

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: P637126

Luminaire Tested: **IFLD-S-SA6C-740-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P637126  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6C-740-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (96) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 41322.5 lumens  
Efficiency: N/A  
Efficacy: 128.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

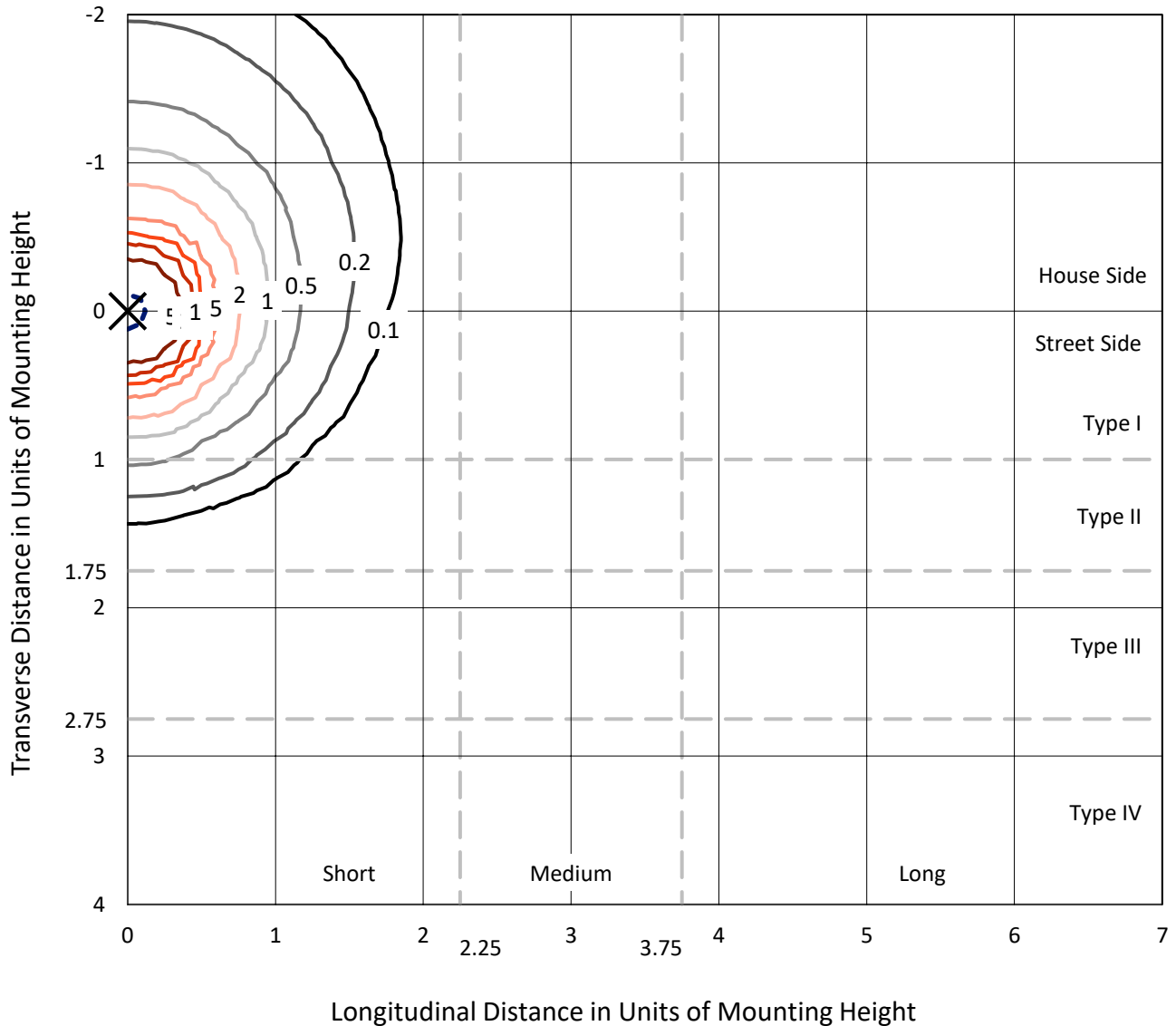
Input Watts (W): 321.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P637126  
 CATALOG NUMBER: IFLD-S-SA6C-740-U-33-VI

### Iso-Footcandle Lines of Horizontal Illumination

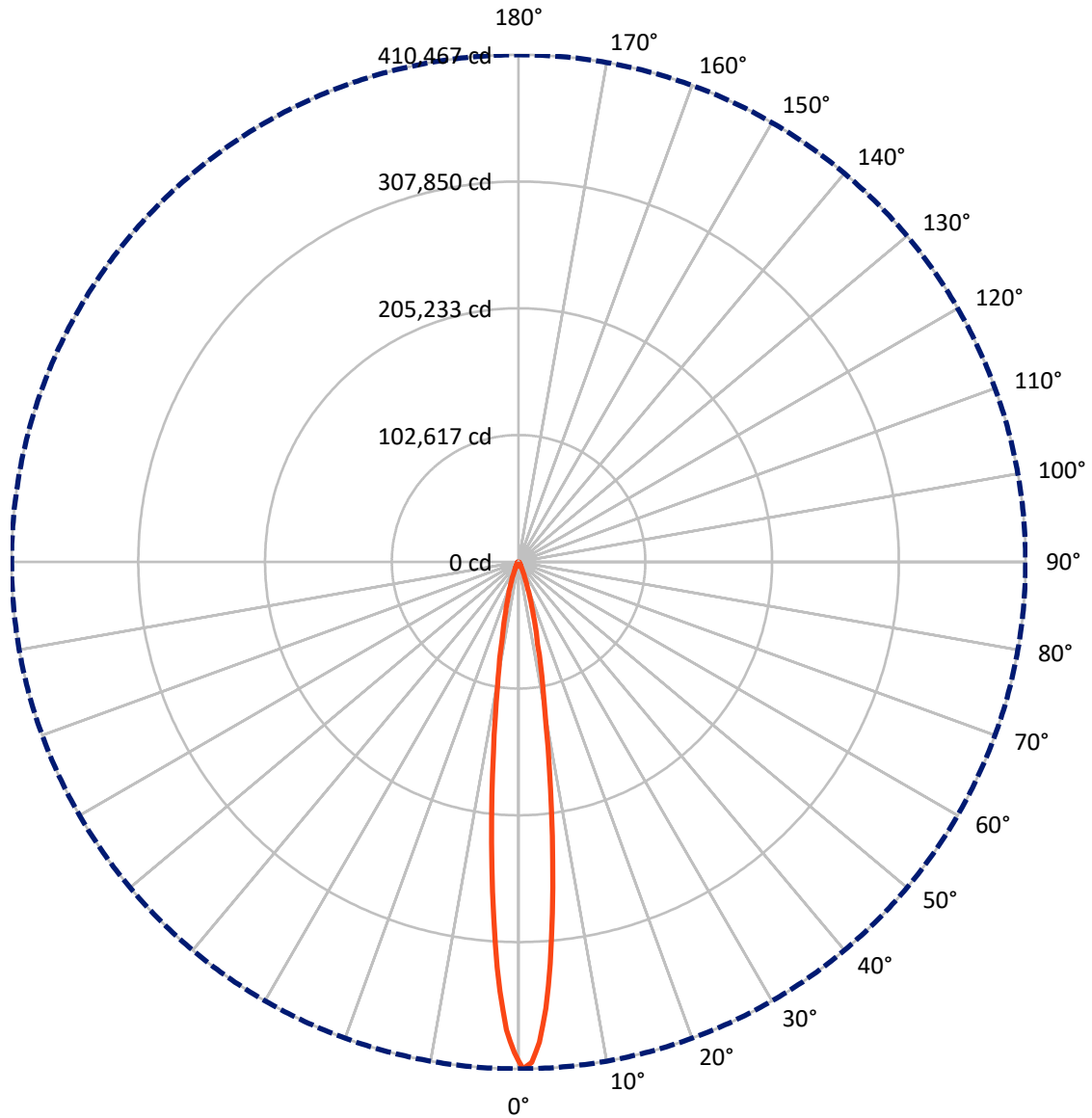
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1026.2 fc  
 Type V - Short - N/A

REPORT NUMBER: P637126  
CATALOG NUMBER: IFLD-S-SA6C-740-U-33-VI

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P637126  
 CATALOG NUMBER: IFLD-S-SA6C-740-U-33-VI

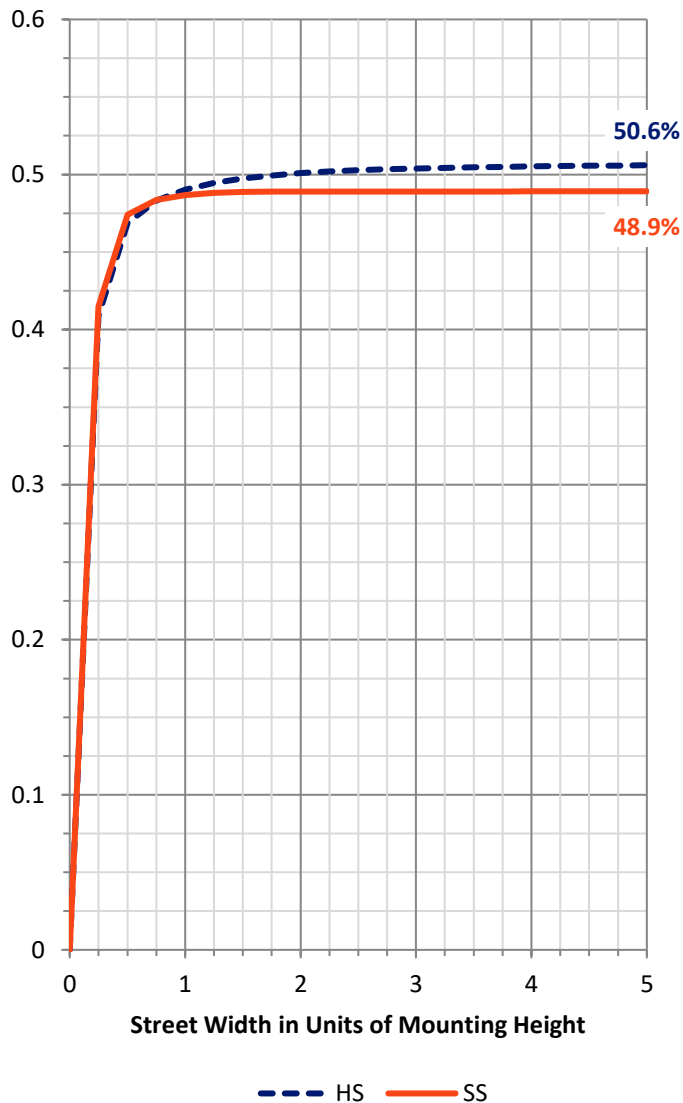
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	21164.6	0.0	21164.6
	% Fixture	51.2	0.0	51.2
<b>Street Side</b>	Lumens	20157.9	0.0	20157.9
	% Fixture	48.8	0.0	48.8
<b>Total</b>	Lumens	41322.5	0.0	41322.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20860.8	50.5
10°-20°	13355.0	32.3
20°-30°	4014.3	9.7
30°-40°	1307.1	3.2
40°-50°	760.5	1.8
50°-60°	505.1	1.2
60°-70°	304.0	0.7
70°-80°	156.3	0.4
80°-90°	59.4	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°	41322.5	100.0
0°-180°	41322.5	100.0

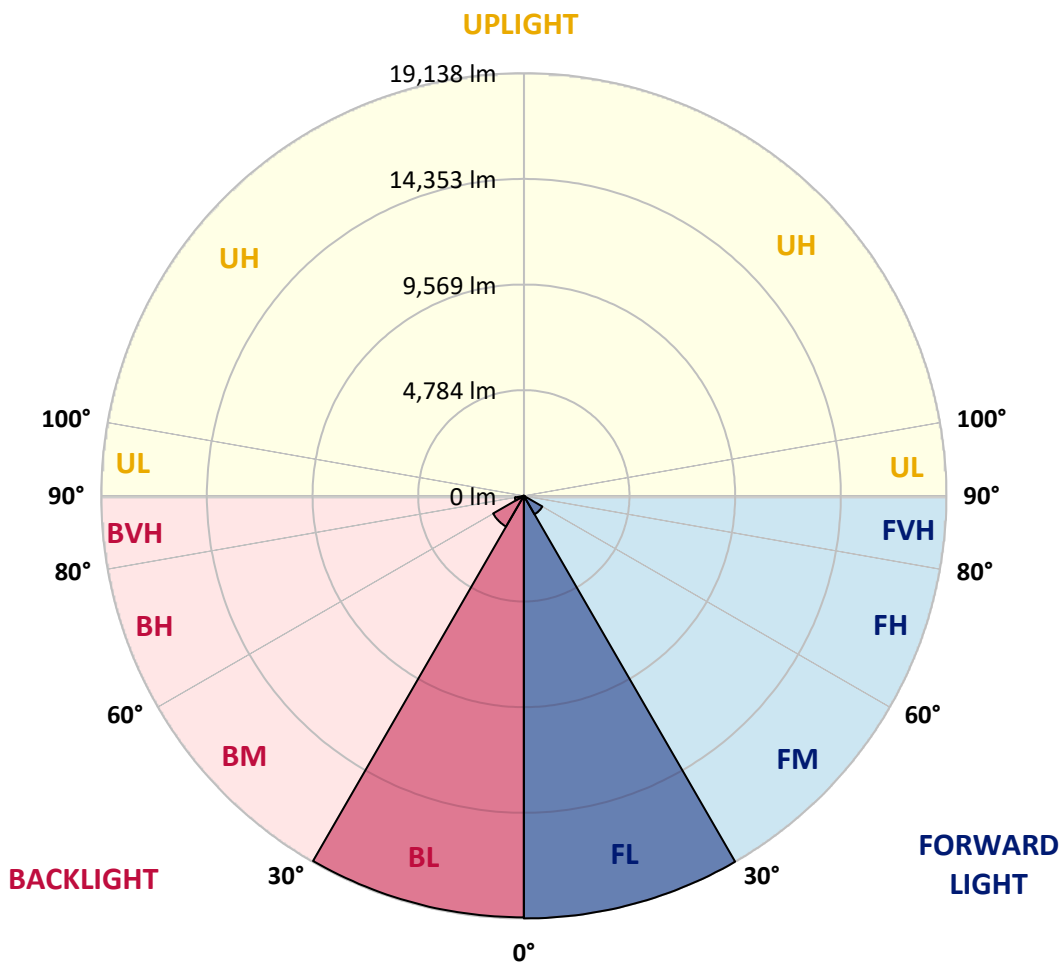


REPORT NUMBER: P637126  
 CATALOG NUMBER: IFLD-S-SA6C-740-U-33-VI

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	19137.7	46.3			
FM (30°-60°)	965.7	2.3			
FH (60°-80°)	45.4	0.1			G0/660
FVH (80°-90°)	9.0	0.0			G0/10
BL (0°-30°)	19092.4	46.2	B5		
BM (30°-60°)	1606.9	3.9	B2/2500		
BH (60°-80°)	414.9	1.0	B1/500		G0/660
BVH (80°-90°)	50.4	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: P637126  
 CATALOG NUMBER: IFLD-S-SA6C-740-U-33-VI

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	410466.7	410466.7	410466.7	410466.7	410466.7	410466.7	410466.7	410466.7	410466.7	410466.7
1°	405551.9	404314.2	401118.7	403391.6	405389.9	404809.3	404768.8	404552.8	404251.2	406618.6
2°	389340.5	388539.3	383813.6	385762.4	388602.3	386532.0	387828.2	386689.6	386712.1	389538.5
3°	362012.3	362448.9	354910.2	358452.3	362399.4	357381.1	358938.4	361863.8	358798.8	357876.2
4°	326492.9	322703.4	318585.2	322185.8	323207.4	320286.5	323157.9	326740.5	322482.8	322671.9
5°	285941.8	283142.4	278268.1	280491.5	277957.6	278880.2	283182.9	284659.1	281688.7	277948.6
6°	244247.5	242258.2	236164.3	239368.7	238468.6	237946.5	243378.9	238878.2	240498.4	238234.6
7°	203165.3	199447.7	196454.8	199524.2	199722.2	198151.5	205204.1	204385.0	201437.0	200752.9
8°	168325.5	164616.9	162083.0	164369.4	165863.6	163397.2	166714.2	168892.6	166588.2	166795.3
9°	135763.1	135110.5	131586.4	134574.9	136199.6	133557.7	137230.3	138017.9	135862.1	136910.7
10°	111472.9	110712.3	107899.3	109110.0	111801.4	108651.0	112175.0	112431.5	110712.3	111202.8
12.5°	68887.4	68581.4	68504.9	68680.4	68644.4	69202.5	70102.6	69076.5	68941.4	67244.7
15°	44525.2	44979.8	44511.7	45411.9	45542.4	46069.0	45519.9	44691.8	43112.0	42328.9
17.5°	27787.2	28367.8	29168.9	30487.6	31806.3	31959.3	31230.2	30258.1	29493.0	28655.8
20°	15986.4	16270.0	16148.4	17728.2	21139.7	22066.8	21126.2	20104.5	19181.9	18335.8
22.5°	9933.0	9829.5	10018.5	10549.6	11661.3	14528.2	13758.6	12736.9	12066.3	11368.7
25°	6089.4	6201.9	6129.9	6422.5	6922.0	8137.2	8312.8	7871.7	7529.6	7169.6
27.5°	3920.1	3920.1	3951.6	4113.6	4455.7	4415.2	5351.3	5009.3	4824.7	4649.2
30°	2722.9	2731.9	2731.9	2826.4	2902.9	2767.9	3011.0	3452.0	3366.5	3231.5
32.5°	2020.8	2047.8	2070.3	2119.8	2056.8	1912.8	1971.3	2484.4	2434.9	2385.4
35°	1539.2	1561.7	1615.7	1642.7	1552.7	1462.7	1408.7	1827.3	1849.8	1836.3
37.5°	1120.7	1134.2	1233.2	1336.7	1233.2	1152.2	1120.7	1404.2	1512.2	1498.7
40°	859.6	864.1	882.1	999.2	999.2	936.1	945.1	1048.7	1237.7	1237.7
42.5°	738.1	738.1	756.1	738.1	742.6	810.1	832.6	846.1	1048.7	1048.7
45°	639.1	639.1	648.1	603.1	558.1	697.6	715.6	720.1	882.1	904.6
47.5°	535.6	535.6	553.6	495.1	472.6	553.6	603.1	616.6	760.6	778.6
50°	396.1	400.6	454.6	405.1	418.6	427.6	522.1	531.1	643.6	684.1
52.5°	265.5	265.5	274.5	315.0	364.6	351.1	423.1	454.6	513.1	567.1
55°	216.0	216.0	211.5	202.5	270.0	292.5	310.5	378.1	418.6	486.1
57.5°	148.5	157.5	144.0	166.5	175.5	220.5	234.0	297.0	319.5	409.6
60°	18.0	22.5	31.5	121.5	117.0	148.5	175.5	234.0	261.0	315.0
62.5°	4.5	4.5	9.0	22.5	81.0	99.0	139.5	162.0	189.0	243.0
65°	0.0	0.0	4.5	9.0	18.0	54.0	72.0	94.5	135.0	171.0
67.5°	0.0	0.0	4.5	9.0	9.0	22.5	36.0	58.5	72.0	126.0
70°	0.0	0.0	4.5	9.0	9.0	18.0	22.5	27.0	49.5	67.5
72.5°	0.0	0.0	4.5	9.0	13.5	18.0	22.5	22.5	22.5	45.0
75°	0.0	0.0	4.5	9.0	13.5	18.0	22.5	22.5	18.0	18.0
77.5°	0.0	0.0	4.5	9.0	18.0	22.5	27.0	22.5	13.5	13.5
80°	0.0	0.0	4.5	13.5	22.5	31.5	36.0	27.0	13.5	9.0
82.5°	0.0	0.0	9.0	18.0	27.0	36.0	49.5	40.5	18.0	9.0
85°	0.0	0.0	4.5	13.5	27.0	36.0	72.0	49.5	22.5	4.5
87.5°	0.0	0.0	0.0	4.5	4.5	9.0	27.0	18.0	9.0	4.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P637126  
 CATALOG NUMBER: IFLD-S-SA6C-740-U-33-VI

**CANDELA DISTRIBUTION (continued):**

90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
410466.7	0°	410466.7	410466.7	410466.7	410466.7	410466.7	410466.7	410466.7	410466.7
403886.7	1°	406708.6	406992.1	406065.0	407500.7	406996.6	404044.2	403067.5	401910.9
387877.7	2°	386689.6	388134.3	388206.3	389799.5	389777.0	386334.0	385267.3	387234.1
359748.5	3°	358659.3	360342.6	358825.8	361656.8	360806.1	356629.5	355544.8	357777.2
324166.1	4°	323198.4	322878.9	322356.8	320745.6	322730.4	319881.4	317734.6	320763.6
282908.3	5°	282341.3	281630.1	280613.0	280135.9	281612.1	279789.4	275374.2	279798.4
242330.2	6°	242627.2	239566.8	239418.3	239152.7	239301.2	234197.5	234503.5	237798.0
198399.0	7°	200496.4	201058.9	199911.3	201752.1	200347.8	196891.3	195559.1	199029.1
167704.4	8°	166534.2	165823.1	164945.5	167695.4	165260.5	162992.2	161439.4	164180.4
137081.8	9°	136825.2	135596.5	134705.4	134565.9	134943.9	130686.3	131550.4	133625.2
111472.9	10°	111513.4	109497.1	109987.7	110118.2	109704.1	106913.7	106940.7	107656.3
68369.9	12.5°	68126.8	67136.7	67384.2	67519.2	68360.9	67379.7	65993.5	64994.3
43107.5	15°	42819.5	42108.4	43562.1	44538.7	44340.7	43467.6	42815.0	41910.3
28655.8	17.5°	28390.3	29321.9	29326.4	30217.6	30307.6	29434.5	28930.4	28115.8
18637.3	20°	18569.8	18956.9	19762.5	20392.6	20757.1	20091.0	19488.0	18929.9
11620.8	22.5°	11620.8	12295.9	12799.9	13619.1	13952.1	13466.0	13038.5	12583.9
7255.1	25°	7133.6	7615.2	8033.7	8744.8	9199.4	8965.4	8573.8	8254.3
4685.2	27.5°	4757.2	4959.8	5166.8	5657.4	6129.9	5999.4	5841.9	5648.4
3303.5	30°	3353.0	3371.0	3591.5	3866.1	4181.1	4262.1	4190.1	4091.1
2425.9	32.5°	2470.9	2542.9	2646.4	2817.4	3029.0	3222.5	3186.5	3141.5
1854.3	35°	1908.3	2016.3	2101.8	2232.3	2344.9	2529.4	2560.9	2547.4
1525.7	37.5°	1557.2	1651.8	1737.3	1813.8	1908.3	2034.3	2133.3	2137.8
1260.2	40°	1291.7	1377.2	1489.7	1548.2	1615.7	1710.3	1831.8	1840.8
1066.7	42.5°	1089.2	1170.2	1282.7	1354.7	1404.2	1494.2	1615.7	1633.7
913.6	45°	936.1	985.6	1102.7	1188.2	1237.7	1296.2	1426.7	1444.7
787.6	47.5°	814.6	864.1	936.1	1057.7	1102.7	1156.7	1260.2	1291.7
697.6	50°	715.6	765.1	828.1	936.1	1003.7	1048.7	1134.2	1179.2
607.6	52.5°	634.6	684.1	751.6	837.1	913.6	954.1	1035.2	1093.7
495.1	55°	531.1	616.6	666.1	742.6	846.1	882.1	945.1	1021.7
432.1	57.5°	463.6	535.6	607.6	670.6	774.1	819.1	882.1	954.1
342.1	60°	391.6	459.1	544.6	598.6	697.6	756.1	823.6	891.1
261.0	62.5°	310.5	400.6	459.1	535.6	630.1	706.6	760.6	828.1
202.5	65°	229.5	328.5	396.1	477.1	567.1	648.1	693.1	765.1
144.0	67.5°	166.5	256.5	337.6	414.1	499.6	580.6	625.6	688.6
90.0	70°	130.5	189.0	279.0	346.6	436.6	504.1	553.6	594.1
58.5	72.5°	76.5	144.0	225.0	301.5	382.6	427.6	463.6	499.6
27.0	75°	49.5	112.5	184.5	252.0	310.5	351.1	382.6	414.1
13.5	77.5°	31.5	81.0	148.5	211.5	238.5	288.0	315.0	333.1
9.0	80°	18.0	63.0	130.5	171.0	193.5	225.0	252.0	274.5
9.0	82.5°	13.5	54.0	108.0	144.0	144.0	180.0	193.5	193.5
4.5	85°	9.0	45.0	85.5	135.0	108.0	135.0	126.0	126.0
4.5	87.5°	9.0	31.5	40.5	58.5	49.5	58.5	58.5	67.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
410466.7  
397329.2  
378903.4  
347862.2  
309799.9  
268141.6  
228247.6  
189591.2  
156353.7  
127144.3  
102786.6  
64386.8  
41446.8  
27913.2  
18736.3  
12340.9  
8069.7  
5535.8  
4023.6  
3105.5  
2502.4  
2106.3  
1827.3  
1620.2  
1440.2  
1296.2  
1183.7  
1093.7  
1026.2  
958.6  
909.1  
859.6  
778.6  
693.1  
607.6  
508.6  
414.1  
324.0  
247.5  
180.0  
121.5  
67.5  
0.0

(END OF REPORT)