

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: P637056

Luminaire Tested: **IFLD-S-SA2A-730-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637056
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-730-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (32) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8360.5 lumens
Efficiency: N/A
Efficacy: 131.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

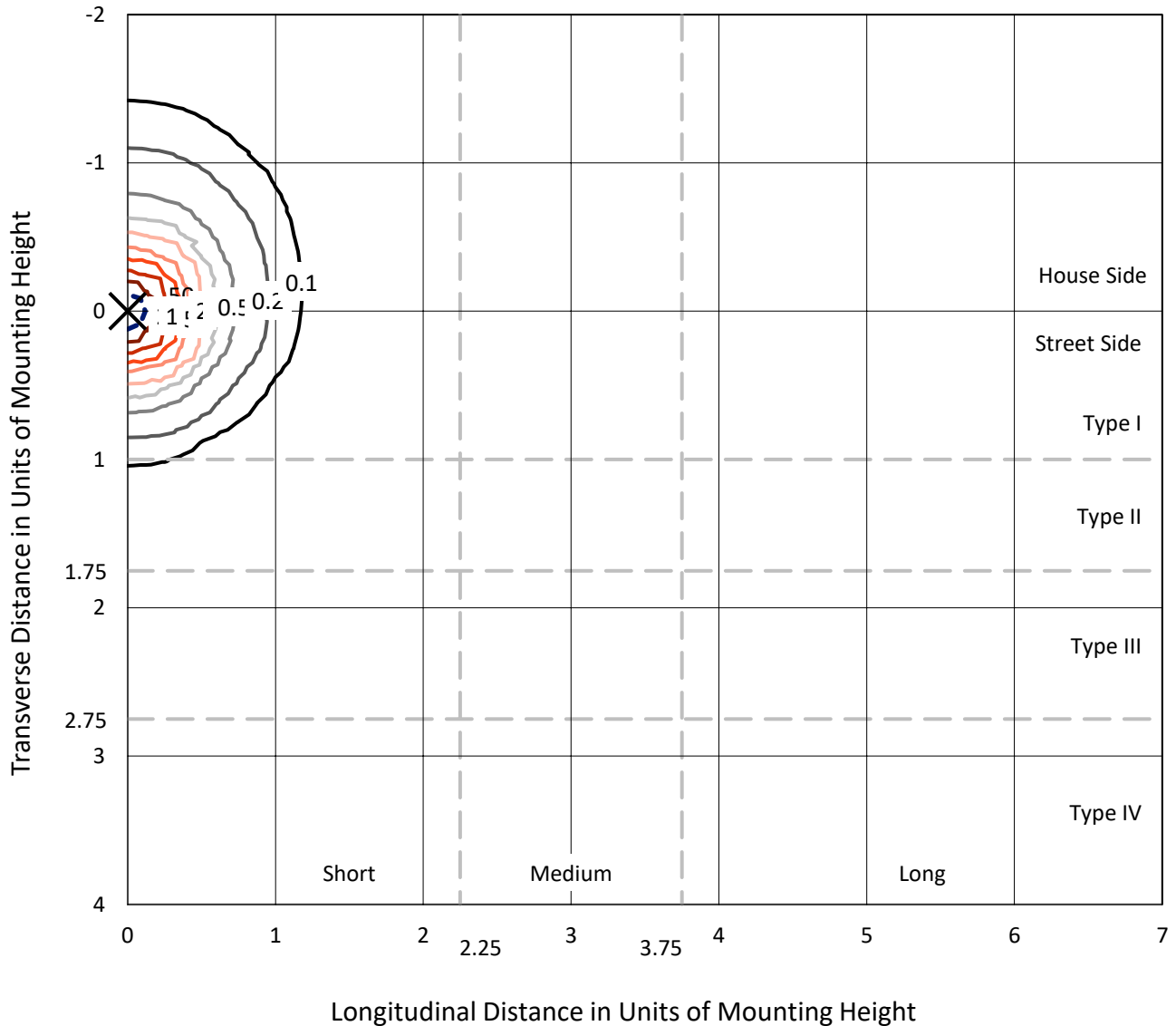
Input Watts (W): 63.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P637056
 CATALOG NUMBER: IFLD-S-SA2A-730-U-33-VI

Iso-Footcandle Lines of Horizontal Illumination

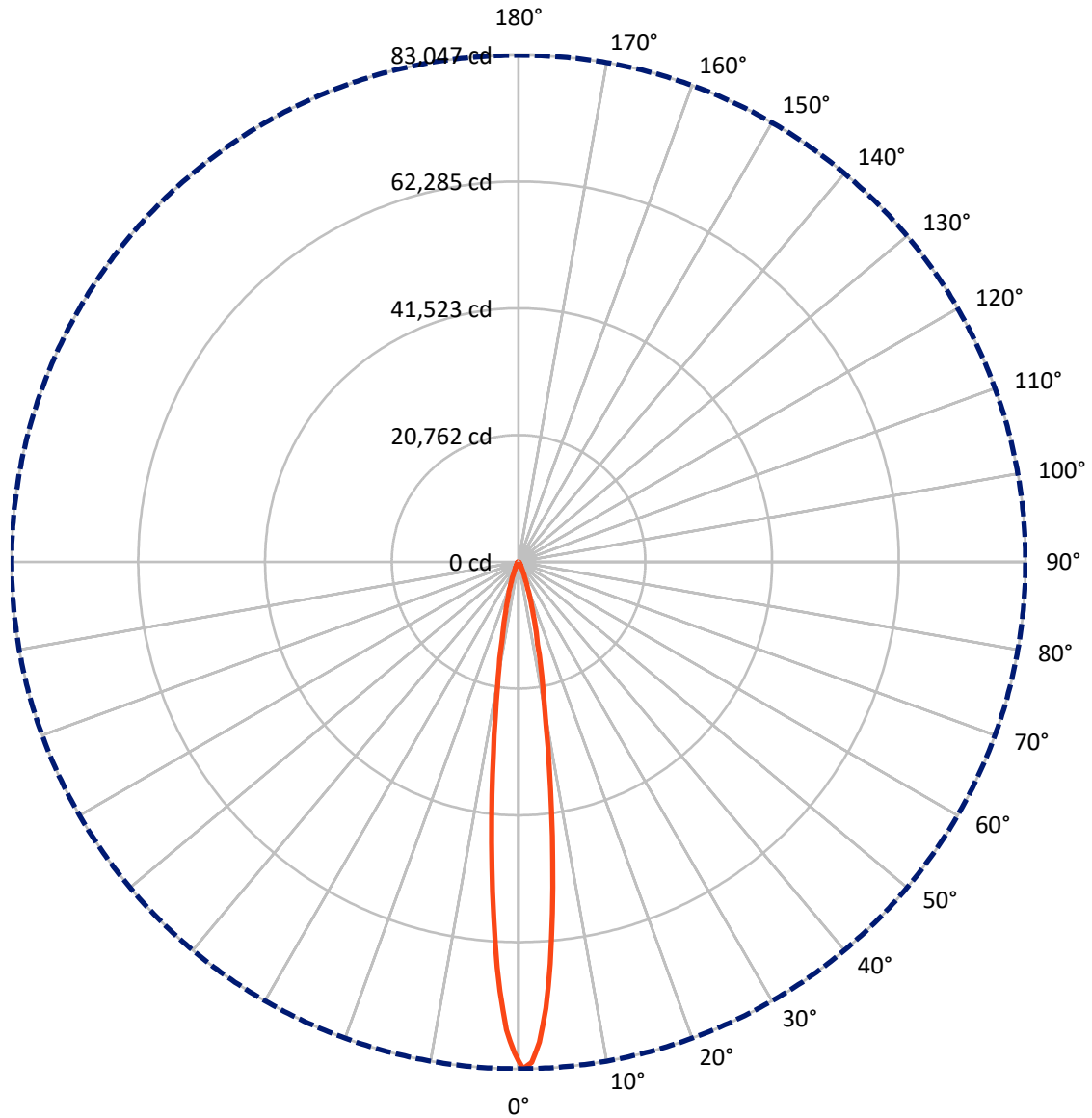
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 207.6 fc
 Type V - Short - N/A

REPORT NUMBER: P637056
CATALOG NUMBER: IFLD-S-SA2A-730-U-33-VI

Luminous Intensity Polar Plot



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

REPORT NUMBER: P637056
 CATALOG NUMBER: IFLD-S-SA2A-730-U-33-VI

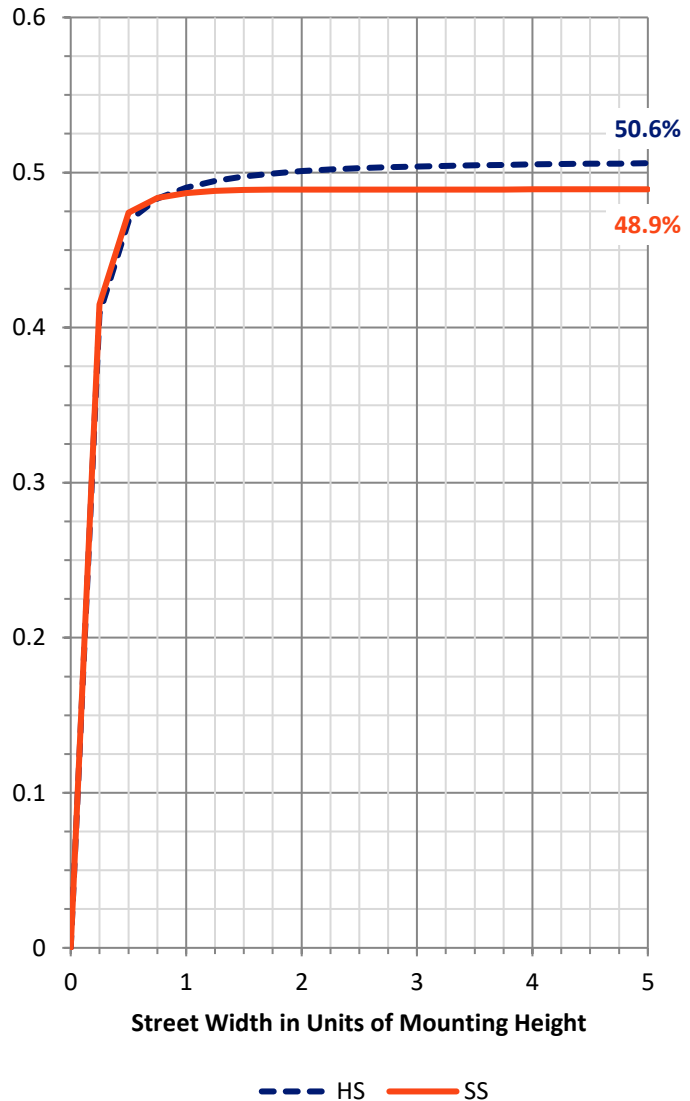
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4282.1	0.0	4282.1
	% Fixture	51.2	0.0	51.2
Street Side	Lumens	4078.4	0.0	4078.4
	% Fixture	48.8	0.0	48.8
Total	Lumens	8360.5	0.0	8360.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4220.6	50.5
10°-20°	2702.0	32.3
20°-30°	812.2	9.7
30°-40°	264.4	3.2
40°-50°	153.9	1.8
50°-60°	102.2	1.2
60°-70°	61.5	0.7
70°-80°	31.6	0.4
80°-90°	12.0	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°	8360.5	100.0
0°-180°	8360.5	100.0

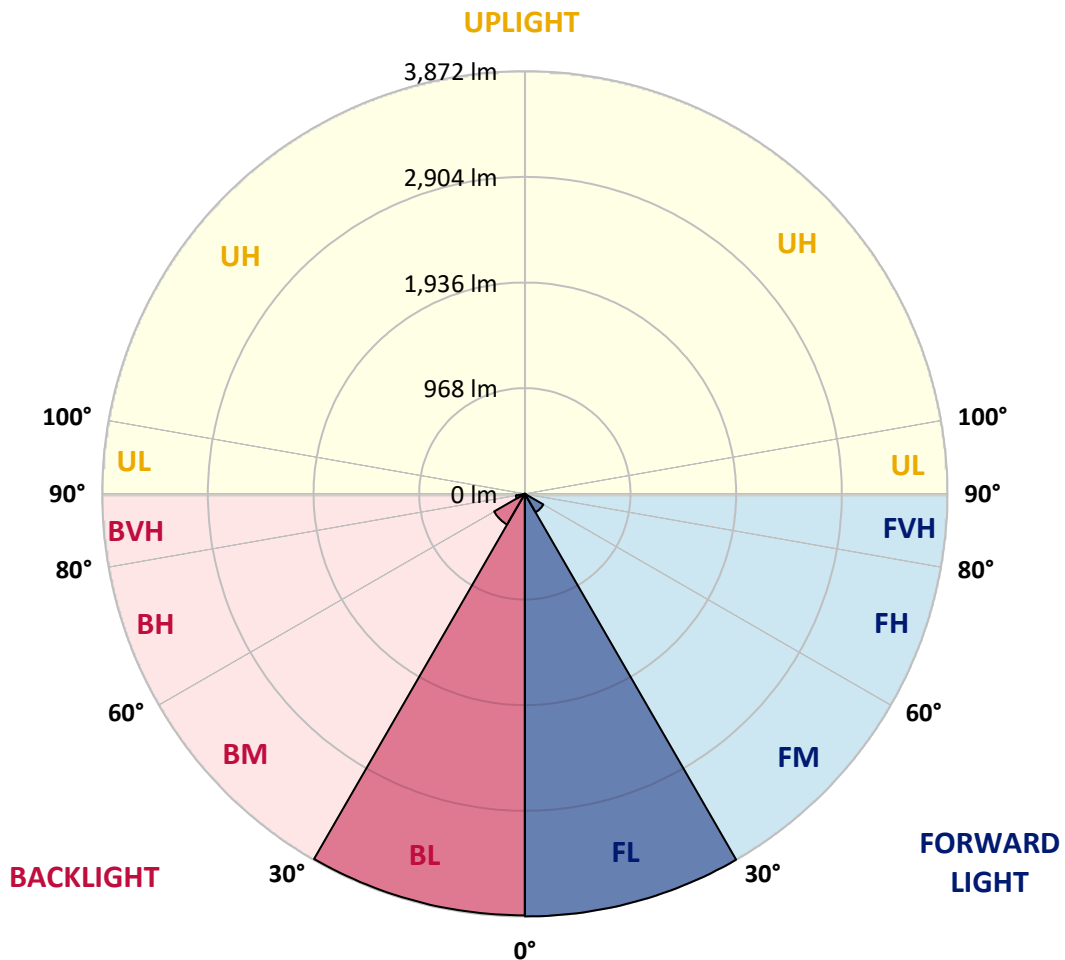


REPORT NUMBER: P637056
 CATALOG NUMBER: IFLD-S-SA2A-730-U-33-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3872.0	46.3			
FM (30°-60°)	195.4	2.3			
FH (60°-80°)	9.2	0.1			G0/660
FVH (80°-90°)	1.8	0.0			G0/10
BL (0°-30°)	3862.8	46.2	B4/5000		
BM (30°-60°)	325.1	3.9	B1/1000		
BH (60°-80°)	83.9	1.0	B0/110		G0/660
BVH (80°-90°)	10.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1
 Type V Short





REPORT NUMBER: P637056
 CATALOG NUMBER: IFLD-S-SA2A-730-U-33-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	83046.6	83046.6	83046.6	83046.6	83046.6	83046.6	83046.6	83046.6	83046.6	83046.6
1°	82052.2	81801.8	81155.3	81615.1	82019.4	81901.9	81893.7	81850.0	81789.0	82268.0
2°	78772.2	78610.2	77654.0	78048.3	78622.9	78204.0	78466.3	78235.9	78240.5	78812.3
3°	73243.2	73331.5	71806.3	72522.9	73321.5	72306.2	72621.2	73213.1	72593.0	72406.3
4°	66056.8	65290.1	64456.9	65185.4	65392.1	64801.1	65382.1	66106.9	65245.5	65283.7
5°	57852.4	57286.0	56299.8	56749.7	56237.0	56423.7	57294.2	57592.9	56991.9	56235.2
6°	49416.7	49014.2	47781.3	48429.6	48247.5	48141.9	49241.0	48330.4	48658.2	48200.2
7°	41104.9	40352.7	39747.2	40368.2	40408.3	40090.5	41517.4	41351.6	40755.2	40616.8
8°	34056.0	33305.7	32793.0	33255.6	33557.9	33058.9	33730.0	34170.7	33704.5	33746.4
9°	27467.9	27335.9	26622.9	27227.5	27556.2	27021.7	27764.7	27924.1	27487.9	27700.1
10°	22553.4	22399.6	21830.4	22075.4	22619.9	21982.5	22695.5	22747.4	22399.6	22498.8
12.5°	13937.5	13875.5	13860.1	13895.6	13888.3	14001.2	14183.3	13975.7	13948.4	13605.1
15°	9008.4	9100.4	9005.7	9187.8	9214.2	9320.8	9209.7	9042.1	8722.5	8564.1
17.5°	5622.0	5739.4	5901.5	6168.3	6435.1	6466.1	6318.6	6121.9	5967.1	5797.7
20°	3234.4	3291.8	3267.2	3586.8	4277.0	4464.6	4274.3	4067.6	3880.9	3709.7
22.5°	2009.7	1988.7	2027.0	2134.4	2359.3	2939.4	2783.7	2577.0	2441.3	2300.1
25°	1232.0	1254.8	1240.2	1299.4	1400.5	1646.3	1681.9	1592.6	1523.4	1450.6
27.5°	793.1	793.1	799.5	832.3	901.5	893.3	1082.7	1013.5	976.2	940.6
30°	550.9	552.7	552.7	571.8	587.3	560.0	609.2	698.4	681.1	653.8
32.5°	408.9	414.3	418.9	428.9	416.1	387.0	398.8	502.6	492.6	482.6
35°	311.4	316.0	326.9	332.4	314.2	295.9	285.0	369.7	374.3	371.5
37.5°	226.7	229.5	249.5	270.4	249.5	233.1	226.7	284.1	306.0	303.2
40°	173.9	174.8	178.5	202.2	202.2	189.4	191.2	212.2	250.4	250.4
42.5°	149.3	149.3	153.0	149.3	150.2	163.9	168.5	171.2	212.2	212.2
45°	129.3	129.3	131.1	122.0	112.9	141.1	144.8	145.7	178.5	183.0
47.5°	108.4	108.4	112.0	100.2	95.6	112.0	122.0	124.8	153.9	157.5
50°	80.1	81.0	92.0	82.0	84.7	86.5	105.6	107.4	130.2	138.4
52.5°	53.7	53.7	55.5	63.7	73.8	71.0	85.6	92.0	103.8	114.7
55°	43.7	43.7	42.8	41.0	54.6	59.2	62.8	76.5	84.7	98.3
57.5°	30.0	31.9	29.1	33.7	35.5	44.6	47.4	60.1	64.7	82.9
60°	3.6	4.6	6.4	24.6	23.7	30.0	35.5	47.4	52.8	63.7
62.5°	0.9	0.9	1.8	4.6	16.4	20.0	28.2	32.8	38.2	49.2
65°	0.0	0.0	0.9	1.8	3.6	10.9	14.6	19.1	27.3	34.6
67.5°	0.0	0.0	0.9	1.8	1.8	4.6	7.3	11.8	14.6	25.5
70°	0.0	0.0	0.9	1.8	1.8	3.6	4.6	5.5	10.0	13.7
72.5°	0.0	0.0	0.9	1.8	2.7	3.6	4.6	4.6	4.6	9.1
75°	0.0	0.0	0.9	1.8	2.7	3.6	4.6	4.6	3.6	3.6
77.5°	0.0	0.0	0.9	1.8	3.6	4.6	5.5	4.6	2.7	2.7
80°	0.0	0.0	0.9	2.7	4.6	6.4	7.3	5.5	2.7	1.8
82.5°	0.0	0.0	1.8	3.6	5.5	7.3	10.0	8.2	3.6	1.8
85°	0.0	0.0	0.9	2.7	5.5	7.3	14.6	10.0	4.6	0.9
87.5°	0.0	0.0	0.0	0.9	0.9	1.8	5.5	3.6	1.8	0.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P637056

CATALOG NUMBER: IFLD-S-SA2A-730-U-33-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
83046.6	0°	83046.6	83046.6	83046.6	83046.6	83046.6	83046.6	83046.6	83046.6	83046.6
81715.3	1°	82286.2	82343.6	82156.0	82446.5	82344.5	81747.1	81549.5	81315.5	80978.6
78476.3	2°	78235.9	78528.2	78542.8	78865.1	78860.6	78164.0	77948.2	78346.1	77569.4
72785.1	3°	72564.8	72905.3	72598.5	73171.2	72999.1	72154.1	71934.6	72386.3	71821.7
65586.0	4°	65390.2	65325.6	65220.0	64894.0	65295.5	64719.1	64284.8	64897.6	63690.2
57238.7	5°	57123.9	56980.1	56774.3	56677.7	56976.4	56607.6	55714.3	56609.4	54455.9
49028.8	6°	49088.9	48469.7	48439.6	48385.9	48416.0	47383.4	47445.3	48111.8	46319.8
40140.5	7°	40564.9	40678.7	40446.5	40818.9	40534.8	39835.5	39566.0	40268.0	39001.4
33930.3	8°	33693.6	33549.7	33372.1	33928.5	33435.9	32977.0	32662.8	33217.3	32276.7
27734.7	9°	27682.8	27434.2	27253.9	27225.7	27302.2	26440.7	26615.6	27035.4	26469.0
22553.4	10°	22561.6	22153.7	22253.0	22279.4	22195.6	21631.0	21636.5	21781.3	21100.1
13832.7	12.5°	13783.6	13583.2	13633.3	13660.6	13830.9	13632.4	13352.0	13149.8	13047.8
8721.6	15°	8663.3	8519.5	8813.6	9011.2	8971.1	8794.5	8662.4	8479.4	8331.9
5797.7	17.5°	5744.0	5932.5	5933.4	6113.7	6131.9	5955.2	5853.3	5688.4	5695.7
3770.7	20°	3757.1	3835.4	3998.4	4125.9	4199.6	4064.9	3942.8	3829.9	3782.6
2351.1	22.5°	2351.1	2487.7	2589.7	2755.4	2822.8	2724.5	2638.0	2546.0	2489.5
1467.9	25°	1443.3	1540.7	1625.4	1769.3	1861.2	1813.9	1734.7	1670.0	1640.0
947.9	27.5°	962.5	1003.5	1045.4	1144.6	1240.2	1213.8	1181.9	1142.8	1129.1
668.4	30°	678.4	682.0	726.6	782.2	845.9	862.3	847.8	827.7	812.2
490.8	32.5°	499.9	514.5	535.4	570.0	612.8	652.0	644.7	635.6	628.3
375.2	35°	386.1	407.9	425.2	451.7	474.4	511.8	518.1	515.4	509.9
308.7	37.5°	315.1	334.2	351.5	367.0	386.1	411.6	431.6	432.5	427.1
255.0	40°	261.3	278.6	301.4	313.2	326.9	346.0	370.6	372.4	370.6
215.8	42.5°	220.4	236.8	259.5	274.1	284.1	302.3	326.9	330.5	326.9
184.8	45°	189.4	199.4	223.1	240.4	250.4	262.2	288.7	292.3	291.4
159.4	47.5°	164.8	174.8	189.4	214.0	223.1	234.0	255.0	261.3	261.3
141.1	50°	144.8	154.8	167.5	189.4	203.1	212.2	229.5	238.6	238.6
122.9	52.5°	128.4	138.4	152.1	169.4	184.8	193.0	209.4	221.3	221.3
100.2	55°	107.4	124.8	134.8	150.2	171.2	178.5	191.2	206.7	206.7
87.4	57.5°	93.8	108.4	122.9	135.7	156.6	165.7	178.5	193.0	194.9
69.2	60°	79.2	92.9	110.2	121.1	141.1	153.0	166.6	180.3	183.9
52.8	62.5°	62.8	81.0	92.9	108.4	127.5	143.0	153.9	167.5	173.0
41.0	65°	46.4	66.5	80.1	96.5	114.7	131.1	140.2	154.8	158.4
29.1	67.5°	33.7	51.9	68.3	83.8	101.1	117.5	126.6	139.3	142.1
18.2	70°	26.4	38.2	56.5	70.1	88.3	102.0	112.0	120.2	122.9
11.8	72.5°	15.5	29.1	45.5	61.0	77.4	86.5	93.8	101.1	102.9
5.5	75°	10.0	22.8	37.3	51.0	62.8	71.0	77.4	83.8	84.7
2.7	77.5°	6.4	16.4	30.0	42.8	48.3	58.3	63.7	67.4	65.6
1.8	80°	3.6	12.7	26.4	34.6	39.2	45.5	51.0	55.5	51.0
1.8	82.5°	2.7	10.9	21.9	29.1	29.1	36.4	39.2	39.2	37.3
0.9	85°	1.8	9.1	17.3	27.3	21.9	27.3	25.5	25.5	25.5
0.9	87.5°	1.8	6.4	8.2	11.8	10.0	11.8	11.8	13.7	13.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
83046.6
80388.5
76660.6
70380.3
62679.4
54251.0
46179.6
38358.5
31633.8
25724.1
20796.0
13026.9
8385.6
5647.5
3790.8
2496.8
1632.7
1120.0
814.1
628.3
506.3
426.2
369.7
327.8
291.4
262.2
239.5
221.3
207.6
194.0
183.9
173.9
157.5
140.2
122.9
102.9
83.8
65.6
50.1
36.4
24.6
13.7
0.0

(END OF REPORT)