

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: P637008

Luminaire Tested: **IFLD-S-SA6A-722-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637008
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-722-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (96) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19771.1 lumens
Efficiency: N/A
Efficacy: 104.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

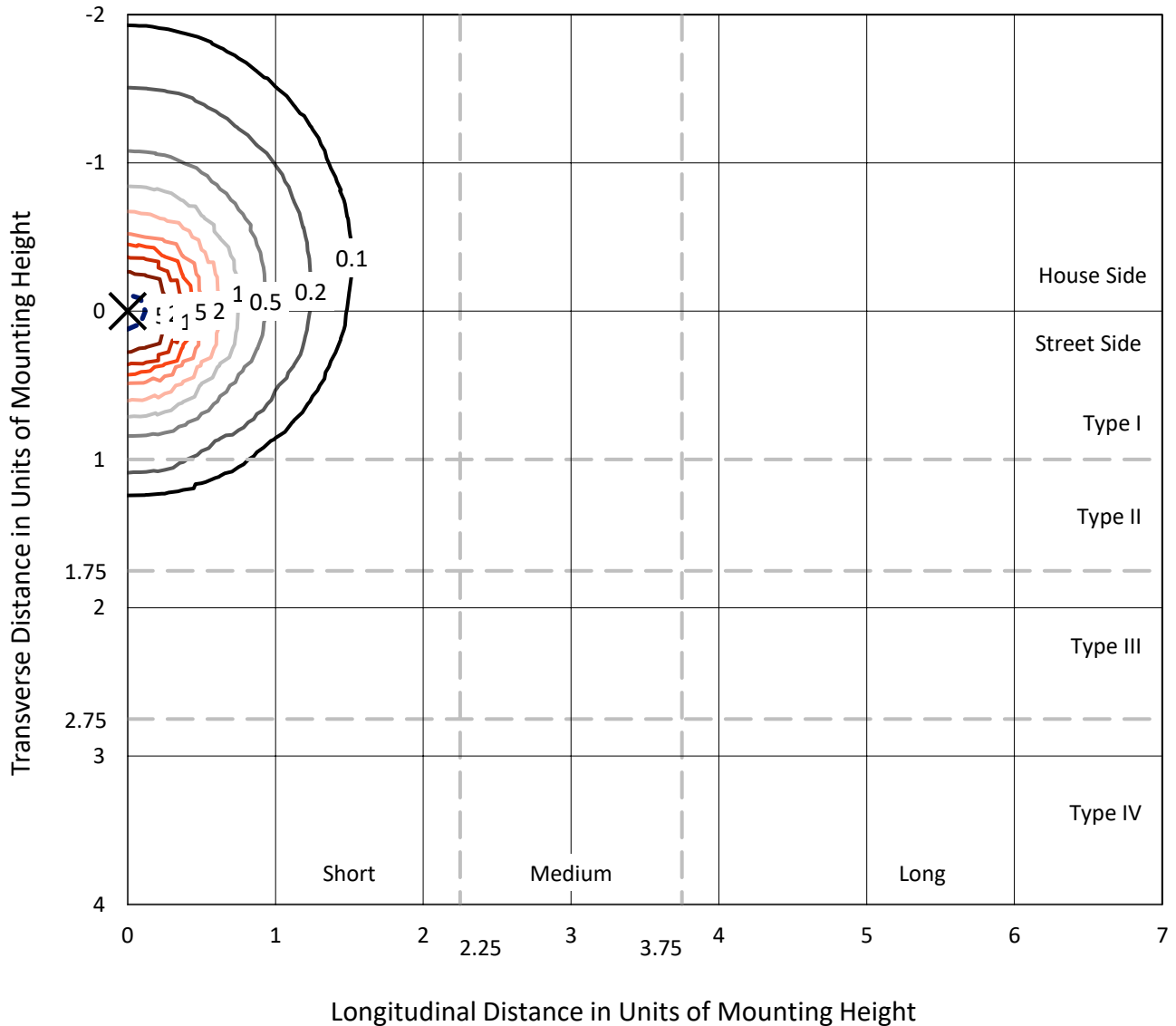
Input Watts (W): 189.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

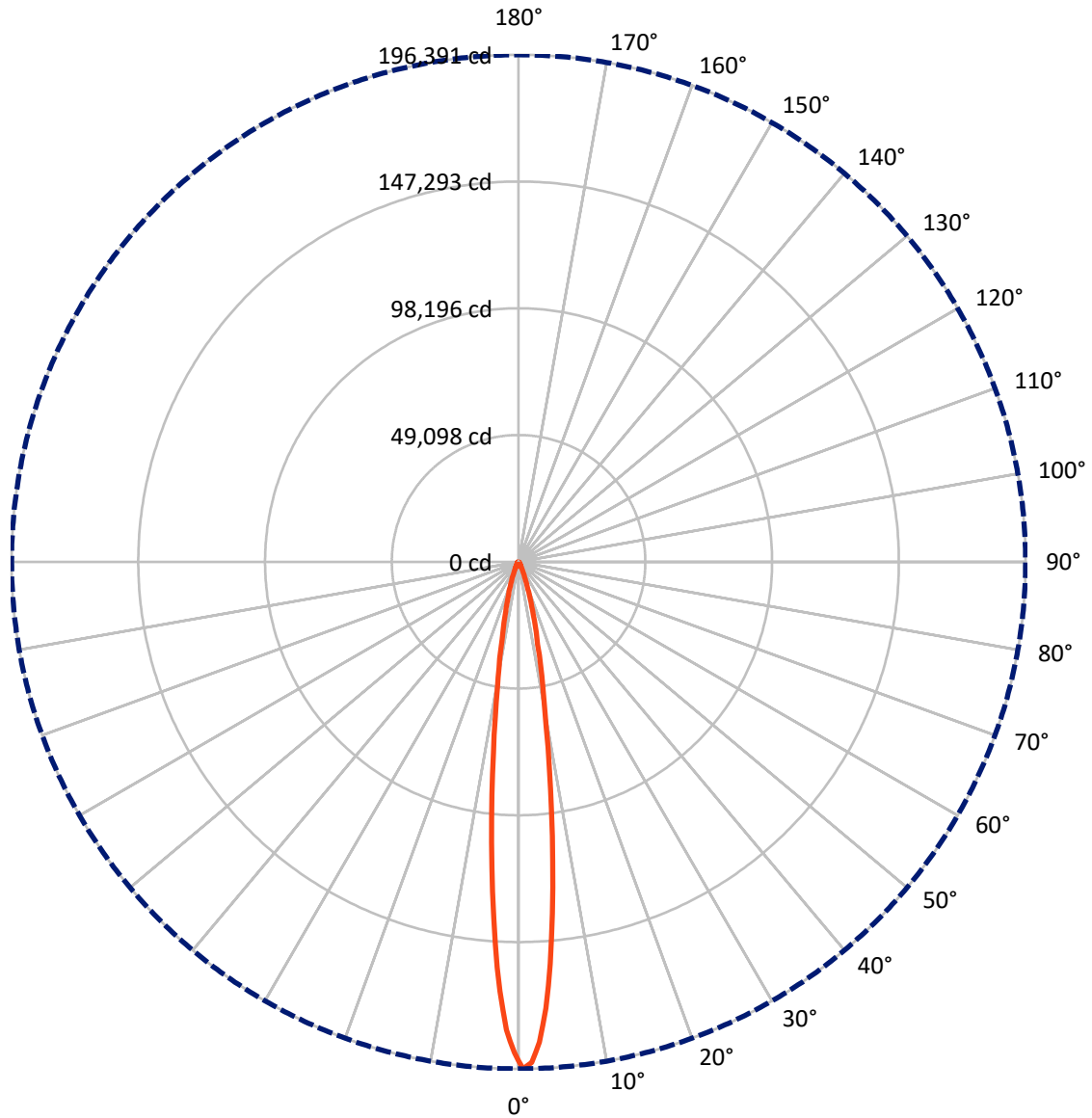
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 491 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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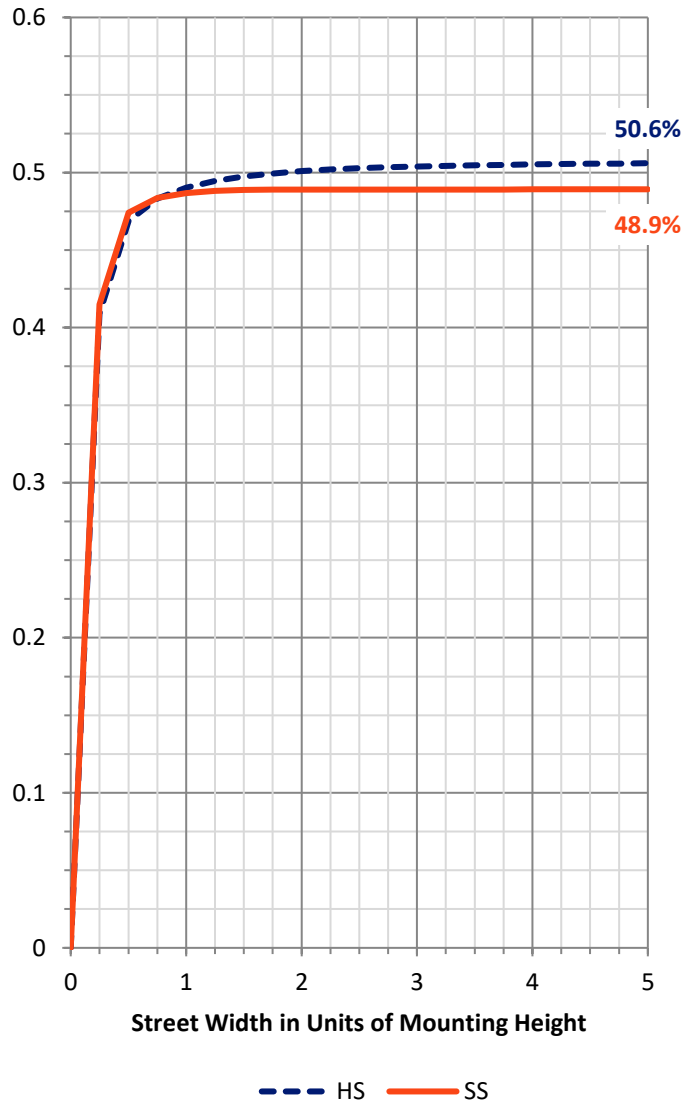
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10126.4	0.0	10126.4
	% Fixture	51.2	0.0	51.2
Street Side	Lumens	9644.7	0.0	9644.7
	% Fixture	48.8	0.0	48.8
Total	Lumens	19771.1	0.0	19771.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9981.0	50.5
10°-20°	6389.8	32.3
20°-30°	1920.6	9.7
30°-40°	625.4	3.2
40°-50°	363.9	1.8
50°-60°	241.7	1.2
60°-70°	145.5	0.7
70°-80°	74.8	0.4
80°-90°	28.4	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°	19771.1	100.0
0°-180°	19771.1	100.0

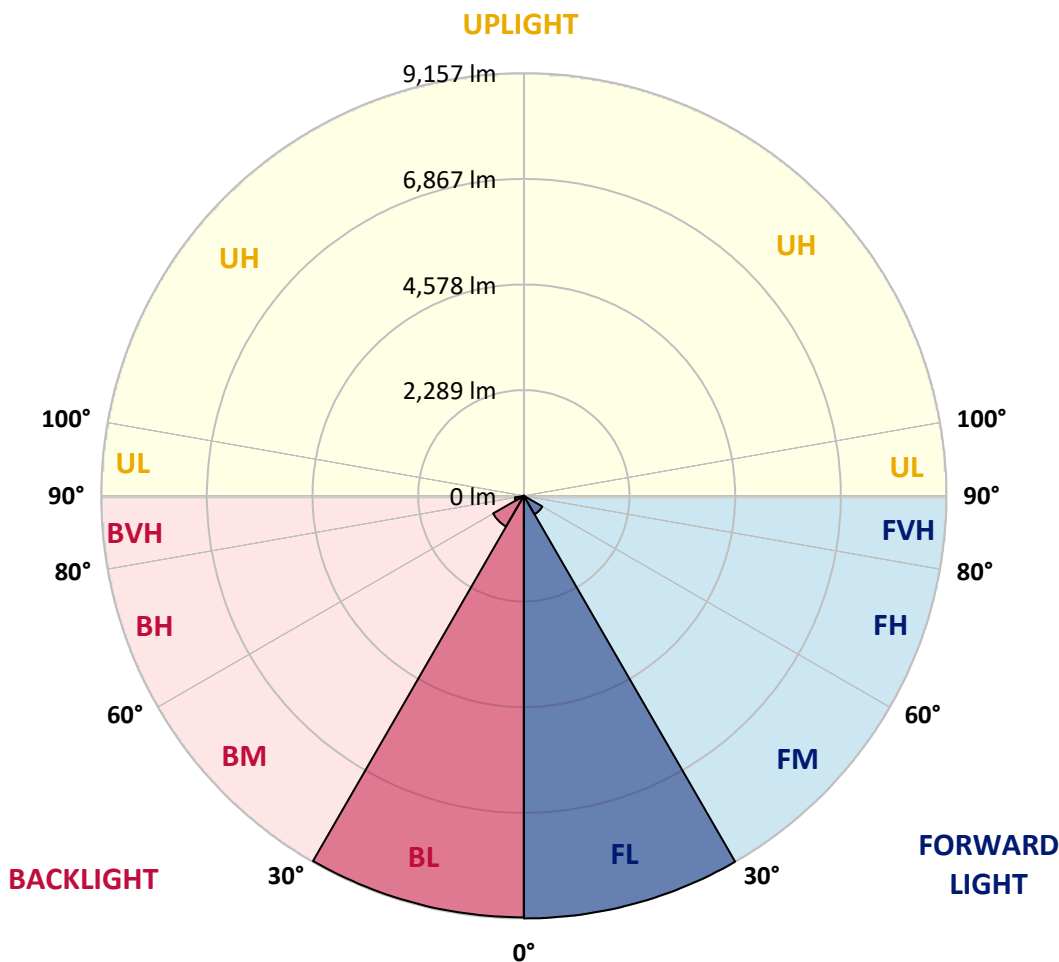


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9156.6	46.3			
FM (30°-60°)	462.1	2.3			
FH (60°-80°)	21.8	0.1			G0/660
FVH (80°-90°)	4.3	0.0			G0/10
BL (0°-30°)	9134.9	46.2	B5		
BM (30°-60°)	768.9	3.9	B1/1000		
BH (60°-80°)	198.5	1.0	B1/500		G0/660
BVH (80°-90°)	24.1	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	196391.0	196391.0	196391.0	196391.0	196391.0	196391.0	196391.0	196391.0	196391.0	196391.0
1°	194039.5	193447.3	191918.4	193005.8	193961.9	193684.2	193664.8	193561.4	193417.1	194549.8
2°	186283.0	185899.7	183638.6	184571.0	185929.8	184939.3	185559.4	185014.6	185025.4	186377.7
3°	173207.6	173416.5	169809.6	171504.3	173392.8	170991.8	171736.8	173136.5	171670.1	171228.6
4°	156213.1	154399.9	152429.6	154152.3	154641.1	153243.6	154617.4	156331.5	154294.4	154384.9
5°	136811.1	135471.7	133139.6	134203.3	132991.0	133432.4	135491.0	136197.4	134776.1	132986.7
6°	116862.1	115910.3	112994.6	114527.8	114097.2	113847.4	116446.5	114293.1	115068.3	113985.2
7°	97206.0	95427.3	93995.3	95463.9	95558.7	94807.1	98181.5	97789.6	96379.1	96051.8
8°	80536.6	78762.2	77549.9	78643.8	79358.7	78178.7	79765.7	80808.0	79705.4	79804.5
9°	64956.9	64644.6	62958.5	64388.4	65165.8	63901.7	65658.9	66035.7	65004.3	65506.0
10°	53335.1	52971.1	51625.3	52204.5	53492.3	51984.9	53671.0	53793.7	52971.1	53205.9
12.5°	32959.7	32813.3	32776.7	32860.7	32843.4	33110.5	33541.1	33050.2	32985.6	32173.7
15°	21303.4	21520.9	21297.0	21727.7	21790.1	22042.1	21779.3	21383.1	20627.3	20252.6
17.5°	13295.0	13572.8	13956.1	14587.0	15218.0	15291.2	14942.3	14477.2	14111.1	13710.6
20°	7648.8	7784.5	7726.3	8482.2	10114.5	10558.1	10108.0	9619.2	9177.7	8772.9
22.5°	4752.5	4703.0	4793.4	5047.5	5579.4	6951.1	6582.9	6094.1	5773.2	5439.5
25°	2913.5	2967.4	2932.9	3072.9	3311.9	3893.3	3977.3	3766.3	3602.6	3430.3
27.5°	1875.6	1875.6	1890.7	1968.2	2131.9	2112.5	2560.4	2396.7	2308.4	2224.4
30°	1302.8	1307.1	1307.1	1352.3	1388.9	1324.3	1440.6	1651.6	1610.7	1546.1
32.5°	966.9	979.8	990.6	1014.2	984.1	915.2	943.2	1188.7	1165.0	1141.3
35°	736.5	747.2	773.1	786.0	742.9	699.9	674.0	874.3	885.0	878.6
37.5°	536.2	542.7	590.0	639.6	590.0	551.3	536.2	671.9	723.5	717.1
40°	411.3	413.5	422.1	478.1	478.1	447.9	452.2	501.7	592.2	592.2
42.5°	353.2	353.2	361.8	353.2	355.3	387.6	398.4	404.8	501.7	501.7
45°	305.8	305.8	310.1	288.6	267.0	333.8	342.4	344.5	422.1	432.8
47.5°	256.3	256.3	264.9	236.9	226.1	264.9	288.6	295.0	363.9	372.5
50°	189.5	191.7	217.5	193.8	200.3	204.6	249.8	254.1	307.9	327.3
52.5°	127.0	127.0	131.4	150.7	174.4	168.0	202.4	217.5	245.5	271.3
55°	103.4	103.4	101.2	96.9	129.2	140.0	148.6	180.9	200.3	232.6
57.5°	71.1	75.4	68.9	79.7	84.0	105.5	112.0	142.1	152.9	196.0
60°	8.6	10.8	15.1	58.1	56.0	71.1	84.0	112.0	124.9	150.7
62.5°	2.2	2.2	4.3	10.8	38.8	47.4	66.8	77.5	90.4	116.3
65°	0.0	0.0	2.2	4.3	8.6	25.8	34.5	45.2	64.6	81.8
67.5°	0.0	0.0	2.2	4.3	4.3	10.8	17.2	28.0	34.5	60.3
70°	0.0	0.0	2.2	4.3	4.3	8.6	10.8	12.9	23.7	32.3
72.5°	0.0	0.0	2.2	4.3	6.5	8.6	10.8	10.8	10.8	21.5
75°	0.0	0.0	2.2	4.3	6.5	8.6	10.8	10.8	8.6	8.6
77.5°	0.0	0.0	2.2	4.3	8.6	10.8	12.9	10.8	6.5	6.5
80°	0.0	0.0	2.2	6.5	10.8	15.1	17.2	12.9	6.5	4.3
82.5°	0.0	0.0	4.3	8.6	12.9	17.2	23.7	19.4	8.6	4.3
85°	0.0	0.0	2.2	6.5	12.9	17.2	34.5	23.7	10.8	2.2
87.5°	0.0	0.0	0.0	2.2	2.2	4.3	12.9	8.6	4.3	2.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
196391.0	0°	196391.0	196391.0	196391.0	196391.0	196391.0	196391.0	196391.0	196391.0
193242.7	1°	194592.9	194728.5	194284.9	194971.9	194730.7	193318.1	192850.8	192297.4
185583.1	2°	185014.6	185705.9	185740.3	186502.6	186491.8	184844.5	184334.2	185275.2
172124.5	3°	171603.3	172408.7	171683.0	173037.5	172630.5	170632.2	170113.2	171181.3
155099.8	4°	154636.8	154483.9	154234.1	153463.2	154412.9	153049.8	152022.6	153471.8
135359.7	5°	135088.4	134748.1	134261.5	134033.2	134739.5	133867.4	131754.9	133871.7
115944.8	6°	116086.9	114622.6	114551.5	114424.5	114495.5	112053.6	112200.0	113776.3
94925.6	7°	95929.0	96198.2	95649.1	96529.8	95858.0	94204.2	93566.8	95227.0
80239.5	8°	79679.6	79339.4	78919.4	80235.2	79070.2	77984.9	77242.0	78553.4
65587.8	9°	65465.1	64877.2	64450.8	64384.1	64565.0	62527.9	62941.3	63934.0
53335.1	10°	53354.4	52389.7	52624.4	52686.9	52488.8	51153.7	51166.6	51509.0
32712.1	12.5°	32595.8	32122.1	32240.5	32305.1	32707.8	32238.3	31575.1	31097.0
20625.1	15°	20487.3	20147.1	20842.6	21309.9	21215.2	20797.4	20485.2	20052.3
13710.6	17.5°	13583.6	14029.3	14031.5	14457.8	14500.9	14083.1	13842.0	13452.2
8917.2	20°	8884.9	9070.1	9455.5	9757.0	9931.4	9612.7	9324.2	9057.1
5560.0	22.5°	5560.0	5883.1	6124.2	6516.1	6675.5	6442.9	6238.4	6020.9
3471.3	25°	3413.1	3643.5	3843.8	4184.0	4401.5	4289.5	4102.2	3949.3
2241.7	27.5°	2276.1	2373.0	2472.1	2706.8	2932.9	2870.5	2795.1	2702.5
1580.6	30°	1604.3	1612.9	1718.4	1849.8	2000.5	2039.3	2004.8	1957.4
1160.7	32.5°	1182.2	1216.7	1266.2	1348.0	1449.2	1541.8	1524.6	1503.1
887.2	35°	913.0	964.7	1005.6	1068.1	1121.9	1210.2	1225.3	1218.8
730.0	37.5°	745.1	790.3	831.2	867.8	913.0	973.3	1020.7	1022.9
602.9	40°	618.0	658.9	712.8	740.8	773.1	818.3	876.4	880.7
510.4	42.5°	521.1	559.9	613.7	648.2	671.9	714.9	773.1	781.7
437.1	45°	447.9	471.6	527.6	568.5	592.2	620.2	682.6	691.2
376.8	47.5°	389.8	413.5	447.9	506.0	527.6	553.4	602.9	618.0
333.8	50°	342.4	366.1	396.2	447.9	480.2	501.7	542.7	564.2
290.7	52.5°	303.6	327.3	359.6	400.5	437.1	456.5	495.3	523.3
236.9	55°	254.1	295.0	318.7	355.3	404.8	422.1	452.2	488.8
206.7	57.5°	221.8	256.3	290.7	320.9	370.4	391.9	422.1	456.5
163.7	60°	187.3	219.6	260.6	286.4	333.8	361.8	394.1	426.4
124.9	62.5°	148.6	191.7	219.6	256.3	301.5	338.1	363.9	396.2
96.9	65°	109.8	157.2	189.5	228.3	271.3	310.1	331.6	366.1
68.9	67.5°	79.7	122.7	161.5	198.1	239.0	277.8	299.3	329.5
43.1	70°	62.4	90.4	133.5	165.8	208.9	241.2	264.9	284.2
28.0	72.5°	36.6	68.9	107.7	144.3	183.0	204.6	221.8	239.0
12.9	75°	23.7	53.8	88.3	120.6	148.6	168.0	183.0	198.1
6.5	77.5°	15.1	38.8	71.1	101.2	114.1	137.8	150.7	159.4
4.3	80°	8.6	30.1	62.4	81.8	92.6	107.7	120.6	131.4
4.3	82.5°	6.5	25.8	51.7	68.9	68.9	86.1	92.6	92.6
2.2	85°	4.3	21.5	40.9	64.6	51.7	64.6	60.3	60.3
2.2	87.5°	4.3	15.1	19.4	28.0	23.7	28.0	28.0	32.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
196391.0
190105.2
181289.3
166437.4
148226.2
128294.4
109206.8
90711.4
74808.6
60833.2
49179.0
30806.3
19830.5
13355.3
8964.5
5904.6
3861.0
2648.7
1925.1
1485.8
1197.3
1007.8
874.3
775.2
689.1
620.2
566.3
523.3
491.0
458.7
435.0
411.3
372.5
331.6
290.7
243.3
198.1
155.0
118.4
86.1
58.1
32.3
0.0

(END OF REPORT)