

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: P637584

Luminaire Tested: **IFLD-S-SA3B-730-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637584
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-730-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14554.8 lumens
Efficiency: N/A
Efficacy: 118.9 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



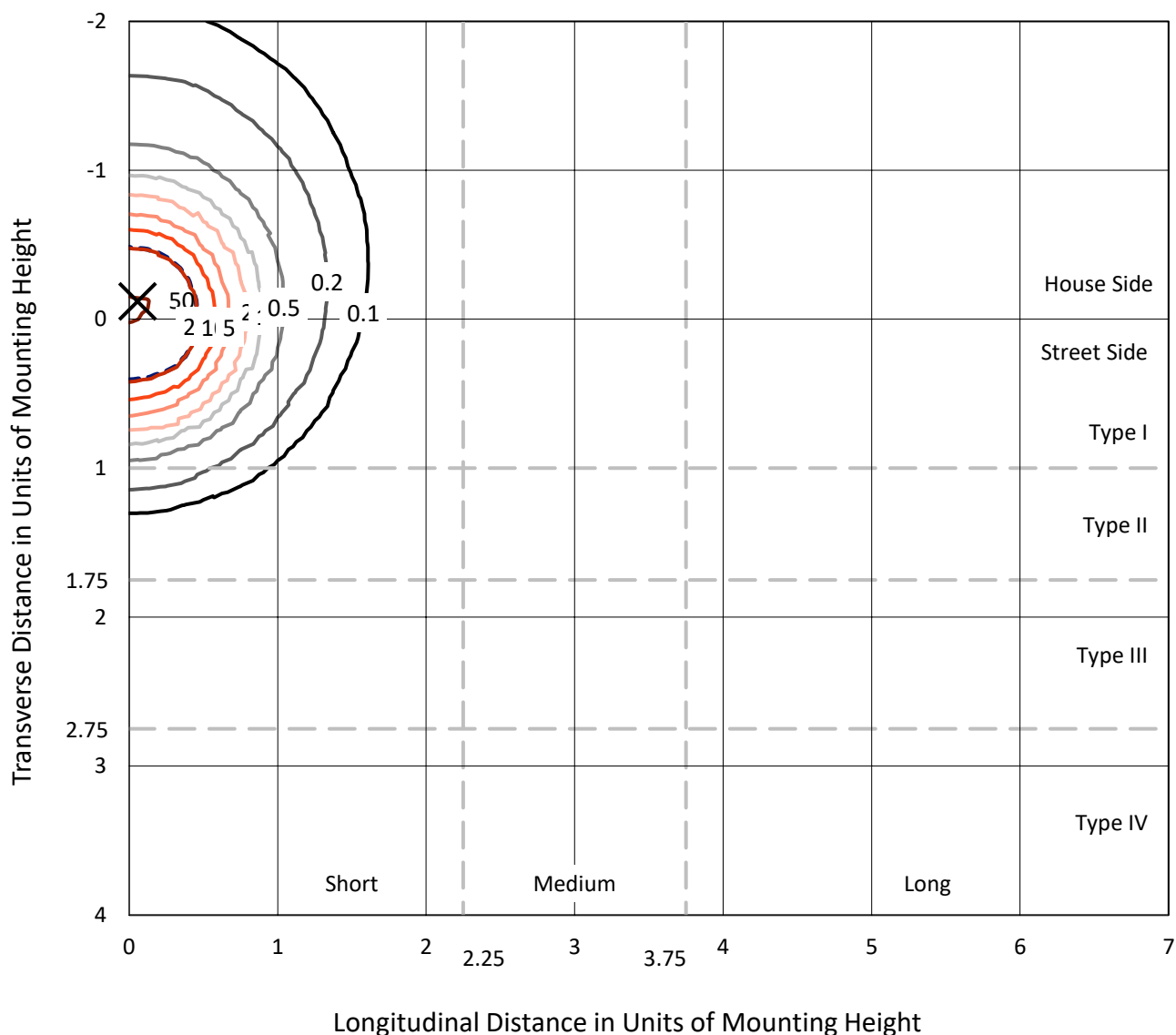
REPORT NUMBER: P637584

CATALOG NUMBER: IFLD-S-SA3B-730-U-55-VI

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



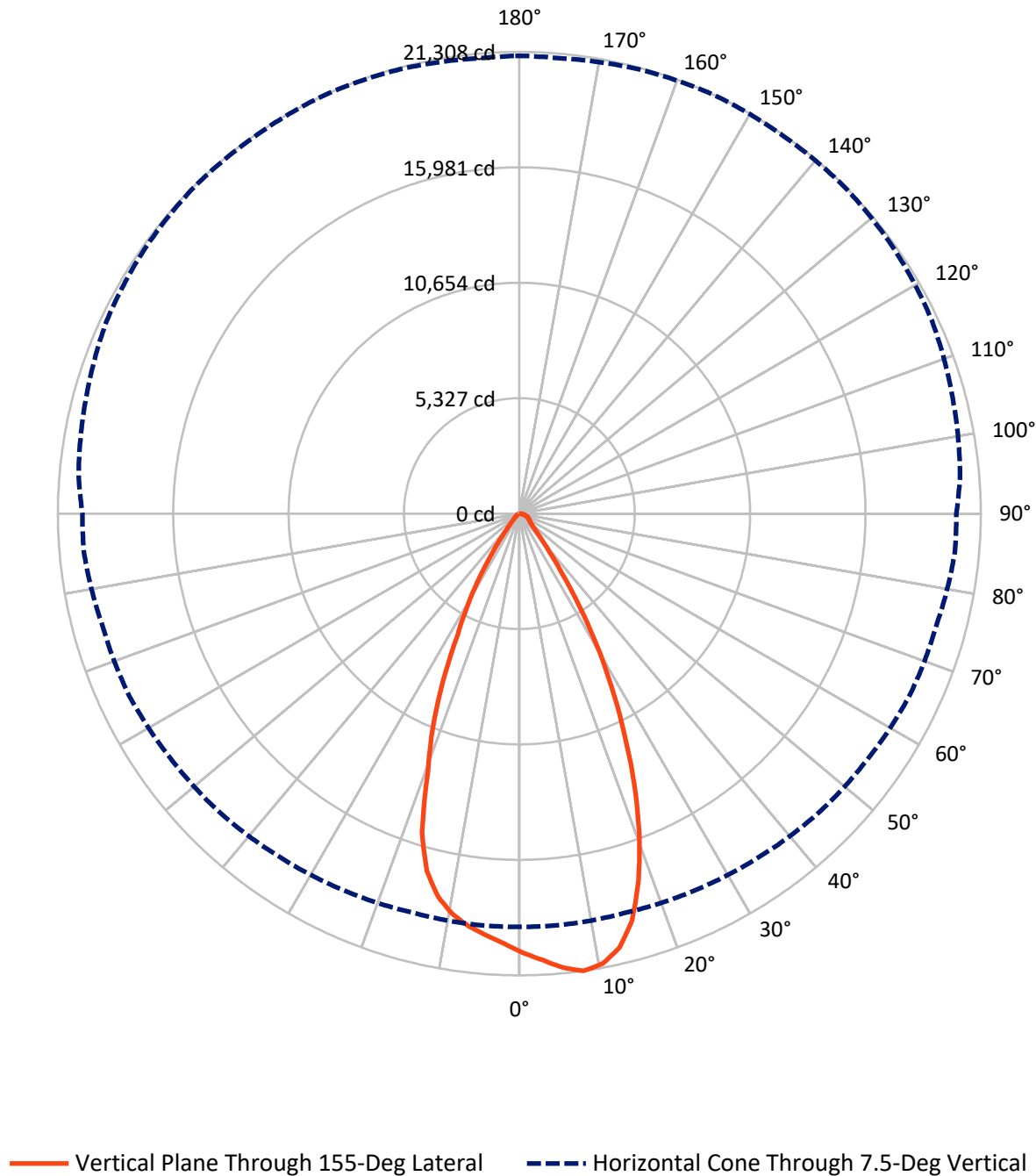
Based on 20 foot mounting height. Maximum calculated value = 51.5 fc

Type I - Short - N/A

REPORT NUMBER: P637584

CATALOG NUMBER: IFLD-S-SA3B-730-U-55-VI

Luminous Intensity Polar Plot



REPORT NUMBER: P637584

CATALOG NUMBER: IFLD-S-SA3B-730-U-55-VI

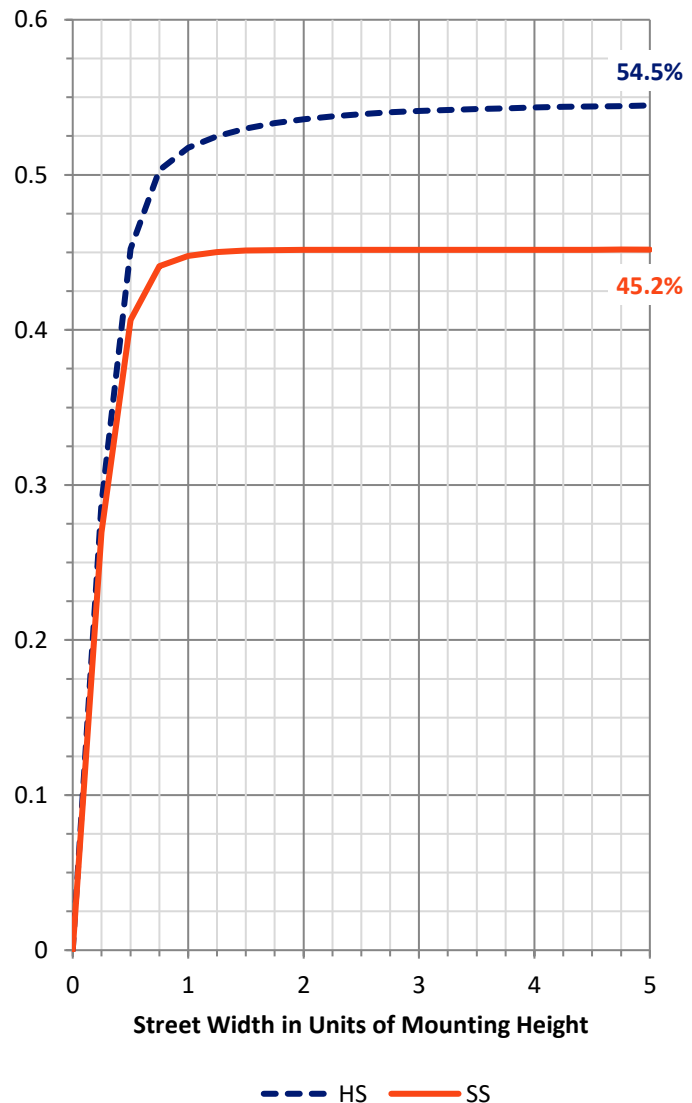
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8034.8	0.0	8034.8
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	6520.0	0.0	6520.0
	% Fixture	44.8	0.0	44.8
Total	Lumens	14554.8	0.0	14554.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1933.4	13.3
10°-20°	5013.4	34.4
20°-30°	4593.7	31.6
30°-40°	1855.9	12.8
40°-50°	544.4	3.7
50°-60°	304.4	2.1
60°-70°	184.9	1.3
70°-80°	93.9	0.6
80°-90°	30.7	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°	14554.8	100.0
0°-180°	14554.8	100.0

Coefficient of Utilization



REPORT NUMBER: P637584

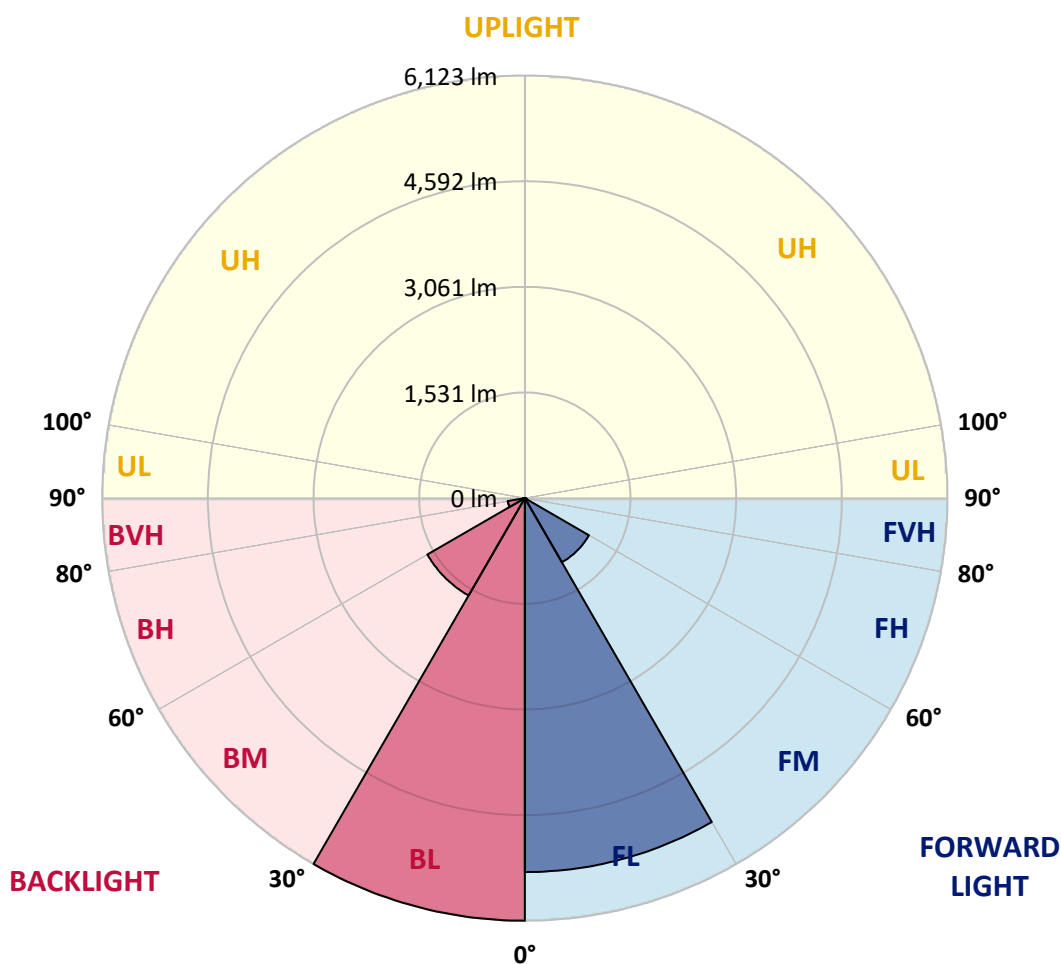
CATALOG NUMBER: IFLD-S-SA3B-730-U-55-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5417.7	37.2			
FM	(30°-60°)	1073.7	7.4			
FH	(60°-80°)	26.0	0.2			G0/660
FVH	(80°-90°)	2.7	0.0			G0/10
BL	(0°-30°)	6122.9	42.1	B5		
BM	(30°-60°)	1631.0	11.2	B2/2500		
BH	(60°-80°)	252.8	1.7	B1/500		G1/500
BVH	(80°-90°)	28.1	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: P637584

CATALOG NUMBER: IFLD-S-SA3B-730-U-55-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	20275.9	20275.9	20275.9	20275.9	20275.9	20275.9	20275.9	20275.9	20275.9	20275.9
2.5°	19836.2	19903.3	19769.1	19858.0	19926.8	20091.3	20104.7	20161.8	20181.9	20331.3
5°	19460.2	19512.3	19403.2	19522.3	19619.7	19765.7	19878.2	20035.9	20123.2	20299.4
7.5°	19069.2	19080.9	19059.1	19185.0	19331.0	19532.4	19671.7	19878.2	19931.9	20183.6
10°	18595.9	18510.3	18552.3	18736.9	18955.1	19263.9	19359.5	19566.0	19661.6	19918.4
12.5°	17840.7	17884.3	17832.3	18067.2	18248.5	18599.3	18700.0	18908.1	19091.0	19317.6
15°	16776.6	16751.4	16857.2	17040.1	17236.5	17515.1	17677.9	17904.4	18043.7	18278.7
17.5°	14385.0	14470.6	14906.9	15365.1	15767.9	16093.5	16288.2	16476.2	16576.9	16832.0
20°	12423.0	12315.6	12374.3	12632.8	13779.1	14277.6	14482.3	14527.6	14569.6	14771.0
22.5°	10229.4	10194.2	10390.5	10680.9	10952.8	12102.4	12381.0	12275.3	12362.6	12552.2
25°	7596.1	7774.0	7948.6	8505.8	8858.2	9422.1	9950.8	9997.8	10029.7	10148.9
27.5°	6183.0	6120.9	6117.5	6273.6	6793.9	7263.8	7713.6	7817.7	7799.2	7913.3
30°	4860.4	4840.3	4769.8	4806.7	4754.7	5172.6	5384.1	5812.1	5788.6	5791.9
32.5°	3506.0	3430.5	3402.0	3457.4	3403.7	3365.1	3549.7	4033.0	4024.6	4058.2
35°	2121.4	2111.3	2134.8	2183.5	2076.1	2072.7	2111.3	2566.2	2621.6	2675.3
37.5°	1171.5	1161.4	1179.9	1359.4	1324.2	1292.3	1302.4	1542.4	1701.8	1742.1
40°	772.0	770.4	783.8	815.7	876.1	864.3	869.4	976.8	1127.8	1163.1
42.5°	516.9	518.6	527.0	563.9	572.3	632.7	622.7	647.8	788.8	819.0
45°	412.9	411.2	416.2	399.4	409.5	471.6	478.3	480.0	600.8	619.3
47.5°	325.6	325.6	330.6	308.8	303.8	342.4	377.6	382.7	480.0	505.2
50°	228.3	228.3	253.4	243.4	255.1	266.9	305.5	310.5	392.7	419.6
52.5°	167.8	171.2	174.5	176.2	214.8	213.1	246.7	270.2	297.1	344.1
55°	127.6	130.9	122.5	130.9	159.4	177.9	184.6	218.2	236.6	288.7
57.5°	83.9	92.3	85.6	100.7	107.4	137.6	147.7	179.6	191.3	236.6
60°	11.7	13.4	21.8	70.5	75.5	90.6	114.1	142.7	154.4	193.0
62.5°	1.7	1.7	5.0	11.7	50.3	60.4	85.6	99.0	114.1	144.3
65°	0.0	0.0	1.7	3.4	10.1	35.2	43.6	53.7	78.9	104.1
67.5°	0.0	0.0	1.7	3.4	5.0	11.7	18.5	35.2	45.3	72.2
70°	0.0	0.0	1.7	3.4	5.0	6.7	10.1	13.4	26.9	42.0
72.5°	0.0	0.0	1.7	3.4	5.0	6.7	8.4	10.1	11.7	26.9
75°	0.0	0.0	1.7	3.4	5.0	8.4	10.1	10.1	10.1	11.7
77.5°	0.0	0.0	1.7	3.4	6.7	10.1	11.7	10.1	8.4	8.4
80°	0.0	0.0	1.7	5.0	8.4	11.7	13.4	10.1	6.7	5.0
82.5°	0.0	0.0	1.7	5.0	8.4	11.7	13.4	11.7	6.7	5.0
85°	0.0	0.0	1.7	5.0	6.7	8.4	13.4	11.7	6.7	3.4
87.5°	0.0	0.0	0.0	1.7	1.7	3.4	6.7	5.0	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: P637584

CATALOG NUMBER: IFLD-S-SA3B-730-U-55-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
20275.9	0°	20275.9	20275.9	20275.9	20275.9	20275.9	20275.9	20275.9	20275.9	20275.9
20327.9	2.5°	20479.0	20554.5	20687.1	20724.0	20838.2	20707.2	20635.1	20641.8	20485.7
20277.6	5°	20479.0	20651.9	20883.5	20994.2	21078.2	21071.4	21053.0	21006.0	20891.9
20176.9	7.5°	20425.3	20707.2	21026.1	21173.8	21274.5	21266.1	21308.1	21232.6	21093.3
19997.3	10°	20252.4	20497.5	20890.2	21011.0	21173.8	21177.2	21125.1	21140.3	20891.9
19341.1	12.5°	19708.6	19900.0	20244.0	20381.6	20579.7	20611.6	20554.5	20532.7	20297.7
18265.3	15°	18656.3	18767.1	19112.8	19250.5	19446.8	19420.0	19477.0	19453.5	19247.1
16811.8	17.5°	17117.3	17152.5	17515.1	17630.9	17815.5	17887.6	17802.1	17911.1	17733.2
14806.2	20°	14910.3	15099.9	15507.8	15685.7	15793.1	15922.3	15809.9	15932.4	15724.3
12372.7	22.5°	12671.4	12783.8	13153.1	13409.9	13609.6	13634.8	13592.8	13678.4	13398.1
10227.7	25°	10226.1	10412.4	10704.4	11040.1	11236.4	11357.3	11248.2	11303.6	11258.2
7931.8	27.5°	8066.1	8232.2	8452.1	8702.1	8997.5	9155.3	9068.0	9162.0	8940.5
5914.4	30°	5919.5	6003.4	6251.8	6517.0	6840.9	7032.2	7040.6	7136.3	7005.4
4143.8	32.5°	4174.0	4247.9	4400.6	4576.8	4885.6	5098.8	5065.2	5078.6	4998.1
2700.4	35°	2713.9	2812.9	2922.0	3005.9	3192.2	3427.2	3408.7	3391.9	3336.5
1775.7	37.5°	1814.3	1852.9	1913.3	1988.8	2109.7	2257.4	2306.0	2245.6	2222.1
1198.3	40°	1226.9	1294.0	1334.3	1391.3	1448.4	1572.6	1606.2	1594.4	1570.9
839.2	42.5°	871.1	923.1	973.4	1028.8	1059.0	1136.2	1201.7	1183.2	1173.2
637.8	45°	661.3	708.3	767.0	809.0	839.2	884.5	946.6	953.3	938.2
511.9	47.5°	530.4	572.3	619.3	671.3	706.6	735.1	788.8	809.0	798.9
431.3	50°	449.8	481.7	527.0	579.0	617.6	642.8	689.8	711.6	704.9
360.8	52.5°	382.7	421.3	463.2	506.9	553.8	579.0	622.7	654.5	649.5
298.7	55°	317.2	367.6	411.2	454.8	508.5	533.7	572.3	614.3	605.9
253.4	57.5°	276.9	318.9	364.2	406.2	463.2	496.8	532.0	575.7	574.0
208.1	60°	231.6	273.6	323.9	359.2	419.6	466.6	498.5	543.8	547.1
157.8	62.5°	184.6	236.6	275.2	323.9	379.3	434.7	464.9	510.2	527.0
120.8	65°	137.6	194.7	238.3	287.0	339.0	401.1	428.0	473.3	490.1
87.3	67.5°	102.4	146.0	201.4	243.4	302.1	355.8	387.7	429.7	441.4
52.0	70°	77.2	112.4	167.8	204.8	265.2	308.8	340.7	372.6	387.7
35.2	72.5°	45.3	83.9	132.6	176.2	228.3	265.2	288.7	313.8	323.9
16.8	75°	31.9	63.8	104.1	146.0	184.6	214.8	236.6	258.5	268.5
8.4	77.5°	16.8	47.0	82.2	117.5	144.3	169.5	191.3	208.1	214.8
6.7	80°	10.1	33.6	67.1	92.3	110.8	132.6	154.4	166.2	164.5
5.0	82.5°	6.7	26.9	48.7	67.1	80.6	97.3	112.4	120.8	120.8
3.4	85°	5.0	18.5	33.6	52.0	53.7	67.1	70.5	78.9	80.6
3.4	87.5°	3.4	11.7	18.5	30.2	28.5	35.2	36.9	42.0	45.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
20275.9
20359.8
20928.8
21125.1
20819.7
20244.0
19312.6
17689.6
15707.5
13359.5
11229.7
8997.5
7028.8
5043.4
3287.9
2217.1
1574.3
1164.8
936.5
793.9
703.2
646.2
605.9
572.3
547.1
525.3
488.4
441.4
384.3
320.6
265.2
213.1
162.8
119.2
78.9
43.6
0.0

(END OF REPORT)