

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: P637013

Luminaire Tested: **IFLD-M-SA4A-722-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637013
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-722-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (64) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13528 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

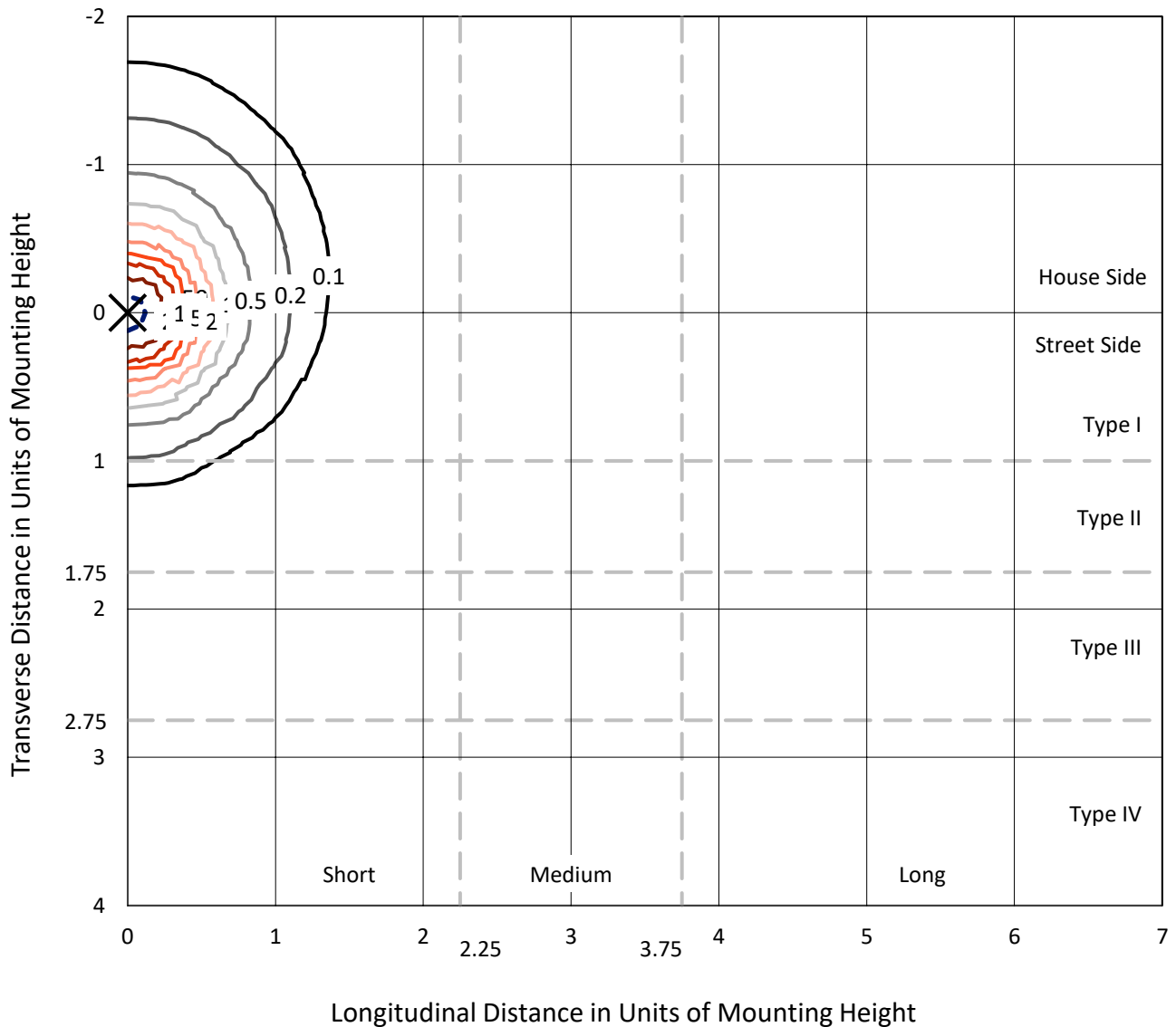
Input Watts (W): 128.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

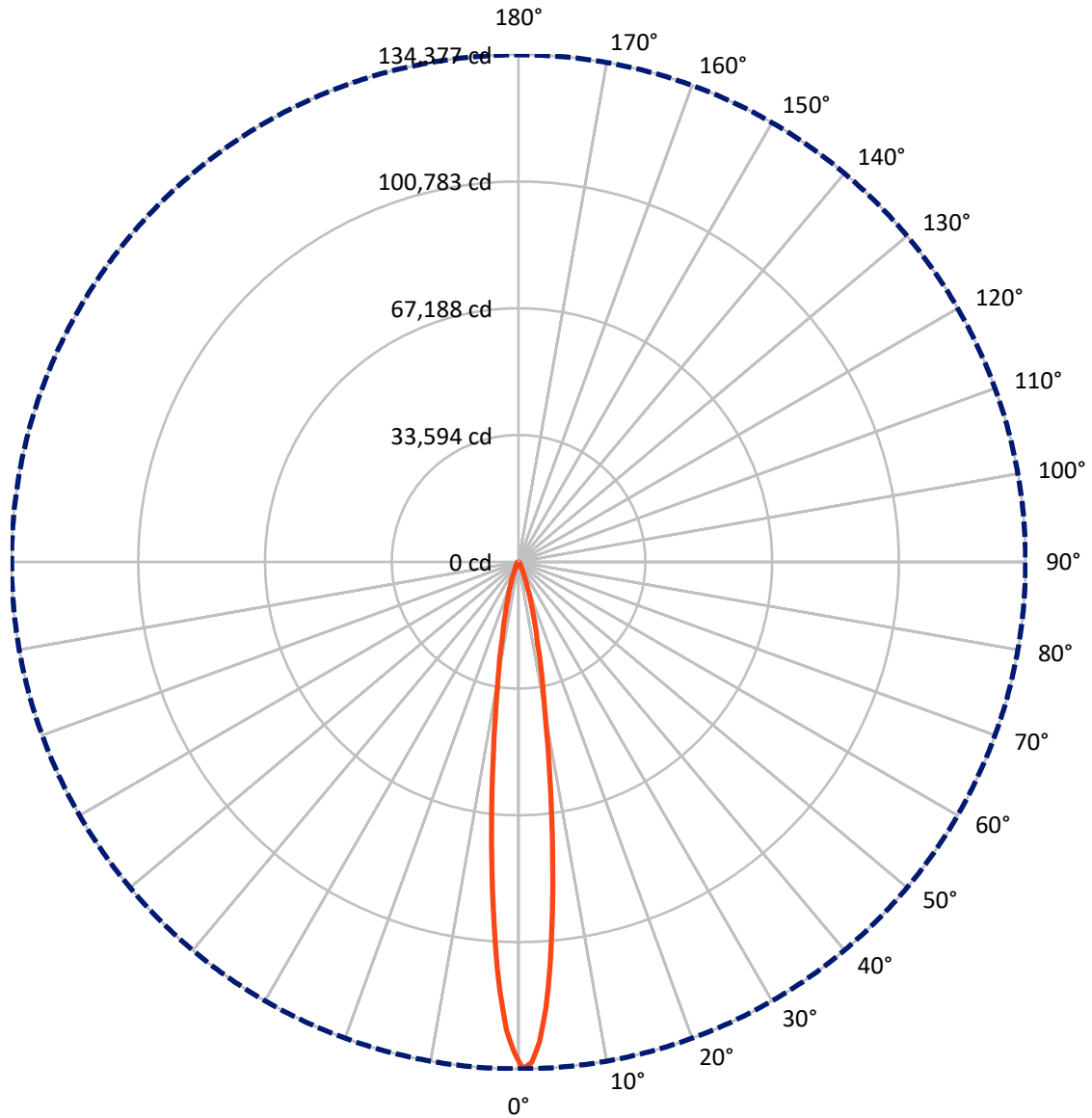
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 335.9 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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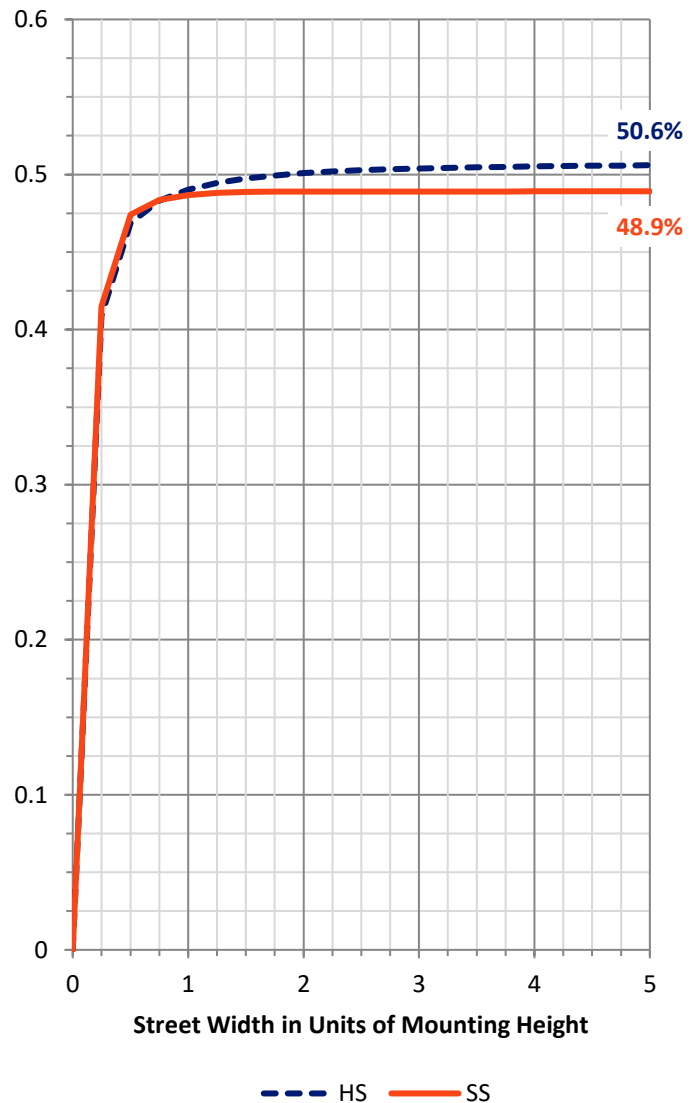
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6928.8	0.0	6928.8
	% Fixture	51.2	0.0	51.2
Street Side	Lumens	6599.2	0.0	6599.2
	% Fixture	48.8	0.0	48.8
Total	Lumens	13528.0	0.0	13528.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6829.3	50.5
10°-20°	4372.1	32.3
20°-30°	1314.2	9.7
30°-40°	427.9	3.2
40°-50°	249.0	1.8
50°-60°	165.4	1.2
60°-70°	99.5	0.7
70°-80°	51.2	0.4
80°-90°	19.4	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°	13528.0	100.0
0°-180°	13528.0	100.0

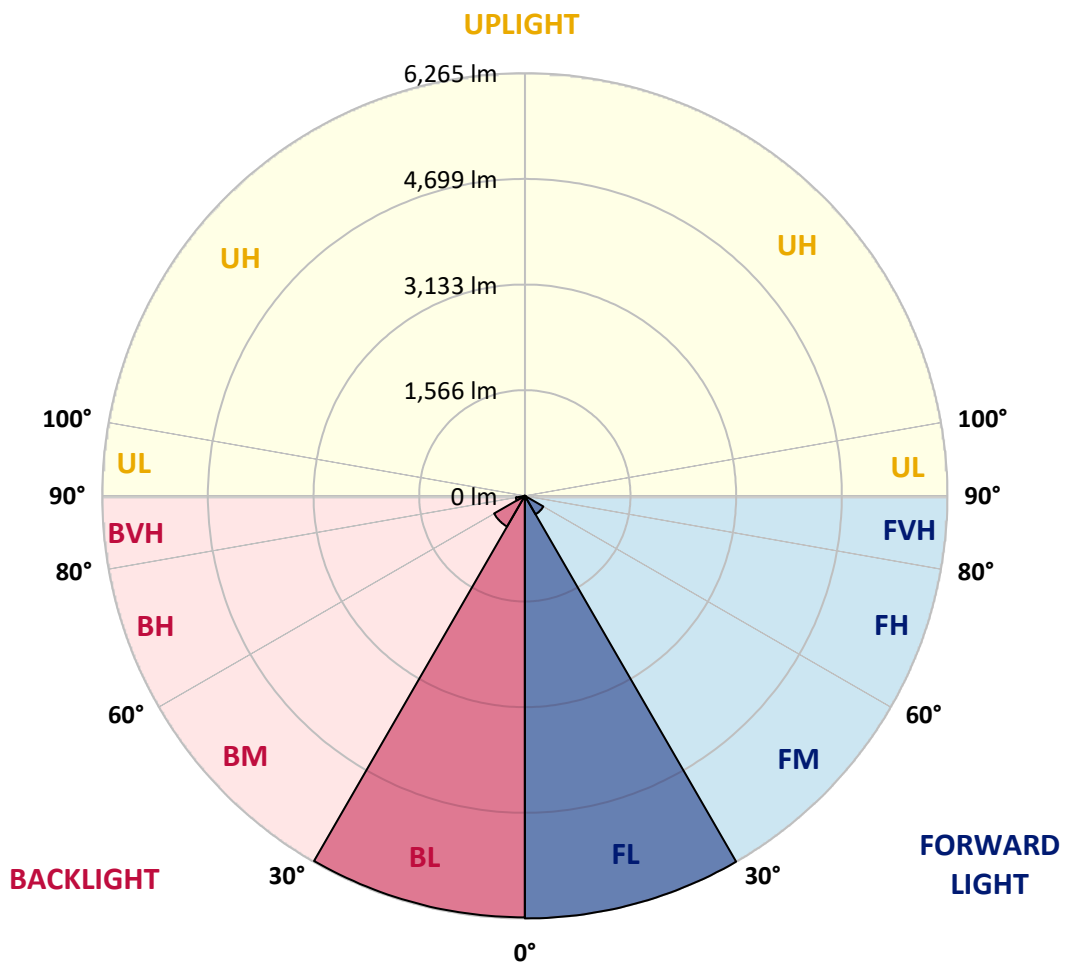


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6265.2	46.3			
FM (30°-60°)	316.2	2.3			
FH (60°-80°)	14.9	0.1			G0/660
FVH (80°-90°)	2.9	0.0			G0/10
BL (0°-30°)	6250.4	46.2	B5		
BM (30°-60°)	526.1	3.9	B1/1000		
BH (60°-80°)	135.8	1.0	B1/500		G0/660
BVH (80°-90°)	16.5	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°	134376.9	134376.9	134376.9	134376.9	134376.9	134376.9	134376.9	134376.9	134376.9	134376.9
1°	132767.9	132362.7	131316.6	132060.7	132714.9	132524.8	132511.5	132440.8	132342.1	133117.1
2°	127460.7	127198.4	125651.3	126289.3	127219.0	126541.3	126965.6	126592.8	126600.2	127525.5
3°	118514.1	118657.0	116189.0	117348.6	118640.8	116998.0	117507.8	118465.5	117462.1	117160.0
4°	106885.9	105645.3	104297.1	105475.8	105810.3	104854.1	105794.1	106966.9	105573.1	105635.0
5°	93610.4	92694.0	91098.3	91826.1	90996.6	91298.7	92707.2	93190.5	92218.1	90993.7
6°	79960.7	79309.5	77314.5	78363.5	78068.9	77898.0	79676.4	78202.9	78733.4	77992.2
7°	66511.4	65294.4	64314.5	65319.4	65384.2	64870.0	67178.9	66910.7	65945.6	65721.7
8°	55105.7	53891.6	53062.1	53810.6	54299.7	53492.3	54578.2	55291.4	54537.0	54604.7
9°	44445.5	44231.9	43078.2	44056.6	44588.5	43723.6	44925.9	45183.7	44478.0	44821.3
10°	36493.5	36244.5	35323.6	35720.0	36601.1	35569.7	36723.4	36807.4	36244.5	36405.1
12.5°	22552.1	22451.9	22426.8	22484.3	22472.5	22655.2	22949.9	22614.0	22569.8	22014.3
15°	14576.5	14725.3	14572.1	14866.8	14909.5	15081.9	14902.1	14631.0	14113.8	13857.5
17.5°	9096.9	9286.9	9549.2	9980.9	10412.6	10462.7	10224.0	9905.8	9655.3	9381.2
20°	5233.6	5326.4	5286.6	5803.8	6920.6	7224.2	6916.2	6581.7	6279.7	6002.7
22.5°	3251.8	3217.9	3279.8	3453.7	3817.6	4756.2	4504.2	4169.8	3950.2	3721.8
25°	1993.5	2030.4	2006.8	2102.6	2266.1	2663.9	2721.4	2577.0	2465.0	2347.1
27.5°	1283.3	1283.3	1293.7	1346.7	1458.7	1445.4	1751.9	1639.9	1579.5	1522.0
30°	891.4	894.4	894.4	925.3	950.4	906.1	985.7	1130.1	1102.1	1057.9
32.5°	661.6	670.4	677.8	694.0	673.4	626.2	645.4	813.3	797.1	780.9
35°	503.9	511.3	529.0	537.8	508.3	478.9	461.2	598.2	605.6	601.2
37.5°	366.9	371.3	403.7	437.6	403.7	377.2	366.9	459.7	495.1	490.6
40°	281.4	282.9	288.8	327.1	327.1	306.5	309.4	343.3	405.2	405.2
42.5°	241.6	241.6	247.5	241.6	243.1	265.2	272.6	277.0	343.3	343.3
45°	209.2	209.2	212.2	197.4	182.7	228.4	234.3	235.7	288.8	296.2
47.5°	175.3	175.3	181.2	162.1	154.7	181.2	197.4	201.9	249.0	254.9
50°	129.7	131.1	148.8	132.6	137.0	140.0	170.9	173.9	210.7	224.0
52.5°	86.9	86.9	89.9	103.1	119.3	114.9	138.5	148.8	168.0	185.7
55°	70.7	70.7	69.3	66.3	88.4	95.8	101.7	123.8	137.0	159.1
57.5°	48.6	51.6	47.1	54.5	57.5	72.2	76.6	97.2	104.6	134.1
60°	5.9	7.4	10.3	39.8	38.3	48.6	57.5	76.6	85.5	103.1
62.5°	1.5	1.5	2.9	7.4	26.5	32.4	45.7	53.0	61.9	79.6
65°	0.0	0.0	1.5	2.9	5.9	17.7	23.6	30.9	44.2	56.0
67.5°	0.0	0.0	1.5	2.9	2.9	7.4	11.8	19.2	23.6	41.3
70°	0.0	0.0	1.5	2.9	2.9	5.9	7.4	8.8	16.2	22.1
72.5°	0.0	0.0	1.5	2.9	4.4	5.9	7.4	7.4	7.4	14.7
75°	0.0	0.0	1.5	2.9	4.4	5.9	7.4	7.4	5.9	5.9
77.5°	0.0	0.0	1.5	2.9	5.9	7.4	8.8	7.4	4.4	4.4
80°	0.0	0.0	1.5	4.4	7.4	10.3	11.8	8.8	4.4	2.9
82.5°	0.0	0.0	2.9	5.9	8.8	11.8	16.2	13.3	5.9	2.9
85°	0.0	0.0	1.5	4.4	8.8	11.8	23.6	16.2	7.4	1.5
87.5°	0.0	0.0	0.0	1.5	1.5	2.9	8.8	5.9	2.9	1.5
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°
134376.9	0°	134376.9	134376.9	134376.9	134376.9	134376.9	134376.9	134376.9	134376.9
132222.7	1°	133146.6	133239.4	132935.9	133405.9	133240.9	132274.3	131954.6	131575.9
126981.8	2°	126592.8	127065.8	127089.4	127611.0	127603.6	126476.4	126127.2	126771.1
117773.0	3°	117416.4	117967.5	117470.9	118397.7	118119.2	116751.9	116396.8	117127.6
106124.2	4°	105807.4	105702.8	105531.8	105004.4	105654.1	104721.5	104018.6	105010.3
92617.4	5°	92431.7	92198.9	91865.9	91709.7	92193.0	91596.3	90150.9	91599.2
79333.1	6°	79430.3	78428.4	78379.8	78292.8	78341.4	76670.6	76770.8	77849.3
64951.1	7°	65637.7	65821.8	65446.1	66048.8	65589.0	64457.5	64021.3	65157.3
54902.4	8°	54519.3	54286.5	53999.2	54899.4	54102.3	53359.7	52851.4	53748.7
44877.3	9°	44793.3	44391.0	44099.3	44053.6	44177.4	42783.5	43066.4	43745.7
36493.5	10°	36506.8	35846.7	36007.3	36050.0	35914.5	35001.0	35009.8	35244.1
22382.6	12.5°	22303.1	21978.9	22060.0	22104.2	22379.7	22058.5	21604.7	21277.6
14112.4	15°	14018.1	13785.3	14261.2	14580.9	14516.1	14230.2	14016.6	13720.4
9381.2	17.5°	9294.3	9599.3	9600.8	9892.5	9922.0	9636.1	9471.1	9204.4
6101.4	20°	6079.3	6206.0	6469.8	6676.0	6795.4	6577.3	6379.9	6197.2
3804.4	22.5°	3804.4	4025.4	4190.4	4458.6	4567.6	4408.5	4268.5	4119.7
2375.1	25°	2335.4	2493.0	2630.0	2862.8	3011.7	2935.0	2806.9	2702.2
1533.8	27.5°	1557.4	1623.7	1691.5	1852.1	2006.8	1964.1	1912.5	1849.1
1081.5	30°	1097.7	1103.6	1175.8	1265.7	1368.8	1395.3	1371.7	1339.3
794.2	32.5°	808.9	832.5	866.4	922.4	991.6	1055.0	1043.2	1028.4
607.0	35°	624.7	660.1	688.1	730.8	767.6	828.1	838.4	834.0
499.5	37.5°	509.8	540.7	568.7	593.8	624.7	666.0	698.4	699.9
412.6	40°	422.9	450.9	487.7	506.9	529.0	559.9	599.7	602.6
349.2	42.5°	356.6	383.1	419.9	443.5	459.7	489.2	529.0	534.8
299.1	45°	306.5	322.7	361.0	389.0	405.2	424.3	467.1	473.0
257.8	47.5°	266.7	282.9	306.5	346.3	361.0	378.7	412.6	422.9
228.4	50°	234.3	250.5	271.1	306.5	328.6	343.3	371.3	386.0
198.9	52.5°	207.8	224.0	246.1	274.1	299.1	312.4	338.9	358.0
162.1	55°	173.9	201.9	218.1	243.1	277.0	288.8	309.4	334.5
141.4	57.5°	151.8	175.3	198.9	219.5	253.4	268.2	288.8	312.4
112.0	60°	128.2	150.3	178.3	196.0	228.4	247.5	269.6	291.7
85.5	62.5°	101.7	131.1	150.3	175.3	206.3	231.3	249.0	271.1
66.3	65°	75.1	107.6	129.7	156.2	185.7	212.2	226.9	250.5
47.1	67.5°	54.5	84.0	110.5	135.6	163.5	190.1	204.8	225.4
29.5	70°	42.7	61.9	91.4	113.5	142.9	165.0	181.2	194.5
19.2	72.5°	25.0	47.1	73.7	98.7	125.2	140.0	151.8	163.5
8.8	75°	16.2	36.8	60.4	82.5	101.7	114.9	125.2	135.6
4.4	77.5°	10.3	26.5	48.6	69.3	78.1	94.3	103.1	109.0
2.9	80°	5.9	20.6	42.7	56.0	63.4	73.7	82.5	89.9
2.9	82.5°	4.4	17.7	35.4	47.1	47.1	58.9	63.4	63.4
1.5	85°	2.9	14.7	28.0	44.2	35.4	44.2	41.3	41.3
1.5	87.5°	2.9	10.3	13.3	19.2	16.2	19.2	19.2	22.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
134376.9
130076.0
124043.8
113881.7
101421.0
87783.1
74722.7
62067.6
51186.4
41624.0
33649.8
21078.7
13568.7
9138.1
6133.8
4040.1
2641.8
1812.3
1317.2
1016.7
819.2
689.6
598.2
530.4
471.5
424.3
387.5
358.0
335.9
313.8
297.6
281.4
254.9
226.9
198.9
166.5
135.6
106.1
81.0
58.9
39.8
22.1
0.0

(END OF REPORT)