

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: P637682

Luminaire Tested: **IFLD-M-SA4C-750-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637682
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4C-750-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27318.7 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 218.1
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



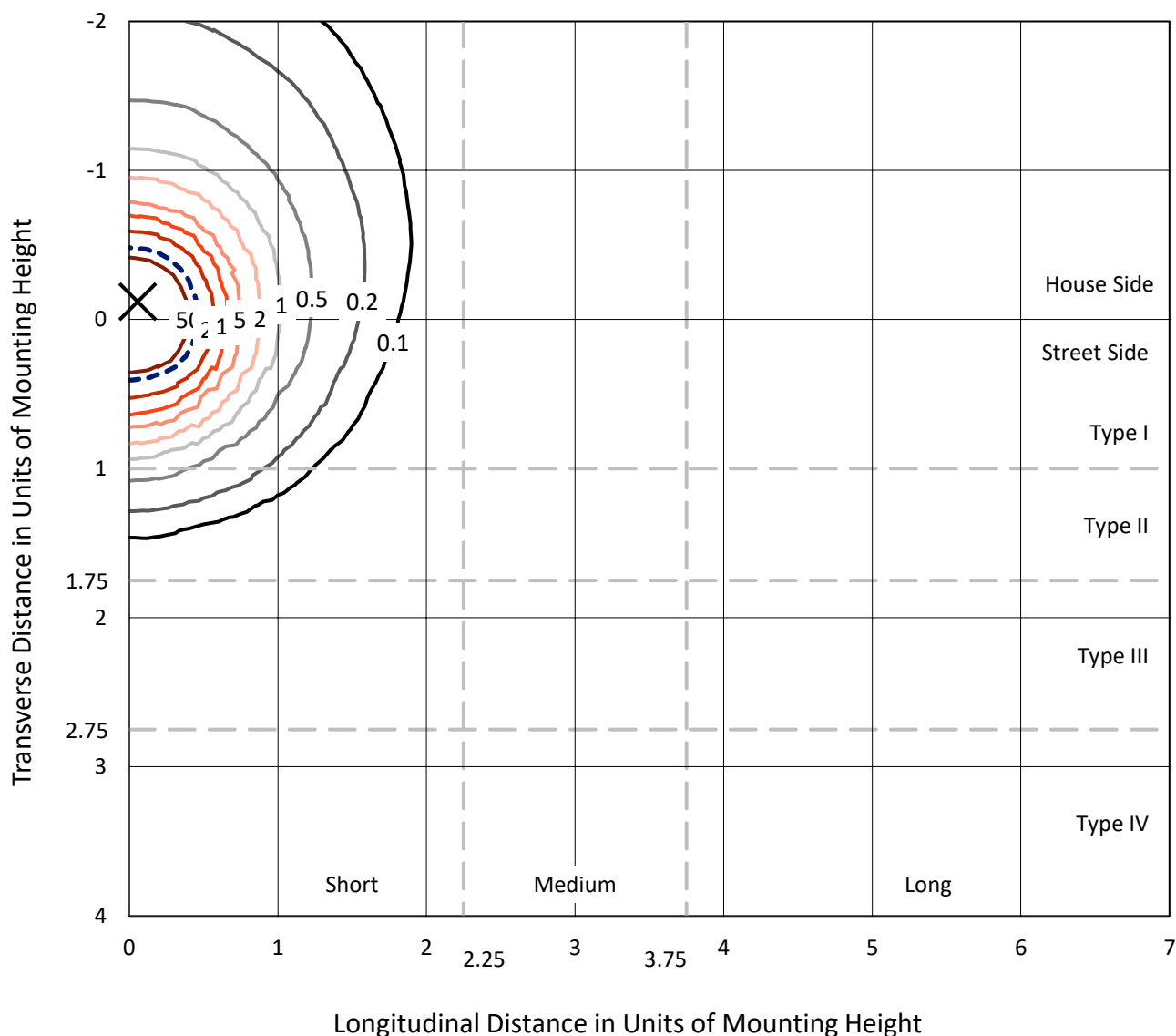
REPORT NUMBER: P637682

CATALOG NUMBER: IFLD-M-SA4C-750-U-55-VI

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

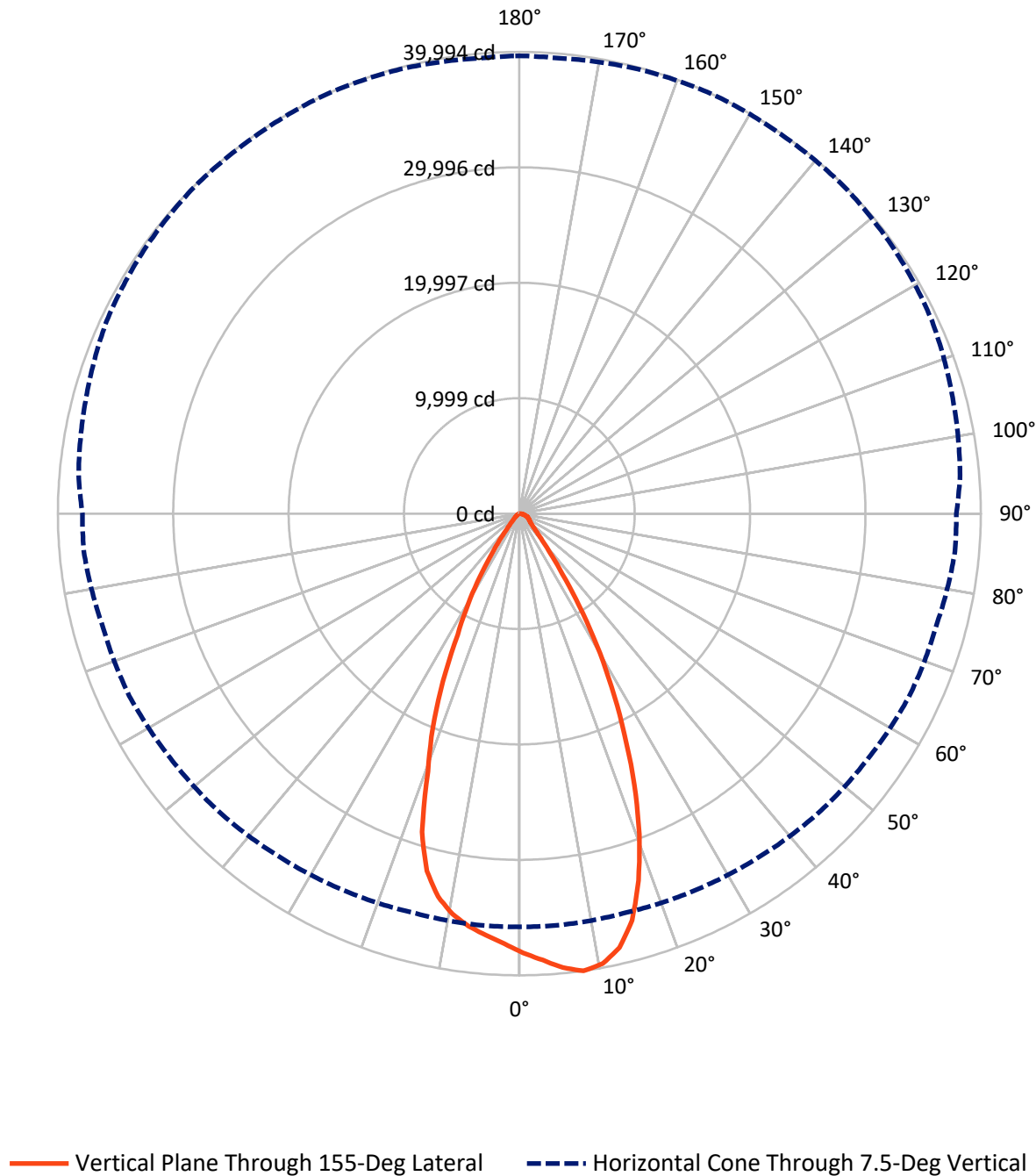


Based on 20 foot mounting height. Maximum calculated value = 96.7 fc

Type I - Short - N/A

REPORT NUMBER: P637682
CATALOG NUMBER: IFLD-M-SA4C-750-U-55-VI

Luminous Intensity Polar Plot



REPORT NUMBER: P637682

CATALOG NUMBER: IFLD-M-SA4C-750-U-55-VI

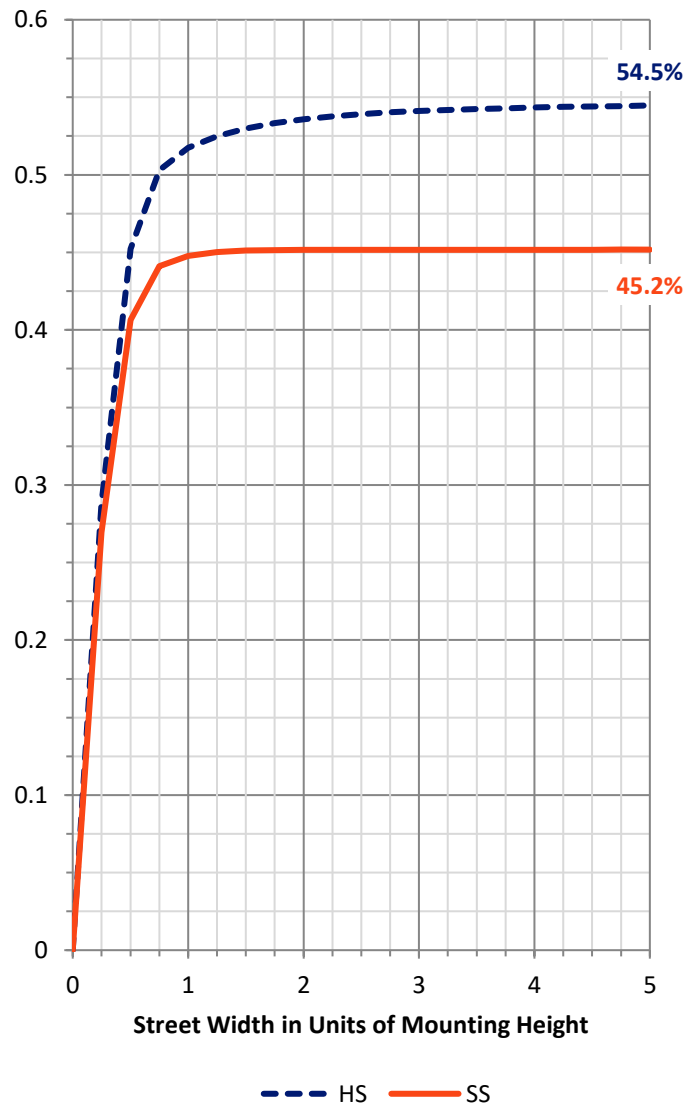
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15080.9	0.0	15080.9
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	12237.8	0.0	12237.8
	% Fixture	44.8	0.0	44.8
Total	Lumens	27318.7	0.0	27318.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3629.0	13.3
10°-20°	9410.0	34.4
20°-30°	8622.2	31.6
30°-40°	3483.4	12.8
40°-50°	1021.9	3.7
50°-60°	571.3	2.1
60°-70°	347.0	1.3
70°-80°	176.3	0.6
80°-90°	57.7	0.2
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°	27318.7	100.0
0°-180°	27318.7	100.0

Coefficient of Utilization



REPORT NUMBER: P637682

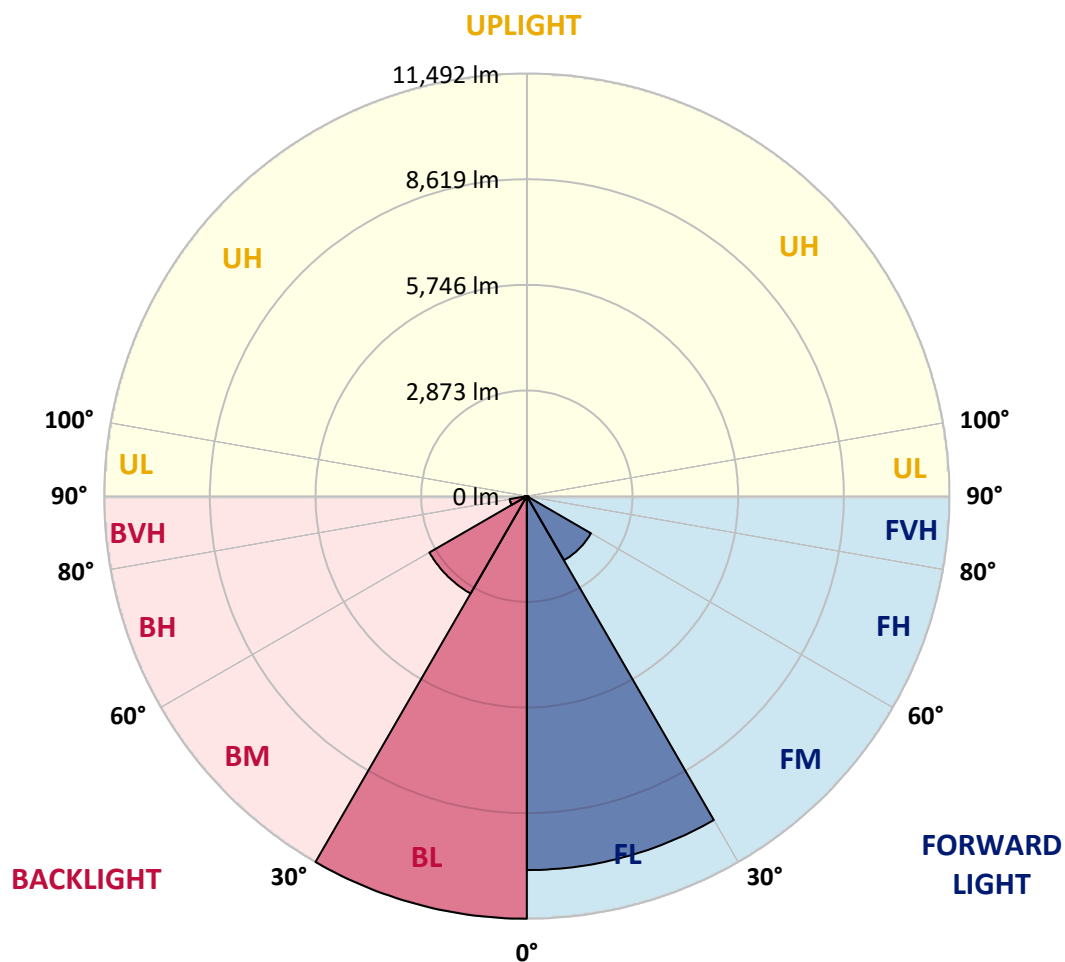
CATALOG NUMBER: IFLD-M-SA4C-750-U-55-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	10168.7	37.2			
FM	(30°-60°)	2015.3	7.4			
FH	(60°-80°)	48.8	0.2			G0/660
FVH	(80°-90°)	5.0	0.0			G0/10
BL	(0°-30°)	11492.4	42.1	B5		
BM	(30°-60°)	3061.3	11.2	B3/5000		
BH	(60°-80°)	474.5	1.7	B1/500		G1/500
BVH	(80°-90°)	52.7	0.2			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 I Short



REPORT NUMBER: P637682

CATALOG NUMBER: IFLD-M-SA4C-750-U-55-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	38057.0	38057.0	38057.0	38057.0	38057.0	38057.0	38057.0	38057.0	38057.0	38057.0
2.5°	37231.7	37357.7	37105.7	37272.6	37401.8	37710.5	37735.7	37842.8	37880.6	38161.0
5°	36526.0	36623.7	36418.9	36642.6	36825.3	37099.4	37310.4	37606.5	37770.3	38101.1
7.5°	35792.0	35814.1	35773.1	36009.4	36283.5	36661.5	36922.9	37310.4	37411.2	37883.7
10°	34903.7	34743.0	34821.8	35168.3	35577.8	36157.5	36337.0	36724.5	36904.0	37386.0
12.5°	33486.1	33568.0	33470.4	33911.4	34251.6	34910.0	35099.0	35489.6	35833.0	36258.3
15°	31488.9	31441.7	31640.1	31983.5	32352.1	32875.0	33180.6	33605.8	33867.3	34308.3
17.5°	27000.0	27160.6	27979.7	28839.7	29595.7	30206.8	30572.2	30925.1	31114.1	31592.9
20°	23317.4	23115.8	23226.1	23711.2	25862.8	26798.4	27182.7	27267.7	27346.5	27724.5
22.5°	19200.2	19134.0	19502.6	20047.6	20557.9	22715.8	23238.7	23040.2	23204.0	23560.0
25°	14257.6	14591.5	14919.1	15965.0	16626.5	17685.0	18677.3	18765.5	18825.3	19049.0
27.5°	11605.2	11488.6	11482.3	11775.3	12751.8	13633.9	14478.1	14673.4	14638.8	14853.0
30°	9122.8	9085.0	8952.7	9022.0	8924.4	9708.8	10105.7	10909.0	10864.9	10871.2
32.5°	6580.7	6438.9	6385.4	6489.3	6388.5	6316.1	6662.6	7569.8	7554.1	7617.1
35°	3981.8	3962.9	4007.0	4098.3	3896.7	3890.4	3962.9	4816.6	4920.5	5021.3
37.5°	2198.8	2179.9	2214.6	2551.6	2485.5	2425.6	2444.5	2895.0	3194.3	3269.9
40°	1449.1	1445.9	1471.1	1531.0	1644.4	1622.3	1631.8	1833.4	2116.9	2183.1
42.5°	970.2	973.4	989.1	1058.5	1074.2	1187.6	1168.7	1216.0	1480.6	1537.3
45°	774.9	771.8	781.2	749.7	768.6	885.2	897.8	900.9	1127.8	1162.4
47.5°	611.1	611.1	620.6	579.6	570.2	642.6	708.8	718.2	900.9	948.2
50°	428.4	428.4	475.7	456.8	478.8	500.9	573.3	582.8	737.1	787.5
52.5°	315.0	321.3	327.6	330.8	403.2	400.1	463.1	507.2	557.6	645.8
55°	239.4	245.7	230.0	245.7	299.3	333.9	346.5	409.5	444.2	541.8
57.5°	157.5	173.3	160.7	189.0	201.6	258.3	277.2	337.1	359.1	444.2
60°	22.1	25.2	41.0	132.3	141.8	170.1	214.2	267.8	289.8	362.3
62.5°	3.2	3.2	9.5	22.1	94.5	113.4	160.7	185.9	214.2	270.9
65°	0.0	0.0	3.2	6.3	18.9	66.2	81.9	100.8	148.1	195.3
67.5°	0.0	0.0	3.2	6.3	9.5	22.1	34.7	66.2	85.1	135.5
70°	0.0	0.0	3.2	6.3	9.5	12.6	18.9	25.2	50.4	78.8
72.5°	0.0	0.0	3.2	6.3	9.5	12.6	15.8	18.9	22.1	50.4
75°	0.0	0.0	3.2	6.3	9.5	15.8	18.9	18.9	18.9	22.1
77.5°	0.0	0.0	3.2	6.3	12.6	18.9	22.1	18.9	15.8	15.8
80°	0.0	0.0	3.2	9.5	15.8	22.1	25.2	18.9	12.6	9.5
82.5°	0.0	0.0	3.2	9.5	15.8	22.1	25.2	22.1	12.6	9.5
85°	0.0	0.0	3.2	9.5	12.6	15.8	25.2	22.1	12.6	6.3
87.5°	0.0	0.0	0.0	3.2	3.2	6.3	12.6	9.5	6.3	3.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P637682

CATALOG NUMBER: IFLD-M-SA4C-750-U-55-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
38057.0	0°	38057.0	38057.0	38057.0	38057.0	38057.0	38057.0	38057.0	38057.0	38057.0
38154.7	2.5°	38438.2	38579.9	38828.8	38898.1	39112.3	38866.6	38731.1	38743.7	38450.8
38060.1	5°	38438.2	38762.6	39197.4	39405.3	39562.8	39550.2	39515.5	39427.3	39213.1
37871.1	7.5°	38337.4	38866.6	39465.1	39742.3	39931.3	39915.6	39994.3	39852.6	39591.1
37534.1	10°	38012.9	38472.8	39210.0	39436.8	39742.3	39748.6	39651.0	39679.3	39213.1
36302.4	12.5°	36992.2	37351.4	37997.1	38255.5	38627.2	38687.0	38579.9	38539.0	38097.9
34283.1	15°	35017.1	35225.0	35873.9	36132.3	36500.8	36450.4	36557.5	36513.4	36126.0
31555.1	17.5°	32128.4	32194.6	32875.0	33092.4	33438.9	33574.3	33413.7	33618.4	33284.5
27790.6	20°	27986.0	28341.9	29107.4	29441.3	29642.9	29885.5	29674.4	29904.4	29513.8
23222.9	22.5°	23783.7	23994.7	24687.7	25169.7	25544.6	25591.8	25513.1	25673.7	25147.7
19197.0	25°	19193.9	19543.5	20091.7	20721.7	21090.3	21317.1	21112.3	21216.3	21131.2
14887.6	27.5°	15139.6	15451.5	15864.2	16333.5	16888.0	17184.1	17020.3	17196.7	16780.9
11101.1	30°	11110.6	11268.1	11734.3	12232.0	12840.0	13199.1	13214.9	13394.5	13148.7
7777.7	32.5°	7834.4	7973.0	8259.7	8590.5	9170.1	9570.2	9507.2	9532.4	9381.2
5068.6	35°	5093.8	5279.7	5484.4	5641.9	5991.6	6432.6	6398.0	6366.5	6262.5
3332.9	37.5°	3405.3	3477.8	3591.2	3732.9	3959.7	4237.0	4328.3	4214.9	4170.8
2249.2	40°	2302.8	2428.8	2504.4	2611.5	2718.6	2951.7	3014.7	2992.6	2948.5
1575.1	42.5°	1634.9	1732.6	1827.1	1931.0	1987.7	2132.7	2255.5	2220.9	2202.0
1197.1	45°	1241.2	1329.4	1439.6	1518.4	1575.1	1660.1	1776.7	1789.3	1760.9
960.8	47.5°	995.4	1074.2	1162.4	1260.1	1326.2	1379.8	1480.6	1518.4	1499.5
809.6	50°	844.2	904.1	989.1	1086.8	1159.3	1206.5	1294.7	1335.7	1323.1
677.3	52.5°	718.2	790.7	869.4	951.3	1039.6	1086.8	1168.7	1228.6	1219.1
560.7	55°	595.4	689.9	771.8	853.7	954.5	1001.7	1074.2	1153.0	1137.2
475.7	57.5°	519.8	598.5	683.6	762.3	869.4	932.4	998.6	1080.5	1077.4
390.6	60°	434.7	513.5	608.0	674.1	787.5	875.7	935.6	1020.6	1026.9
296.1	62.5°	346.5	444.2	516.6	608.0	711.9	815.9	872.6	957.6	989.1
226.8	65°	258.3	365.4	447.3	538.7	636.3	752.9	803.3	888.3	919.8
163.8	67.5°	192.2	274.1	378.0	456.8	567.0	667.8	727.7	806.4	828.5
97.7	70°	144.9	211.1	315.0	384.3	497.7	579.6	639.5	699.3	727.7
66.2	72.5°	85.1	157.5	248.9	330.8	428.4	497.7	541.8	589.1	608.0
31.5	75°	59.9	119.7	195.3	274.1	346.5	403.2	444.2	485.1	504.0
15.8	77.5°	31.5	88.2	154.4	220.5	270.9	318.2	359.1	390.6	403.2
12.6	80°	18.9	63.0	126.0	173.3	207.9	248.9	289.8	311.9	308.7
9.5	82.5°	12.6	50.4	91.4	126.0	151.2	182.7	211.1	226.8	226.8
6.3	85°	9.5	34.7	63.0	97.7	100.8	126.0	132.3	148.1	151.2
6.3	87.5°	6.3	22.1	34.7	56.7	53.6	66.2	69.3	78.8	85.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
38057.0
38214.5
39282.4
39651.0
39077.6
37997.1
36248.8
33202.6
29482.3
25075.2
21077.7
16888.0
13192.8
9466.2
6171.1
4161.4
2954.8
2186.2
1757.8
1490.0
1319.9
1212.8
1137.2
1074.2
1026.9
986.0
916.7
828.5
721.4
601.7
497.7
400.1
305.6
223.7
148.1
81.9
0.0

(END OF REPORT)