

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: P148601

Luminaire Tested: **AVS-E01-LED-E-U-5XQ-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P148601
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-7050
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (21) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3263.4 lumens
Efficiency: N/A
Efficacy: 132.1 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

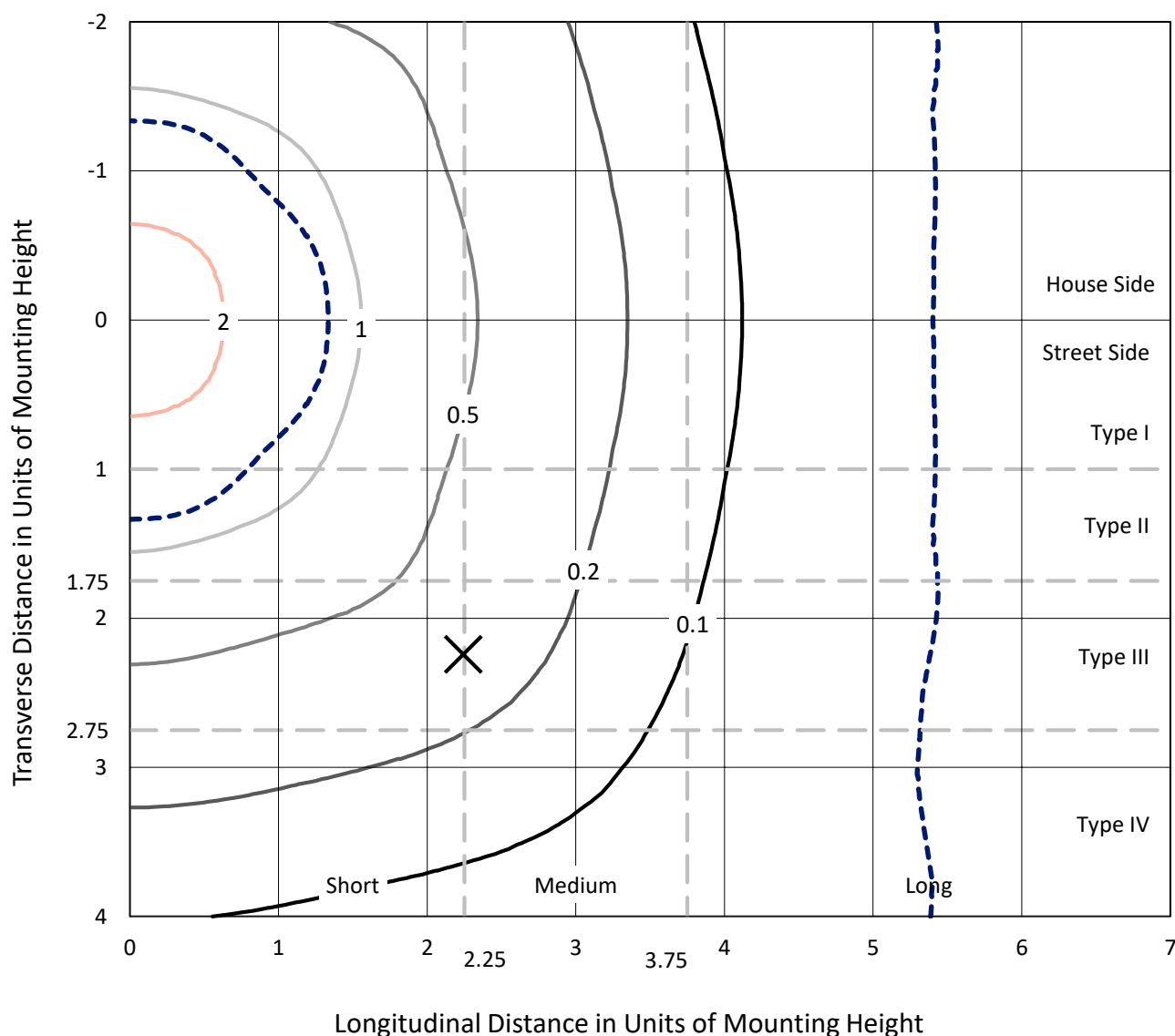


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

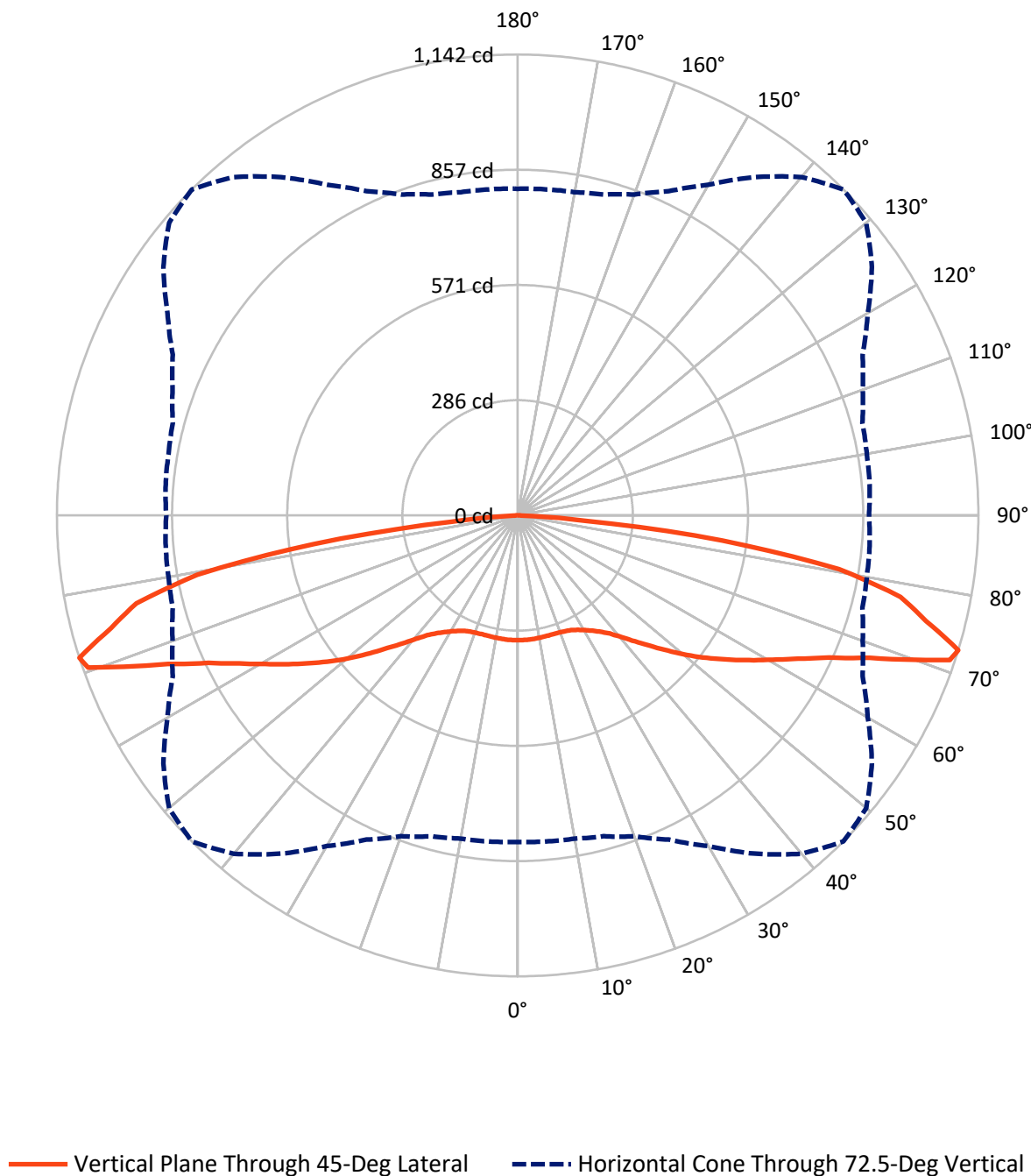


Based on 10 foot mounting height. Maximum calculated value = 3.1 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1631.7	0.0	1631.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1631.7	0.0	1631.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	3263.4	0.0	3263.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.5	0.9
10°-20°	87.2	2.7
20°-30°	146.0	4.5
30°-40°	222.5	6.8
40°-50°	355.3	10.9
50°-60°	546.3	16.7
60°-70°	795.5	24.4
70°-80°	896.1	27.5
80°-90°	185.0	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°	3263.4	100.0
0°-180°	3263.4	100.0

Coefficient of Utilization



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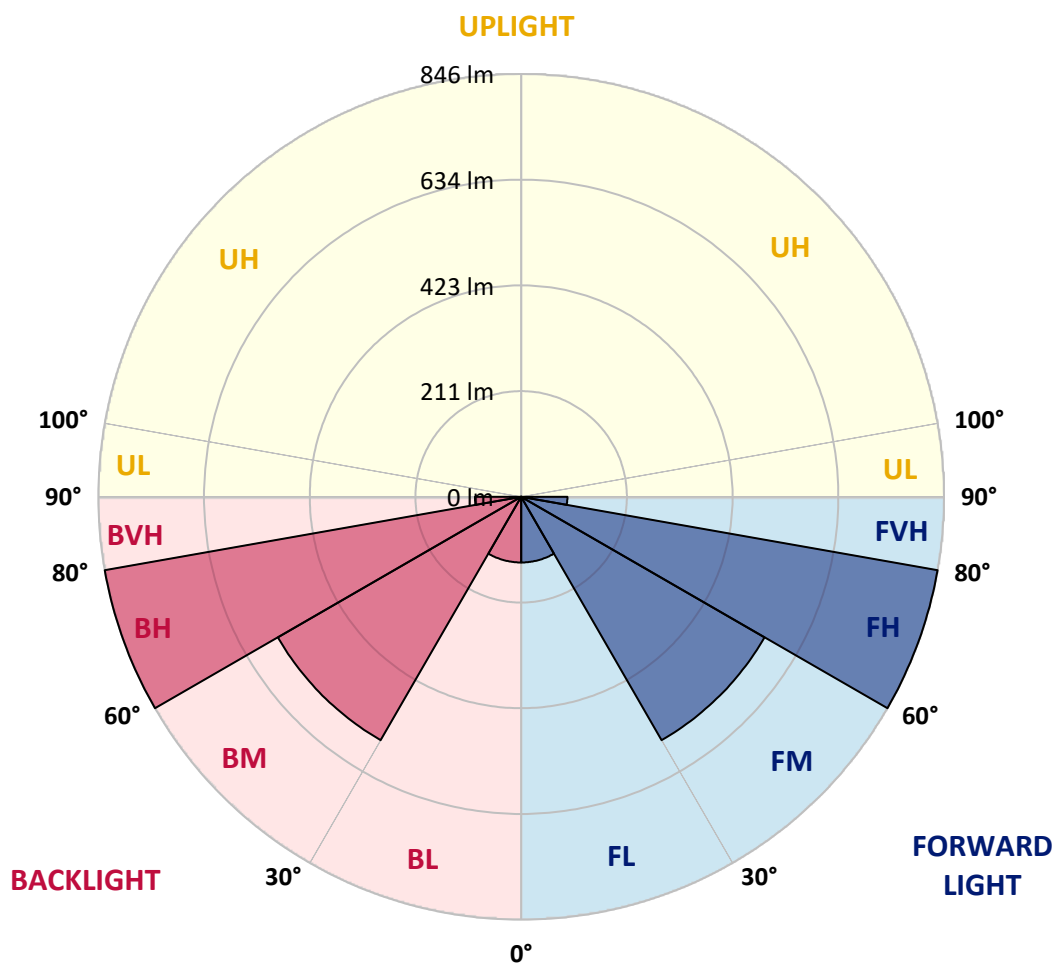
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	131.3	4.0			
FM	(30°-60°)	562.1	17.2			
FH	(60°-80°)	845.8	25.9			G1/1800
FVH	(80°-90°)	92.5	2.8			G1/100
BL	(0°-30°)	131.3	4.0	B1/500		
BM	(30°-60°)	562.1	17.2	B1/1000		
BH	(60°-80°)	845.8	25.9	B2/1000		G1/1800
BVH	(80°-90°)	92.5	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°	309.2	309.2	309.2	309.2	309.2	309.2	309.2	309.2	309.2	309.2	309.2
2.5°	309.7	309.8	309.8	309.6	309.7	309.6	309.4	309.3	308.8	309.1	309.6
5°	309.7	309.5	309.4	309.4	309.4	309.6	309.3	309.1	309.0	309.2	308.9
7.5°	309.5	309.2	309.0	308.9	309.0	309.1	308.8	308.5	308.8	308.5	308.2
10°	309.0	308.8	308.8	308.5	308.6	308.6	308.2	307.9	308.1	307.8	307.5
12.5°	309.2	308.8	308.7	308.5	308.4	308.4	307.9	307.5	307.6	307.5	306.9
15°	309.2	309.0	308.8	308.5	308.4	308.3	307.8	307.6	307.6	307.4	306.8
17.5°	309.4	309.2	309.2	308.8	308.6	308.5	308.0	307.7	308.0	307.5	307.0
20°	309.8	309.6	309.8	309.5	309.2	309.2	308.8	308.6	308.6	308.6	307.7
22.5°	310.9	310.9	311.1	311.0	310.9	311.0	310.7	310.7	310.8	310.8	309.9
25°	313.8	313.8	313.9	313.9	314.0	314.6	314.3	314.2	314.7	314.6	313.9
27.5°	319.3	319.1	319.3	319.5	319.9	320.7	320.5	320.7	321.5	321.2	320.5
30°	325.6	325.4	325.9	326.4	326.7	328.0	327.5	328.7	329.3	329.8	329.3
32.5°	334.9	334.9	335.6	336.0	336.7	337.9	338.1	339.1	339.9	340.7	340.1
35°	347.2	346.9	347.6	348.2	349.1	350.3	350.7	352.0	353.3	353.9	352.7
37.5°	366.0	365.1	366.1	366.5	367.3	367.6	368.7	370.5	371.7	371.5	370.8
40°	391.5	391.3	390.9	390.4	391.5	391.9	392.0	394.3	396.3	396.0	395.9
42.5°	421.1	420.4	419.9	419.9	420.6	420.8	423.4	425.1	426.6	426.9	426.6
45°	453.3	452.4	452.6	452.2	452.5	453.7	455.1	458.3	461.0	461.1	459.7
47.5°	487.6	485.2	487.0	484.4	486.0	486.8	490.8	495.3	500.1	500.9	499.7
50°	522.5	522.2	522.1	521.6	522.3	524.1	528.9	536.2	540.7	543.8	541.8
52.5°	560.6	559.3	558.8	557.8	558.5	562.3	568.9	575.2	583.5	586.9	584.2
55°	597.7	597.3	595.0	594.9	596.6	602.3	609.5	617.3	626.2	630.3	629.2
57.5°	635.9	633.4	632.6	631.7	634.9	640.3	649.1	663.1	672.4	676.9	674.3
60°	673.2	671.2	669.8	669.4	671.7	679.2	691.8	708.7	720.2	726.0	722.0
62.5°	713.2	711.9	710.3	708.3	713.0	722.6	738.3	757.0	774.1	781.2	775.0
65°	762.9	760.4	758.5	756.1	759.9	772.1	791.8	818.0	840.9	849.3	844.8
67.5°	815.4	813.1	813.3	811.7	818.5	835.4	860.9	896.6	927.2	941.5	933.1
70°	861.2	862.5	862.9	869.1	880.9	906.5	949.0	1004.8	1051.2	1073.1	1064.0
71°	847.8	850.6	854.9	861.5	881.8	912.1	970.1	1037.7	1093.1	1129.9	1117.6
72.5°	809.4	811.2	813.4	823.3	846.3	886.4	946.1	1023.4	1094.6	1142.4	1128.1
75°	754.0	755.6	756.5	763.3	784.2	819.4	873.9	942.5	1005.3	1046.0	1042.1
77.5°	670.4	670.7	676.6	687.4	710.9	750.9	808.4	879.6	938.7	970.3	950.2
80°	481.5	478.1	484.4	498.0	527.2	573.2	632.0	713.3	778.9	808.4	777.3
82.5°	183.2	193.1	208.7	231.5	241.2	292.4	347.4	395.0	450.3	512.0	496.6
85°	19.7	22.2	27.8	34.4	43.5	60.2	83.2	113.6	140.0	164.6	146.0
87.5°	7.4	7.5	8.4	9.6	9.8	10.3	11.0	12.7	11.9	10.3	8.3
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°	309.2	309.2	309.2	309.2	309.2	309.2	309.2	309.2
2.5°	309.2	309.3	309.2	309.2	309.2	309.0	309.0	308.8
5°	309.1	308.8	308.9	309.0	308.9	309.1	308.9	309.0
7.5°	308.7	308.2	308.3	308.4	308.2	308.4	308.3	308.2
10°	307.9	307.2	307.5	307.3	307.2	307.3	307.4	307.3
12.5°	307.0	306.6	306.7	306.6	306.5	306.8	306.7	306.7
15°	306.9	306.2	306.1	305.9	306.0	306.2	306.2	306.5
17.5°	306.7	305.8	305.8	305.6	305.7	306.0	306.1	305.9
20°	307.3	306.5	306.3	306.2	306.1	306.5	306.4	306.5
22.5°	309.6	308.8	308.7	308.0	307.8	308.0	307.8	307.8
25°	313.5	312.4	312.1	311.2	310.5	310.5	310.2	310.1
27.5°	320.4	318.9	318.5	317.7	316.8	317.0	316.5	316.4
30°	328.4	327.0	325.8	324.8	323.6	323.2	322.6	322.5
32.5°	339.0	337.4	336.0	334.6	333.1	332.4	331.4	331.0
35°	351.9	349.8	348.1	347.2	345.6	344.9	344.1	344.9
37.5°	369.9	367.5	366.6	365.5	364.5	363.2	363.5	363.2
40°	394.8	392.6	391.7	389.8	389.6	388.2	389.1	388.2
42.5°	425.7	421.7	421.0	419.5	419.1	418.2	418.5	418.0
45°	459.4	455.6	455.0	452.5	452.6	450.8	451.5	451.5
47.5°	497.2	493.3	490.2	488.3	487.7	486.5	487.2	487.0
50°	536.2	531.0	527.5	523.9	522.4	522.8	521.7	523.6
52.5°	578.0	570.3	565.3	562.0	559.1	559.7	559.8	560.4
55°	621.3	611.5	604.2	599.9	597.3	597.4	598.2	599.0
57.5°	665.0	652.6	642.9	636.4	634.6	635.4	635.4	635.3
60°	710.3	695.3	682.8	675.4	673.9	673.5	676.8	675.6
62.5°	758.8	740.9	728.0	718.5	716.3	717.8	720.8	720.2
65°	823.2	798.4	781.7	772.4	768.7	770.2	774.2	774.1
67.5°	906.2	871.7	849.5	837.5	834.8	836.7	839.0	841.0
70°	1030.4	981.0	949.4	923.5	912.4	910.3	912.4	912.5
71°	1074.1	1017.4	967.0	935.3	917.1	909.4	910.1	906.2
72.5°	1072.3	1002.4	943.5	910.5	885.1	879.0	876.0	871.3
75°	1000.0	937.1	886.0	849.8	825.5	818.2	813.0	812.6
77.5°	906.9	860.5	804.1	765.9	736.3	724.1	718.9	718.5
80°	729.0	659.5	618.3	595.3	559.5	549.1	538.2	534.1
82.5°	440.8	344.6	280.1	248.9	231.6	190.8	171.2	162.0
85°	102.7	73.0	50.3	33.0	23.7	18.9	14.5	12.8
87.5°	6.9	5.5	4.9	3.9	3.0	2.9	1.8	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)