

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: P148085

Luminaire Tested: **AVS-F01-LED-E-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P148085
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33675)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVS-F01-LED-E-U-5WQ
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (7) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2628.3 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G1

Input Watts (W): 25.9
Input Voltage (V): NR
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: 28.75 FT



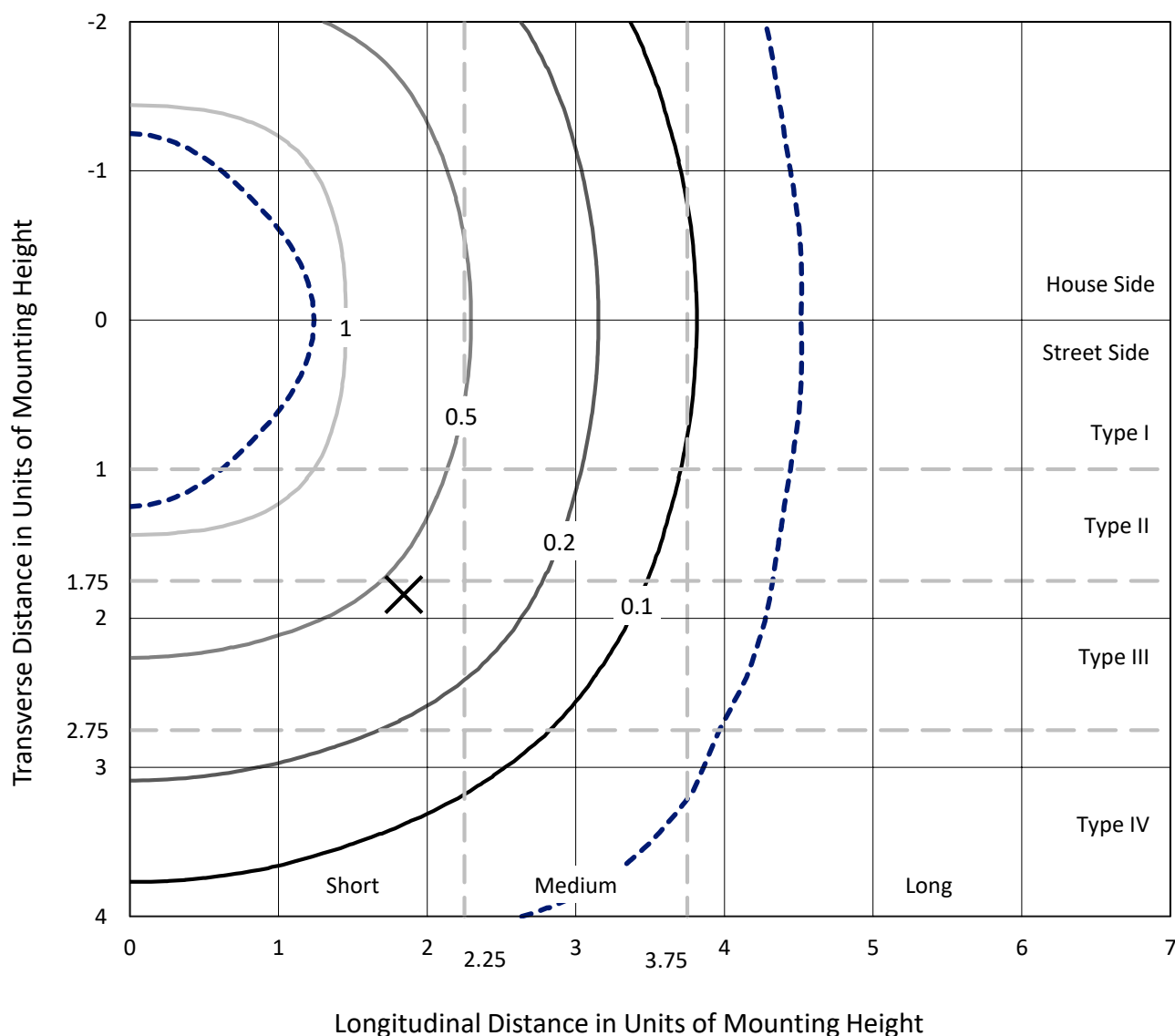
REPORT NUMBER: P148085

CATALOG NUMBER: AVS-F01-LED-E-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

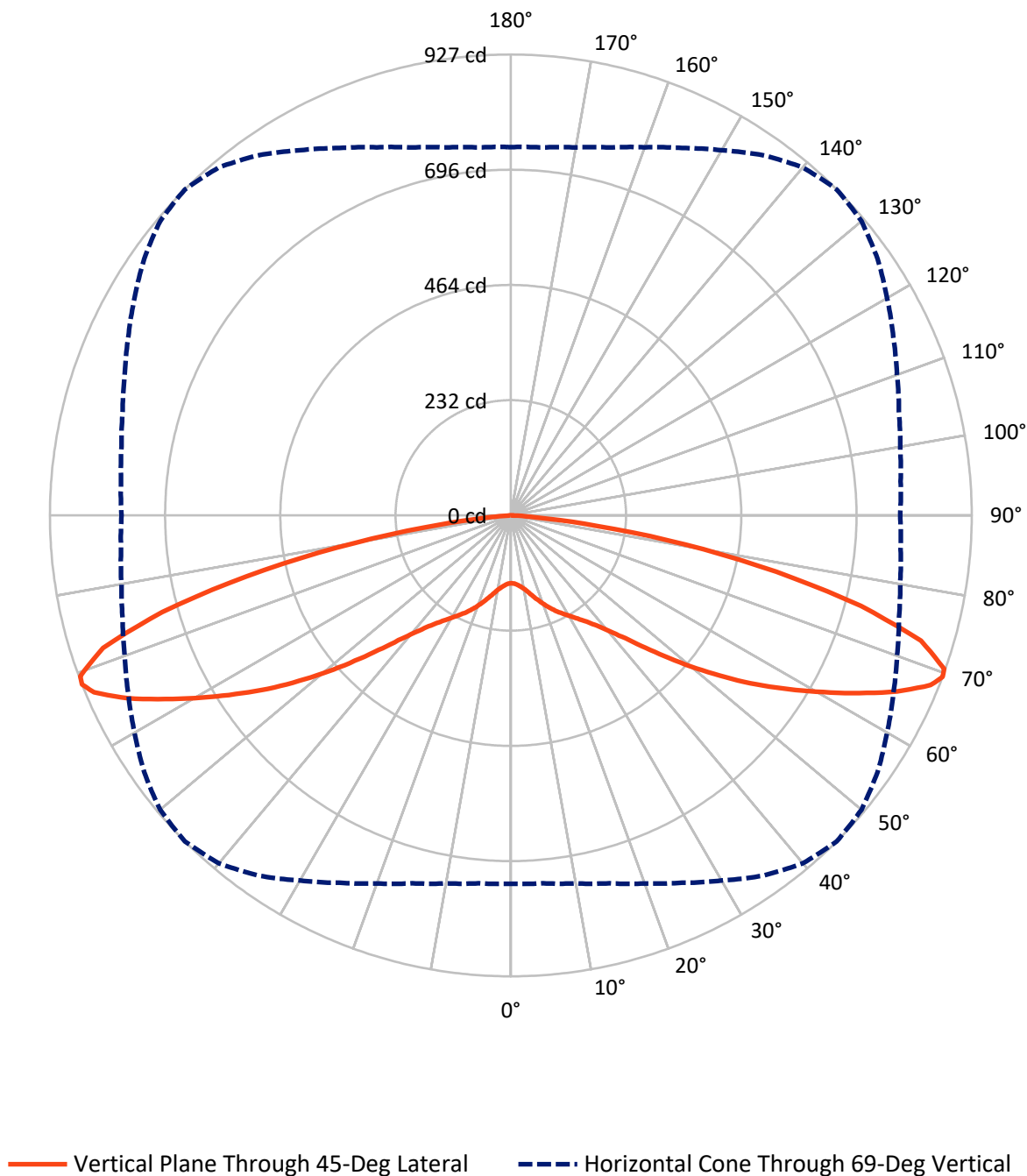


Based on 10 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - Semi-Cutoff

REPORT NUMBER: P148085

CATALOG NUMBER: AVS-F01-LED-E-U-5WQ

Luminous Intensity Polar Plot



REPORT NUMBER: P148085

CATALOG NUMBER: AVS-F01-LED-E-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1314.2	0.0	1314.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1314.2	0.0	1314.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	2628.3	0.0	2628.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.7	0.5
10°-20°	48.4	1.8
20°-30°	98.0	3.7
30°-40°	164.3	6.3
40°-50°	289.8	11.0
50°-60°	511.1	19.4
60°-70°	780.2	29.7
70°-80°	652.0	24.8
80°-90°	70.8	2.7
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°	2628.3	100.0
0°-180°	2628.3	100.0

Coefficient of Utilization



REPORT NUMBER: P148085

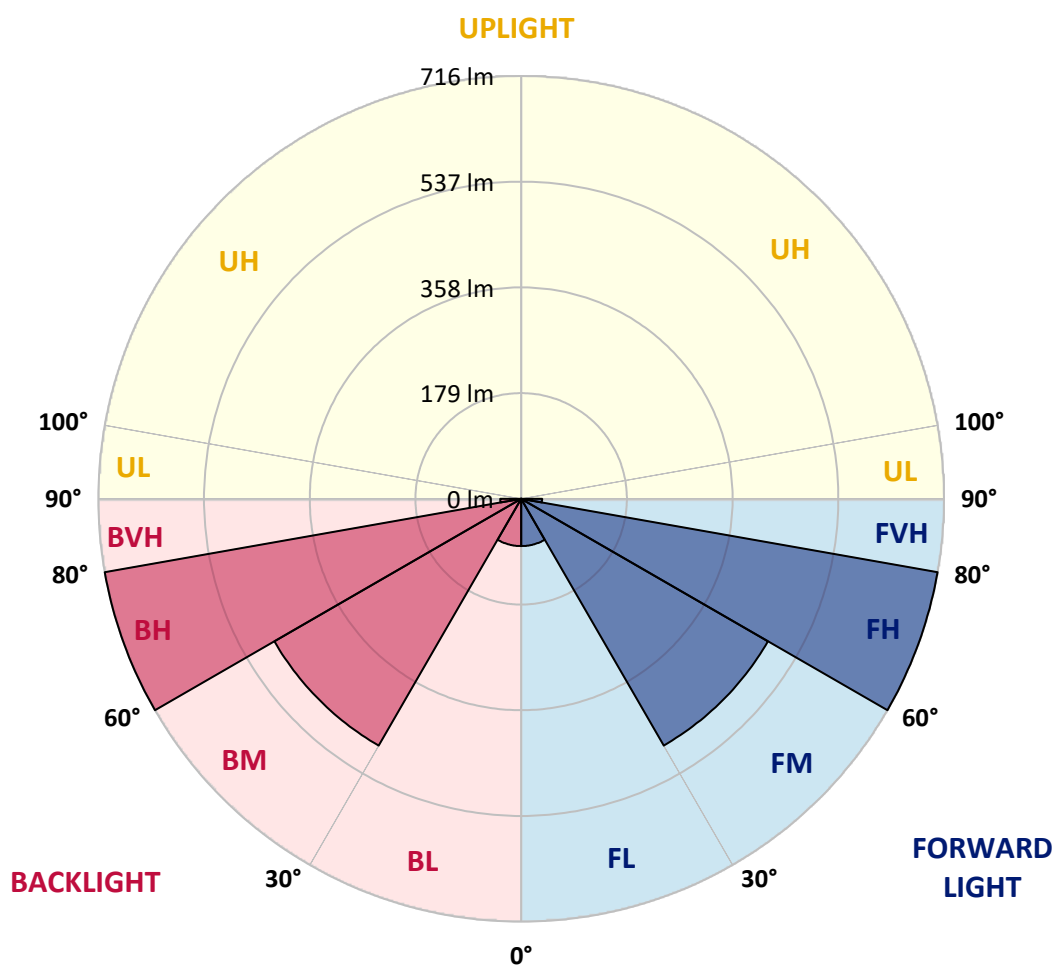
CATALOG NUMBER: AVS-F01-LED-E-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	80.0	3.0			
FM	(30°-60°)	482.6	18.4			
FH	(60°-80°)	716.1	27.2			G1/1800
FVH	(80°-90°)	35.4	1.3			G1/100
BL	(0°-30°)	80.0	3.0	B0/110		
BM	(30°-60°)	482.6	18.4	B1/1000		
BH	(60°-80°)	716.1	27.2	B2/1000		G1/1800
BVH	(80°-90°)	35.4	1.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





REPORT NUMBER: P148085

CATALOG NUMBER: AVS-F01-LED-E-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	136.5	136.5	136.5	136.5	136.5	136.5	136.5	136.5	136.5	136.5	136.5
2.5°	137.6	137.8	137.6	137.6	137.6	137.6	137.6	137.3	137.3	137.3	137.6
5°	140.3	140.6	140.3	140.6	140.6	140.6	140.6	140.3	140.3	140.3	140.3
7.5°	144.8	144.8	144.8	145.0	144.8	144.8	145.0	144.8	144.8	144.8	144.8
10°	151.1	150.8	150.8	150.8	150.8	150.8	151.1	151.1	151.1	150.8	150.8
12.5°	158.8	158.5	158.8	158.8	159.1	159.1	159.1	159.1	159.1	159.1	158.8
15°	168.1	168.1	168.1	168.4	168.9	168.9	168.7	168.9	168.9	168.9	168.9
17.5°	178.5	179.2	178.5	178.9	179.2	178.9	179.4	179.7	180.0	179.7	178.9
20°	189.3	189.6	189.6	189.6	189.6	190.2	190.5	190.5	191.3	191.0	190.7
22.5°	199.5	200.1	200.1	200.3	200.3	201.1	201.1	201.1	201.7	202.3	201.7
25°	210.3	209.9	209.9	210.5	210.8	211.9	211.9	212.4	213.3	213.6	213.0
27.5°	219.9	219.6	219.6	220.4	220.7	222.1	222.1	223.2	223.7	224.0	223.4
30°	230.1	230.1	229.7	230.6	231.4	232.5	233.1	234.2	235.0	235.2	234.7
32.5°	242.2	241.6	241.9	242.4	243.0	244.0	244.9	246.3	247.4	247.7	247.2
35°	256.0	255.1	255.3	256.0	256.8	258.3	259.8	260.6	262.3	262.8	261.7
37.5°	271.1	271.3	271.1	272.4	273.8	275.8	277.4	278.4	280.1	280.9	280.1
40°	292.5	291.7	292.5	293.9	296.1	298.5	301.9	302.7	304.4	306.0	304.0
42.5°	320.3	319.8	321.7	322.8	325.3	328.0	332.1	334.3	336.8	337.9	336.3
45°	356.6	356.6	358.9	359.1	363.0	366.5	372.3	375.0	379.8	379.8	379.8
47.5°	396.8	398.4	399.8	402.6	405.3	411.9	417.7	423.7	428.2	428.7	427.9
50°	438.3	440.0	444.1	448.0	454.0	462.3	468.6	476.6	480.4	483.7	482.7
52.5°	484.4	484.6	489.5	494.5	503.3	512.3	522.6	530.8	537.7	540.7	538.2
55°	534.7	535.2	539.6	544.9	554.7	565.2	577.8	586.4	595.2	600.7	596.6
57.5°	589.1	589.4	593.8	600.2	612.0	622.5	634.5	646.6	654.9	659.9	657.1
60°	649.4	650.8	654.1	662.1	673.4	684.4	696.5	707.2	716.8	722.1	719.3
62.5°	713.8	715.1	719.9	726.2	736.1	748.2	759.8	773.5	781.5	787.3	783.1
65°	757.0	759.5	766.9	775.4	790.1	805.7	819.2	837.9	847.6	854.4	850.6
67.5°	759.8	761.1	770.3	783.1	802.7	826.3	853.9	883.0	902.1	911.1	904.5
69°	741.0	743.0	751.8	766.3	788.1	815.6	848.4	884.7	913.9	927.4	921.0
70°	719.9	723.9	733.6	749.5	770.8	799.7	833.5	872.3	906.4	924.9	920.2
72.5°	675.2	676.4	682.7	695.3	711.6	735.5	767.5	804.0	836.6	862.9	866.8
75°	599.4	602.9	607.6	616.2	624.4	641.7	663.2	688.2	707.2	727.6	728.4
77.5°	453.0	463.6	467.3	469.2	472.7	486.5	505.2	526.9	542.7	545.9	545.4
80°	203.3	217.6	220.9	236.7	246.3	269.1	297.7	331.0	353.4	355.8	349.7
82.5°	39.9	42.7	49.8	62.2	84.8	98.2	117.0	140.3	161.8	174.2	166.7
85°	13.2	14.0	16.3	17.9	20.6	23.4	28.4	35.2	43.7	48.4	43.2
87.5°	5.2	5.2	6.0	6.6	7.2	7.2	7.2	6.6	6.3	5.2	4.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P148085

CATALOG NUMBER: AVS-F01-LED-E-U-5WQ

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	136.5	136.5	136.5	136.5	136.5	136.5	136.5	136.5
2.5°	137.3	137.3	137.3	137.3	137.3	137.3	137.3	137.3
5°	140.3	140.1	140.1	139.8	139.8	139.8	139.8	139.8
7.5°	144.5	144.1	143.9	144.1	143.9	143.9	143.9	143.9
10°	150.8	150.3	149.9	149.7	149.7	149.7	149.4	149.4
12.5°	158.2	158.2	157.9	157.7	157.1	157.4	157.1	156.6
15°	168.4	167.9	167.6	167.4	166.7	166.7	166.7	166.5
17.5°	178.5	178.0	178.0	177.2	176.9	176.9	176.9	177.2
20°	189.8	189.0	188.5	188.0	187.4	187.7	187.2	187.7
22.5°	201.1	200.1	199.5	198.7	197.8	197.8	197.6	197.0
25°	212.1	210.8	210.3	209.4	208.3	208.3	207.8	207.3
27.5°	222.6	221.2	220.7	219.1	217.9	217.6	217.1	216.8
30°	234.2	232.5	231.7	230.1	228.4	228.1	227.3	227.3
32.5°	246.3	244.7	244.0	241.6	240.2	240.2	239.7	239.2
35°	261.5	259.0	258.3	256.0	254.0	254.0	253.5	253.7
37.5°	279.3	277.4	275.4	273.6	271.3	271.1	270.5	269.9
40°	303.2	301.0	298.9	296.1	294.2	293.6	292.7	292.5
42.5°	335.1	333.0	328.6	326.3	324.5	322.8	322.5	322.3
45°	375.9	373.2	370.2	366.0	363.5	359.9	359.4	358.0
47.5°	424.9	419.7	414.4	410.9	406.9	402.9	402.1	399.8
50°	476.9	472.7	463.9	458.1	452.1	448.0	445.2	444.5
52.5°	532.7	525.1	516.3	508.5	499.7	494.2	489.2	487.9
55°	591.1	580.1	569.0	560.0	551.2	544.6	539.9	537.7
57.5°	649.4	637.3	625.2	615.3	607.9	599.4	594.6	593.6
60°	710.3	698.7	686.3	676.4	667.3	659.9	657.1	651.9
62.5°	774.6	762.5	751.0	741.3	729.7	724.6	719.9	716.8
65°	837.9	823.8	809.3	799.1	787.6	780.1	774.3	770.3
67.5°	886.8	865.7	846.1	829.1	813.4	801.9	794.4	790.6
69°	900.6	874.2	849.2	826.9	808.5	795.5	787.3	783.4
70°	899.0	869.8	842.3	817.8	797.7	783.9	776.0	768.8
72.5°	848.1	821.3	790.9	764.1	746.0	732.7	724.8	720.9
75°	723.7	705.8	683.8	663.2	649.9	642.3	632.3	632.6
77.5°	526.9	527.5	512.6	491.5	476.6	473.9	469.4	465.1
80°	326.9	300.7	283.7	260.8	244.0	229.5	223.2	209.4
82.5°	150.8	117.8	91.4	69.1	53.1	41.6	36.4	29.7
85°	33.6	25.6	21.1	17.1	14.6	13.5	11.0	10.2
87.5°	4.7	4.1	3.8	3.6	3.0	2.2	1.7	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)