

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: P637522

Luminaire Tested: **IFLD-S-SA2C-722-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637522
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-722-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9834.5 lumens
Efficiency: N/A
Efficacy: 90.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 108.2
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



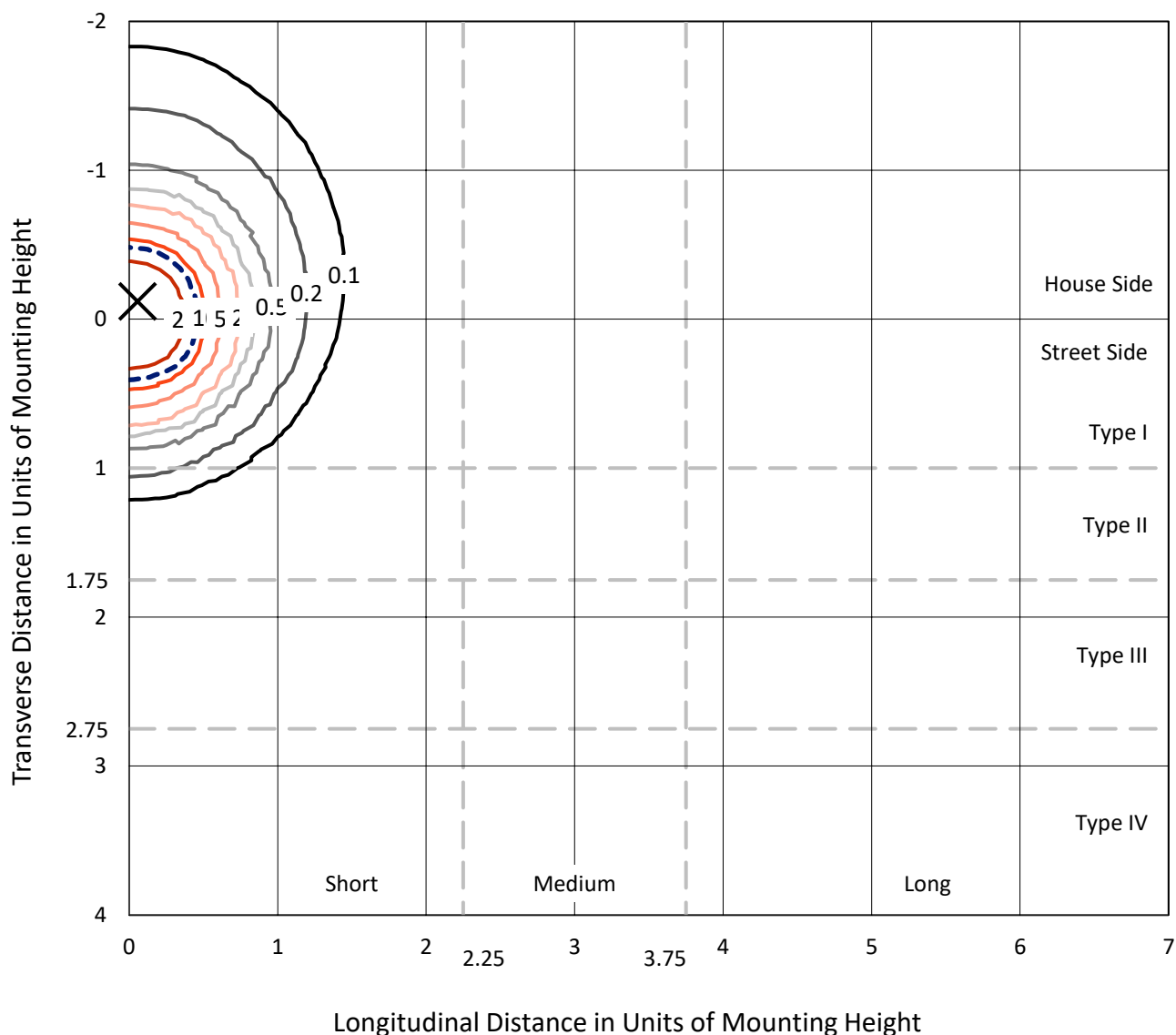
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



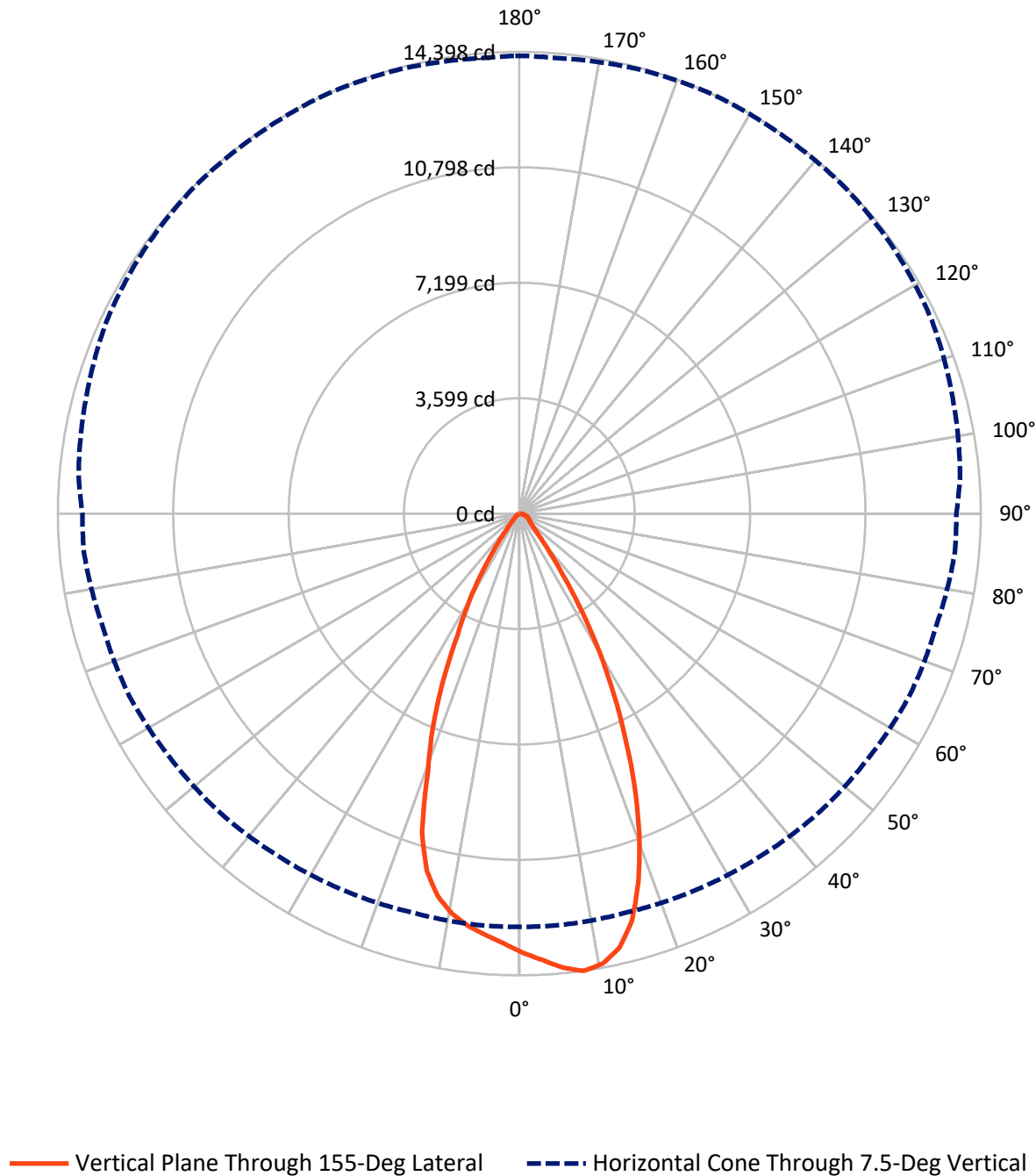
Based on 20 foot mounting height. Maximum calculated value = 34.8 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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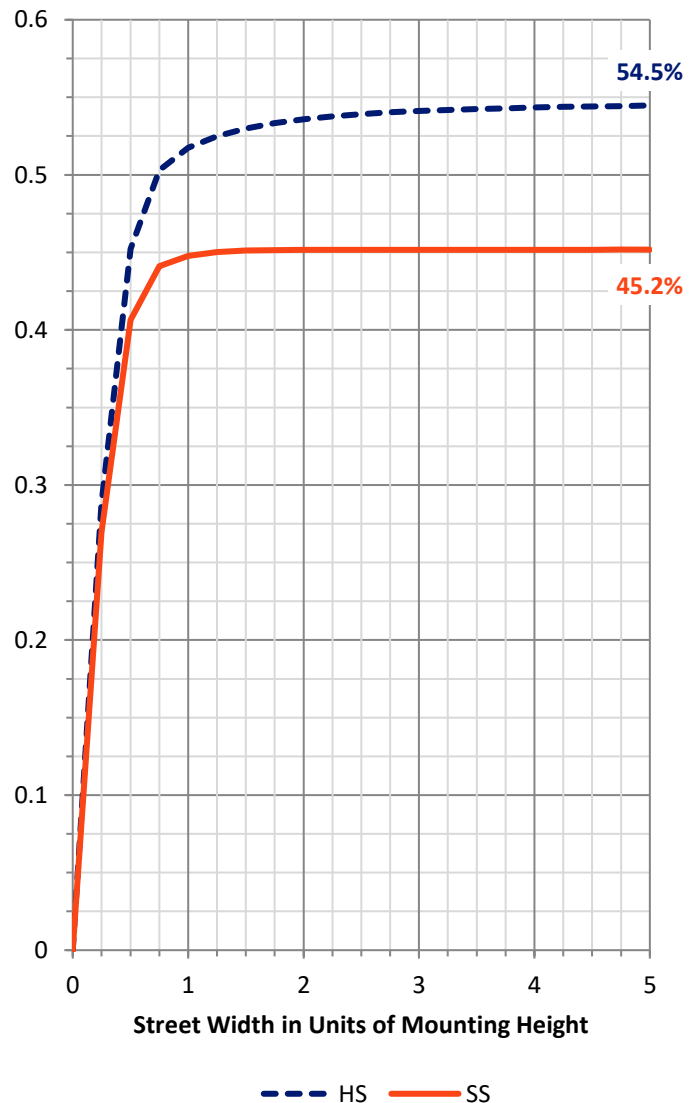
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5429.0	0.0	5429.0
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	4405.5	0.0	4405.5
	% Fixture	44.8	0.0	44.8
Total	Lumens	9834.5	0.0	9834.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1306.4	13.3
10°-20°	3387.5	34.4
20°-30°	3103.9	31.6
30°-40°	1254.0	12.8
40°-50°	367.9	3.7
50°-60°	205.7	2.1
60°-70°	124.9	1.3
70°-80°	63.5	0.6
80°-90°	20.8	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°	9834.5	100.0
0°-180°	9834.5	100.0

Coefficient of Utilization



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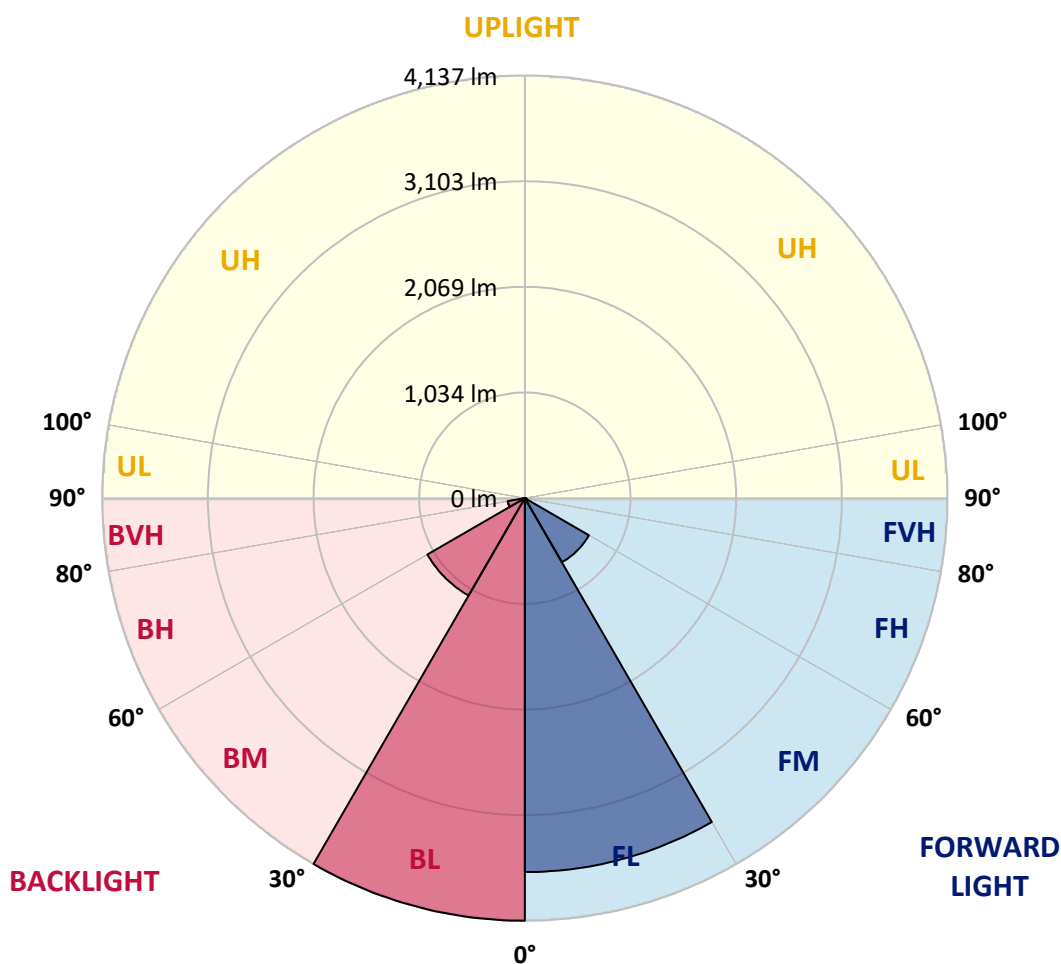
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3660.7	37.2			
FM	(30°-60°)	725.5	7.4			
FH	(60°-80°)	17.6	0.2			G0/660
FVH	(80°-90°)	1.8	0.0			G0/10
BL	(0°-30°)	4137.2	42.1	B4/5000		
BM	(30°-60°)	1102.0	11.2	B2/2500		
BH	(60°-80°)	170.8	1.7	B1/500		G1/500
BVH	(80°-90°)	19.0	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	13700.3	13700.3	13700.3	13700.3	13700.3	13700.3	13700.3	13700.3	13700.3	13700.3
2.5°	13403.1	13448.5	13357.8	13417.9	13464.4	13575.5	13584.6	13623.1	13636.7	13737.7
5°	13149.1	13184.3	13110.6	13191.1	13256.8	13355.5	13431.5	13538.1	13597.1	13716.1
7.5°	12884.9	12892.8	12878.1	12963.1	13061.8	13197.9	13292.0	13431.5	13467.8	13637.9
10°	12565.1	12507.2	12535.6	12660.3	12807.8	13016.4	13081.1	13220.6	13285.2	13458.7
12.5°	12054.8	12084.3	12049.1	12207.9	12330.3	12567.4	12635.4	12776.0	12899.6	13052.7
15°	11335.8	11318.8	11390.2	11513.8	11646.5	11834.8	11944.8	12097.9	12192.0	12350.8
17.5°	9719.8	9777.6	10072.5	10382.1	10654.2	10874.2	11005.8	11132.8	11200.8	11373.2
20°	8394.1	8321.5	8361.2	8535.9	9310.4	9647.2	9785.6	9816.2	9844.5	9980.6
22.5°	6911.9	6888.1	7020.8	7217.0	7400.7	8177.5	8365.8	8294.3	8353.3	8481.4
25°	5132.6	5252.8	5370.8	5747.3	5985.4	6366.5	6723.7	6755.4	6777.0	6857.5
27.5°	4177.8	4135.8	4133.5	4239.0	4590.6	4908.1	5212.0	5282.3	5269.9	5347.0
30°	3284.2	3270.6	3222.9	3247.9	3212.7	3495.1	3638.0	3927.2	3911.3	3913.5
32.5°	2369.0	2318.0	2298.7	2336.1	2299.8	2273.7	2398.5	2725.1	2719.4	2742.1
35°	1433.4	1426.6	1442.5	1475.4	1402.8	1400.5	1426.6	1733.9	1771.4	1807.6
37.5°	791.6	784.8	797.2	918.6	894.8	873.2	880.0	1042.2	1149.9	1177.1
40°	521.7	520.5	529.6	551.1	592.0	584.0	587.4	660.0	762.1	785.9
42.5°	349.3	350.4	356.1	381.0	386.7	427.5	420.7	437.7	533.0	553.4
45°	279.0	277.8	281.2	269.9	276.7	318.7	323.2	324.3	406.0	418.5
47.5°	220.0	220.0	223.4	208.7	205.3	231.3	255.2	258.6	324.3	341.3
50°	154.2	154.2	171.2	164.4	172.4	180.3	206.4	209.8	265.4	283.5
52.5°	113.4	115.7	117.9	119.1	145.2	144.0	166.7	182.6	200.7	232.5
55°	86.2	88.5	82.8	88.5	107.7	120.2	124.7	147.4	159.9	195.1
57.5°	56.7	62.4	57.8	68.0	72.6	93.0	99.8	121.3	129.3	159.9
60°	7.9	9.1	14.7	47.6	51.0	61.2	77.1	96.4	104.3	130.4
62.5°	1.1	1.1	3.4	7.9	34.0	40.8	57.8	66.9	77.1	97.5
65°	0.0	0.0	1.1	2.3	6.8	23.8	29.5	36.3	53.3	70.3
67.5°	0.0	0.0	1.1	2.3	3.4	7.9	12.5	23.8	30.6	48.8
70°	0.0	0.0	1.1	2.3	3.4	4.5	6.8	9.1	18.1	28.4
72.5°	0.0	0.0	1.1	2.3	3.4	4.5	5.7	6.8	7.9	18.1
75°	0.0	0.0	1.1	2.3	3.4	5.7	6.8	6.8	6.8	7.9
77.5°	0.0	0.0	1.1	2.3	4.5	6.8	7.9	6.8	5.7	5.7
80°	0.0	0.0	1.1	3.4	5.7	7.9	9.1	6.8	4.5	3.4
82.5°	0.0	0.0	1.1	3.4	5.7	7.9	9.1	7.9	4.5	3.4
85°	0.0	0.0	1.1	3.4	4.5	5.7	9.1	7.9	4.5	2.3
87.5°	0.0	0.0	0.0	1.1	1.1	2.3	4.5	3.4	2.3	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
13700.3	0°	13700.3	13700.3	13700.3	13700.3	13700.3	13700.3	13700.3	13700.3	13700.3
13735.4	2.5°	13837.5	13888.5	13978.1	14003.0	14080.2	13991.7	13942.9	13947.5	13842.0
13701.4	5°	13837.5	13954.3	14110.8	14185.6	14242.3	14237.8	14225.3	14193.6	14116.4
13633.3	7.5°	13801.2	13991.7	14207.2	14307.0	14375.0	14369.3	14397.7	14346.6	14252.5
13512.0	10°	13684.4	13849.9	14115.3	14197.0	14307.0	14309.2	14274.1	14284.3	14116.4
13068.6	12.5°	13316.9	13446.2	13678.7	13771.7	13905.5	13927.1	13888.5	13873.8	13715.0
12341.7	15°	12605.9	12680.8	12914.4	13007.4	13140.0	13121.9	13160.5	13144.6	13005.1
11359.6	17.5°	11566.0	11589.8	11834.8	11913.0	12037.8	12086.5	12028.7	12102.4	11982.2
10004.4	20°	10074.7	10202.9	10478.5	10598.7	10671.2	10758.6	10682.6	10765.4	10624.8
8360.1	22.5°	8561.9	8637.9	8887.4	9060.9	9195.9	9212.9	9184.5	9242.4	9053.0
6910.8	25°	6909.7	7035.5	7232.9	7459.7	7592.3	7674.0	7600.3	7637.7	7607.1
5359.4	27.5°	5450.2	5562.4	5711.0	5880.0	6079.5	6186.1	6127.2	6190.7	6041.0
3996.3	30°	3999.7	4056.4	4224.3	4403.4	4622.3	4751.6	4757.3	4821.9	4733.5
2799.9	32.5°	2820.3	2870.2	2973.4	3092.5	3301.2	3445.2	3422.5	3431.6	3377.1
1824.7	35°	1833.7	1900.6	1974.4	2031.1	2156.9	2315.7	2303.2	2291.9	2254.5
1199.8	37.5°	1225.9	1252.0	1292.8	1343.8	1425.5	1525.3	1558.2	1517.3	1501.5
809.7	40°	829.0	874.3	901.6	940.1	978.7	1062.6	1085.3	1077.3	1061.5
567.0	42.5°	588.6	623.7	657.7	695.2	715.6	767.7	812.0	799.5	792.7
430.9	45°	446.8	478.6	518.3	546.6	567.0	597.6	639.6	644.1	633.9
345.9	47.5°	358.4	386.7	418.5	453.6	477.4	496.7	533.0	546.6	539.8
291.4	50°	303.9	325.5	356.1	391.2	417.3	434.3	466.1	480.8	476.3
243.8	52.5°	258.6	284.6	313.0	342.5	374.2	391.2	420.7	442.3	438.9
201.9	55°	214.3	248.4	277.8	307.3	343.6	360.6	386.7	415.1	409.4
171.2	57.5°	187.1	215.5	246.1	274.4	313.0	335.7	359.5	389.0	387.8
140.6	60°	156.5	184.8	218.9	242.7	283.5	315.3	336.8	367.4	369.7
106.6	62.5°	124.7	159.9	186.0	218.9	256.3	293.7	314.1	344.7	356.1
81.7	65°	93.0	131.5	161.0	193.9	229.1	271.0	289.2	319.8	331.1
59.0	67.5°	69.2	98.7	136.1	164.4	204.1	240.4	262.0	290.3	298.3
35.2	70°	52.2	76.0	113.4	138.4	179.2	208.7	230.2	251.8	262.0
23.8	72.5°	30.6	56.7	89.6	119.1	154.2	179.2	195.1	212.1	218.9
11.3	75°	21.5	43.1	70.3	98.7	124.7	145.2	159.9	174.6	181.4
5.7	77.5°	11.3	31.8	55.6	79.4	97.5	114.5	129.3	140.6	145.2
4.5	80°	6.8	22.7	45.4	62.4	74.8	89.6	104.3	112.3	111.1
3.4	82.5°	4.5	18.1	32.9	45.4	54.4	65.8	76.0	81.7	81.7
2.3	85°	3.4	12.5	22.7	35.2	36.3	45.4	47.6	53.3	54.4
2.3	87.5°	2.3	7.9	12.5	20.4	19.3	23.8	24.9	28.4	30.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
13700.3
13757.0
14141.4
14274.1
14067.7
13678.7
13049.3
11952.7
10613.4
9026.9
7587.8
6079.5
4749.3
3407.8
2221.6
1498.1
1063.7
787.0
632.8
536.4
475.2
436.6
409.4
386.7
369.7
355.0
330.0
298.3
259.7
216.6
179.2
144.0
110.0
80.5
53.3
29.5
0.0

(END OF REPORT)