

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: P637527

Luminaire Tested: **IFLD-S-SA3C-722-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637527
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-722-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (48) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14656.2 lumens
Efficiency: N/A
Efficacy: 91.1 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): 160.8
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

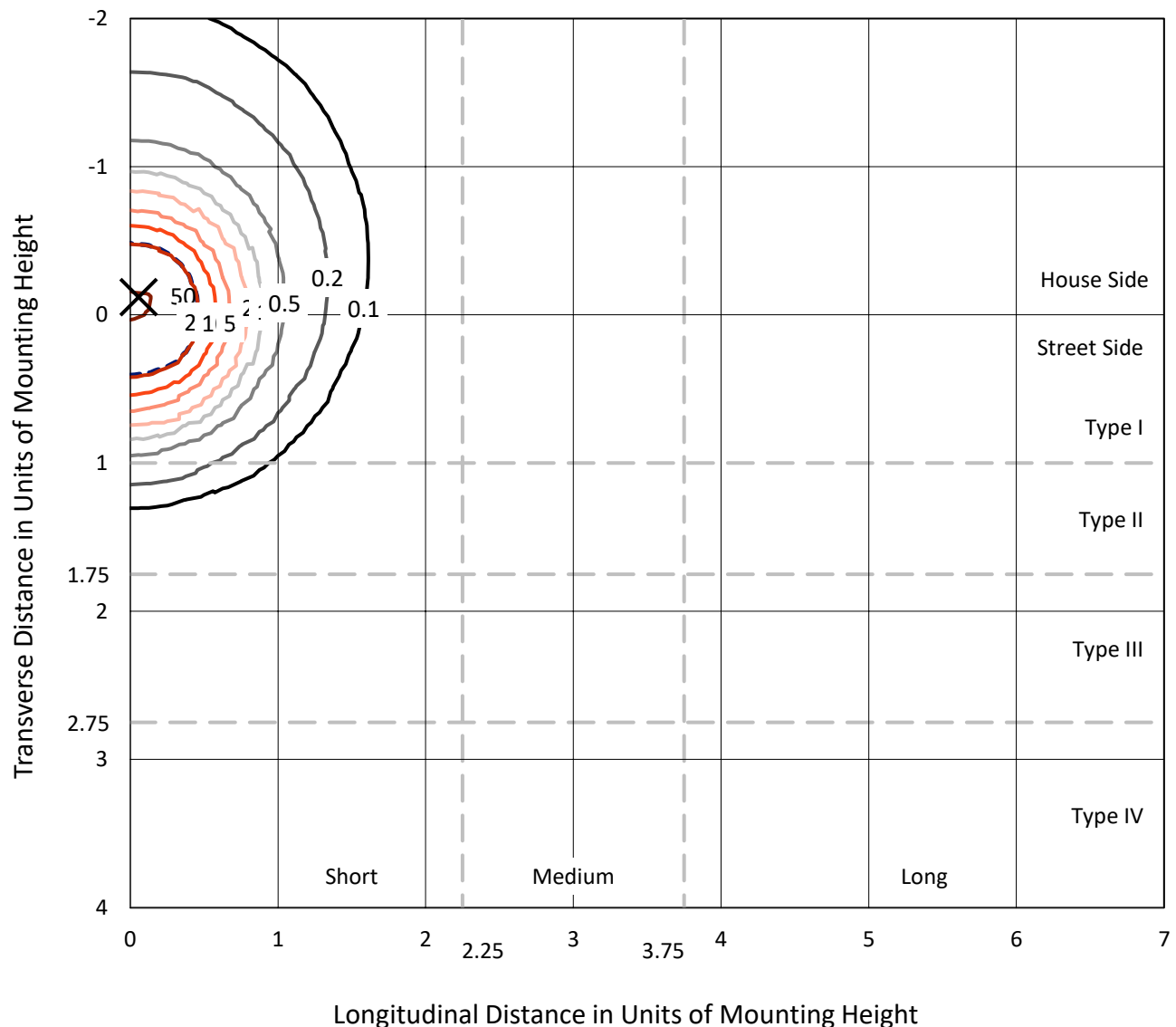


REPORT NUMBER: P637527

CATALOG NUMBER: IFLD-S-SA3C-722-U-55-VI

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



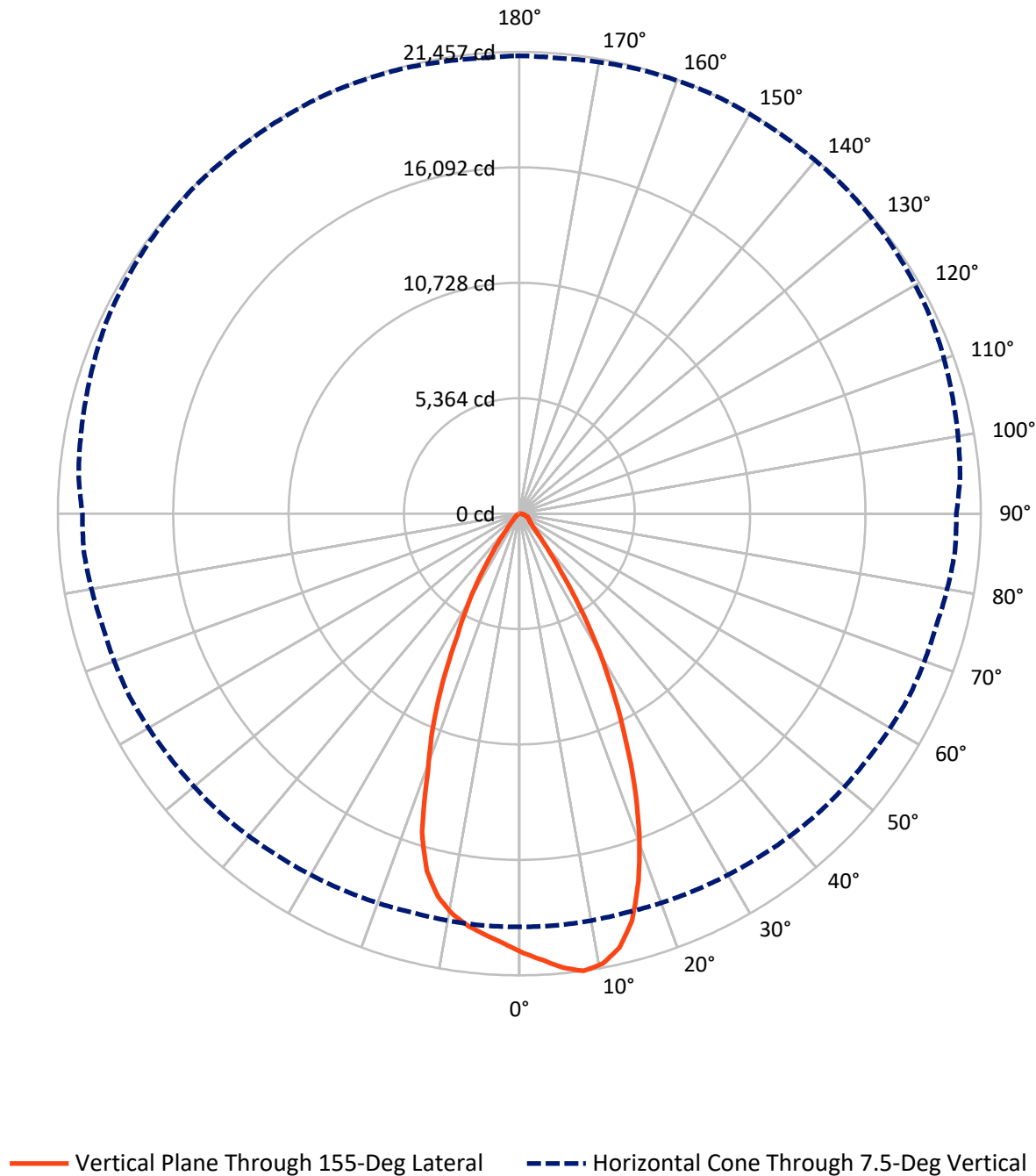
Based on 20 foot mounting height. Maximum calculated value = 51.9 fc

Type I - Short - N/A

REPORT NUMBER: P637527

CATALOG NUMBER: IFLD-S-SA3C-722-U-55-VI

Luminous Intensity Polar Plot



REPORT NUMBER: P637527

CATALOG NUMBER: IFLD-S-SA3C-722-U-55-VI

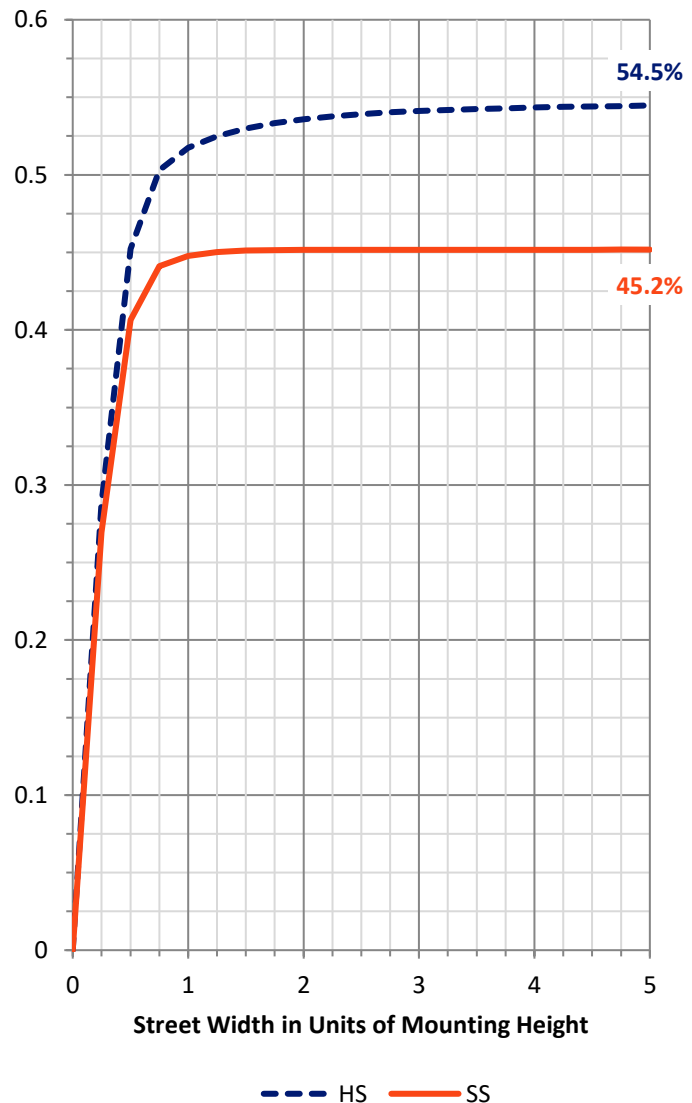
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8090.8	0.0	8090.8
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	6565.5	0.0	6565.5
	% Fixture	44.8	0.0	44.8
Total	Lumens	14656.2	0.0	14656.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1946.9	13.3
10°-20°	5048.4	34.4
20°-30°	4625.7	31.6
30°-40°	1868.8	12.8
40°-50°	548.2	3.7
50°-60°	306.5	2.1
60°-70°	186.2	1.3
70°-80°	94.6	0.6
80°-90°	30.9	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°	14656.2	100.0
0°-180°	14656.2	100.0

Coefficient of Utilization



REPORT NUMBER: P637527

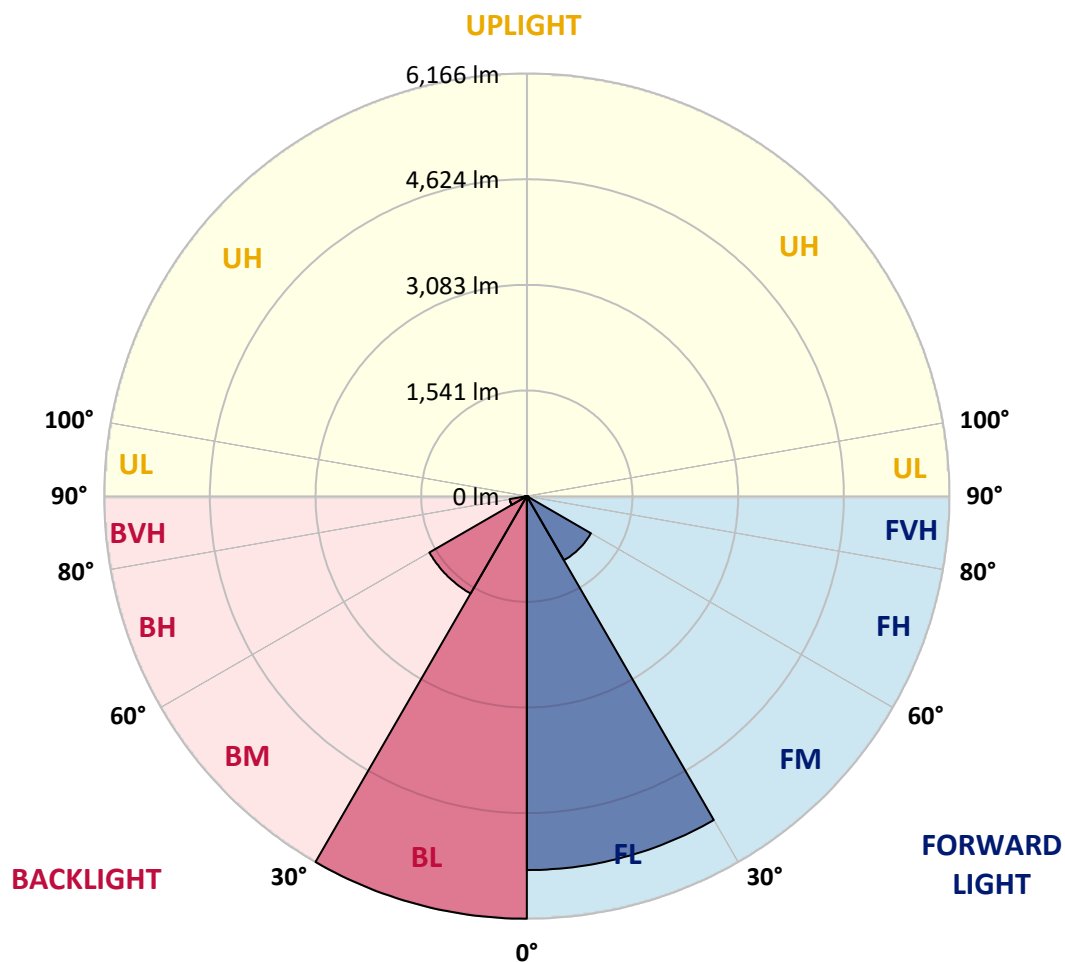
CATALOG NUMBER: IFLD-S-SA3C-722-U-55-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5455.4	37.2			
FM	(30°-60°)	1081.2	7.4			
FH	(60°-80°)	26.2	0.2			G0/660
FVH	(80°-90°)	2.7	0.0			G0/10
BL	(0°-30°)	6165.6	42.1	B5		
BM	(30°-60°)	1642.4	11.2	B2/2500		
BH	(60°-80°)	254.6	1.7	B1/500		G1/500
BVH	(80°-90°)	28.3	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: P637527

CATALOG NUMBER: IFLD-S-SA3C-722-U-55-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	20417.2	20417.2	20417.2	20417.2	20417.2	20417.2	20417.2	20417.2	20417.2	20417.2
2.5°	19974.5	20042.1	19906.9	19996.4	20065.7	20231.3	20244.9	20302.3	20322.6	20473.0
5°	19595.9	19648.3	19538.4	19658.4	19756.4	19903.5	20016.7	20175.6	20263.4	20440.9
7.5°	19202.1	19213.9	19192.0	19318.7	19465.8	19668.6	19808.8	20016.7	20070.8	20324.3
10°	18725.5	18639.3	18681.6	18867.5	19087.2	19398.2	19494.5	19702.4	19798.7	20057.3
12.5°	17965.0	18008.9	17956.6	18193.2	18375.7	18728.9	18830.3	19039.9	19224.1	19452.2
15°	16893.5	16868.2	16974.7	17158.9	17356.6	17637.1	17801.1	18029.2	18169.5	18406.1
17.5°	14485.2	14571.4	15010.8	15472.2	15877.8	16205.7	16401.7	16591.0	16692.4	16949.3
20°	12509.6	12401.4	12460.6	12720.8	13875.1	14377.1	14583.3	14628.9	14671.1	14873.9
22.5°	10300.7	10265.2	10463.0	10755.3	11029.1	12186.8	12467.3	12360.9	12448.8	12639.7
25°	7649.1	7828.2	8004.0	8565.1	8920.0	9487.8	10020.2	10067.5	10099.6	10219.6
27.5°	6226.1	6163.5	6160.2	6317.3	6841.2	7314.4	7767.4	7872.2	7853.6	7968.5
30°	4894.3	4874.0	4803.1	4840.2	4787.9	5208.7	5421.6	5852.6	5828.9	5832.3
32.5°	3530.5	3454.4	3425.7	3481.5	3427.4	3388.5	3574.4	4061.1	4052.7	4086.5
35°	2136.2	2126.1	2149.7	2198.7	2090.6	2087.2	2126.1	2584.1	2639.8	2693.9
37.5°	1179.6	1169.5	1188.1	1368.9	1333.4	1301.3	1311.5	1553.1	1713.7	1754.3
40°	777.4	775.7	789.2	821.4	882.2	870.4	875.4	983.6	1135.7	1171.2
42.5°	520.5	522.2	530.7	567.8	576.3	637.1	627.0	652.4	794.3	824.7
45°	415.7	414.1	419.1	402.2	412.4	474.9	481.7	483.3	605.0	623.6
47.5°	327.9	327.9	332.9	311.0	305.9	344.8	380.3	385.3	483.3	508.7
50°	229.8	229.8	255.2	245.1	256.9	268.7	307.6	312.7	395.5	422.5
52.5°	169.0	172.4	175.8	177.5	216.3	214.6	248.4	272.1	299.1	346.5
55°	128.4	131.8	123.4	131.8	160.6	179.1	185.9	219.7	238.3	290.7
57.5°	84.5	93.0	86.2	101.4	108.2	138.6	148.7	180.8	192.7	238.3
60°	11.8	13.5	22.0	71.0	76.1	91.3	114.9	143.7	155.5	194.4
62.5°	1.7	1.7	5.1	11.8	50.7	60.8	86.2	99.7	114.9	145.3
65°	0.0	0.0	1.7	3.4	10.1	35.5	43.9	54.1	79.4	104.8
67.5°	0.0	0.0	1.7	3.4	5.1	11.8	18.6	35.5	45.6	72.7
70°	0.0	0.0	1.7	3.4	5.1	6.8	10.1	13.5	27.0	42.3
72.5°	0.0	0.0	1.7	3.4	5.1	6.8	8.5	10.1	11.8	27.0
75°	0.0	0.0	1.7	3.4	5.1	8.5	10.1	10.1	10.1	11.8
77.5°	0.0	0.0	1.7	3.4	6.8	10.1	11.8	10.1	8.5	8.5
80°	0.0	0.0	1.7	5.1	8.5	11.8	13.5	10.1	6.8	5.1
82.5°	0.0	0.0	1.7	5.1	8.5	11.8	13.5	11.8	6.8	5.1
85°	0.0	0.0	1.7	5.1	6.8	8.5	13.5	11.8	6.8	3.4
87.5°	0.0	0.0	0.0	1.7	1.7	3.4	6.8	5.1	3.4	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P637527

CATALOG NUMBER: IFLD-S-SA3C-722-U-55-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
20417.2	0°	20417.2	20417.2	20417.2	20417.2	20417.2	20417.2	20417.2	20417.2	20417.2
20469.6	2.5°	20621.7	20697.8	20831.3	20868.5	20983.4	20851.6	20778.9	20785.7	20628.5
20418.9	5°	20621.7	20795.8	21029.0	21140.6	21225.1	21218.3	21199.7	21152.4	21037.5
20317.5	7.5°	20567.7	20851.6	21172.7	21321.4	21422.8	21414.4	21456.6	21380.6	21240.3
20136.7	10°	20393.6	20640.3	21035.8	21157.5	21321.4	21324.8	21272.4	21287.6	21037.5
19475.9	12.5°	19846.0	20038.7	20385.1	20523.7	20723.1	20755.2	20697.8	20675.8	20439.2
18392.6	15°	18786.4	18897.9	19246.1	19384.6	19582.4	19555.3	19612.8	19589.1	19381.3
16929.0	17.5°	17236.6	17272.1	17637.1	17753.8	17939.7	18012.3	17926.1	18036.0	17856.8
14909.4	20°	15014.2	15205.2	15615.9	15795.0	15903.2	16033.3	15920.1	16043.4	15833.9
12458.9	22.5°	12759.7	12873.0	13244.8	13503.3	13704.4	13729.8	13687.5	13773.7	13491.5
10299.0	25°	10297.3	10484.9	10779.0	11117.0	11314.7	11436.4	11326.6	11382.3	11336.7
7987.1	27.5°	8122.3	8289.6	8511.0	8762.8	9060.2	9219.1	9131.2	9225.9	9002.8
5955.7	30°	5960.7	6045.2	6295.4	6562.4	6888.6	7081.2	7089.7	7186.0	7054.2
4172.7	32.5°	4203.1	4277.5	4431.3	4608.7	4919.7	5134.3	5100.5	5114.0	5032.9
2719.3	35°	2732.8	2832.5	2942.3	3026.8	3214.4	3451.0	3432.4	3415.5	3359.8
1788.1	37.5°	1826.9	1865.8	1926.6	2002.7	2124.4	2273.1	2322.1	2261.3	2237.6
1206.7	40°	1235.4	1303.0	1343.6	1401.0	1458.5	1583.6	1617.4	1605.5	1581.9
845.0	42.5°	877.1	929.5	980.2	1036.0	1066.4	1144.1	1210.1	1191.5	1181.3
642.2	45°	665.9	713.2	772.3	814.6	845.0	890.6	953.2	959.9	944.7
515.5	47.5°	534.0	576.3	623.6	676.0	711.5	740.2	794.3	814.6	804.5
434.3	50°	452.9	485.0	530.7	583.1	621.9	647.3	694.6	716.6	709.8
363.4	52.5°	385.3	424.2	466.4	510.4	557.7	583.1	627.0	659.1	654.0
300.8	55°	319.4	370.1	414.1	458.0	512.1	537.4	576.3	618.6	610.1
255.2	57.5°	278.9	321.1	366.7	409.0	466.4	500.2	535.7	579.7	578.0
209.6	60°	233.2	275.5	326.2	361.7	422.5	469.8	501.9	547.6	550.9
158.9	62.5°	185.9	238.3	277.2	326.2	381.9	437.7	468.1	513.8	530.7
121.7	65°	138.6	196.0	240.0	289.0	341.4	403.9	431.0	476.6	493.5
87.9	67.5°	103.1	147.0	202.8	245.1	304.2	358.3	390.4	432.6	444.5
52.4	70°	77.7	113.2	169.0	206.2	267.0	311.0	343.1	375.2	390.4
35.5	72.5°	45.6	84.5	133.5	177.5	229.8	267.0	290.7	316.0	326.2
16.9	75°	32.1	64.2	104.8	147.0	185.9	216.3	238.3	260.3	270.4
8.5	77.5°	16.9	47.3	82.8	118.3	145.3	170.7	192.7	209.6	216.3
6.8	80°	10.1	33.8	67.6	93.0	111.5	133.5	155.5	167.3	165.6
5.1	82.5°	6.8	27.0	49.0	67.6	81.1	98.0	113.2	121.7	121.7
3.4	85°	5.1	18.6	33.8	52.4	54.1	67.6	71.0	79.4	81.1
3.4	87.5°	3.4	11.8	18.6	30.4	28.7	35.5	37.2	42.3	45.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
20417.2
20501.7
21074.7
21272.4
20964.8
20385.1
19447.2
17812.9
15817.0
13452.6
11308.0
9060.2
7077.8
5078.5
3310.8
2232.5
1585.2
1172.9
943.0
799.4
708.1
650.7
610.1
576.3
550.9
529.0
491.8
444.5
387.0
322.8
267.0
214.6
163.9
120.0
79.4
43.9
0.0

(END OF REPORT)