.4	358.6	387.8	437.0	559.2
62.5°	0.0	0.0	2.7	6.6	12.0	98.3	114.2	124.9	192.6	285.6
65°	0.0	0.0	1.3	4.0	6.6	15.9	27.9	58.4	83.7	103.6
67.5°	0.0	0.0	1.3	2.7	5.3	8.0	15.9	22.6	35.9	61.1
70°	0.0	0.0	1.3	2.7	4.0	6.6	10.6	15.9	21.3	30.5
72.5°	0.0	0.0	1.3	2.7	2.7	8.0	8.0	12.0	15.9	19.9
75°	0.0	0.0	1.3	1.3	2.7	5.3	8.0	9.3	10.6	15.9
77.5°	0.0	0.0	1.3	2.7	4.0	5.3	6.6	10.6	9.3	9.3
80°	0.0	0.0	1.3	4.0	4.0	6.6	8.0	10.6	6.6	6.6
82.5°	0.0	0.0	1.3	5.3	4.0	13.3	13.3	14.6	5.3	5.3
85°	0.0	0.0	4.0	2.7	8.0	13.3	12.0	8.0	6.6	4.0
87.5°	0.0	0.0	1.3	1.3	2.7	4.0	9.3	8.0	2.7	2.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P636926

CATALOG NUMBER: IFLD-M-SA4A-935-U-LAM-VI

**CANDELA DISTRIBUTION (continued):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
3899.6	0°	3899.6	3899.6	3899.6	3899.6	3899.6	3899.6	3899.6	3899.6	3899.6
3875.7	2.5°	3928.9	3911.6	3947.5	3943.5	3926.2	3918.2	3908.9	3901.0	3842.5
3878.4	5°	3930.2	3903.6	3947.5	3939.5	3936.8	3923.6	3915.6	3927.5	3874.4
3889.0	7.5°	3930.2	3903.6	3951.4	3954.1	3950.1	3939.5	3938.2	3946.1	3902.3
3907.6	10°	3956.8	3946.1	3986.0	3990.0	3984.6	3982.0	3975.4	3970.0	3923.6
3971.4	12.5°	4012.5	3991.3	4036.5	4048.4	4044.4	4051.1	4035.1	4043.1	3995.3
4036.5	15°	4080.3	4081.6	4116.1	4142.7	4140.1	4161.3	4137.4	4158.6	4124.1
4110.8	17.5°	4183.9	4198.5	4247.6	4287.5	4302.1	4318.0	4302.1	4308.7	4259.6
4028.5	20°	4075.0	4129.4	4365.8	4438.9	4469.4	4484.1	4457.5	4465.5	4416.3
3927.5	22.5°	3976.7	4047.1	4256.9	4485.4	4579.7	4608.9	4599.6	4598.3	4579.7
3728.3	25°	3831.9	3974.0	4068.3	4310.1	4606.3	4659.4	4664.7	4663.4	4635.5
3606.1	27.5°	3653.9	3685.8	3930.2	4077.6	4420.3	4622.2	4614.2	4575.7	4538.5
3352.4	30°	3426.8	3571.6	3681.8	3916.9	4179.9	4508.0	4508.0	4478.7	4440.2
3262.1	32.5°	3311.2	3498.5	3600.8	3685.8	3910.3	4380.5	4433.6	4403.0	4372.5
3191.7	35°	3250.1	3278.0	3517.1	3594.2	3784.1	4134.7	4349.9	4319.4	4296.8
3004.4	37.5°	3116.0	3181.1	3292.6	3498.5	3557.0	3934.2	4238.3	4222.4	4195.8
2761.4	40°	2817.1	2991.1	3162.5	3357.7	3418.8	3676.5	4102.9	4109.5	4073.6
2502.4	42.5°	2640.5	2758.7	3027.0	3158.5	3323.2	3510.5	3971.4	3982.0	3956.8
2370.9	45°	2433.3	2564.8	2753.4	2992.5	3216.9	3282.0	3738.9	3850.5	3829.2
2109.2	47.5°	2243.4	2349.6	2580.7	2822.5	3070.8	3061.5	3472.0	3681.8	3652.6
1908.6	50°	1973.7	2159.7	2268.6	2490.4	2861.0	2886.2	3187.7	3483.9	3460.0
1621.8	52.5°	1664.3	1898.0	2106.6	2309.8	2648.5	2708.2	2923.4	3282.0	3266.1
1239.2	55°	1454.4	1624.4	1859.5	2022.9	2390.8	2550.2	2725.5	3089.4	3081.5
1018.7	57.5°	1034.7	1362.8	1556.7	1785.1	1979.0	2267.3	2397.4	2697.6	2623.2
564.5	60°	701.3	855.4	1091.8	1337.5	1467.7	1755.9	1876.8	2117.2	2097.3
337.4	62.5°	370.6	512.7	681.4	804.9	899.2	1179.5	1229.9	1488.9	1482.3
135.5	65°	163.4	216.5	369.2	433.0	530.0	660.1	704.0	796.9	774.4
66.4	67.5°	85.0	128.8	208.5	256.3	322.8	371.9	407.8	437.0	455.6
43.8	70°	51.8	94.3	128.8	178.0	221.8	261.7	289.6	329.4	353.3
22.6	72.5°	38.5	59.8	89.0	136.8	160.7	207.2	235.1	264.3	285.6
18.6	75°	21.3	39.8	71.7	107.6	128.8	168.7	193.9	213.8	220.5
10.6	77.5°	13.3	30.5	59.8	83.7	100.9	136.8	130.2	148.8	164.7
8.0	80°	9.3	22.6	46.5	69.1	70.4	87.7	103.6	119.5	130.2
5.3	82.5°	6.6	18.6	34.5	53.1	46.5	67.7	81.0	93.0	67.7
4.0	85°	5.3	13.3	17.3	31.9	26.6	47.8	41.2	39.8	26.6
2.7	87.5°	4.0	6.6	12.0	14.6	10.6	10.6	13.3	15.9	13.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
3899.6  
3802.7  
3829.2  
3851.8  
3885.0  
3952.8  
4067.0  
4217.1  
4381.8  
4519.9  
*4593.0*  
4509.3  
4425.6  
4347.3  
4264.9  
4169.3  
4065.7  
3954.1  
3831.9  
3673.8  
3464.0  
3276.7  
3090.8  
2615.3  
2098.6  
1483.6  
765.1  
455.6  
354.6  
289.6  
216.5  
167.4  
131.5  
49.1  
26.6  
13.3  
0.0

(END OF REPORT)