

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: P637096

Luminaire Tested: **IFLD-S-SA6B-735-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P637096  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6B-735-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (96) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32740.7 lumens  
Efficiency: N/A  
Efficacy: 133.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

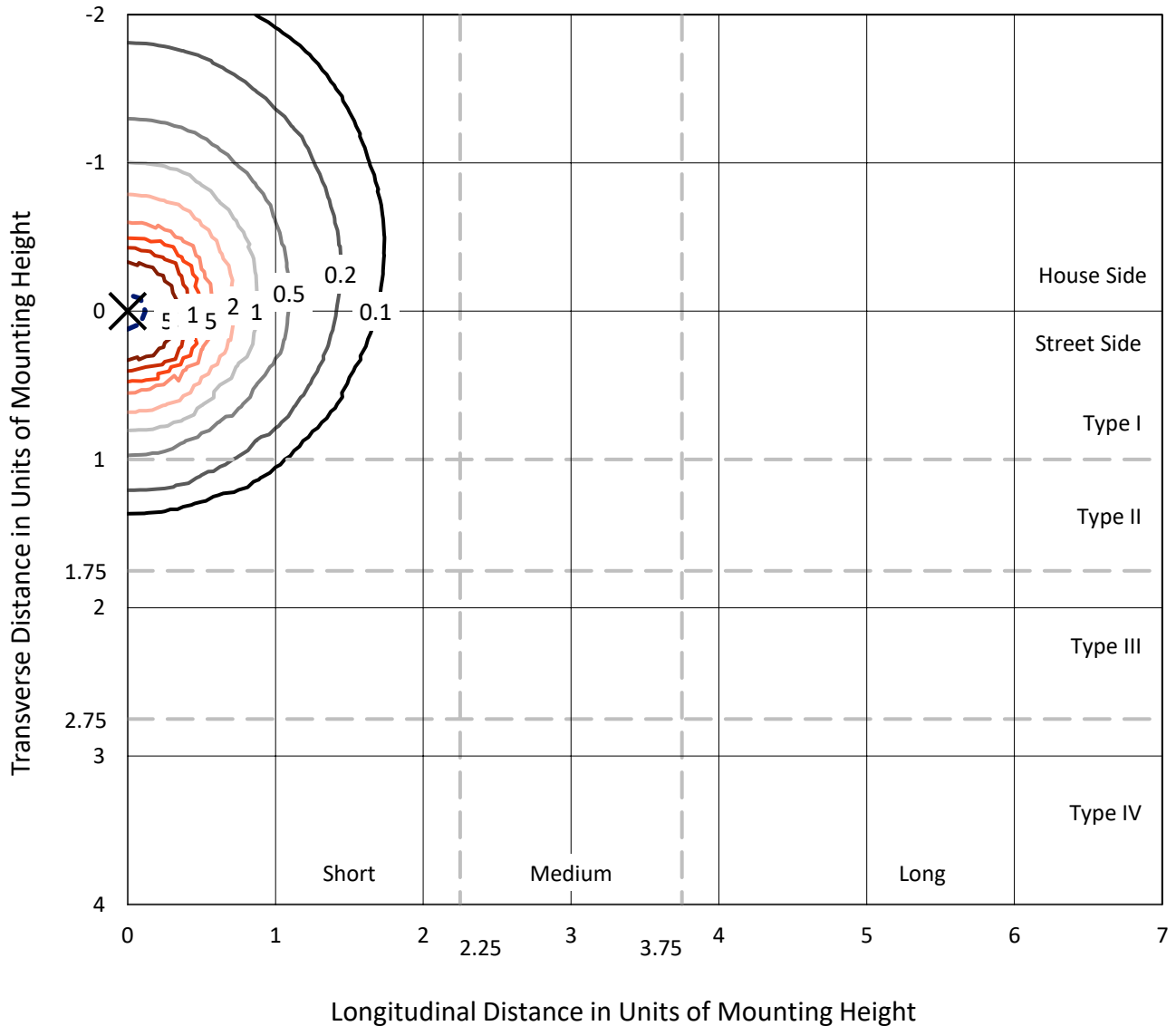
Input Watts (W): 244.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P637096  
 CATALOG NUMBER: IFLD-S-SA6B-735-U-33-VI

### Iso-Footcandle Lines of Horizontal Illumination

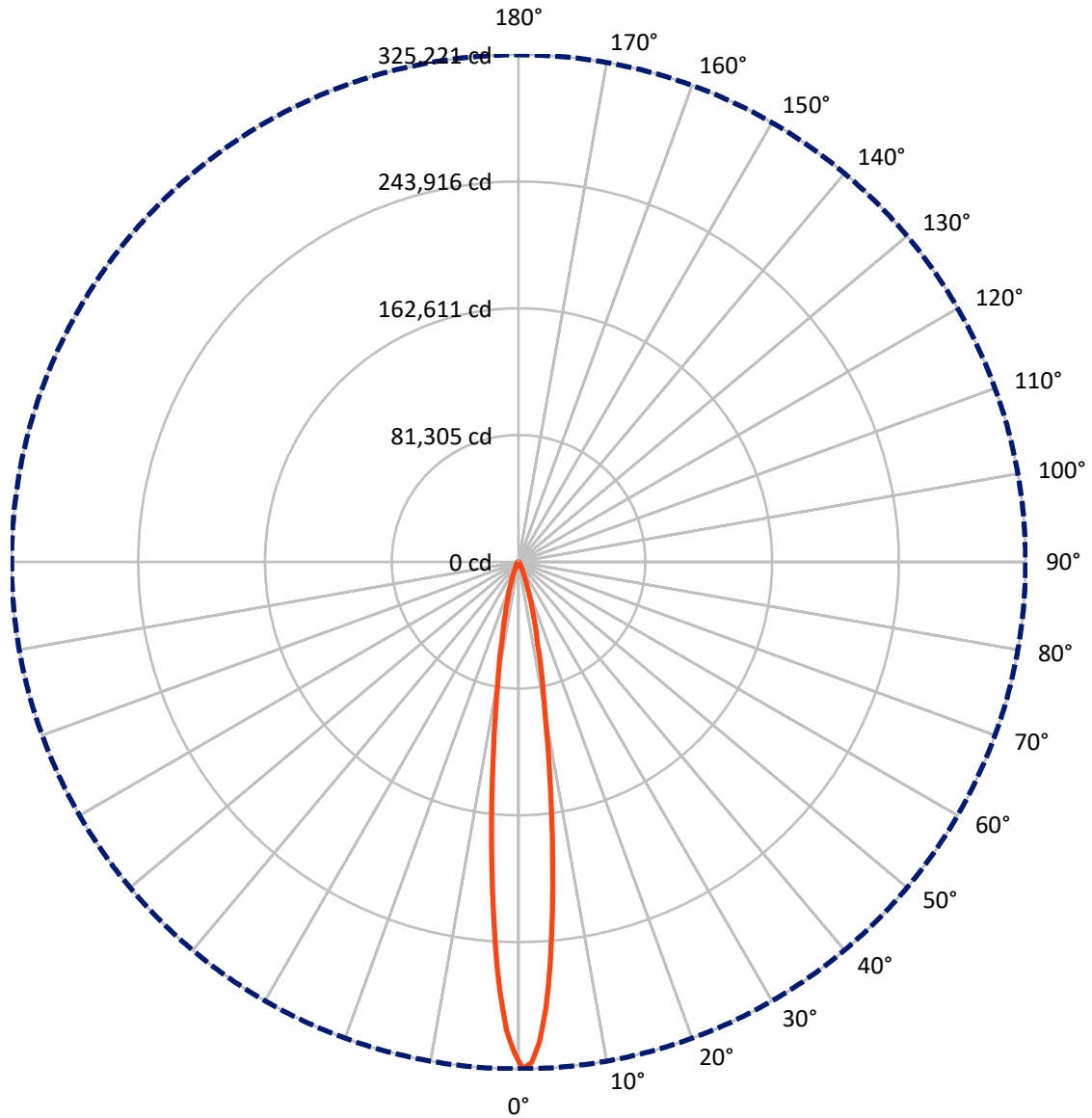
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 813.1 fc  
 Type V - Short - N/A

REPORT NUMBER: P637096  
CATALOG NUMBER: IFLD-S-SA6B-735-U-33-VI

### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 0-Deg Vertical

REPORT NUMBER: P637096  
 CATALOG NUMBER: IFLD-S-SA6B-735-U-33-VI

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	16769.2	0.0	16769.2
	% Fixture	51.2	0.0	51.2
<b>Street Side</b>	Lumens	15971.5	0.0	15971.5
	% Fixture	48.8	0.0	48.8
<b>Total</b>	Lumens	32740.7	0.0	32740.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16528.5	50.5
10°-20°	10581.5	32.3
20°-30°	3180.6	9.7
30°-40°	1035.6	3.2
40°-50°	602.5	1.8
50°-60°	400.2	1.2
60°-70°	240.9	0.7
70°-80°	123.8	0.4
80°-90°	47.0	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°	32740.7	100.0
0°-180°	32740.7	100.0



REPORT NUMBER: P637096

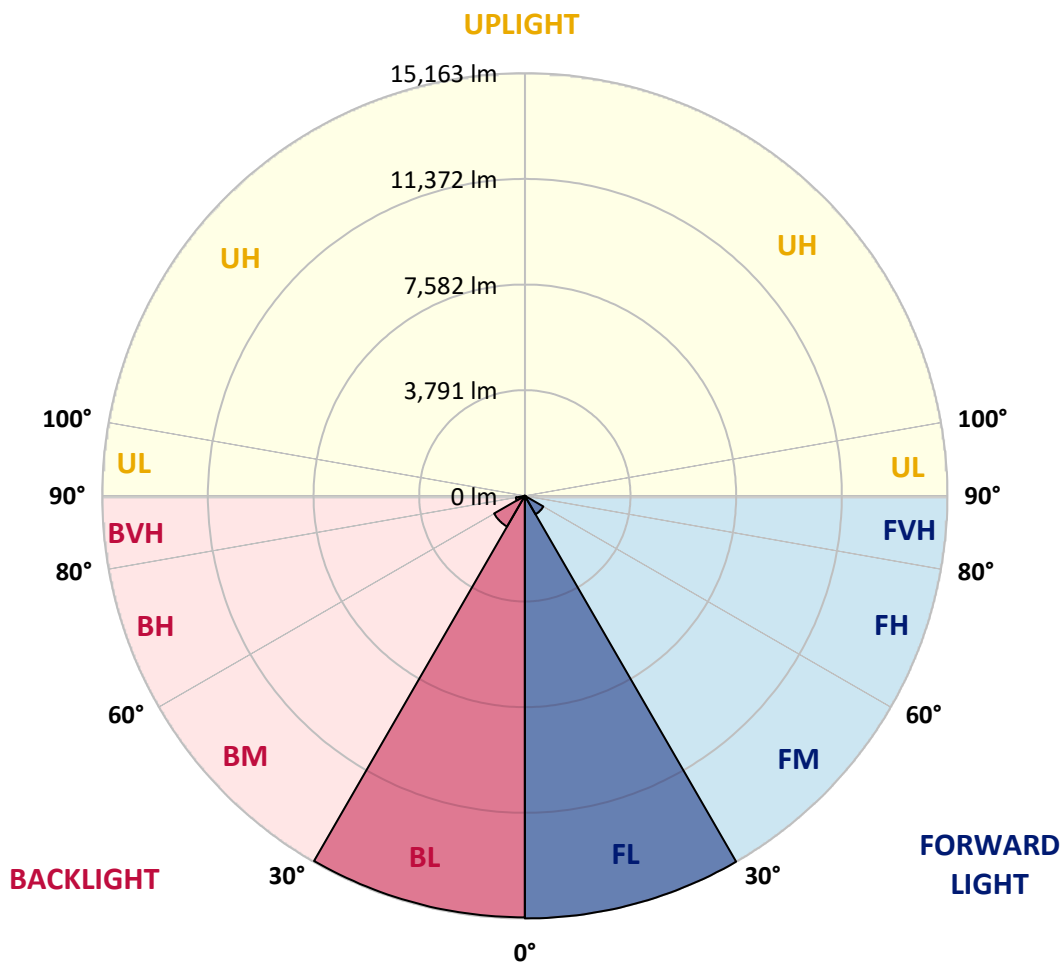
CATALOG NUMBER: IFLD-S-SA6B-735-U-33-VI

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	15163.2	46.3			
FM (30°-60°)	765.2	2.3			
FH (60°-80°)	36.0	0.1			G0/660
FVH (80°-90°)	7.1	0.0			G0/10
BL (0°-30°)	15127.3	46.2	B5		
BM (30°-60°)	1273.2	3.9	B2/2500		
BH (60°-80°)	328.7	1.0	B1/500		G0/660
BVH (80°-90°)	39.9	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 V Short





REPORT NUMBER: P637096  
 CATALOG NUMBER: IFLD-S-SA6B-735-U-33-VI

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	325221.3	325221.3	325221.3	325221.3	325221.3	325221.3	325221.3	325221.3	325221.3	325221.3
1°	321327.2	320346.6	317814.8	319615.6	321198.9	320738.9	320706.8	320535.6	320296.7	322172.4
2°	308482.6	307847.8	304103.5	305647.6	307897.8	306257.4	307284.4	306382.2	306400.0	308639.5
3°	286829.9	287175.8	281202.8	284009.2	287136.6	283160.5	284394.4	286712.2	284283.8	283552.8
4°	258687.2	255684.6	252421.7	255274.5	256084.0	253769.7	256044.8	258883.3	255509.9	255659.7
5°	226557.7	224339.6	220477.7	222239.3	220231.6	220962.6	224371.7	225541.4	223187.8	220224.5
6°	193522.4	191946.2	187117.9	189656.9	188943.7	188530.0	192834.1	189268.2	190551.9	188758.2
7°	160972.1	158026.6	155655.2	158087.2	158244.1	156999.6	162587.5	161938.5	159602.7	159060.7
8°	133367.8	130429.4	128421.8	130233.3	131417.2	129463.0	132091.2	133817.1	131991.3	132155.4
9°	107567.9	107050.8	104258.7	106626.5	107913.8	105820.6	108730.4	109354.5	107646.4	108477.2
10°	88322.3	87719.6	85490.9	86450.1	88582.6	86086.4	88878.6	89081.8	87719.6	88108.3
12.5°	54581.0	54338.5	54277.8	54416.9	54388.4	54830.6	55543.8	54730.7	54623.7	53279.4
15°	35278.3	35638.4	35267.6	35980.8	36084.2	36501.4	36066.4	35410.2	34158.6	33538.1
17.5°	22016.4	22476.4	23111.1	24156.0	25200.8	25322.1	24744.4	23974.1	23367.9	22704.6
20°	12666.4	12891.0	12794.8	14046.4	16749.4	17484.0	16738.7	15929.3	15198.2	14527.8
22.5°	7870.1	7788.1	7937.9	8358.7	9239.5	11511.0	10901.2	10091.7	9560.4	9007.7
25°	4824.8	4913.9	4856.9	5088.7	5484.5	6447.3	6586.4	6236.9	5965.9	5680.6
27.5°	3106.0	3106.0	3130.9	3259.3	3530.3	3498.2	4240.0	3968.9	3822.7	3683.7
30°	2157.4	2164.6	2164.6	2239.4	2300.1	2193.1	2385.6	2735.1	2667.4	2560.4
32.5°	1601.1	1622.5	1640.4	1679.6	1629.7	1515.5	1561.9	1968.4	1929.2	1890.0
35°	1219.6	1237.4	1280.2	1301.6	1230.3	1158.9	1116.2	1447.8	1465.6	1454.9
37.5°	887.9	898.6	977.1	1059.1	977.1	912.9	887.9	1112.6	1198.2	1187.5
40°	681.1	684.7	698.9	791.6	791.6	741.7	748.9	830.9	980.6	980.6
42.5°	584.8	584.8	599.1	584.8	588.4	641.9	659.7	670.4	830.9	830.9
45°	506.4	506.4	513.5	477.8	442.2	552.7	567.0	570.6	698.9	716.8
47.5°	424.4	424.4	438.6	392.3	374.4	438.6	477.8	488.5	602.7	616.9
50°	313.8	317.4	360.2	320.9	331.6	338.8	413.7	420.8	509.9	542.0
52.5°	210.4	210.4	217.5	249.6	288.8	278.1	335.2	360.2	406.5	449.3
55°	171.2	171.2	167.6	160.5	214.0	231.8	246.1	299.5	331.6	385.1
57.5°	117.7	124.8	114.1	131.9	139.1	174.7	185.4	235.4	253.2	324.5
60°	14.3	17.8	25.0	96.3	92.7	117.7	139.1	185.4	206.8	249.6
62.5°	3.6	3.6	7.1	17.8	64.2	78.5	110.5	128.4	149.8	192.6
65°	0.0	0.0	3.6	7.1	14.3	42.8	57.1	74.9	107.0	135.5
67.5°	0.0	0.0	3.6	7.1	7.1	17.8	28.5	46.4	57.1	99.8
70°	0.0	0.0	3.6	7.1	7.1	14.3	17.8	21.4	39.2	53.5
72.5°	0.0	0.0	3.6	7.1	10.7	14.3	17.8	17.8	17.8	35.7
75°	0.0	0.0	3.6	7.1	10.7	14.3	17.8	17.8	14.3	14.3
77.5°	0.0	0.0	3.6	7.1	14.3	17.8	21.4	17.8	10.7	10.7
80°	0.0	0.0	3.6	10.7	17.8	25.0	28.5	21.4	10.7	7.1
82.5°	0.0	0.0	7.1	14.3	21.4	28.5	39.2	32.1	14.3	7.1
85°	0.0	0.0	3.6	10.7	21.4	28.5	57.1	39.2	17.8	3.6
87.5°	0.0	0.0	0.0	3.6	3.6	7.1	21.4	14.3	7.1	3.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P637096

CATALOG NUMBER: IFLD-S-SA6B-735-U-33-VI

**CANDELA DISTRIBUTION (continued):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
325221.3	0°	325221.3	325221.3	325221.3	325221.3	325221.3	325221.3	325221.3	325221.3	325221.3
320007.8	1°	322243.7	322468.4	321733.8	322871.3	322471.9	320132.6	319358.8	318442.4	317123.0
307323.6	2°	306382.2	307526.9	307583.9	308846.3	308828.5	306100.5	305255.4	306813.7	303771.9
285036.2	3°	284173.3	285506.9	284305.2	286548.2	285874.2	282565.0	281705.6	283474.3	281263.4
256843.6	4°	256076.9	255823.7	255410.0	254133.4	255706.0	253448.7	251747.8	254147.7	249419.2
224154.2	5°	223704.9	223141.4	222335.5	221957.5	223127.2	221683.0	218184.7	221690.1	213256.5
192003.3	6°	192238.6	189813.8	189696.1	189485.7	189603.4	185559.5	185802.0	188412.3	181394.5
157195.7	7°	158857.5	159303.2	158393.9	159852.4	158739.8	156001.1	154945.6	157694.9	152734.7
132875.7	8°	131948.5	131385.1	130689.7	132868.6	130939.4	129142.1	127911.8	130083.5	126399.9
108612.7	9°	108409.5	107436.0	106729.9	106619.4	106918.9	103545.5	104230.1	105874.1	103656.0
88322.3	10°	88354.4	86756.8	87145.5	87248.9	86920.9	84709.9	84731.3	85298.3	82631.0
54170.9	12.5°	53978.3	53193.8	53389.9	53496.9	54163.7	53386.3	52288.0	51496.4	51097.0
34155.0	15°	33926.8	33363.3	34515.2	35289.0	35132.1	34440.3	33923.2	33206.4	32628.8
22704.6	17.5°	22494.2	23232.4	23236.0	23942.0	24013.3	23321.5	22922.1	22276.7	22305.2
14766.7	20°	14713.2	15019.9	15658.2	16157.5	16446.3	15918.6	15440.7	14998.5	14813.1
9207.4	22.5°	9207.4	9742.3	10141.7	10790.7	11054.6	10669.4	10330.7	9970.5	9749.4
5748.4	25°	5652.1	6033.6	6365.3	6928.7	7288.9	7103.4	6793.2	6540.0	6422.3
3712.2	27.5°	3769.2	3929.7	4093.7	4482.4	4856.9	4753.5	4628.6	4475.3	4421.8
2617.4	30°	2656.7	2670.9	2845.7	3063.2	3312.8	3377.0	3319.9	3241.5	3180.9
1922.1	32.5°	1957.7	2014.8	2096.8	2232.3	2399.9	2553.2	2524.7	2489.1	2460.5
1469.2	35°	1512.0	1597.6	1665.3	1768.7	1857.9	2004.1	2029.0	2018.3	1997.0
1208.9	37.5°	1233.8	1308.7	1376.5	1437.1	1512.0	1611.8	1690.3	1693.8	1672.4
998.5	40°	1023.4	1091.2	1180.3	1226.7	1280.2	1355.1	1451.4	1458.5	1451.4
845.1	42.5°	863.0	927.2	1016.3	1073.4	1112.6	1183.9	1280.2	1294.5	1280.2
723.9	45°	741.7	781.0	873.7	941.4	980.6	1027.0	1130.4	1144.7	1141.1
624.0	47.5°	645.4	684.7	741.7	838.0	873.7	916.5	998.5	1023.4	1023.4
552.7	50°	567.0	606.2	656.1	741.7	795.2	830.9	898.6	934.3	934.3
481.4	52.5°	502.8	542.0	595.5	663.3	723.9	756.0	820.2	866.5	866.5
392.3	55°	420.8	488.5	527.8	588.4	670.4	698.9	748.9	809.5	809.5
342.3	57.5°	367.3	424.4	481.4	531.3	613.3	649.0	698.9	756.0	763.1
271.0	60°	310.2	363.7	431.5	474.3	552.7	599.1	652.6	706.1	720.3
206.8	62.5°	246.1	317.4	363.7	424.4	499.2	559.9	602.7	656.1	677.5
160.5	65°	181.9	260.3	313.8	378.0	449.3	513.5	549.2	606.2	620.5
114.1	67.5°	131.9	203.3	267.4	328.1	395.8	460.0	495.7	545.6	556.3
71.3	70°	103.4	149.8	221.1	274.6	345.9	399.4	438.6	470.7	481.4
46.4	72.5°	60.6	114.1	178.3	238.9	303.1	338.8	367.3	395.8	403.0
21.4	75°	39.2	89.1	146.2	199.7	246.1	278.1	303.1	328.1	331.6
10.7	77.5°	25.0	64.2	117.7	167.6	189.0	228.2	249.6	263.9	256.8
7.1	80°	14.3	49.9	103.4	135.5	153.3	178.3	199.7	217.5	199.7
7.1	82.5°	10.7	42.8	85.6	114.1	114.1	142.6	153.3	153.3	146.2
3.6	85°	7.1	35.7	67.8	107.0	85.6	107.0	99.8	99.8	99.8
3.6	87.5°	7.1	25.0	32.1	46.4	39.2	46.4	46.4	53.5	53.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
325221.3  
314812.2  
300213.1  
275618.5  
245460.9  
212454.2  
180845.3  
150217.1  
123882.3  
100739.0  
81439.9  
51015.0  
32839.1  
22116.2  
14845.2  
9777.9  
6393.8  
4386.2  
3188.0  
2460.5  
1982.7  
1668.9  
1447.8  
1283.8  
1141.1  
1027.0  
937.9  
866.5  
813.0  
759.6  
720.3  
681.1  
616.9  
549.2  
481.4  
403.0  
328.1  
256.8  
196.1  
142.6  
96.3  
53.5  
0.0

(END OF REPORT)