

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: P148600

Luminaire Tested: **AVS-E01-LED-E-U-5XQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P148600
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33676)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVS-E01-LED-E-U-5XQ
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3180.4 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B2 - U0 - G1

Input Watts (W): 24.7
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



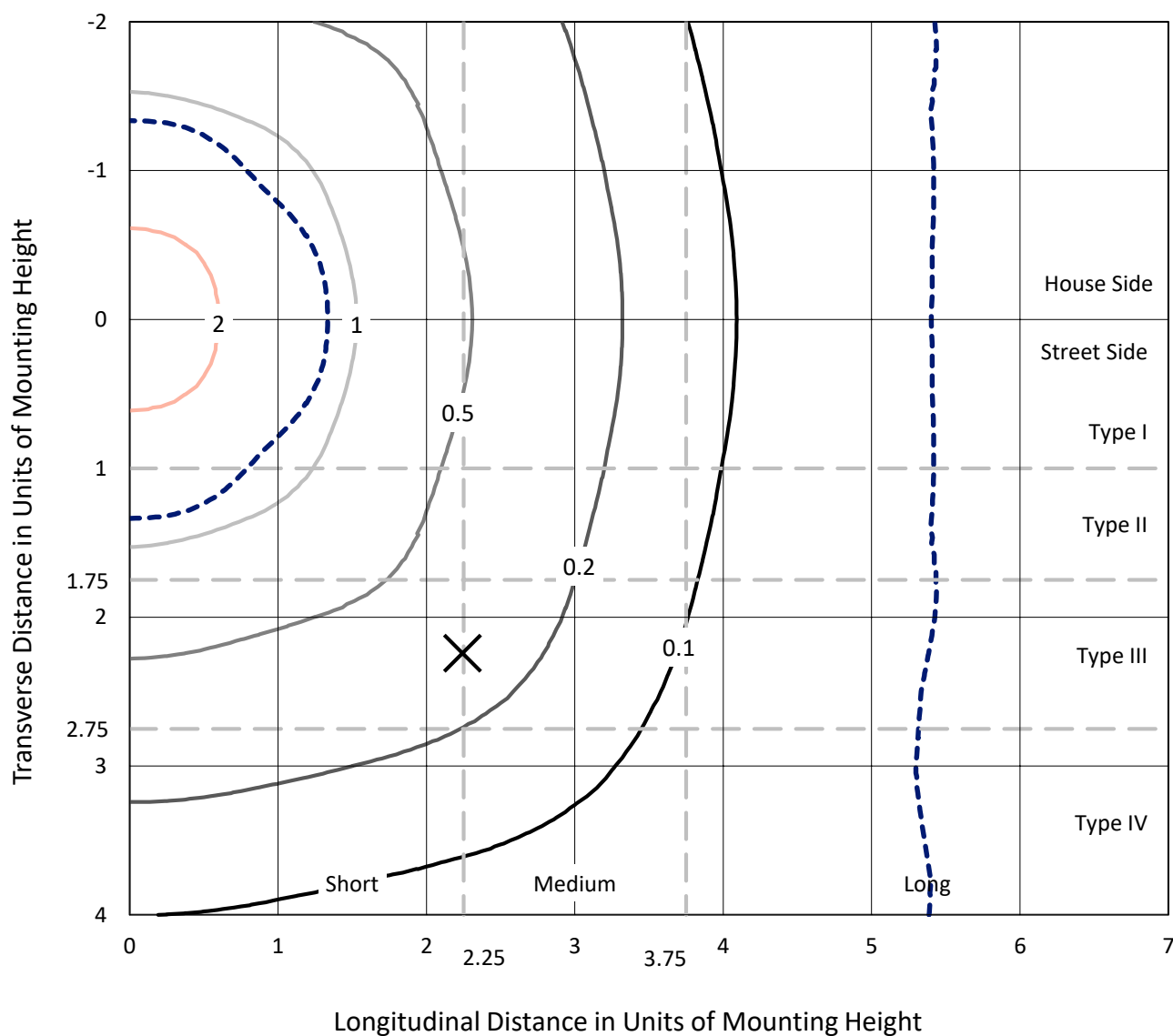
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

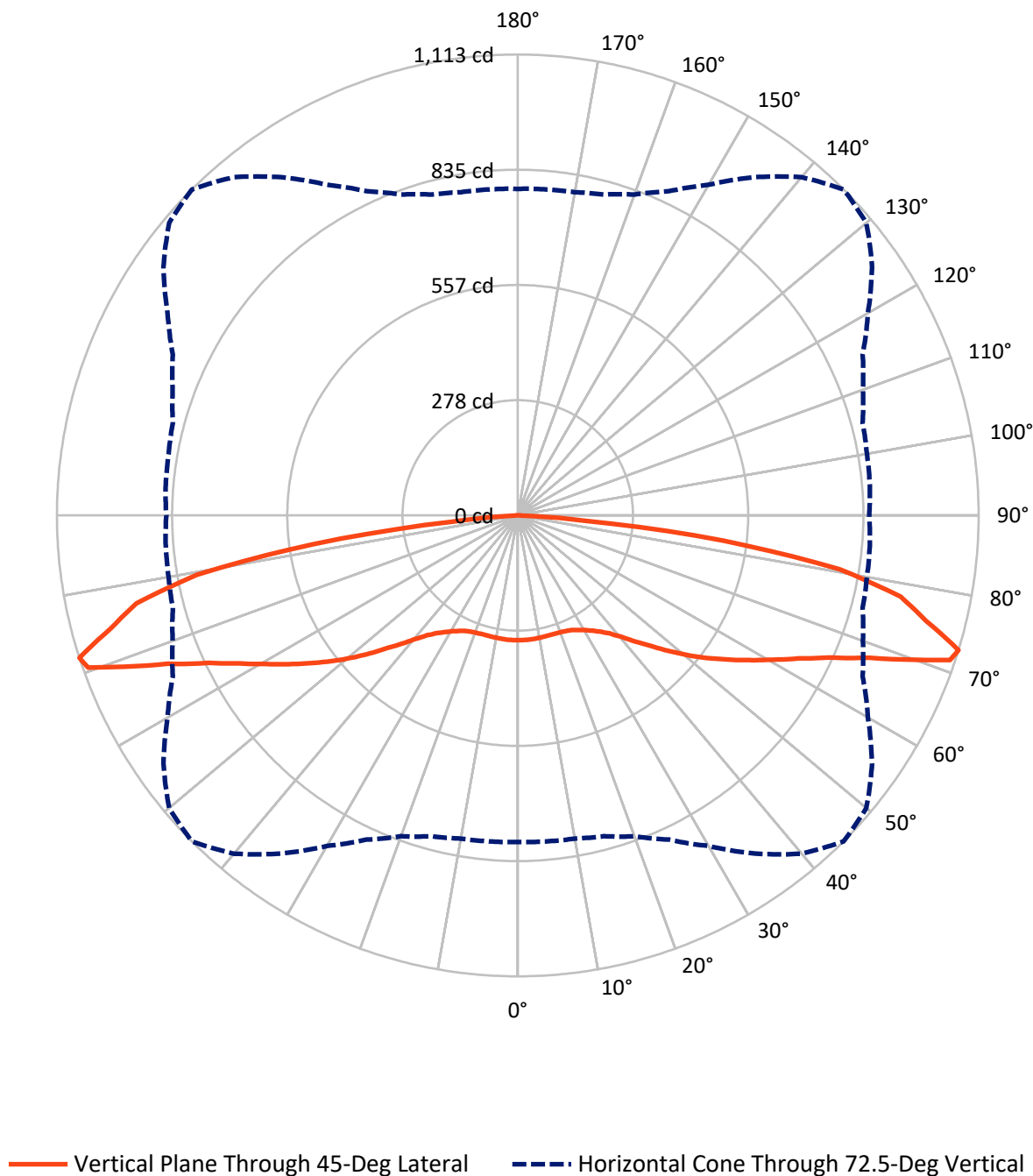


Based on 10 foot mounting height. Maximum calculated value = 3 fc
Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1590.2	0.0	1590.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1590.2	0.0	1590.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	3180.4	0.0	3180.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.7	0.9
10°-20°	85.0	2.7
20°-30°	142.3	4.5
30°-40°	216.9	6.8
40°-50°	346.3	10.9
50°-60°	532.5	16.7
60°-70°	775.2	24.4
70°-80°	873.3	27.5
80°-90°	180.3	5.7
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°	3180.4	100.0
0°-180°	3180.4	100.0

Coefficient of Utilization



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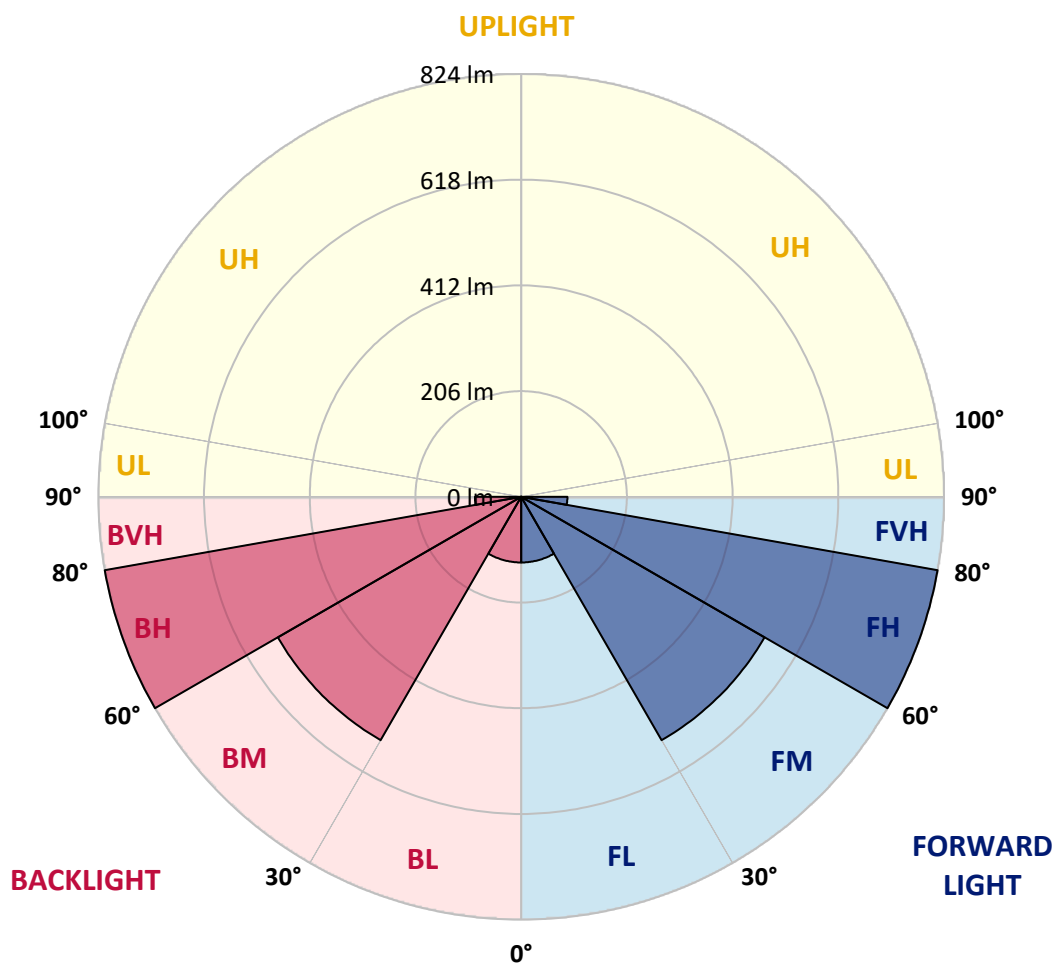
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	128.0	4.0			
FM	(30°-60°)	547.8	17.2			
FH	(60°-80°)	824.3	25.9			G1/1800
FVH	(80°-90°)	90.1	2.8			G1/100
BL	(0°-30°)	128.0	4.0	B1/500		
BM	(30°-60°)	547.8	17.2	B1/1000		
BH	(60°-80°)	824.3	25.9	B2/1000		G1/1800
BVH	(80°-90°)	90.1	2.8			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	301.3	301.3	301.3	301.3	301.3	301.3	301.3	301.3	301.3	301.3	301.3
2.5°	301.8	302.0	301.9	301.8	301.9	301.8	301.6	301.6	300.9	301.2	301.8
5°	301.8	301.7	301.6	301.6	301.6	301.8	301.6	301.2	301.1	301.3	301.0
7.5°	301.8	301.3	301.1	301.0	301.1	301.2	301.0	300.7	300.9	300.7	300.3
10°	301.1	300.9	301.0	300.6	300.7	300.7	300.3	300.1	300.3	300.0	299.6
12.5°	301.3	300.9	300.8	300.6	300.5	300.5	300.1	299.7	299.8	299.6	299.2
15°	301.3	301.0	301.0	300.6	300.5	300.4	299.9	299.7	299.7	299.5	299.0
17.5°	301.6	301.3	301.3	300.9	300.7	300.6	300.1	299.8	300.1	299.6	299.3
20°	302.0	301.9	302.0	301.7	301.3	301.3	300.9	300.7	300.8	300.7	299.9
22.5°	303.0	303.0	303.1	303.0	303.0	303.1	302.8	302.8	302.8	302.8	302.1
25°	305.9	305.7	305.9	305.9	306.0	306.6	306.3	306.2	306.7	306.6	305.9
27.5°	311.2	311.0	311.2	311.3	311.7	312.5	312.3	312.5	313.3	313.2	312.4
30°	317.3	317.1	317.6	318.0	318.4	319.6	319.1	320.3	320.8	321.5	320.9
32.5°	326.3	326.3	327.0	327.5	328.2	329.3	329.5	330.5	331.2	332.1	331.5
35°	338.3	338.1	338.8	339.3	340.2	341.3	341.8	343.1	344.2	344.9	343.7
37.5°	356.7	355.8	356.9	357.1	357.9	358.1	359.4	361.0	362.3	362.1	361.3
40°	381.6	381.3	380.9	380.4	381.6	382.0	382.0	384.2	386.2	385.9	385.8
42.5°	410.5	409.7	409.2	409.3	409.9	410.1	412.6	414.3	415.8	416.1	415.8
45°	441.7	440.9	441.0	440.7	441.0	442.1	443.5	446.6	449.3	449.4	448.0
47.5°	475.2	472.8	474.6	472.1	473.7	474.5	478.2	482.8	487.5	488.3	487.0
50°	509.2	508.9	508.8	508.3	509.0	510.9	515.4	522.5	527.0	530.1	528.0
52.5°	546.3	545.1	544.5	543.7	544.5	548.0	554.4	560.6	568.7	572.1	569.3
55°	582.6	582.1	579.9	579.8	581.5	586.9	594.0	601.6	610.4	614.2	613.2
57.5°	619.7	617.2	616.6	615.5	618.8	624.0	632.6	646.2	655.3	659.7	657.2
60°	656.0	654.2	652.7	652.4	654.6	662.0	674.2	690.7	702.0	707.6	703.6
62.5°	695.0	693.9	692.2	690.3	694.8	704.2	719.6	737.7	754.3	761.3	755.2
65°	743.4	741.1	739.3	736.8	740.6	752.4	771.7	797.2	819.5	827.7	823.3
67.5°	794.6	792.4	792.5	791.1	797.7	814.2	839.0	873.8	903.6	917.5	909.3
70°	839.4	840.6	840.9	847.0	858.5	883.5	924.8	979.3	1024.5	1045.8	1037.0
71°	826.1	828.9	833.2	839.5	859.3	888.9	945.3	1011.2	1065.3	1101.2	1089.1
72.5°	788.8	790.5	792.6	802.3	824.8	863.9	922.0	997.3	1066.7	1113.4	1099.4
75°	734.8	736.4	737.2	743.8	764.4	798.5	851.6	918.5	979.8	1019.4	1015.5
77.5°	653.4	653.6	659.4	669.8	692.7	731.8	787.9	857.2	914.7	945.6	926.0
80°	469.2	466.0	472.0	485.4	513.8	558.5	616.0	695.1	759.0	787.9	757.5
82.5°	178.4	188.2	203.4	225.6	235.2	285.0	338.5	385.0	438.9	499.1	483.9
85°	19.1	21.6	27.2	33.6	42.4	58.7	81.0	110.7	136.4	160.3	142.3
87.5°	7.3	7.4	8.2	9.4	9.5	9.9	10.7	12.4	11.6	9.9	8.1
90°	0.0	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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	301.3	301.3	301.3	301.3	301.3	301.3	301.3	301.3
2.5°	301.3	301.5	301.3	301.3	301.5	301.1	301.1	301.0
5°	301.2	300.9	301.0	301.1	301.0	301.2	301.0	301.1
7.5°	300.8	300.3	300.5	300.5	300.3	300.6	300.4	300.3
10°	300.0	299.3	299.7	299.5	299.4	299.5	299.5	299.5
12.5°	299.3	298.9	299.0	298.9	298.8	299.0	298.9	299.0
15°	299.1	298.4	298.3	298.1	298.2	298.4	298.4	298.7
17.5°	299.0	298.0	298.0	297.8	297.9	298.2	298.3	298.2
20°	299.5	298.8	298.7	298.4	298.3	298.8	298.7	298.7
22.5°	301.8	300.9	300.8	300.1	299.9	300.2	300.0	300.0
25°	305.5	304.5	304.1	303.2	302.6	302.6	302.3	302.2
27.5°	312.2	310.7	310.4	309.6	308.7	308.9	308.4	308.4
30°	320.1	318.8	317.6	316.5	315.4	315.0	314.4	314.3
32.5°	330.4	328.8	327.5	326.1	324.6	324.0	323.0	322.5
35°	342.9	340.9	339.3	338.3	336.8	336.1	335.4	336.2
37.5°	360.5	358.1	357.3	356.2	355.2	354.0	354.2	354.0
40°	384.9	382.7	381.9	379.9	379.7	378.3	379.2	378.3
42.5°	414.9	410.9	410.4	408.8	408.3	407.6	407.9	407.3
45°	447.7	444.1	443.4	441.0	441.0	439.4	440.0	440.0
47.5°	484.6	480.7	477.6	476.0	475.2	474.2	474.7	474.6
50°	522.5	517.4	514.0	510.6	509.0	509.4	508.3	510.4
52.5°	563.3	555.8	550.9	547.7	544.9	545.4	545.6	546.1
55°	605.6	595.9	588.9	584.7	582.1	582.3	583.0	583.6
57.5°	648.1	636.1	626.5	620.2	618.5	619.3	619.3	619.2
60°	692.1	677.7	665.4	658.2	656.8	656.4	659.6	658.4
62.5°	739.6	722.1	709.4	700.3	698.0	699.6	702.5	701.8
65°	802.3	778.1	761.9	752.7	749.0	750.6	754.5	754.3
67.5°	883.1	849.5	827.9	816.3	813.6	815.4	817.6	819.7
70°	1004.1	956.1	925.3	900.0	889.1	887.0	889.2	889.3
71°	1046.7	991.5	942.4	911.6	893.9	886.3	886.9	883.1
72.5°	1045.0	976.9	919.5	887.3	862.6	856.6	853.7	849.1
75°	974.5	913.3	863.4	828.2	804.6	797.4	792.2	792.0
77.5°	883.8	838.5	783.6	746.4	717.5	705.7	700.5	700.3
80°	710.5	642.8	602.6	580.1	545.3	535.1	524.6	520.5
82.5°	429.6	335.8	273.0	242.6	225.7	185.9	166.8	157.9
85°	100.1	71.1	49.0	32.1	23.2	18.4	14.2	12.4
87.5°	6.7	5.3	4.8	3.8	2.9	2.8	1.8	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)