

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: P636478

Luminaire Tested: **IFLD-S-SA2C-935-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636478
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-935-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (32) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7809.6 lumens
Efficiency: N/A
Efficacy: 72.2 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



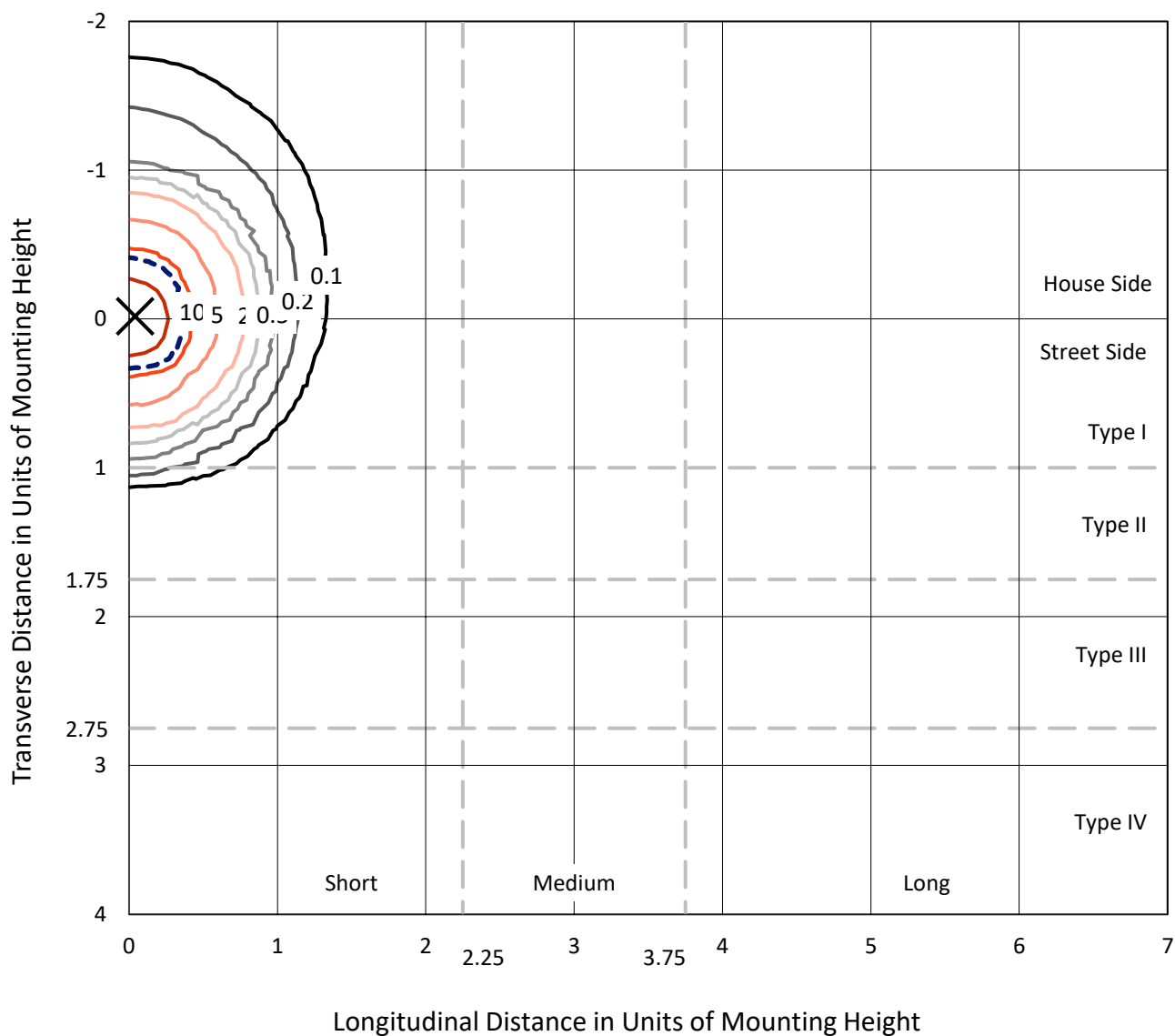
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

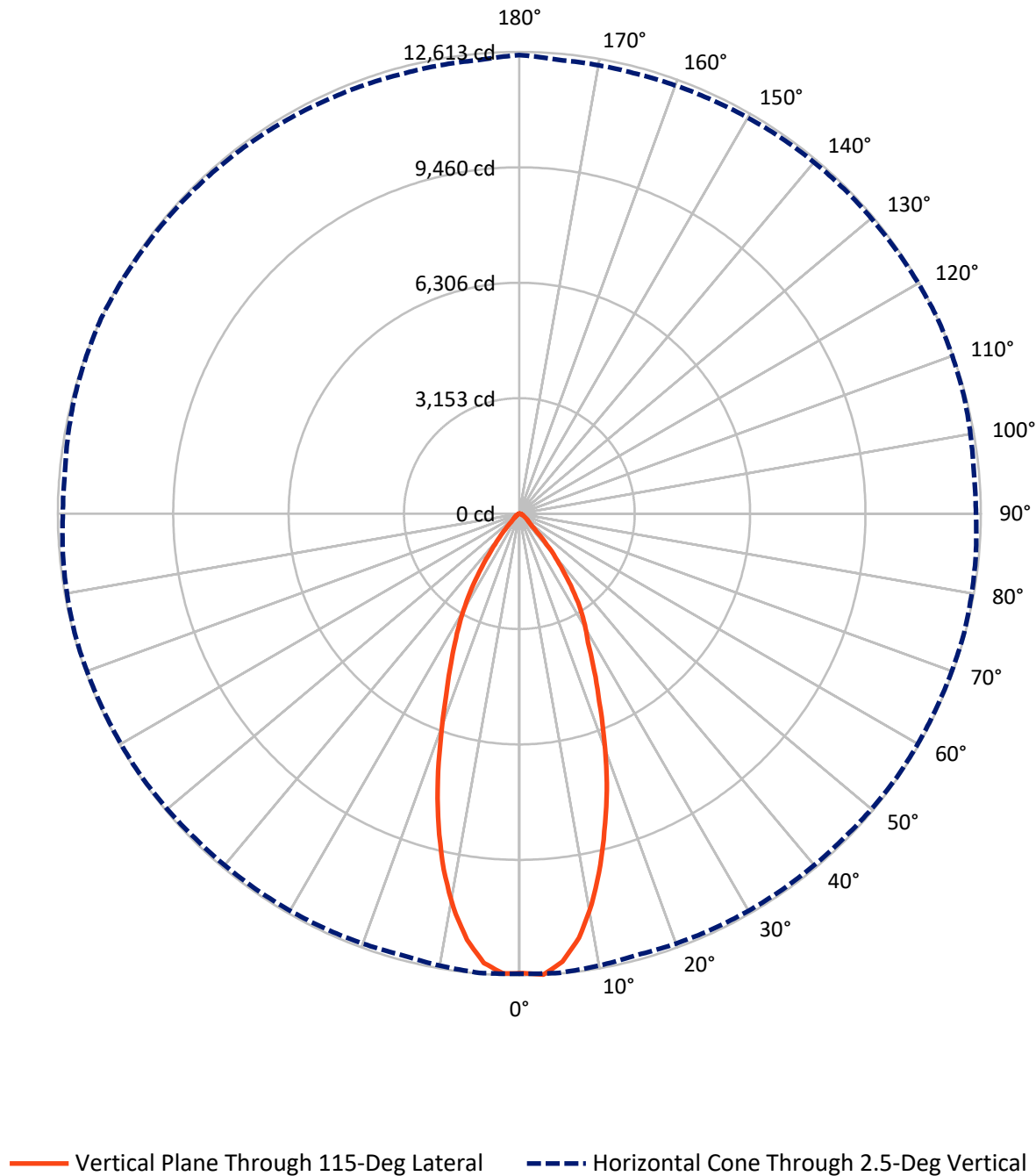


Based on 20 foot mounting height. Maximum calculated value = 31.4 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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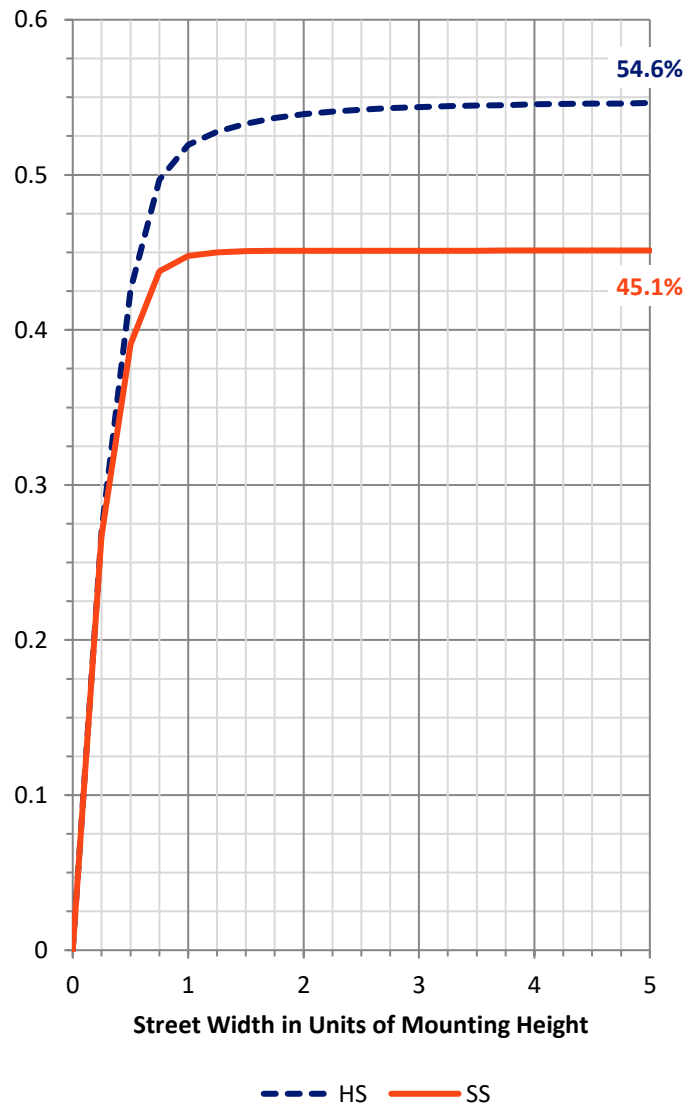
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4310.0	0.0	4310.0
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	3499.6	0.0	3499.6
	% Fixture	44.8	0.0	44.8
Total	Lumens	7809.6	0.0	7809.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1126.0	14.4
10°-20°	2379.7	30.5
20°-30°	2147.9	27.5
30°-40°	1421.4	18.2
40°-50°	425.8	5.5
50°-60°	170.8	2.2
60°-70°	88.5	1.1
70°-80°	38.4	0.5
80°-90°	11.2	0.1
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°	7809.6	100.0
0°-180°	7809.6	100.0

Coefficient of Utilization



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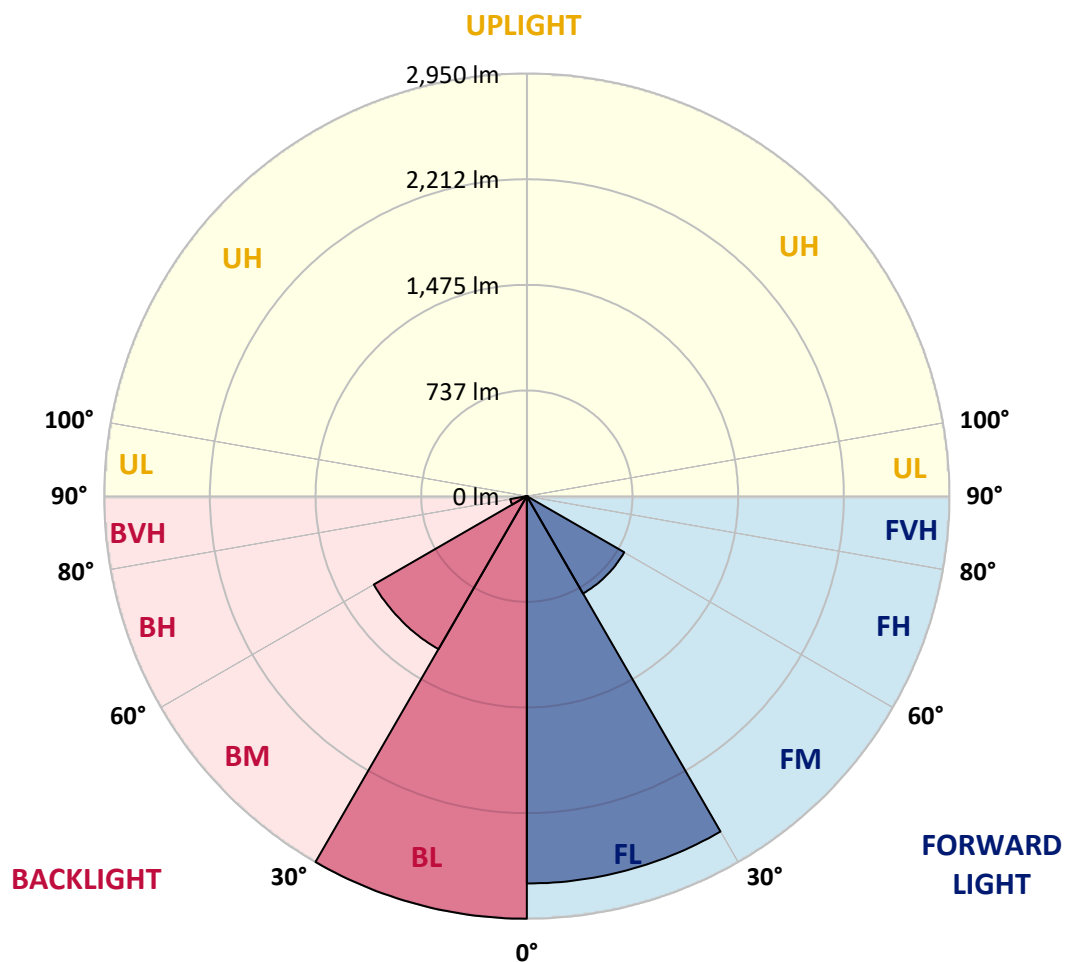
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2703.7	34.6			
FM	(30°-60°)	784.5	10.0			
FH	(60°-80°)	9.7	0.1			G0/660
FVH	(80°-90°)	1.6	0.0			G0/10
BL	(0°-30°)	2949.9	37.8	B4/5000		
BM	(30°-60°)	1233.4	15.8	B2/2500		
BH	(60°-80°)	117.1	1.5	B1/500		G1/500
BVH	(80°-90°)	9.6	0.1			G0/10
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°	12553.8	12553.8	12553.8	12553.8	12553.8	12553.8	12553.8	12553.8	12553.8	12553.8
2.5°	12569.8	12592.2	12480.4	12518.7	12534.7	12539.5	12579.4	12573.0	12584.2	12525.1
5°	12403.7	12360.6	12277.5	12279.1	12274.3	12229.6	12320.7	12314.3	12295.1	12224.8
7.5°	11838.3	11900.6	11744.1	11740.9	11737.7	11683.4	11803.2	11729.7	11745.7	11645.1
10°	11011.0	11019.0	10880.0	10867.2	10878.4	10808.1	10947.1	10918.3	10948.7	10843.3
12.5°	9996.8	10041.5	9888.2	9865.8	9910.5	9811.5	9923.3	9937.7	9892.9	9878.6
15°	7840.6	7958.8	8249.4	8693.5	8808.5	8725.4	8814.8	8813.2	8832.4	8723.8
17.5°	5973.5	5984.6	5916.0	6128.4	7358.2	7757.5	7776.7	7624.9	7509.9	7470.0
20°	5214.8	5253.1	5190.8	5208.4	5404.9	6575.6	6620.3	6391.9	6195.5	6179.5
22.5°	4611.1	4635.0	4590.3	4604.7	4614.3	4751.6	5529.4	5328.2	5234.0	5162.1
25°	4100.0	4100.0	4076.0	4080.8	4071.2	3868.4	4267.7	4497.7	4443.4	4417.8
27.5°	3633.6	3640.0	3609.6	3627.2	3510.6	3183.2	3135.3	3814.1	3756.6	3710.3
30°	3191.2	3211.9	3183.2	3192.8	2938.8	2670.5	2533.1	3181.6	3253.5	3240.7
32.5°	2402.2	2496.4	2728.0	2737.6	2392.6	2186.5	2125.8	2553.9	2827.0	2803.1
35°	1488.6	1483.8	1493.4	1953.4	1835.2	1694.6	1717.0	1929.4	2237.7	2226.5
37.5°	1135.6	1134.0	1151.6	1105.2	1202.7	1285.7	1303.3	1303.3	1633.9	1635.5
40°	860.9	854.5	852.9	779.4	653.2	964.7	935.9	912.0	1135.6	1159.6
42.5°	549.4	568.6	554.2	474.4	426.4	527.1	587.8	568.6	701.2	718.7
45°	306.7	306.7	293.9	249.2	247.6	266.7	335.4	313.0	359.4	383.3
47.5°	148.5	145.3	159.7	196.5	204.4	198.1	239.6	249.2	271.5	293.9
50°	119.8	119.8	113.4	102.2	169.3	162.9	177.3	190.1	202.8	222.0
52.5°	100.6	100.6	92.6	86.2	97.4	124.6	126.2	150.1	148.5	175.7
55°	51.1	52.7	75.1	75.1	65.5	102.2	103.8	121.4	124.6	146.9
57.5°	4.8	6.4	9.6	46.3	51.1	55.9	78.3	89.4	103.8	113.4
60°	1.6	1.6	3.2	6.4	30.3	38.3	49.5	59.1	71.9	94.2
62.5°	0.0	0.0	1.6	3.2	6.4	24.0	27.2	30.3	43.1	59.1
65°	0.0	0.0	1.6	1.6	3.2	8.0	11.2	19.2	27.2	36.7
67.5°	0.0	0.0	1.6	1.6	3.2	4.8	6.4	9.6	12.8	24.0
70°	0.0	0.0	1.6	1.6	3.2	4.8	4.8	6.4	8.0	11.2
72.5°	0.0	0.0	1.6	1.6	3.2	6.4	4.8	4.8	6.4	8.0
75°	0.0	0.0	1.6	1.6	3.2	4.8	4.8	4.8	4.8	4.8
77.5°	0.0	0.0	1.6	1.6	3.2	4.8	4.8	4.8	3.2	3.2
80°	0.0	0.0	1.6	1.6	3.2	4.8	6.4	6.4	3.2	3.2
82.5°	0.0	0.0	1.6	3.2	3.2	8.0	9.6	8.0	3.2	1.6
85°	0.0	0.0	1.6	1.6	4.8	8.0	8.0	4.8	3.2	1.6
87.5°	0.0	0.0	0.0	1.6	1.6	3.2	4.8	4.8	1.6	1.6
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°
12553.8	0°	12553.8	12553.8	12553.8	12553.8	12553.8	12553.8	12553.8	12553.8	12553.8
12477.2	2.5°	12470.8	12568.2	12612.9	12566.6	12544.3	12512.3	12466.0	12434.1	12440.4
12186.5	5°	12159.3	12261.6	12296.7	12256.8	12223.2	12205.7	12197.7	12213.6	12255.2
11601.9	7.5°	11598.7	11664.2	11702.5	11683.4	11637.1	11689.8	11704.1	11694.6	11755.3
10811.3	10°	10814.5	10886.4	10851.3	10859.2	10804.9	10832.1	10824.1	10859.2	10919.9
9867.4	12.5°	9803.5	9872.2	9845.0	9840.2	9782.7	9833.8	9801.9	9840.2	9920.1
8679.1	15°	8741.4	8784.5	8766.9	8739.8	8688.7	8706.2	8805.3	8798.9	8834.0
7446.1	17.5°	7414.1	7621.8	7735.2	7759.1	7717.6	7752.7	7823.0	7805.4	7885.3
6146.0	20°	6134.8	6344.0	6623.5	6850.3	6855.1	6859.9	6904.6	6915.8	6984.5
5163.7	22.5°	5141.3	5289.9	5590.1	5890.4	6098.0	6141.2	6136.4	6152.3	6171.5
4382.7	25°	4371.5	4480.1	4754.8	4962.4	5326.6	5448.0	5483.1	5448.0	5459.2
3694.3	27.5°	3735.8	3901.9	3993.0	4215.0	4571.1	4852.2	4841.1	4820.3	4823.5
3215.1	30°	3213.5	3392.4	3526.6	3593.7	3862.0	4267.7	4309.2	4250.1	4251.7
2791.9	32.5°	2774.3	2830.2	3028.3	3082.6	3255.1	3624.0	3766.2	3721.4	3713.4
2232.9	35°	2298.3	2328.7	2419.7	2526.7	2629.0	2908.5	3143.3	3101.7	3122.5
1641.9	37.5°	1635.5	1760.1	1847.9	1935.8	2009.3	2184.9	2467.6	2429.3	2450.1
1162.7	40°	1153.2	1209.1	1360.8	1399.1	1507.7	1589.2	1828.8	1816.0	1841.6
721.9	42.5°	709.1	749.1	825.7	862.5	935.9	982.3	1122.8	1138.8	1172.3
399.3	45°	402.5	420.1	472.8	512.7	567.0	586.2	635.7	658.0	677.2
309.9	47.5°	306.7	325.8	361.0	396.1	440.8	456.8	491.9	525.5	543.0
239.6	50°	250.8	268.3	305.1	333.8	378.5	392.9	421.7	458.4	480.8
182.1	52.5°	190.1	215.6	260.3	290.7	337.0	354.6	381.7	418.5	439.2
150.1	55°	156.5	175.7	215.6	257.1	300.3	324.2	341.8	386.5	408.9
123.0	57.5°	134.2	148.5	174.1	223.6	260.3	295.5	309.9	351.4	373.7
97.4	60°	102.2	124.6	146.9	185.3	226.8	263.5	279.5	316.2	333.8
70.3	62.5°	84.7	99.0	127.8	148.5	194.9	233.2	249.2	282.7	295.5
46.3	65°	59.1	79.9	107.0	119.8	162.9	199.6	222.0	247.6	260.3
27.2	67.5°	35.1	59.1	84.7	102.2	132.6	169.3	193.3	217.2	228.4
16.0	70°	22.4	46.3	67.1	86.2	103.8	139.0	167.7	188.5	183.7
9.6	72.5°	12.8	28.7	49.5	70.3	86.2	116.6	143.7	159.7	113.4
6.4	75°	8.0	20.8	41.5	57.5	70.3	92.6	118.2	121.4	70.3
3.2	77.5°	6.4	16.0	31.9	46.3	47.9	68.7	83.1	94.2	52.7
3.2	80°	3.2	12.8	27.2	38.3	30.3	47.9	63.9	73.5	41.5
1.6	82.5°	3.2	8.0	20.8	27.2	22.4	36.7	46.3	52.7	35.1
1.6	85°	1.6	6.4	11.2	16.0	16.0	24.0	20.8	25.6	22.4
1.6	87.5°	1.6	3.2	6.4	8.0	6.4	9.6	11.2	11.2	9.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
12553.8
12526.7
12341.4
11815.9
10943.9
9934.5
8842.0
7872.5
6970.1
6136.4
5441.6
4828.3
4253.3
3732.6
3141.7
2467.6
1851.1
1210.7
675.6
551.0
490.3
453.6
415.3
383.3
337.0
297.1
260.3
226.8
169.3
100.6
65.5
52.7
43.1
38.3
22.4
8.0
0.0

(END OF REPORT)