

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: P636488

Luminaire Tested: **IFLD-S-SA6C-935-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636488
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-935-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (96) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22830.6 lumens
Efficiency: N/A
Efficacy: 71.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 321.5
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



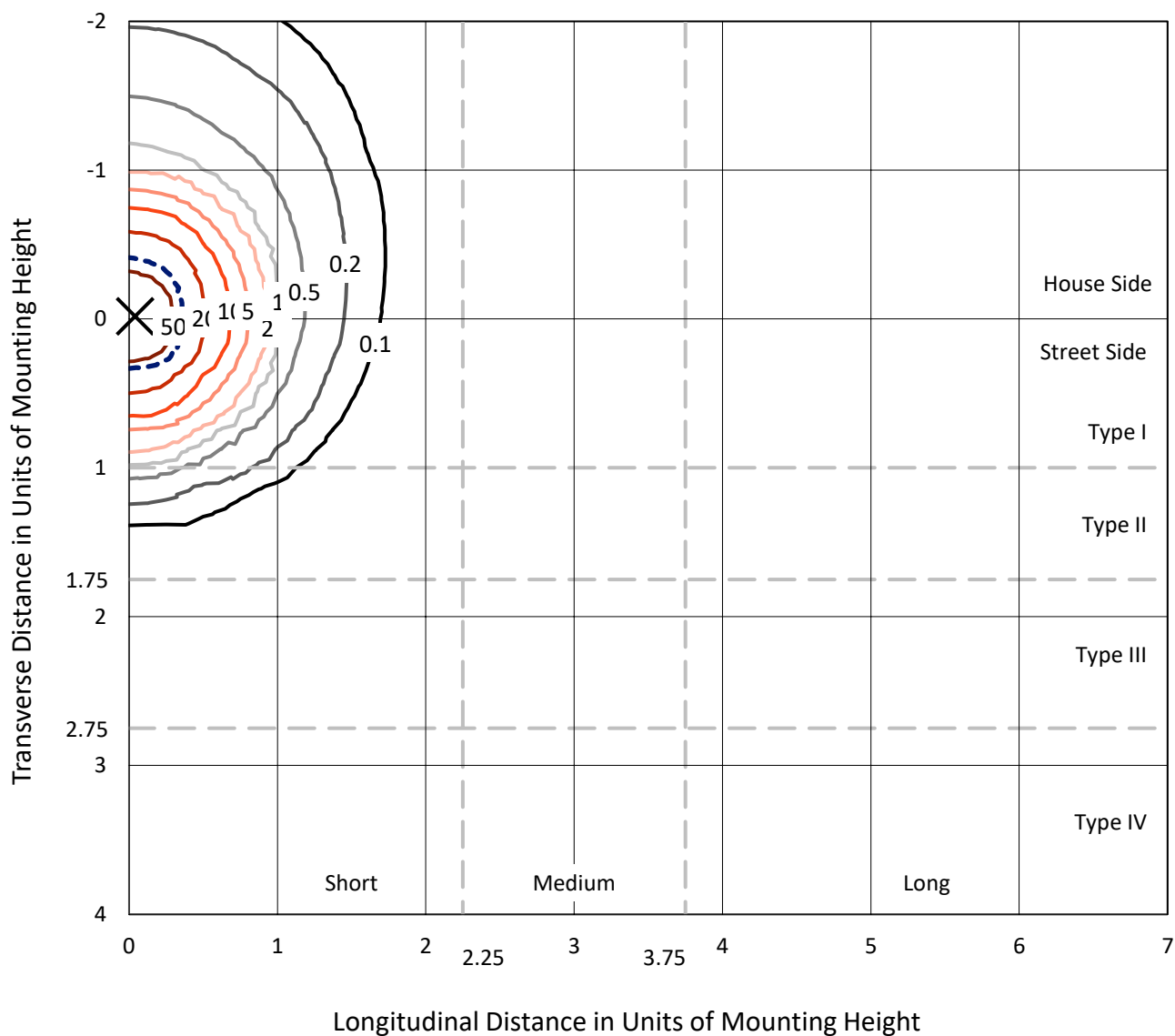
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

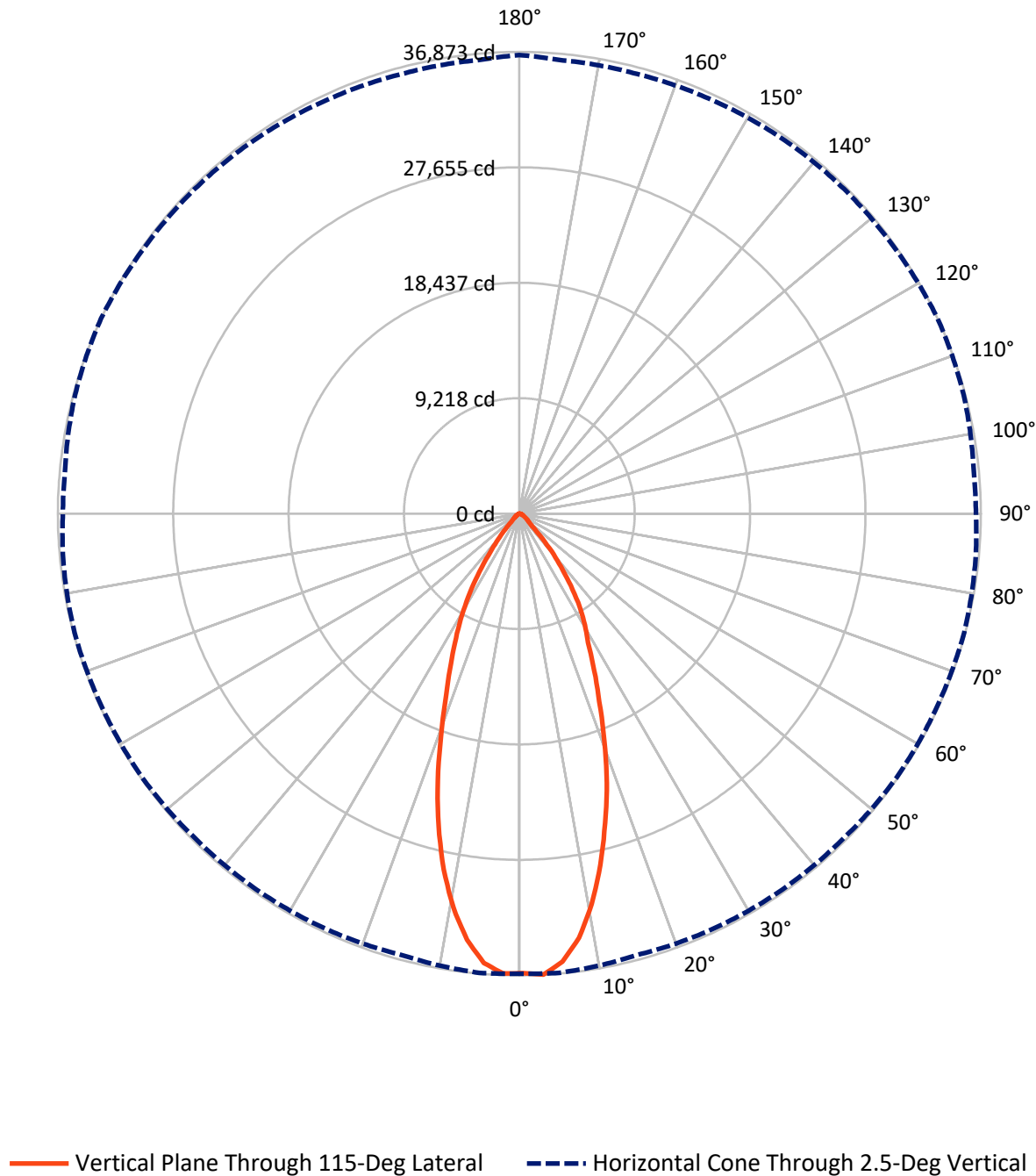


Based on 20 foot mounting height. Maximum calculated value = 91.8 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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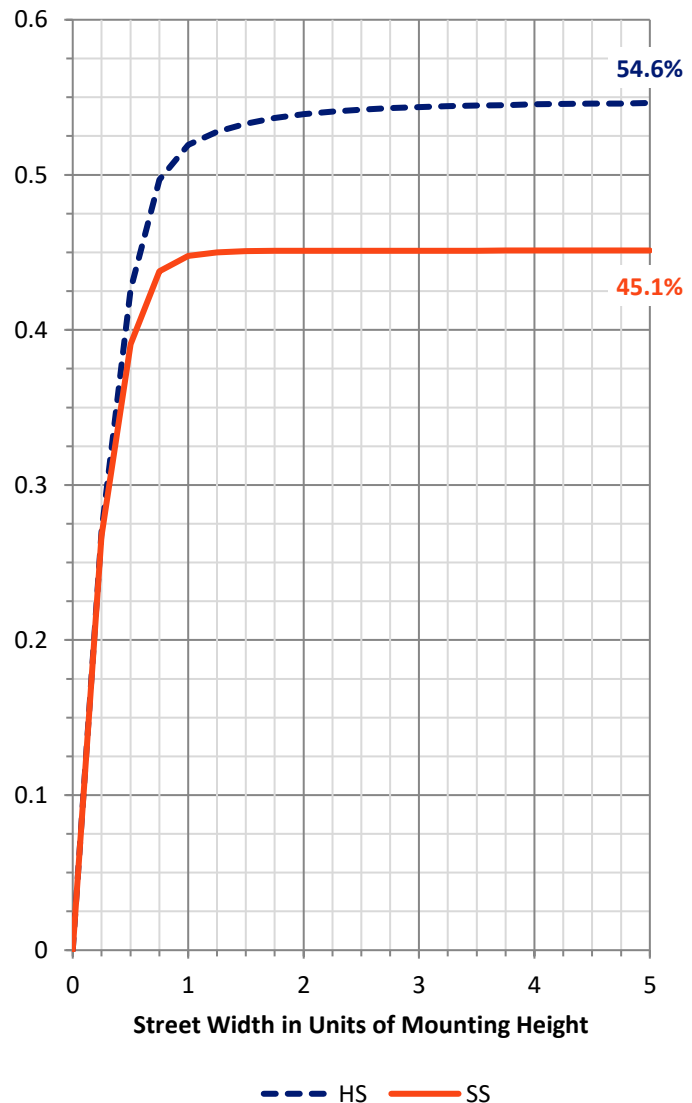
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12599.8	0.0	12599.8
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	10230.8	0.0	10230.8
	% Fixture	44.8	0.0	44.8
Total	Lumens	22830.6	0.0	22830.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3291.7	14.4
10°-20°	6957.0	30.5
20°-30°	6279.1	27.5
30°-40°	4155.3	18.2
40°-50°	1244.7	5.5
50°-60°	499.3	2.2
60°-70°	258.6	1.1
70°-80°	112.2	0.5
80°-90°	32.7	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°	22830.6	100.0
0°-180°	22830.6	100.0

Coefficient of Utilization



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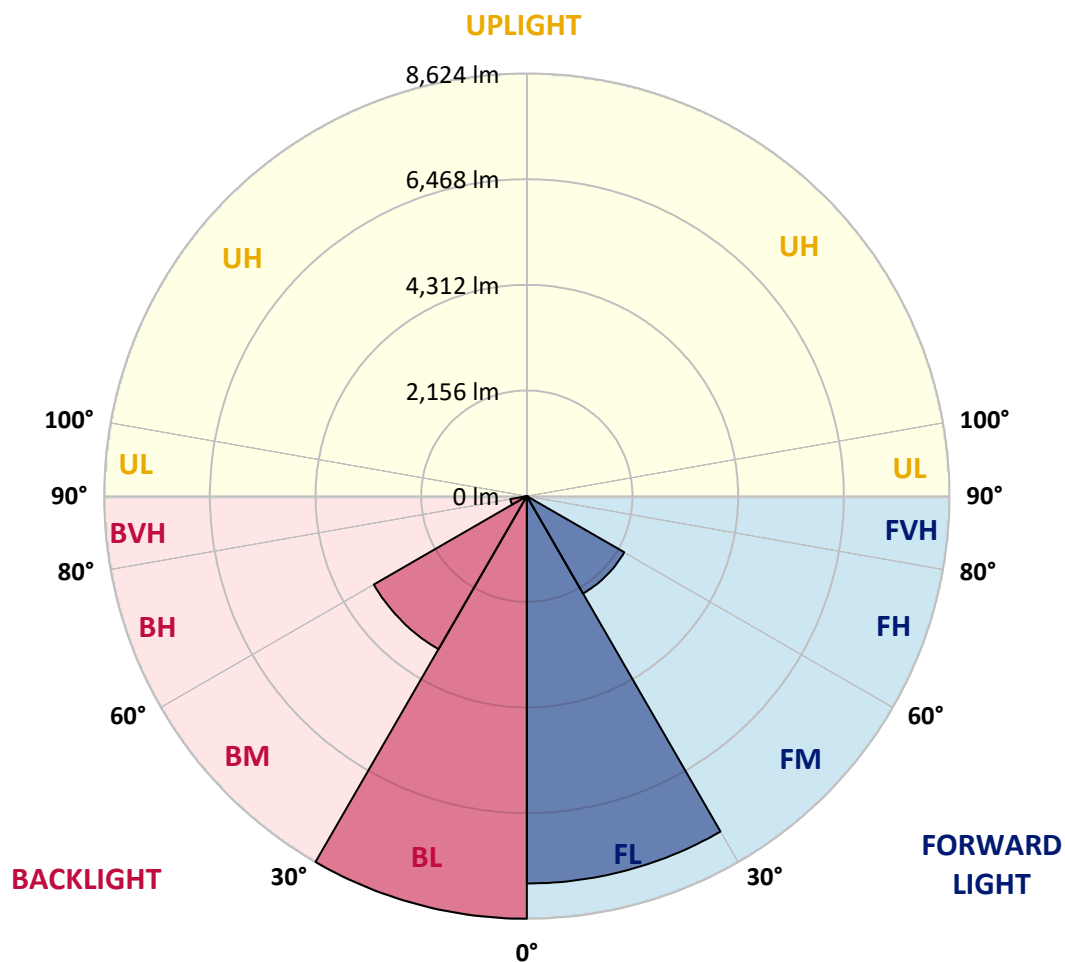
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	7904.1	34.6			
FM	(30°-60°)	2293.5	10.0			
FH	(60°-80°)	28.4	0.1			G0/660
FVH	(80°-90°)	4.7	0.0			G0/10
BL	(0°-30°)	8623.7	37.8	B5		
BM	(30°-60°)	3605.8	15.8	B3/5000		
BH	(60°-80°)	342.4	1.5	B1/500		G1/500
BVH	(80°-90°)	28.0	0.1			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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	36700.2	36700.2	36700.2	36700.2	36700.2	36700.2	36700.2	36700.2	36700.2	36700.2
2.5°	36746.9	36812.3	36485.5	36597.5	36644.2	36658.2	36774.9	36756.3	36789.0	36616.2
5°	36261.3	36135.3	35892.5	35897.1	35883.1	35752.4	36018.5	35999.9	35943.8	35738.4
7.5°	34608.4	34790.5	34332.9	34323.6	34314.3	34155.5	34505.7	34290.9	34337.6	34043.4
10°	32189.7	32213.1	31806.9	31769.5	31802.2	31596.8	32003.0	31918.9	32007.6	31699.5
12.5°	29224.8	29355.5	28907.3	28841.9	28972.6	28683.1	29010.0	29052.0	28921.3	28879.3
15°	22921.3	23266.8	24116.6	25414.7	25750.9	25508.1	25769.5	25764.9	25820.9	25503.4
17.5°	17463.0	17495.6	17294.9	17915.9	21511.2	22678.5	22734.5	22291.0	21954.8	21838.0
20°	15245.1	15357.1	15175.0	15226.4	15800.7	19223.3	19354.0	18686.3	18112.0	18065.3
22.5°	13480.1	13550.1	13419.4	13461.4	13489.4	13891.0	16164.9	15576.6	15301.1	15091.0
25°	11985.9	11985.9	11915.9	11929.9	11901.9	11308.9	12476.2	13148.6	12989.8	12915.1
27.5°	10622.5	10641.2	10552.5	10603.8	10263.0	9305.8	9165.7	11150.1	10982.1	10846.6
30°	9329.1	9389.8	9305.8	9333.8	8591.4	7807.0	7405.4	9301.1	9511.2	9473.9
32.5°	7022.5	7298.0	7975.1	8003.1	6994.5	6392.2	6214.8	7466.1	8264.6	8194.5
35°	4351.7	4337.7	4365.7	5710.5	5365.0	4954.1	5019.4	5640.4	6541.6	6508.9
37.5°	3319.8	3315.2	3366.5	3231.1	3515.9	3758.7	3810.1	3810.1	4776.6	4781.3
40°	2516.7	2498.0	2493.4	2278.6	1909.7	2820.2	2736.2	2666.1	3319.8	3389.9
42.5°	1606.2	1662.2	1620.2	1386.8	1246.7	1540.8	1718.3	1662.2	2049.8	2101.2
45°	896.5	896.5	859.1	728.4	723.7	779.8	980.5	915.2	1050.6	1120.6
47.5°	434.2	424.9	466.9	574.3	597.7	579.0	700.4	728.4	793.8	859.1
50°	350.2	350.2	331.5	298.8	494.9	476.3	518.3	555.6	593.0	649.0
52.5°	294.2	294.2	270.8	252.1	284.8	364.2	368.9	438.9	434.2	513.6
55°	149.4	154.1	219.5	219.5	191.4	298.8	303.5	354.9	364.2	429.6
57.5°	14.0	18.7	28.0	135.4	149.4	163.4	228.8	261.5	303.5	331.5
60°	4.7	4.7	9.3	18.7	88.7	112.1	144.7	172.8	210.1	275.5
62.5°	0.0	0.0	4.7	9.3	18.7	70.0	79.4	88.7	126.1	172.8
65°	0.0	0.0	4.7	4.7	9.3	23.3	32.7	56.0	79.4	107.4
67.5°	0.0	0.0	4.7	4.7	9.3	14.0	18.7	28.0	37.4	70.0
70°	0.0	0.0	4.7	4.7	9.3	14.0	14.0	18.7	23.3	32.7
72.5°	0.0	0.0	4.7	4.7	9.3	18.7	14.0	14.0	18.7	23.3
75°	0.0	0.0	4.7	4.7	9.3	14.0	14.0	14.0	14.0	14.0
77.5°	0.0	0.0	4.7	4.7	9.3	14.0	14.0	14.0	9.3	9.3
80°	0.0	0.0	4.7	4.7	9.3	14.0	18.7	18.7	9.3	9.3
82.5°	0.0	0.0	4.7	9.3	9.3	23.3	28.0	23.3	9.3	4.7
85°	0.0	0.0	4.7	4.7	14.0	23.3	23.3	14.0	9.3	4.7
87.5°	0.0	0.0	0.0	4.7	4.7	9.3	14.0	14.0	4.7	4.7
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°
36700.2	0°	36700.2	36700.2	36700.2	36700.2	36700.2	36700.2	36700.2	36700.2	36700.2
36476.1	2.5°	36457.4	36742.3	36873.0	36737.6	36672.2	36578.8	36443.4	36350.0	36368.7
35626.3	5°	35546.9	35845.8	35948.5	35831.8	35733.7	35682.3	35659.0	35705.7	35827.1
33917.4	7.5°	33908.0	34099.5	34211.5	34155.5	34020.1	34174.2	34216.2	34188.2	34365.6
31606.1	10°	31615.4	31825.5	31722.8	31746.2	31587.4	31666.8	31643.4	31746.2	31923.6
28846.6	12.5°	28659.8	28860.6	28781.2	28767.2	28599.1	28748.5	28655.1	28767.2	29000.7
25372.7	15°	25554.8	25680.8	25629.5	25550.1	25400.7	25452.0	25741.5	25722.9	25825.6
21768.0	17.5°	21674.6	22281.6	22613.1	22683.2	22561.8	22664.5	22869.9	22818.6	23052.0
17967.2	20°	17934.6	18546.2	19363.3	20026.4	20040.4	20054.4	20185.1	20217.8	20418.6
15095.7	22.5°	15030.3	15464.5	16342.3	17220.2	17827.2	17953.2	17939.2	17985.9	18041.9
12812.4	25°	12779.7	13097.2	13900.3	14507.3	15571.9	15926.8	16029.5	15926.8	15959.5
10800.0	27.5°	10921.4	11407.0	11673.1	12322.1	13363.4	14185.2	14152.5	14091.8	14101.1
9399.2	30°	9394.5	9917.5	10309.7	10505.8	11290.2	12476.2	12597.6	12424.9	12429.5
8161.8	32.5°	8110.5	8273.9	8852.9	9011.6	9515.9	10594.5	11010.1	10879.3	10856.0
6527.6	35°	6719.0	6807.8	7073.9	7386.7	7685.6	8502.7	9189.1	9067.7	9128.4
4800.0	37.5°	4781.3	5145.5	5402.3	5659.1	5873.9	6387.5	7214.0	7101.9	7162.6
3399.2	40°	3371.2	3534.6	3978.2	4090.3	4407.8	4645.9	5346.3	5308.9	5383.6
2110.5	42.5°	2073.1	2189.9	2414.0	2521.4	2736.2	2871.6	3282.5	3329.2	3427.2
1167.3	45°	1176.6	1228.0	1382.1	1498.8	1657.6	1713.6	1858.4	1923.7	1979.8
905.8	47.5°	896.5	952.5	1055.2	1158.0	1288.7	1335.4	1438.1	1536.2	1587.5
700.4	50°	733.1	784.4	891.8	975.9	1106.6	1148.6	1232.7	1340.1	1405.4
532.3	52.5°	555.6	630.3	761.1	849.8	985.2	1036.6	1115.9	1223.3	1284.0
438.9	55°	457.6	513.6	630.3	751.7	877.8	947.9	999.2	1130.0	1195.3
359.5	57.5°	392.2	434.2	508.9	653.7	761.1	863.8	905.8	1027.2	1092.6
284.8	60°	298.8	364.2	429.6	541.6	663.0	770.4	817.1	924.5	975.9
205.4	62.5°	247.5	289.5	373.5	434.2	569.6	681.7	728.4	826.5	863.8
135.4	65°	172.8	233.5	312.8	350.2	476.3	583.7	649.0	723.7	761.1
79.4	67.5°	102.7	172.8	247.5	298.8	387.5	494.9	565.0	635.0	667.7
46.7	70°	65.4	135.4	196.1	252.1	303.5	406.2	490.3	551.0	537.0
28.0	72.5°	37.4	84.0	144.7	205.4	252.1	340.9	420.2	466.9	331.5
18.7	75°	23.3	60.7	121.4	168.1	205.4	270.8	345.5	354.9	205.4
9.3	77.5°	18.7	46.7	93.4	135.4	140.1	200.8	242.8	275.5	154.1
9.3	80°	9.3	37.4	79.4	112.1	88.7	140.1	186.8	214.8	121.4
4.7	82.5°	9.3	23.3	60.7	79.4	65.4	107.4	135.4	154.1	102.7
4.7	85°	4.7	18.7	32.7	46.7	46.7	70.0	60.7	74.7	65.4
4.7	87.5°	4.7	9.3	18.7	23.3	18.7	28.0	32.7	32.7	28.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
36700.2
36620.9
36079.2
34543.0
31993.6
29042.7
25848.9
23014.7
20376.6
17939.2
15908.1
14115.1
12434.2
10912.0
9184.4
7214.0
5411.7
3539.3
1975.1
1610.9
1433.5
1326.1
1214.0
1120.6
985.2
868.5
761.1
663.0
494.9
294.2
191.4
154.1
126.1
112.1
65.4
23.3
0.0

(END OF REPORT)