

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: P637525

Luminaire Tested: **IFLD-S-SA3A-722-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637525
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-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: 9519.8 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 94.8
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



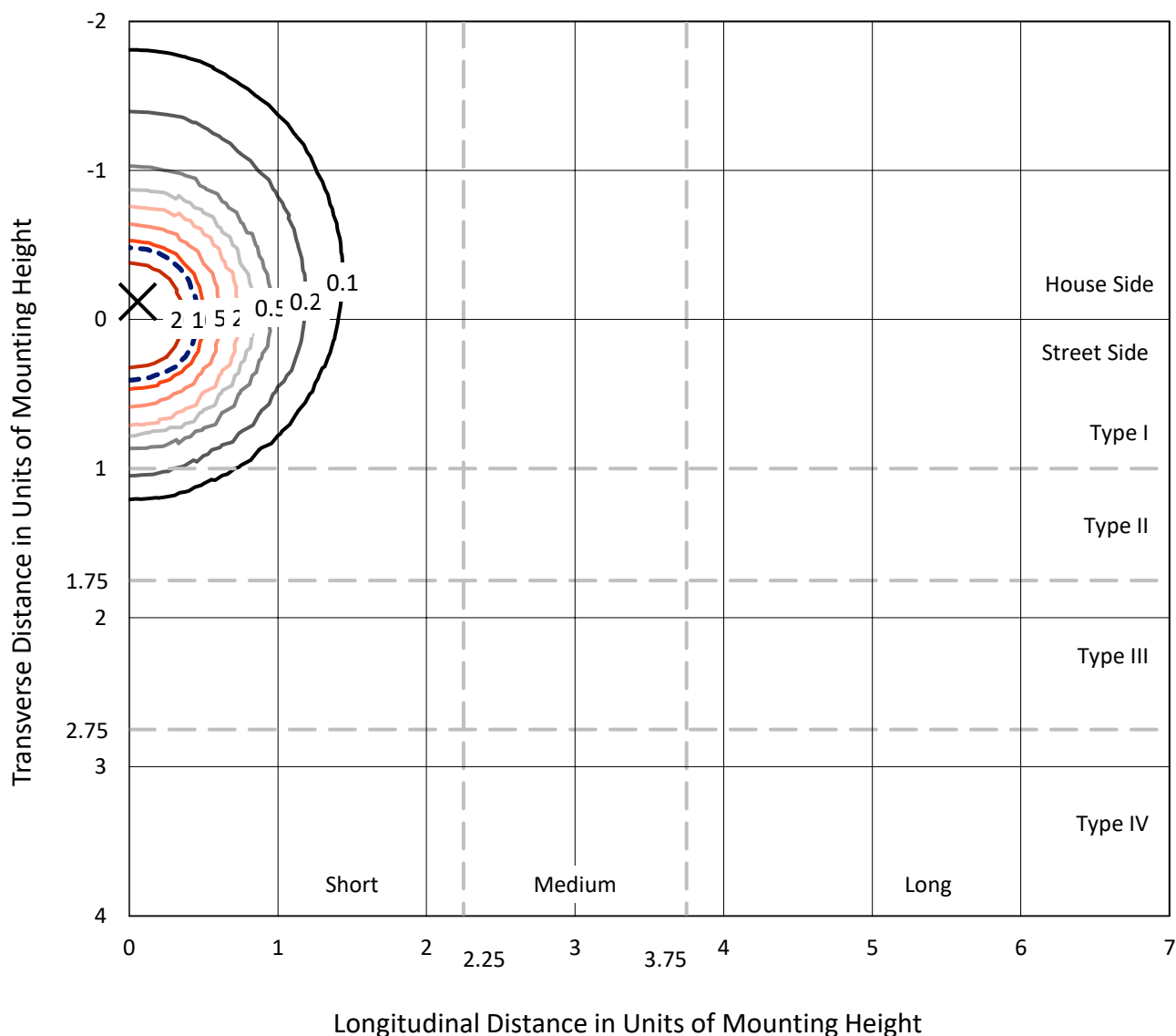
REPORT NUMBER: P637525

CATALOG NUMBER: IFLD-S-SA3A-722-U-55-VI

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

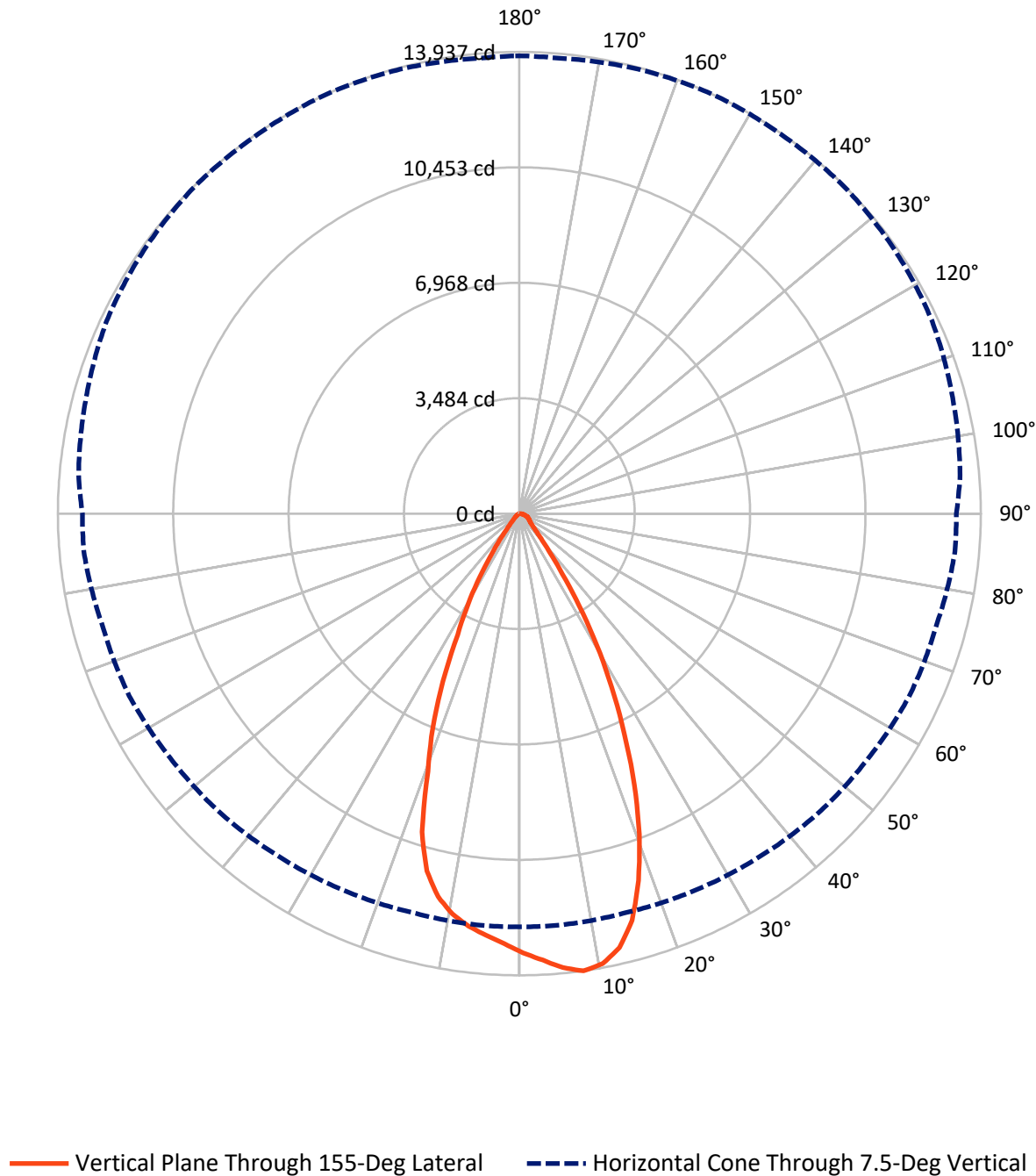


Based on 20 foot mounting height. Maximum calculated value = 33.7 fc

Type I - Short - N/A

REPORT NUMBER: P637525
CATALOG NUMBER: IFLD-S-SA3A-722-U-55-VI

Luminous Intensity Polar Plot



REPORT NUMBER: P637525

CATALOG NUMBER: IFLD-S-SA3A-722-U-55-VI

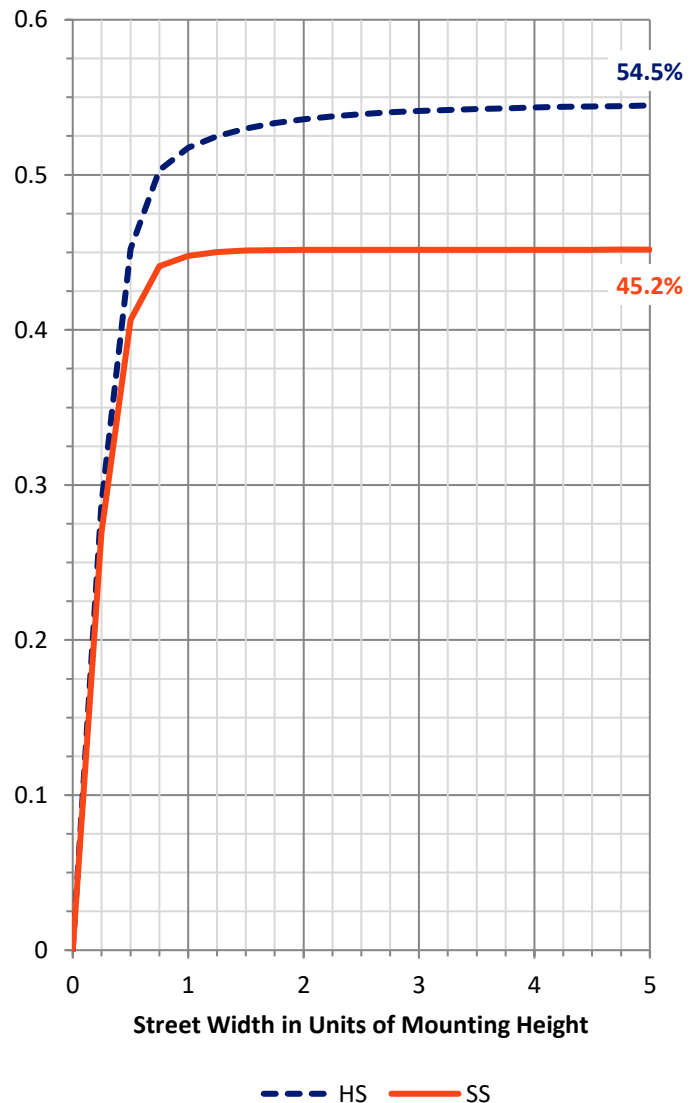
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5255.3	0.0	5255.3
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	4264.5	0.0	4264.5
	% Fixture	44.8	0.0	44.8
Total	Lumens	9519.8	0.0	9519.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1264.6	13.3
10°-20°	3279.1	34.4
20°-30°	3004.6	31.6
30°-40°	1213.8	12.8
40°-50°	356.1	3.7
50°-60°	199.1	2.1
60°-70°	120.9	1.3
70°-80°	61.4	0.6
80°-90°	20.1	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°	9519.8	100.0
0°-180°	9519.8	100.0

Coefficient of Utilization



REPORT NUMBER: P637525

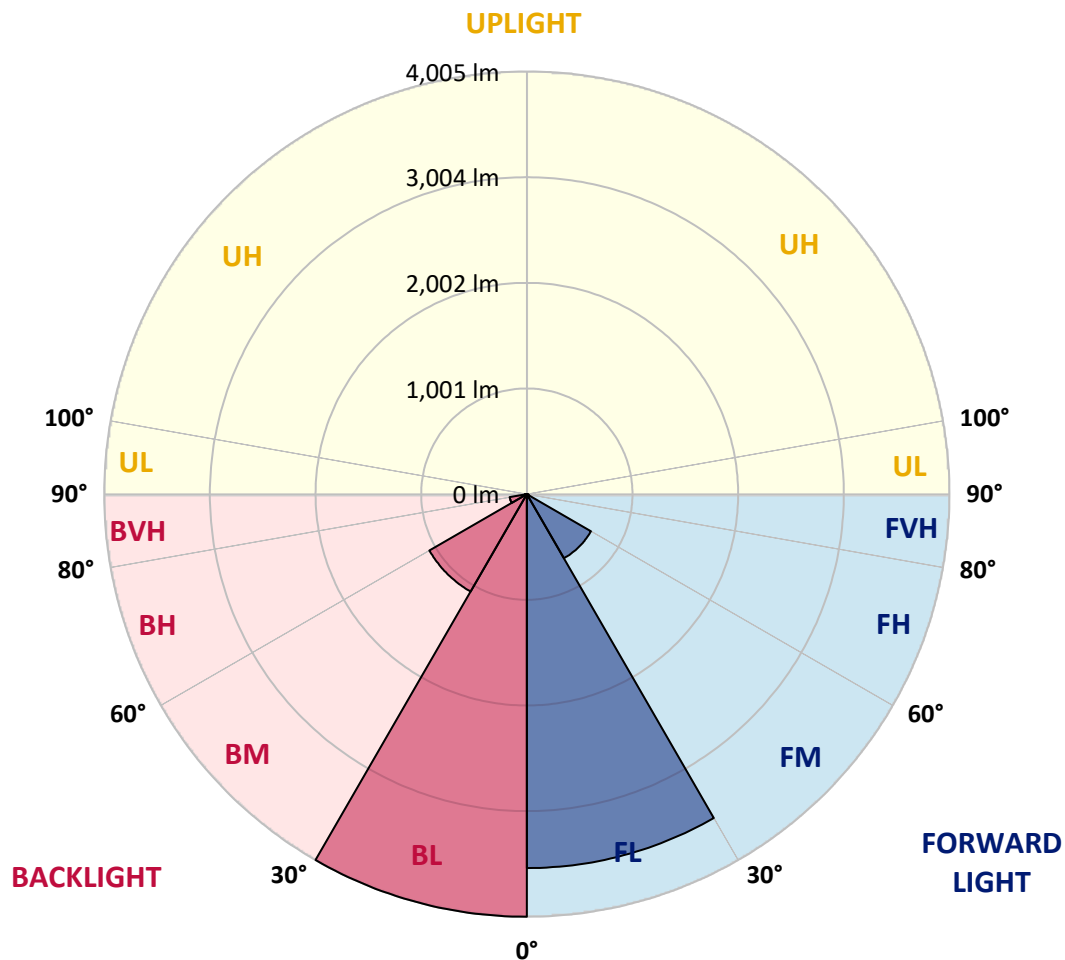
CATALOG NUMBER: IFLD-S-SA3A-722-U-55-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3543.5	37.2			
FM	(30°-60°)	702.3	7.4			
FH	(60°-80°)	17.0	0.2			G0/660
FVH	(80°-90°)	1.7	0.0			G0/10
BL	(0°-30°)	4004.8	42.1	B4/5000		
BM	(30°-60°)	1066.8	11.2	B2/2500		
BH	(60°-80°)	165.4	1.7	B1/500		G1/500
BVH	(80°-90°)	18.4	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type I Short



REPORT NUMBER: P637525

CATALOG NUMBER: IFLD-S-SA3A-722-U-55-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	13261.8	13261.8	13261.8	13261.8	13261.8	13261.8	13261.8	13261.8	13261.8	13261.8
2.5°	12974.2	13018.1	12930.3	12988.5	13033.5	13141.0	13149.8	13187.2	13200.3	13298.0
5°	12728.3	12762.3	12691.0	12768.9	12832.6	12928.1	13001.6	13104.8	13161.9	13277.2
7.5°	12472.5	12480.2	12465.9	12548.3	12643.8	12775.5	12866.6	13001.6	13036.8	13201.4
10°	12163.0	12107.0	12134.4	12255.2	12397.9	12599.9	12662.4	12797.5	12860.0	13028.0
12.5°	11669.0	11697.5	11663.5	11817.2	11935.7	12165.2	12231.0	12367.1	12486.8	12635.0
15°	10973.0	10956.5	11025.7	11145.4	11273.8	11456.0	11562.5	11710.7	11801.8	11955.5
17.5°	9408.7	9464.7	9750.1	10049.8	10313.3	10526.2	10653.6	10776.5	10842.4	11009.2
20°	8125.5	8055.2	8093.6	8262.7	9012.4	9338.5	9472.4	9502.0	9529.5	9661.2
22.5°	6690.7	6667.7	6796.1	6986.0	7163.9	7915.8	8098.0	8028.9	8086.0	8210.0
25°	4968.4	5084.7	5198.9	5563.3	5793.9	6162.7	6508.5	6539.2	6560.1	6638.0
27.5°	4044.1	4003.5	4001.3	4103.4	4443.7	4751.0	5045.2	5113.3	5101.2	5175.8
30°	3179.1	3165.9	3119.8	3143.9	3109.9	3383.2	3521.5	3801.5	3786.1	3788.3
32.5°	2293.2	2243.8	2225.1	2261.3	2226.2	2201.0	2321.7	2637.9	2632.4	2654.3
35°	1387.5	1381.0	1396.3	1428.2	1357.9	1355.7	1381.0	1678.4	1714.7	1749.8
37.5°	766.2	759.6	771.7	889.2	866.1	845.3	851.8	1008.8	1113.1	1139.5
40°	505.0	503.9	512.6	533.5	573.0	565.3	568.6	638.9	737.7	760.7
42.5°	338.1	339.2	344.7	368.8	374.3	413.8	407.3	423.7	515.9	535.7
45°	270.0	268.9	272.2	261.3	267.8	308.5	312.9	314.0	393.0	405.1
47.5°	213.0	213.0	216.3	202.0	198.7	223.9	247.0	250.3	314.0	330.4
50°	149.3	149.3	165.8	159.2	166.9	174.5	199.8	203.1	256.9	274.4
52.5°	109.8	112.0	114.2	115.3	140.5	139.4	161.4	176.7	194.3	225.0
55°	83.4	85.6	80.1	85.6	104.3	116.4	120.8	142.7	154.8	188.8
57.5°	54.9	60.4	56.0	65.9	70.3	90.0	96.6	117.5	125.1	154.8
60°	7.7	8.8	14.3	46.1	49.4	59.3	74.6	93.3	101.0	126.2
62.5°	1.1	1.1	3.3	7.7	32.9	39.5	56.0	64.8	74.6	94.4
65°	0.0	0.0	1.1	2.2	6.6	23.1	28.5	35.1	51.6	68.1
67.5°	0.0	0.0	1.1	2.2	3.3	7.7	12.1	23.1	29.6	47.2
70°	0.0	0.0	1.1	2.2	3.3	4.4	6.6	8.8	17.6	27.4
72.5°	0.0	0.0	1.1	2.2	3.3	4.4	5.5	6.6	7.7	17.6
75°	0.0	0.0	1.1	2.2	3.3	5.5	6.6	6.6	6.6	7.7
77.5°	0.0	0.0	1.1	2.2	4.4	6.6	7.7	6.6	5.5	5.5
80°	0.0	0.0	1.1	3.3	5.5	7.7	8.8	6.6	4.4	3.3
82.5°	0.0	0.0	1.1	3.3	5.5	7.7	8.8	7.7	4.4	3.3
85°	0.0	0.0	1.1	3.3	4.4	5.5	8.8	7.7	4.4	2.2
87.5°	0.0	0.0	0.0	1.1	1.1	2.2	4.4	3.3	2.2	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P637525

CATALOG NUMBER: IFLD-S-SA3A-722-U-55-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
13261.8	0°	13261.8	13261.8	13261.8	13261.8	13261.8	13261.8	13261.8	13261.8	13261.8
13295.8	2.5°	13394.6	13444.0	13530.7	13554.9	13629.5	13543.9	13496.7	13501.1	13399.0
13262.9	5°	13394.6	13507.7	13659.2	13731.6	13786.5	13782.1	13770.1	13739.3	13664.7
13197.0	7.5°	13359.5	13543.9	13752.5	13849.1	13915.0	13909.5	13936.9	13887.5	13796.4
13079.6	10°	13246.4	13406.7	13663.6	13742.6	13849.1	13851.3	13817.3	13827.1	13664.7
12650.4	12.5°	12890.8	13015.9	13240.9	13331.0	13460.5	13481.3	13444.0	13429.8	13276.1
11946.7	15°	12202.5	12274.9	12501.1	12591.1	12719.5	12701.9	12739.3	12723.9	12588.9
10996.1	17.5°	11195.9	11218.9	11456.0	11531.8	11652.5	11699.7	11643.7	11715.1	11598.7
9684.3	20°	9752.3	9876.4	10143.1	10259.5	10329.7	10414.3	10340.7	10420.8	10284.7
8092.5	22.5°	8287.9	8361.5	8603.0	8770.9	8901.6	8918.0	8890.6	8946.6	8763.3
6689.6	25°	6688.5	6810.4	7001.4	7220.9	7349.4	7428.4	7357.1	7393.3	7363.6
5187.9	27.5°	5275.7	5384.4	5528.2	5691.8	5885.0	5988.2	5931.1	5992.6	5847.7
3868.4	30°	3871.7	3926.6	4089.1	4262.5	4474.4	4599.5	4605.0	4667.6	4582.0
2710.3	32.5°	2730.1	2778.4	2878.3	2993.5	3195.5	3334.9	3313.0	3321.8	3269.1
1766.3	35°	1775.0	1839.8	1911.2	1966.1	2087.9	2241.6	2229.5	2218.5	2182.3
1161.4	37.5°	1186.7	1211.9	1251.4	1300.8	1379.9	1476.5	1508.3	1468.8	1453.4
783.8	40°	802.4	846.4	872.7	910.0	947.3	1028.6	1050.5	1042.9	1027.5
548.9	42.5°	569.7	603.8	636.7	672.9	692.7	743.2	786.0	773.9	767.3
417.1	45°	432.5	463.2	501.7	529.1	548.9	578.5	619.1	623.5	613.6
334.8	47.5°	346.9	374.3	405.1	439.1	462.1	480.8	515.9	529.1	522.5
282.1	50°	294.2	315.1	344.7	378.7	404.0	420.4	451.2	465.4	461.1
236.0	52.5°	250.3	275.5	303.0	331.5	362.3	378.7	407.3	428.1	424.8
195.4	55°	207.5	240.4	268.9	297.5	332.6	349.1	374.3	401.8	396.3
165.8	57.5°	181.1	208.6	238.2	265.7	303.0	324.9	348.0	376.5	375.4
136.1	60°	151.5	178.9	211.9	234.9	274.4	305.2	326.0	355.7	357.9
103.2	62.5°	120.8	154.8	180.0	211.9	248.1	284.3	304.1	333.7	344.7
79.0	65°	90.0	127.3	155.9	187.7	221.7	262.4	279.9	309.6	320.5
57.1	67.5°	67.0	95.5	131.7	159.2	197.6	232.7	253.6	281.0	288.7
34.0	70°	50.5	73.5	109.8	133.9	173.4	202.0	222.8	243.7	253.6
23.1	72.5°	29.6	54.9	86.7	115.3	149.3	173.4	188.8	205.3	211.9
11.0	75°	20.9	41.7	68.1	95.5	120.8	140.5	154.8	169.1	175.6
5.5	77.5°	11.0	30.7	53.8	76.8	94.4	110.9	125.1	136.1	140.5
4.4	80°	6.6	22.0	43.9	60.4	72.5	86.7	101.0	108.7	107.6
3.3	82.5°	4.4	17.6	31.8	43.9	52.7	63.7	73.5	79.0	79.0
2.2	85°	3.3	12.1	22.0	34.0	35.1	43.9	46.1	51.6	52.7
2.2	87.5°	2.2	7.7	12.1	19.8	18.7	23.1	24.2	27.4	29.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
13261.8
13316.7
13688.8
13817.3
13617.5
13240.9
12631.7
11570.2
10273.7
8738.0
7345.0
5885.0
4597.3
3298.7
2150.5
1450.1
1029.7
761.8
612.5
519.2
460.0
422.6
396.3
374.3
357.9
343.6
319.4
288.7
251.4
209.7
173.4
139.4
106.5
77.9
51.6
28.5
0.0

(END OF REPORT)