

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: P637555

Luminaire Tested: **IFLD-S-SA3B-727-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637555
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-727-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (48) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13367.2 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 122.4
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



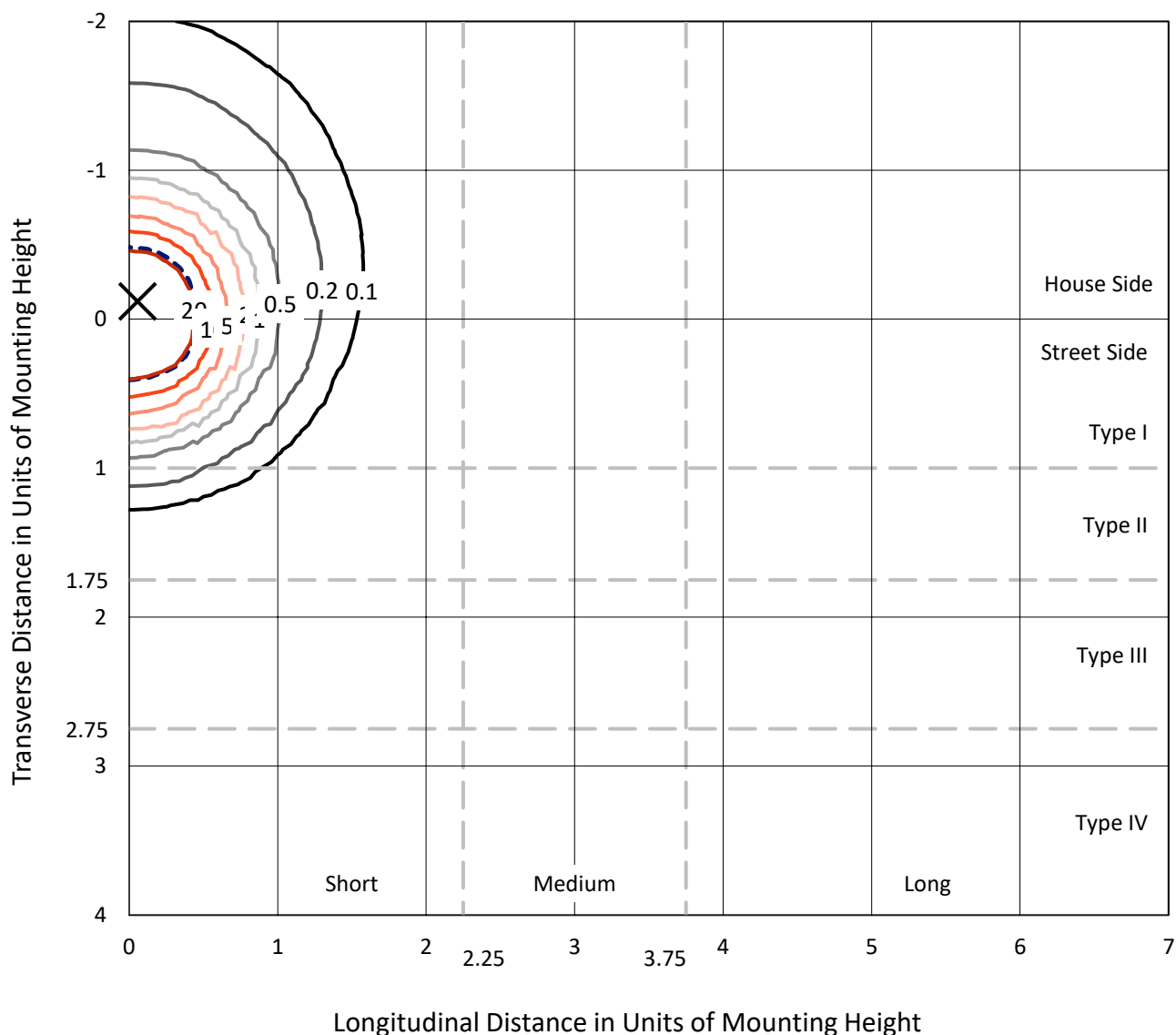
REPORT NUMBER: P637555

CATALOG NUMBER: IFLD-S-SA3B-727-U-55-VI

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

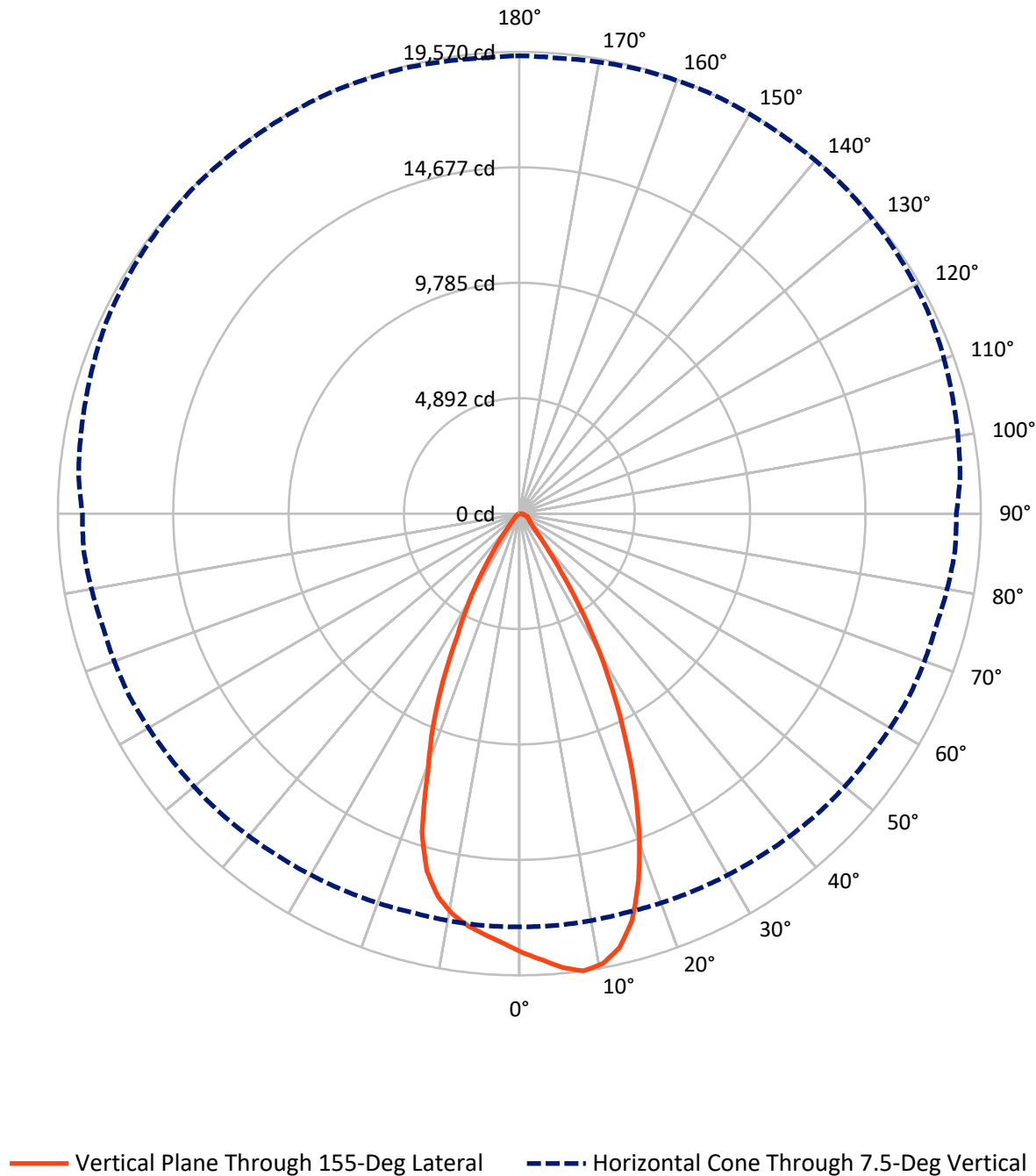


Based on 20 foot mounting height. Maximum calculated value = 47.3 fc

Type I - Short - N/A

REPORT NUMBER: P637555
CATALOG NUMBER: IFLD-S-SA3B-727-U-55-VI

Luminous Intensity Polar Plot



REPORT NUMBER: P637555

CATALOG NUMBER: IFLD-S-SA3B-727-U-55-VI

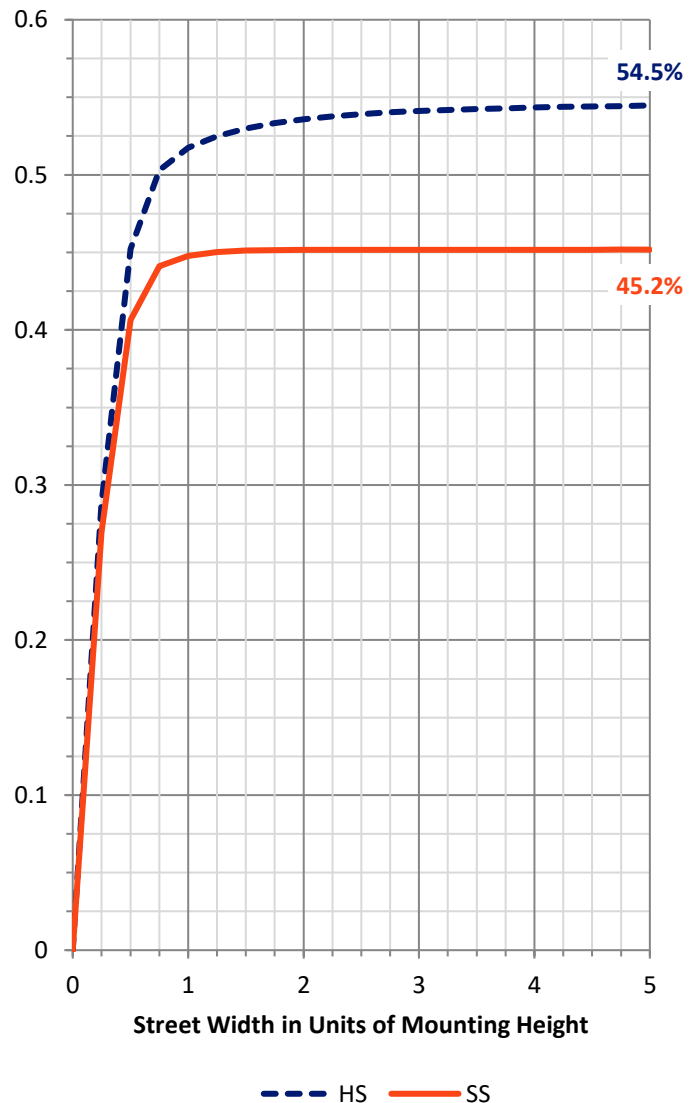
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7379.2	0.0	7379.2
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	5988.0	0.0	5988.0
	% Fixture	44.8	0.0	44.8
Total	Lumens	13367.2	0.0	13367.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1775.7	13.3
10°-20°	4604.4	34.4
20°-30°	4218.9	31.6
30°-40°	1704.4	12.8
40°-50°	500.0	3.7
50°-60°	279.6	2.1
60°-70°	169.8	1.3
70°-80°	86.3	0.6
80°-90°	28.2	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°	13367.2	100.0
0°-180°	13367.2	100.0

Coefficient of Utilization



REPORT NUMBER: P637555

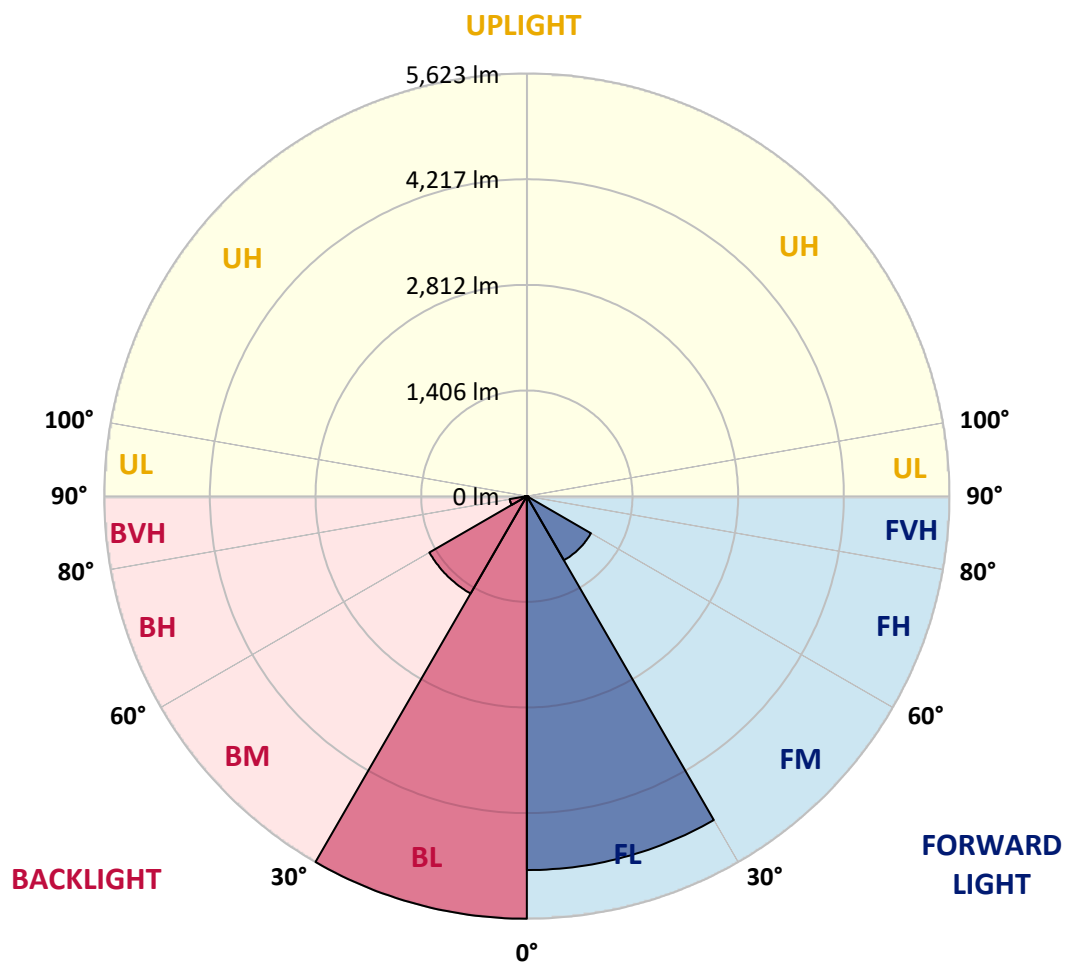
CATALOG NUMBER: IFLD-S-SA3B-727-U-55-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4975.6	37.2			
FM	(30°-60°)	986.1	7.4			
FH	(60°-80°)	23.9	0.2			G0/660
FVH	(80°-90°)	2.4	0.0			G0/10
BL	(0°-30°)	5623.3	42.1	B5		
BM	(30°-60°)	1497.9	11.2	B2/2500		
BH	(60°-80°)	232.2	1.7	B1/500		G1/500
BVH	(80°-90°)	25.8	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: P637555

CATALOG NUMBER: IFLD-S-SA3B-727-U-55-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	18621.5	18621.5	18621.5	18621.5	18621.5	18621.5	18621.5	18621.5	18621.5	18621.5
2.5°	18217.7	18279.3	18156.0	18237.7	18300.9	18452.0	18464.3	18516.7	18535.2	18672.4
5°	17872.4	17920.2	17820.0	17929.4	18018.8	18152.9	18256.2	18401.1	18481.2	18643.1
7.5°	17513.3	17524.0	17504.0	17619.6	17753.7	17938.7	18066.6	18256.2	18305.5	18536.7
10°	17078.6	17000.0	17038.5	17208.1	17408.4	17692.1	17779.9	17969.5	18057.4	18293.2
12.5°	16385.0	16425.0	16377.2	16593.0	16759.5	17081.7	17174.1	17365.3	17533.3	17741.4
15°	15407.7	15384.6	15481.7	15649.7	15830.1	16085.9	16235.4	16443.5	16571.5	16787.3
17.5°	13211.2	13289.8	13690.6	14111.4	14481.3	14780.4	14959.2	15131.8	15224.3	15458.6
20°	11409.4	11310.7	11364.7	11602.0	12654.8	13112.6	13300.6	13342.3	13380.8	13565.8
22.5°	9394.8	9362.4	9542.7	9809.4	10059.1	11114.9	11370.8	11273.7	11353.9	11528.0
25°	6976.3	7139.7	7300.0	7811.8	8135.4	8653.4	9138.9	9182.0	9211.3	9320.8
27.5°	5678.5	5621.4	5618.4	5761.7	6239.5	6671.1	7084.2	7179.8	7162.8	7267.6
30°	4463.9	4445.4	4380.6	4414.5	4366.8	4750.6	4944.8	5337.8	5316.2	5319.3
32.5°	3220.0	3150.6	3124.4	3175.3	3125.9	3090.5	3260.0	3704.0	3696.2	3727.1
35°	1948.3	1939.1	1960.6	2005.3	1906.7	1903.6	1939.1	2356.8	2407.6	2457.0
37.5°	1075.9	1066.6	1083.6	1248.5	1216.2	1186.9	1196.1	1416.5	1563.0	1600.0
40°	709.0	707.5	719.8	749.1	804.6	793.8	798.4	897.1	1035.8	1068.2
42.5°	474.7	476.3	484.0	517.9	525.6	581.1	571.9	595.0	724.5	752.2
45°	379.2	377.6	382.3	366.9	376.1	433.1	439.3	440.8	551.8	568.8
47.5°	299.0	299.0	303.7	283.6	279.0	314.4	346.8	351.4	440.8	464.0
50°	209.6	209.6	232.7	223.5	234.3	245.1	280.5	285.2	360.7	385.3
52.5°	154.1	157.2	160.3	161.8	197.3	195.8	226.6	248.2	272.8	316.0
55°	117.1	120.2	112.5	120.2	146.4	163.4	169.6	200.4	217.3	265.1
57.5°	77.1	84.8	78.6	92.5	98.6	126.4	135.6	164.9	175.7	217.3
60°	10.8	12.3	20.0	64.7	69.4	83.2	104.8	131.0	141.8	177.3
62.5°	1.5	1.5	4.6	10.8	46.2	55.5	78.6	90.9	104.8	132.6
65°	0.0	0.0	1.5	3.1	9.2	32.4	40.1	49.3	72.4	95.6
67.5°	0.0	0.0	1.5	3.1	4.6	10.8	17.0	32.4	41.6	66.3
70°	0.0	0.0	1.5	3.1	4.6	6.2	9.2	12.3	24.7	38.5
72.5°	0.0	0.0	1.5	3.1	4.6	6.2	7.7	9.2	10.8	24.7
75°	0.0	0.0	1.5	3.1	4.6	7.7	9.2	9.2	9.2	10.8
77.5°	0.0	0.0	1.5	3.1	6.2	9.2	10.8	9.2	7.7	7.7
80°	0.0	0.0	1.5	4.6	7.7	10.8	12.3	9.2	6.2	4.6
82.5°	0.0	0.0	1.5	4.6	7.7	10.8	12.3	10.8	6.2	4.6
85°	0.0	0.0	1.5	4.6	6.2	7.7	12.3	10.8	6.2	3.1
87.5°	0.0	0.0	0.0	1.5	1.5	3.1	6.2	4.6	3.1	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P637555

CATALOG NUMBER: IFLD-S-SA3B-727-U-55-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
18621.5	0°	18621.5	18621.5	18621.5	18621.5	18621.5	18621.5	18621.5	18621.5	18621.5
18669.3	2.5°	18808.0	18877.4	18999.2	19033.1	19137.9	19017.6	18951.4	18957.5	18814.2
18623.1	5°	18808.0	18966.8	19179.5	19281.2	19358.3	19352.1	19335.2	19292.0	19187.2
18530.6	7.5°	18758.7	19017.6	19310.5	19446.2	19538.6	19530.9	19569.5	19500.1	19372.2
18365.6	10°	18599.9	18825.0	19185.7	19296.6	19446.2	19449.2	19401.5	19415.3	19187.2
17763.0	12.5°	18100.5	18276.2	18592.2	18718.6	18900.5	18929.8	18877.4	18857.3	18641.5
16774.9	15°	17134.1	17235.8	17553.3	17679.7	17860.1	17835.4	17887.8	17866.2	17676.6
15440.1	17.5°	15720.6	15753.0	16085.9	16192.3	16361.8	16428.1	16349.5	16449.7	16286.3
13598.1	20°	13693.7	13867.9	14242.4	14405.8	14504.5	14623.1	14519.9	14632.4	14441.3
11363.1	22.5°	11637.5	11740.8	12079.9	12315.7	12499.1	12522.2	12483.7	12562.3	12304.9
9393.2	25°	9391.7	9562.8	9831.0	10139.3	10319.6	10430.6	10330.4	10381.2	10339.6
7284.6	27.5°	7407.9	7560.5	7762.4	7992.1	8263.4	8408.3	8328.1	8414.4	8211.0
5431.9	30°	5436.5	5513.5	5741.7	5985.2	6282.7	6458.4	6466.1	6554.0	6433.8
3805.7	32.5°	3833.4	3901.3	4041.5	4203.4	4487.0	4682.7	4651.9	4664.2	4590.3
2480.1	35°	2492.4	2583.4	2683.6	2760.6	2931.7	3147.5	3130.6	3115.1	3064.3
1630.8	37.5°	1666.2	1701.7	1757.2	1826.5	1937.5	2073.2	2117.9	2062.4	2040.8
1100.6	40°	1126.8	1188.4	1225.4	1277.8	1330.2	1444.3	1475.1	1464.3	1442.7
770.7	42.5°	800.0	847.8	894.0	944.9	972.6	1043.5	1103.6	1086.7	1077.4
585.7	45°	607.3	650.5	704.4	742.9	770.7	812.3	869.3	875.5	861.6
470.1	47.5°	487.1	525.6	568.8	616.6	648.9	675.1	724.5	742.9	733.7
396.1	50°	413.1	442.4	484.0	531.8	567.2	590.4	633.5	653.5	647.4
331.4	52.5°	351.4	386.9	425.4	465.5	508.7	531.8	571.9	601.1	596.5
274.4	55°	291.3	337.6	377.6	417.7	467.0	490.2	525.6	564.1	556.4
232.7	57.5°	254.3	292.9	334.5	373.0	425.4	456.3	488.6	528.7	527.2
191.1	60°	212.7	251.2	297.5	329.9	385.3	428.5	457.8	499.4	502.5
144.9	62.5°	169.6	217.3	252.8	297.5	348.4	399.2	427.0	468.6	484.0
111.0	65°	126.4	178.8	218.9	263.6	311.4	368.4	393.1	434.7	450.1
80.2	67.5°	94.0	134.1	185.0	223.5	277.4	326.8	356.1	394.6	405.4
47.8	70°	70.9	103.3	154.1	188.0	243.5	283.6	312.9	342.2	356.1
32.4	72.5°	41.6	77.1	121.8	161.8	209.6	243.5	265.1	288.2	297.5
15.4	75°	29.3	58.6	95.6	134.1	169.6	197.3	217.3	237.4	246.6
7.7	77.5°	15.4	43.2	75.5	107.9	132.6	155.7	175.7	191.1	197.3
6.2	80°	9.2	30.8	61.7	84.8	101.7	121.8	141.8	152.6	151.1
4.6	82.5°	6.2	24.7	44.7	61.7	74.0	89.4	103.3	111.0	111.0
3.1	85°	4.6	17.0	30.8	47.8	49.3	61.7	64.7	72.4	74.0
3.1	87.5°	3.1	10.8	17.0	27.7	26.2	32.4	33.9	38.5	41.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
18621.5
18698.6
19221.1
19401.5
19120.9
18592.2
17736.8
16246.2
14425.9
12269.4
10313.4
8263.4
6455.3
4631.9
3019.6
2036.2
1445.8
1069.7
860.1
729.1
645.8
593.4
556.4
525.6
502.5
482.5
448.5
405.4
353.0
294.4
243.5
195.8
149.5
109.4
72.4
40.1
0.0

(END OF REPORT)