

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: P636440

Luminaire Tested: **IFLD-L-SA7C-927-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636440
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-927-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (112) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23224 lumens
Efficiency: N/A
Efficacy: 62.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

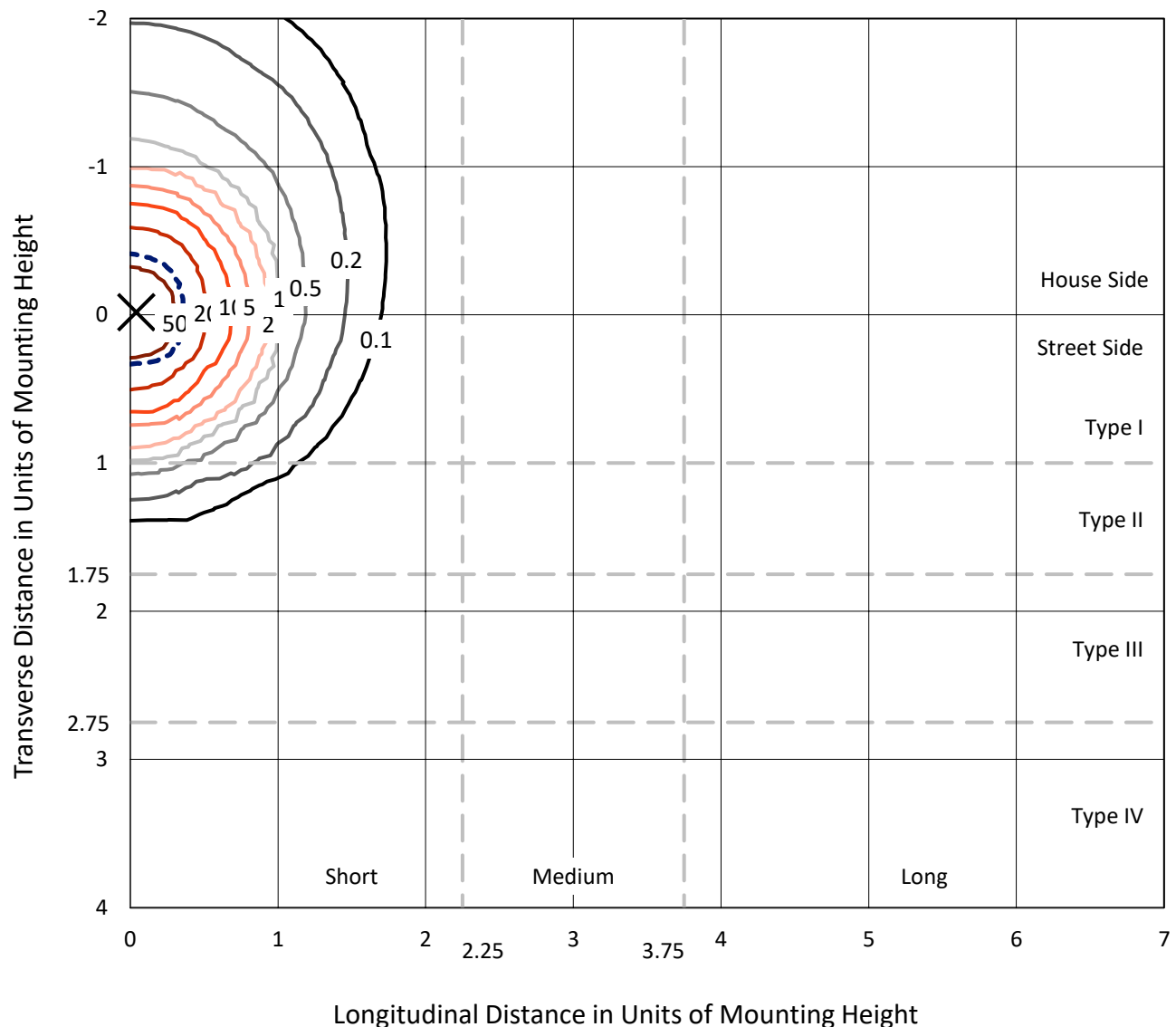
Input Watts (W): 369
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636440
 CATALOG NUMBER: IFLD-L-SA7C-927-U-55-VI

Iso-Footcandle Lines of Horizontal Illumination

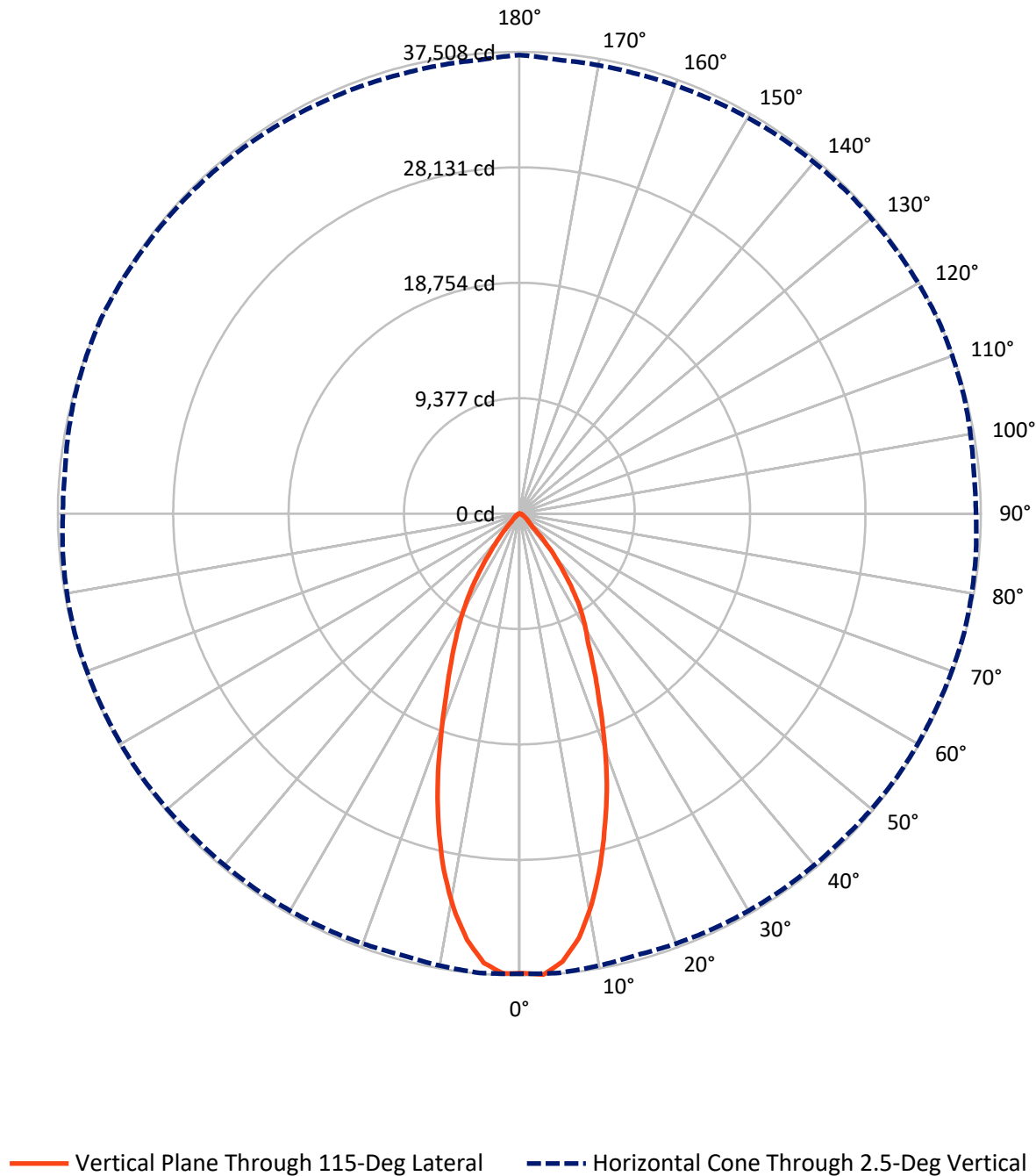
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 93.3 fc
 Type I - Short - N/A

REPORT NUMBER: P636440
CATALOG NUMBER: IFLD-L-SA7C-927-U-55-VI

Luminous Intensity Polar Plot



REPORT NUMBER: P636440

CATALOG NUMBER: IFLD-L-SA7C-927-U-55-VI

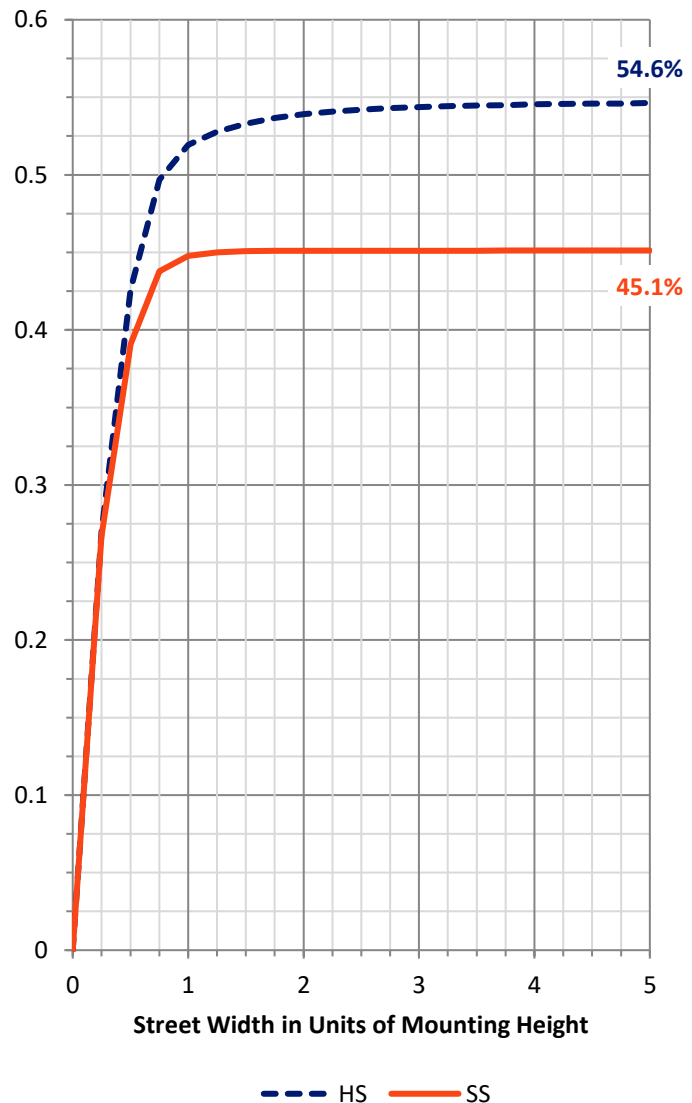
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12816.9	0.0	12816.9
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	10407.0	0.0	10407.0
	% Fixture	44.8	0.0	44.8
Total	Lumens	23224.0	0.0	23224.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3348.5	14.4
10°-20°	7076.9	30.5
20°-30°	6387.3	27.5
30°-40°	4226.9	18.2
40°-50°	1266.2	5.5
50°-60°	507.9	2.2
60°-70°	263.0	1.1
70°-80°	114.2	0.5
80°-90°	33.2	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°	23224.0	100.0
0°-180°	23224.0	100.0

Coefficient of Utilization



REPORT NUMBER: P636440

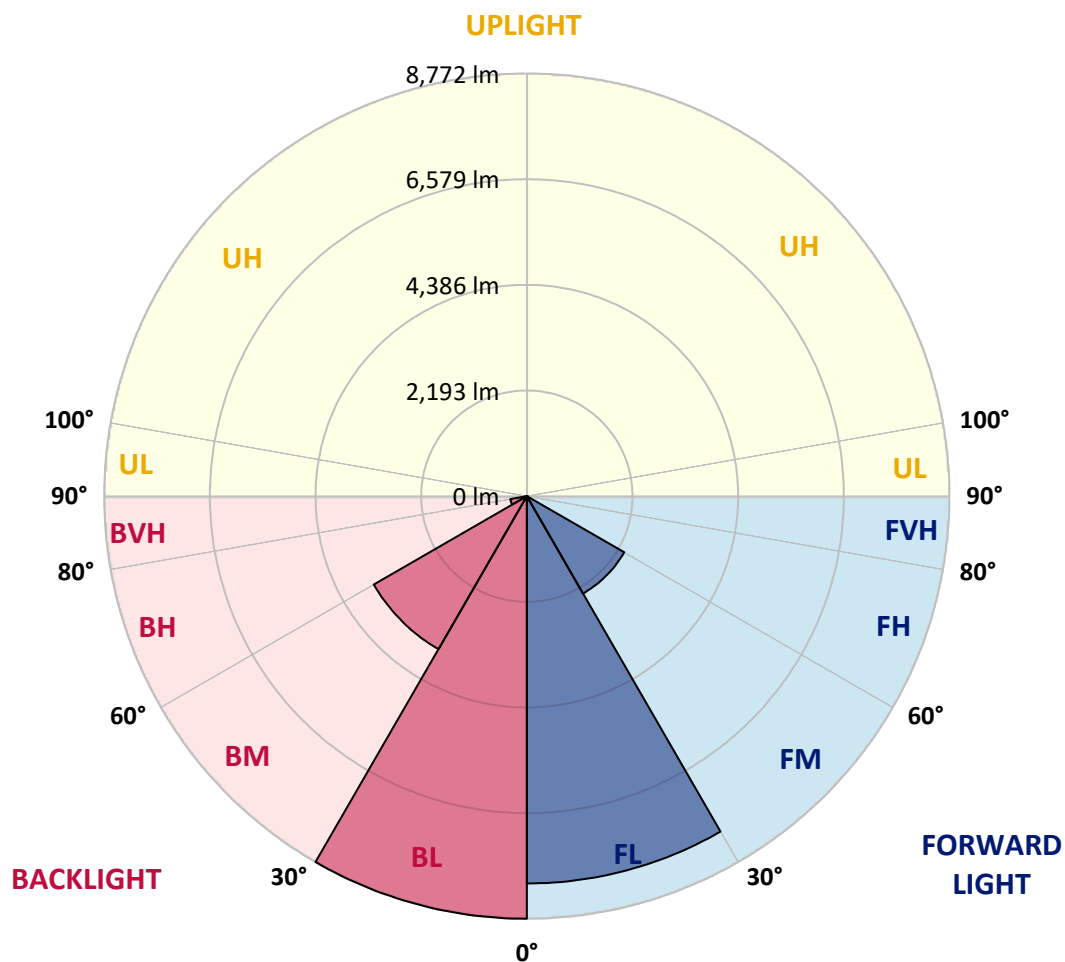
CATALOG NUMBER: IFLD-L-SA7C-927-U-55-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8040.3	34.6			
FM	(30°-60°)	2333.1	10.0			
FH	(60°-80°)	28.9	0.1			G0/660
FVH	(80°-90°)	4.8	0.0			G0/10
BL	(0°-30°)	8772.3	37.8	B5		
BM	(30°-60°)	3667.9	15.8	B3/5000		
BH	(60°-80°)	348.3	1.5	B1/500		G1/500
BVH	(80°-90°)	28.4	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 I Short



REPORT NUMBER: P636440

CATALOG NUMBER: IFLD-L-SA7C-927-U-55-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	37332.7	37332.7	37332.7	37332.7	37332.7	37332.7	37332.7	37332.7	37332.7	37332.7
2.5°	37380.2	37446.7	37114.2	37228.2	37275.7	37289.9	37408.7	37389.7	37422.9	37247.2
5°	36886.2	36758.0	36511.0	36515.7	36501.5	36368.5	36639.2	36620.2	36563.2	36354.2
7.5°	35204.8	35390.1	34924.6	34915.1	34905.6	34744.1	35100.3	34881.8	34929.3	34630.1
10°	32744.5	32768.2	32355.0	32317.0	32350.2	32141.3	32554.5	32469.0	32559.2	32245.7
12.5°	29728.4	29861.4	29405.4	29338.9	29471.9	29177.4	29509.9	29552.7	29419.7	29376.9
15°	23316.3	23667.8	24532.2	25852.6	26194.6	25947.6	26213.6	26208.9	26265.9	25942.9
17.5°	17763.9	17797.1	17592.9	18224.6	21881.9	23069.3	23126.3	22675.1	22333.1	22214.4
20°	15507.8	15621.8	15436.5	15488.8	16073.0	19554.5	19687.5	19008.3	18424.1	18376.6
22.5°	13712.4	13783.6	13650.7	13693.4	13721.9	14130.4	16443.5	15845.0	15564.8	15351.0
25°	12192.5	12192.5	12121.2	12135.5	12107.0	11503.8	12691.2	13375.2	13213.7	13137.7
27.5°	10805.6	10824.6	10734.3	10786.6	10439.9	9466.2	9323.7	11342.3	11171.3	11033.6
30°	9489.9	9551.7	9466.2	9494.7	8739.5	7941.5	7533.0	9461.4	9675.1	9637.2
32.5°	7143.6	7423.8	8112.5	8141.0	7115.1	6502.3	6321.9	7594.8	8407.0	8335.7
35°	4426.7	4412.5	4441.0	5808.9	5457.4	5039.4	5105.9	5737.6	6654.3	6621.1
37.5°	3377.0	3372.3	3424.5	3286.8	3576.5	3823.5	3875.8	3875.8	4858.9	4863.7
40°	2560.1	2541.1	2536.3	2317.9	1942.6	2868.8	2783.3	2712.1	3377.0	3448.3
42.5°	1633.9	1690.9	1648.1	1410.7	1268.2	1567.4	1747.9	1690.9	2085.1	2137.4
45°	911.9	911.9	873.9	741.0	736.2	793.2	997.4	930.9	1068.7	1139.9
47.5°	441.7	432.2	475.0	584.2	608.0	589.0	712.5	741.0	807.4	873.9
50°	356.2	356.2	337.2	304.0	503.5	484.5	527.2	565.2	603.2	660.2
52.5°	299.2	299.2	275.5	256.5	289.7	370.5	375.2	446.5	441.7	522.5
55°	152.0	156.7	223.2	223.2	194.7	304.0	308.7	361.0	370.5	437.0
57.5°	14.2	19.0	28.5	137.7	152.0	166.2	232.7	266.0	308.7	337.2
60°	4.7	4.7	9.5	19.0	90.2	114.0	147.2	175.7	213.7	280.2
62.5°	0.0	0.0	4.7	9.5	19.0	71.2	80.7	90.2	128.2	175.7
65°	0.0	0.0	4.7	4.7	9.5	23.7	33.2	57.0	80.7	109.2
67.5°	0.0	0.0	4.7	4.7	9.5	14.2	19.0	28.5	38.0	71.2
70°	0.0	0.0	4.7	4.7	9.5	14.2	14.2	19.0	23.7	33.2
72.5°	0.0	0.0	4.7	4.7	9.5	19.0	14.2	14.2	19.0	23.7
75°	0.0	0.0	4.7	4.7	9.5	14.2	14.2	14.2	14.2	14.2
77.5°	0.0	0.0	4.7	4.7	9.5	14.2	14.2	14.2	9.5	9.5
80°	0.0	0.0	4.7	4.7	9.5	14.2	19.0	19.0	9.5	9.5
82.5°	0.0	0.0	4.7	9.5	9.5	23.7	28.5	23.7	9.5	4.7
85°	0.0	0.0	4.7	4.7	14.2	23.7	23.7	14.2	9.5	4.7
87.5°	0.0	0.0	0.0	4.7	4.7	9.5	14.2	14.2	4.7	4.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P636440

CATALOG NUMBER: IFLD-L-SA7C-927-U-55-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
37332.7	0°	37332.7	37332.7	37332.7	37332.7	37332.7	37332.7	37332.7	37332.7	37332.7
37104.7	2.5°	37085.7	37375.4	37508.4	37370.7	37304.2	37209.2	37071.4	36976.5	36995.5
36240.2	5°	36159.5	36463.5	36568.0	36449.2	36349.5	36297.2	36273.5	36321.0	36444.5
34501.9	7.5°	34492.4	34687.1	34801.1	34744.1	34606.3	34763.1	34805.8	34777.3	34957.8
32150.8	10°	32160.3	32374.0	32269.5	32293.2	32131.8	32212.5	32188.7	32293.2	32473.7
29343.7	12.5°	29153.7	29357.9	29277.2	29262.9	29091.9	29243.9	29148.9	29262.9	29500.4
25809.9	15°	25995.1	26123.4	26071.1	25990.4	25838.4	25890.6	26185.1	26166.1	26270.6
22143.1	17.5°	22048.1	22665.6	23002.8	23074.1	22950.6	23055.1	23264.1	23211.8	23449.3
18276.9	20°	18243.6	18865.8	19697.0	20371.5	20385.7	20400.0	20533.0	20566.2	20770.5
15355.8	22.5°	15289.3	15731.0	16624.0	17516.9	18134.4	18262.6	18248.4	18295.9	18352.9
13033.2	25°	12999.9	13322.9	14139.9	14757.3	15840.3	16201.2	16305.7	16201.2	16234.5
10986.1	27.5°	11109.6	11603.5	11874.3	12534.5	13593.7	14429.6	14396.4	14334.6	14344.1
9561.2	30°	9556.4	10088.4	10487.3	10686.8	11484.8	12691.2	12814.7	12639.0	12643.7
8302.5	32.5°	8250.2	8416.5	9005.4	9166.9	9679.9	10777.1	11199.8	11066.8	11043.1
6640.1	35°	6834.8	6925.1	7195.8	7514.0	7818.0	8649.2	9347.4	9223.9	9285.7
4882.7	37.5°	4863.7	5234.2	5495.4	5756.6	5975.1	6497.6	7338.3	7224.3	7286.0
3457.8	40°	3429.3	3595.5	4046.7	4160.7	4483.7	4726.0	5438.4	5400.4	5476.4
2146.9	42.5°	2108.9	2227.6	2455.6	2564.8	2783.3	2921.1	3339.0	3386.5	3486.3
1187.4	45°	1196.9	1249.2	1405.9	1524.7	1686.1	1743.1	1890.4	1956.9	2013.9
921.4	47.5°	911.9	968.9	1073.4	1177.9	1310.9	1358.4	1462.9	1562.7	1614.9
712.5	50°	745.7	798.0	907.2	992.7	1125.7	1168.4	1253.9	1363.2	1429.7
541.5	52.5°	565.2	641.2	774.2	864.4	1002.2	1054.4	1135.2	1244.4	1306.2
446.5	55°	465.5	522.5	641.2	764.7	892.9	964.2	1016.4	1149.4	1215.9
365.7	57.5°	399.0	441.7	517.7	665.0	774.2	878.7	921.4	1044.9	1111.4
289.7	60°	304.0	370.5	437.0	551.0	674.5	783.7	831.2	940.4	992.7
209.0	62.5°	251.7	294.5	380.0	441.7	579.5	693.5	741.0	840.7	878.7
137.7	65°	175.7	237.5	318.2	356.2	484.5	593.7	660.2	736.2	774.2
80.7	67.5°	104.5	175.7	251.7	304.0	394.2	503.5	574.7	646.0	679.2
47.5	70°	66.5	137.7	199.5	256.5	308.7	413.2	498.7	560.5	546.2
28.5	72.5°	38.0	85.5	147.2	209.0	256.5	346.7	427.5	475.0	337.2
19.0	75°	23.7	61.7	123.5	171.0	209.0	275.5	351.5	361.0	209.0
9.5	77.5°	19.0	47.5	95.0	137.7	142.5	204.2	247.0	280.2	156.7
9.5	80°	9.5	38.0	80.7	114.0	90.2	142.5	190.0	218.5	123.5
4.7	82.5°	9.5	23.7	61.7	80.7	66.5	109.2	137.7	156.7	104.5
4.7	85°	4.7	19.0	33.2	47.5	47.5	71.2	61.7	76.0	66.5
4.7	87.5°	4.7	9.5	19.0	23.7	19.0	28.5	33.2	33.2	28.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
37332.7
37251.9
36701.0
35138.3
32545.0
29543.2
26294.4
23411.3
20727.7
18248.4
16182.2
14358.4
12648.5
11100.1
9342.7
7338.3
5504.9
3600.3
2009.1
1638.6
1458.2
1348.9
1234.9
1139.9
1002.2
883.4
774.2
674.5
503.5
299.2
194.7
156.7
128.2
114.0
66.5
23.7
0.0

(END OF REPORT)