

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: P148605

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P148605
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-F01-LED-E-U-5XQ
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (7) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2625.5 lumens
Efficiency: N/A
Efficacy: 101.4 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): 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

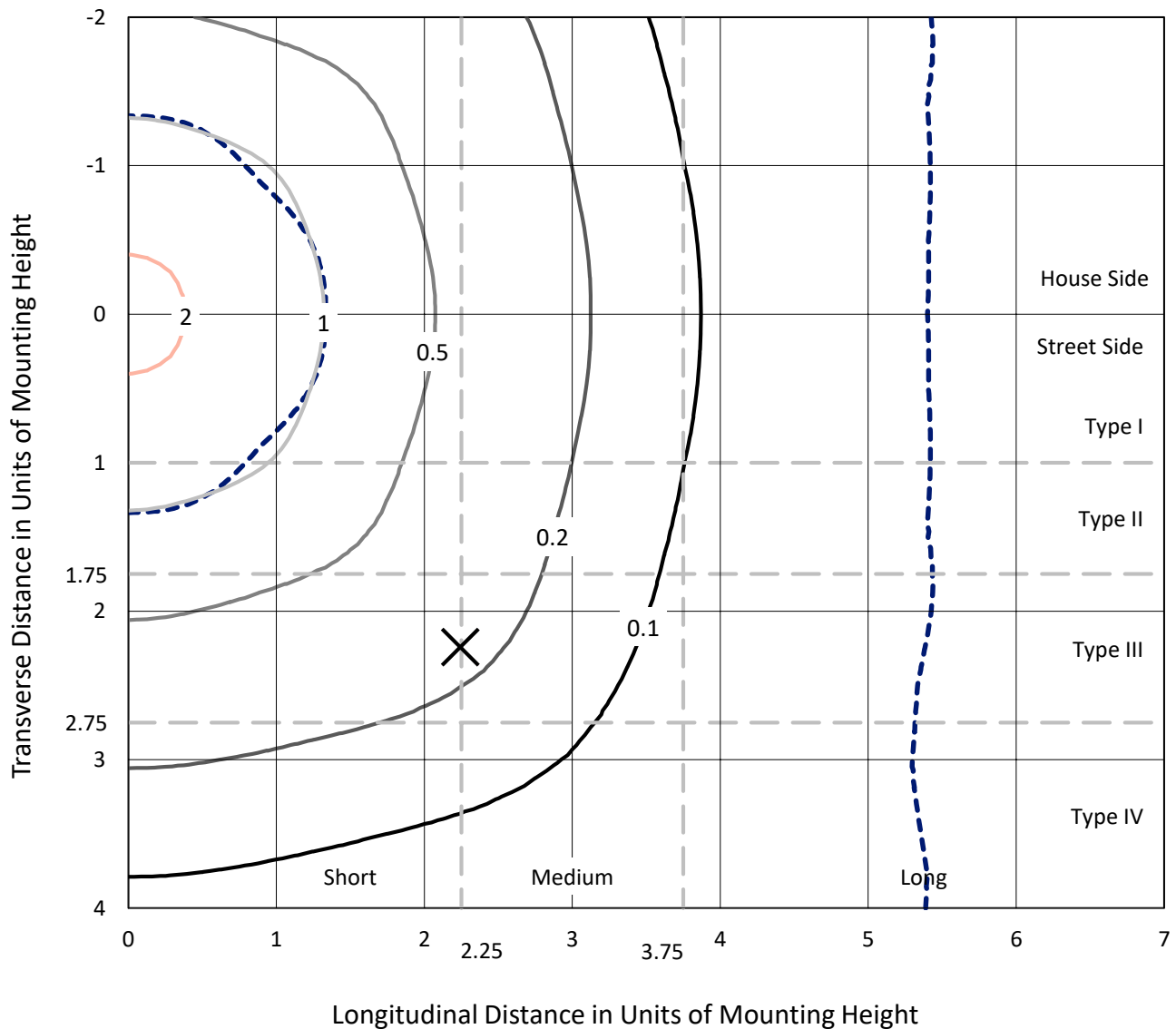


REPORT NUMBER: P148605

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

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

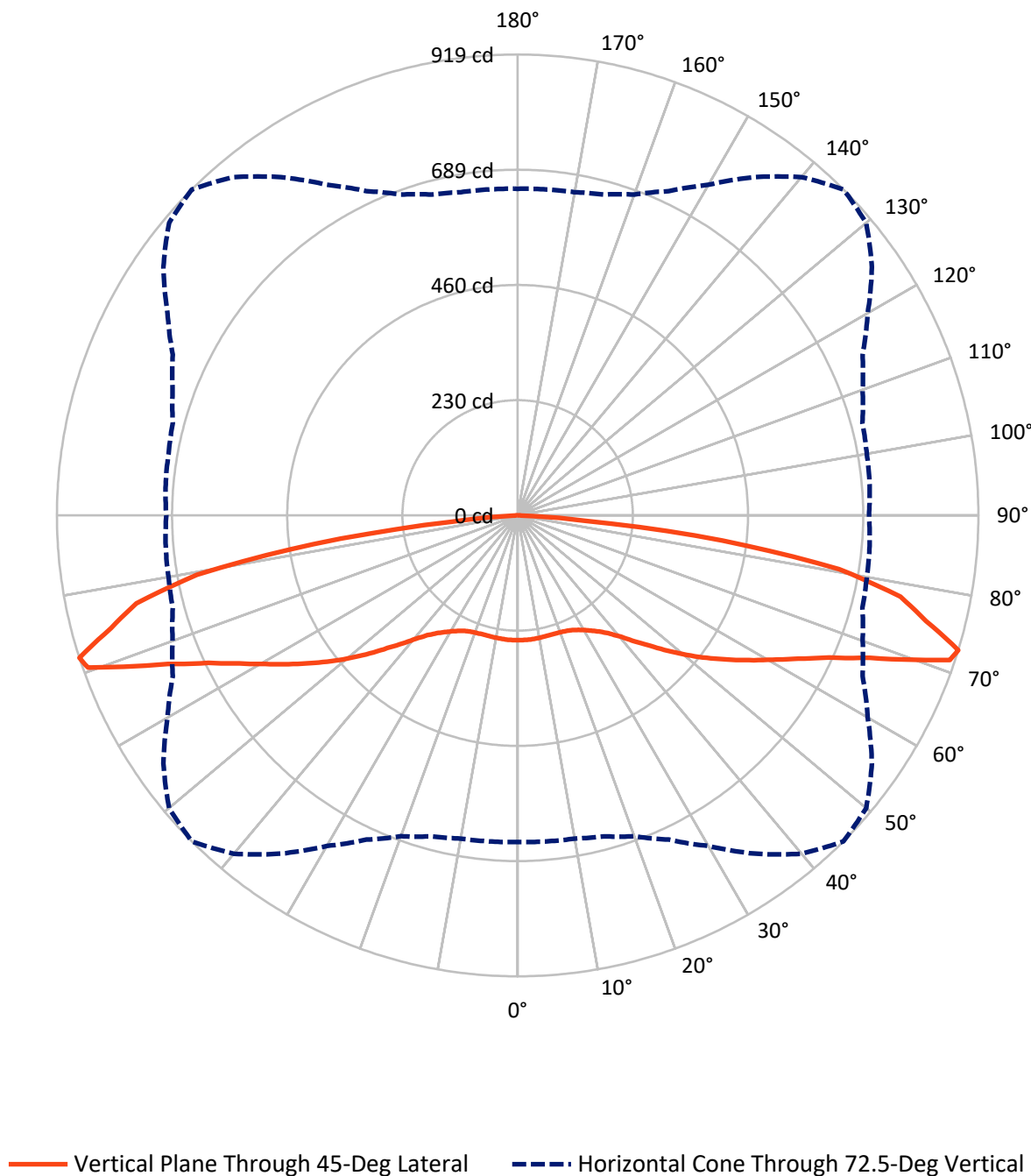


Based on 10 foot mounting height. Maximum calculated value = 2.5 fc
Type V - Short - Non-Cutoff

REPORT NUMBER: P148605

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

Luminous Intensity Polar Plot



REPORT NUMBER: P148605

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

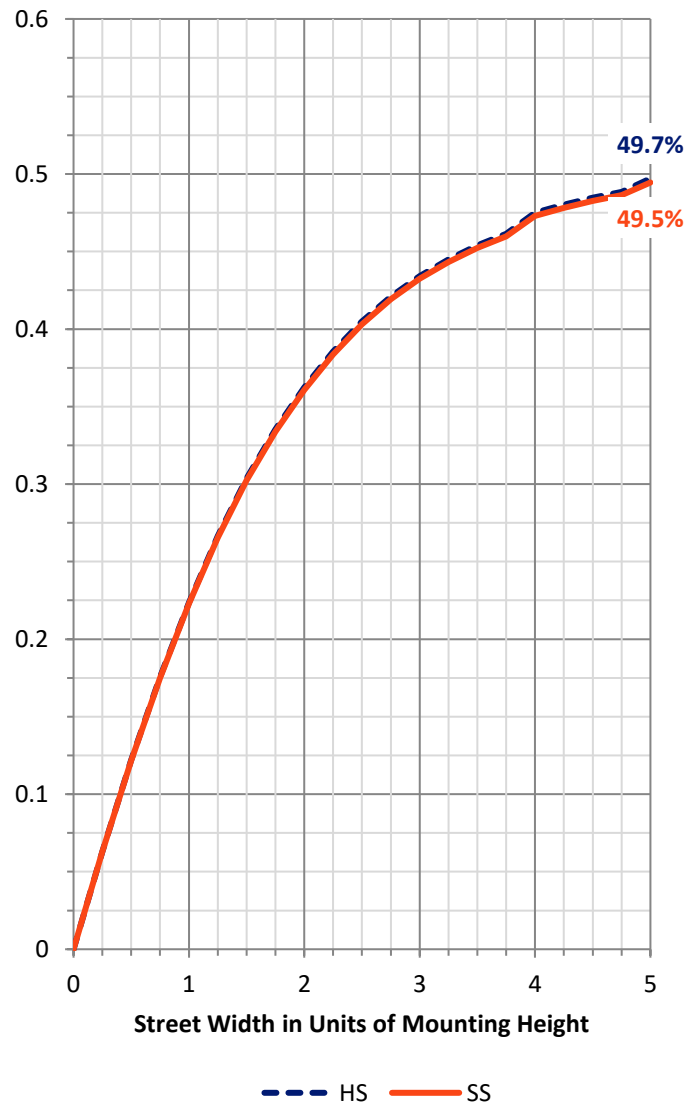
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1312.7	0.0	1312.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1312.7	0.0	1312.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	2625.5	0.0	2625.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.7	0.9
10°-20°	70.1	2.7
20°-30°	117.4	4.5
30°-40°	179.0	6.8
40°-50°	285.9	10.9
50°-60°	439.5	16.7
60°-70°	640.0	24.4
70°-80°	720.9	27.5
80°-90°	148.8	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°	2625.5	100.0
0°-180°	2625.5	100.0



REPORT NUMBER: P148605

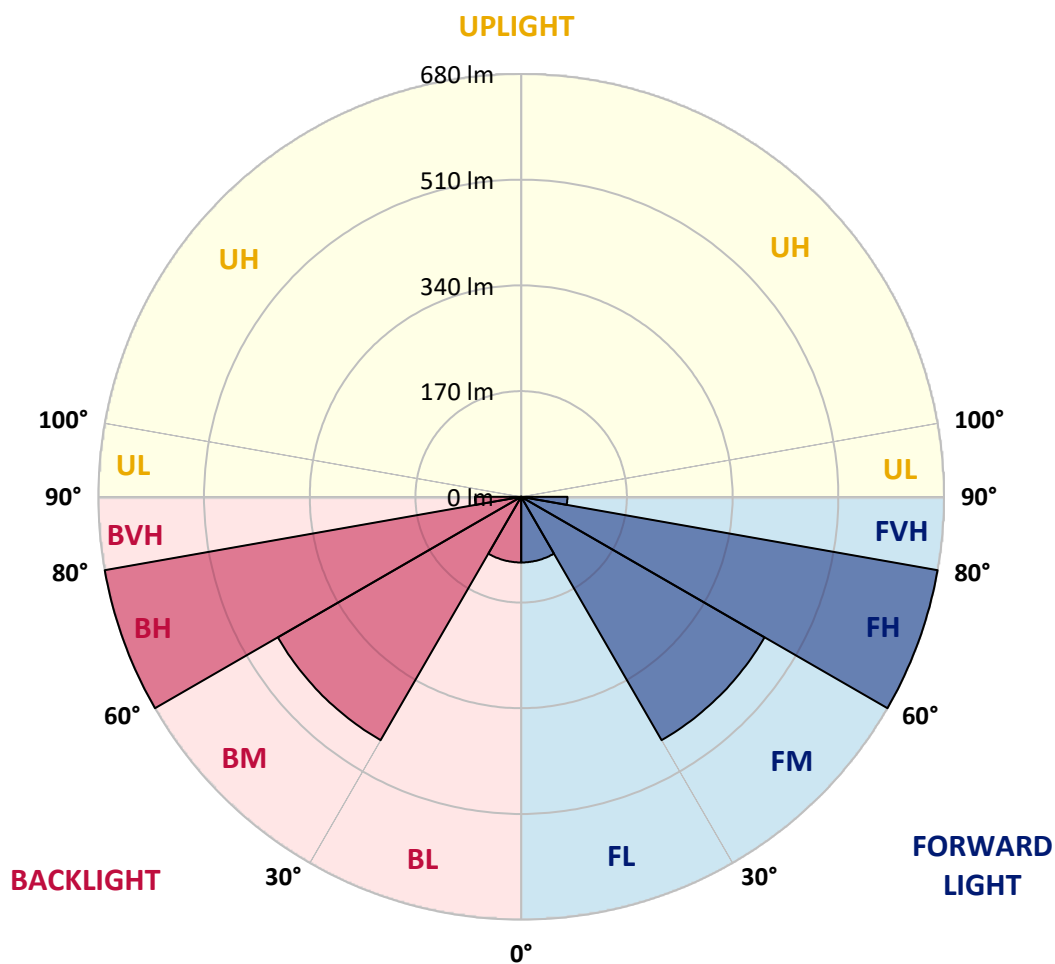
CATALOG NUMBER: AVS-F01-LED-E-U-5XQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	105.6	4.0			
FM	(30°-60°)	452.2	17.2			
FH	(60°-80°)	680.5	25.9			G1/1800
FVH	(80°-90°)	74.4	2.8			G1/100
BL	(0°-30°)	105.6	4.0	B0/110		
BM	(30°-60°)	452.2	17.2	B1/1000		
BH	(60°-80°)	680.5	25.9	B2/1000		G1/1800
BVH	(80°-90°)	74.4	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





REPORT NUMBER: P148605

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	248.8	248.8	248.8	248.8	248.8	248.8	248.8	248.8	248.8	248.8	248.8
2.5°	249.1	249.3	249.2	249.1	249.1	249.1	248.9	248.9	248.4	248.7	249.1
5°	249.1	249.0	248.9	248.9	248.9	249.1	248.9	248.7	248.6	248.8	248.5
7.5°	249.1	248.7	248.6	248.6	248.6	248.7	248.5	248.2	248.4	248.2	247.9
10°	248.6	248.4	248.5	248.2	248.3	248.2	247.9	247.8	247.9	247.7	247.3
12.5°	248.7	248.4	248.3	248.2	248.1	248.1	247.7	247.4	247.5	247.3	246.9
15°	248.7	248.5	248.5	248.2	248.1	248.0	247.6	247.5	247.5	247.3	246.8
17.5°	248.9	248.7	248.7	248.4	248.3	248.2	247.8	247.6	247.8	247.3	247.0
20°	249.3	249.1	249.2	249.1	248.7	248.7	248.4	248.3	248.4	248.3	247.6
22.5°	250.2	250.2	250.3	250.2	250.2	250.2	249.9	249.9	249.9	249.9	249.4
25°	252.4	252.4	252.5	252.5	252.6	253.1	252.8	252.8	253.2	253.2	252.5
27.5°	256.9	256.7	256.9	257.0	257.3	258.0	257.8	258.0	258.5	258.4	257.9
30°	262.0	261.8	262.2	262.6	262.9	263.8	263.4	264.5	264.9	265.3	264.9
32.5°	269.4	269.4	270.1	270.3	270.9	271.9	272.0	272.8	273.5	274.2	273.7
35°	279.3	279.2	279.6	280.1	280.9	281.8	282.1	283.2	284.1	284.7	283.7
37.5°	294.4	293.7	294.6	294.9	295.4	295.8	296.7	298.0	299.1	299.0	298.2
40°	314.9	314.8	314.4	314.0	315.0	315.3	315.3	317.2	318.9	318.5	318.5
42.5°	338.9	338.2	337.8	337.8	338.3	338.5	340.7	342.1	343.2	343.5	343.2
45°	364.6	363.9	364.1	363.8	364.0	365.0	366.2	368.7	371.0	371.0	369.8
47.5°	392.2	390.4	391.9	389.7	391.0	391.7	394.8	398.5	402.4	403.1	402.1
50°	420.3	420.1	420.0	419.6	420.2	421.8	425.5	431.4	435.0	437.5	435.9
52.5°	451.0	449.9	449.5	448.8	449.4	452.3	457.7	462.8	469.4	472.2	470.1
55°	480.8	480.5	478.8	478.7	480.0	484.6	490.4	496.6	503.8	507.0	506.2
57.5°	511.5	509.6	509.0	508.2	510.8	515.1	522.3	533.5	540.9	544.6	542.5
60°	541.6	540.0	538.9	538.5	540.3	546.4	556.6	570.2	579.5	584.1	580.8
62.5°	573.7	572.7	571.4	569.8	573.6	581.3	594.0	609.0	622.7	628.5	623.4
65°	613.7	611.8	610.3	608.3	611.4	621.1	637.1	658.1	676.5	683.3	679.7
67.5°	656.0	654.2	654.3	653.1	658.5	672.1	692.6	721.2	745.9	757.4	750.7
70°	692.8	693.9	694.2	699.3	708.7	729.3	763.5	808.4	845.7	863.3	856.1
71°	682.1	684.2	687.8	693.1	709.4	733.8	780.4	834.8	879.4	909.1	899.2
72.5°	651.2	652.5	654.4	662.4	680.8	713.2	761.1	823.3	880.6	919.1	907.6
75°	606.6	608.0	608.5	614.2	631.0	659.2	703.0	758.2	808.8	841.6	838.3
77.5°	539.3	539.6	544.4	553.0	571.9	604.1	650.4	707.6	755.1	780.6	764.5
80°	387.4	384.7	389.6	400.7	424.0	461.1	508.4	573.9	626.5	650.4	625.3
82.5°	147.4	155.3	167.9	186.2	194.1	235.2	279.5	317.8	362.3	411.9	399.5
85°	15.9	17.8	22.4	27.8	35.0	48.4	66.9	91.4	112.6	132.3	117.5
87.5°	6.0	6.1	6.7	7.8	7.9	8.3	8.8	10.3	9.5	8.3	6.6
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: P148605

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

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	248.8	248.8	248.8	248.8	248.8	248.8	248.8	248.8
2.5°	248.8	248.8	248.7	248.8	248.8	248.5	248.6	248.5
5°	248.7	248.5	248.6	248.6	248.6	248.7	248.5	248.6
7.5°	248.3	248.0	248.1	248.1	247.9	248.1	248.0	247.9
10°	247.7	247.0	247.4	247.3	247.2	247.3	247.3	247.3
12.5°	247.0	246.7	246.7	246.6	246.6	246.8	246.7	246.8
15°	246.9	246.3	246.3	246.2	246.2	246.3	246.3	246.6
17.5°	246.7	246.1	246.0	245.9	245.9	246.2	246.3	246.2
20°	247.2	246.6	246.5	246.3	246.3	246.6	246.5	246.6
22.5°	249.1	248.4	248.4	247.8	247.6	247.8	247.7	247.7
25°	252.2	251.4	251.1	250.4	249.7	249.7	249.5	249.5
27.5°	257.8	256.6	256.3	255.6	254.9	255.0	254.6	254.5
30°	264.2	263.1	262.2	261.3	260.4	260.1	259.5	259.5
32.5°	272.7	271.5	270.3	269.2	268.0	267.5	266.6	266.3
35°	283.1	281.5	280.0	279.3	278.1	277.4	276.9	277.5
37.5°	297.6	295.5	294.9	294.1	293.2	292.2	292.4	292.2
40°	317.7	315.9	315.2	313.6	313.5	312.3	313.0	312.3
42.5°	342.5	339.3	338.8	337.5	337.1	336.5	336.8	336.3
45°	369.5	366.6	366.0	364.0	364.1	362.7	363.2	363.2
47.5°	400.0	396.9	394.3	392.8	392.3	391.4	391.9	391.8
50°	431.3	427.2	424.4	421.5	420.2	420.5	419.7	421.2
52.5°	465.1	458.9	454.8	452.1	449.7	450.3	450.4	450.8
55°	499.9	491.9	486.2	482.7	480.5	480.6	481.2	481.9
57.5°	535.0	525.0	517.2	511.9	510.6	511.2	511.2	511.1
60°	571.4	559.4	549.3	543.4	542.2	541.8	544.5	543.6
62.5°	610.5	596.1	585.6	578.0	576.3	577.5	579.9	579.4
65°	662.3	642.4	628.9	621.5	618.4	619.7	622.9	622.7
67.5°	729.1	701.3	683.4	673.8	671.6	673.2	674.9	676.7
70°	828.9	789.3	763.8	743.0	734.0	732.3	734.1	734.2
71°	864.0	818.4	778.0	752.5	737.8	731.7	732.1	729.1
72.5°	862.7	806.4	759.1	732.4	712.1	707.2	704.8	701.0
75°	804.6	753.9	712.7	683.7	664.1	658.2	654.0	653.8
77.5°	729.6	692.2	646.9	616.2	592.3	582.6	578.2	578.1
80°	586.5	530.6	497.4	479.0	450.2	441.9	433.0	429.6
82.5°	354.7	277.2	225.4	200.2	186.3	153.5	137.7	130.4
85°	82.7	58.7	40.4	26.5	19.1	15.2	11.7	10.4
87.5°	5.6	4.4	3.9	3.1	2.4	2.4	1.5	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)