

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: P148544

Luminaire Tested: **AVM-F01-LED-E-U-5XQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P148544
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: AVM-F01-LED-E-U-5XQ-7030
Description: VISION SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2398 lumens
Efficiency: N/A
Efficacy: 92.6 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

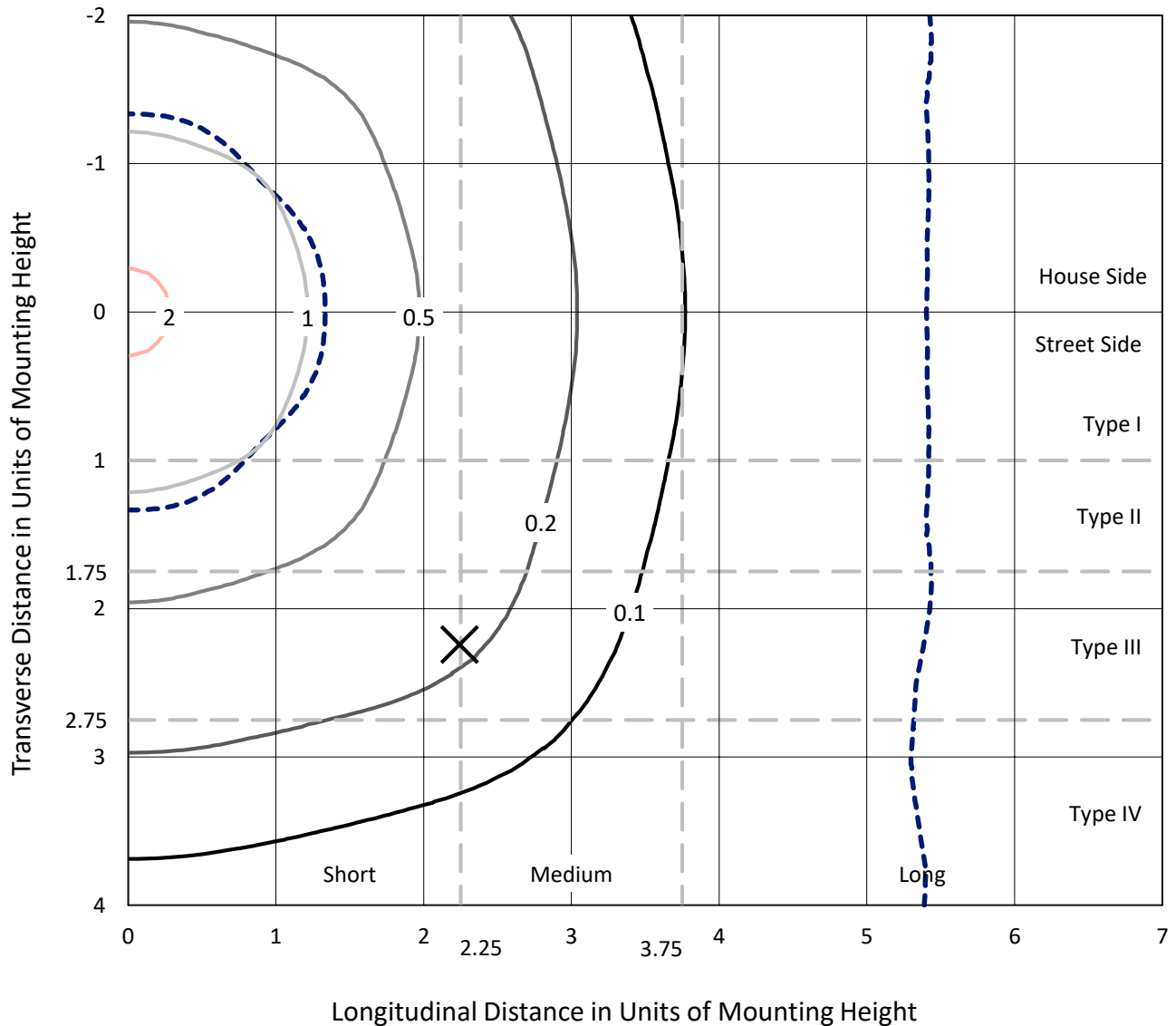
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P148544
 CATALOG NUMBER: AVM-F01-LED-E-U-5XQ-7030

Iso-Footcandle Lines of Horizontal Illumination

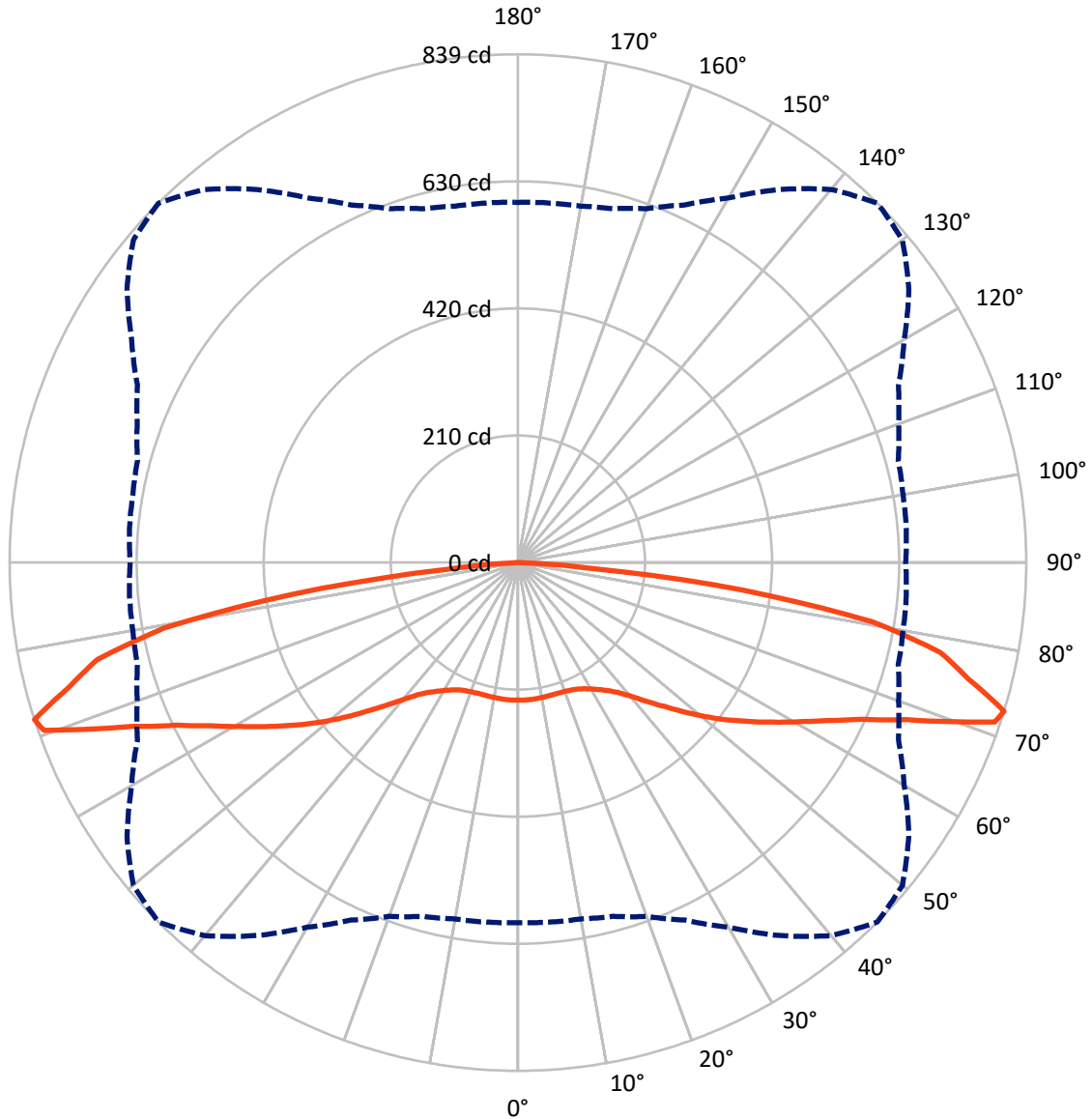
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.3 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P148544
CATALOG NUMBER: AVM-F01-LED-E-U-5XQ-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P148544

CATALOG NUMBER: AVM-F01-LED-E-U-5XQ-7030

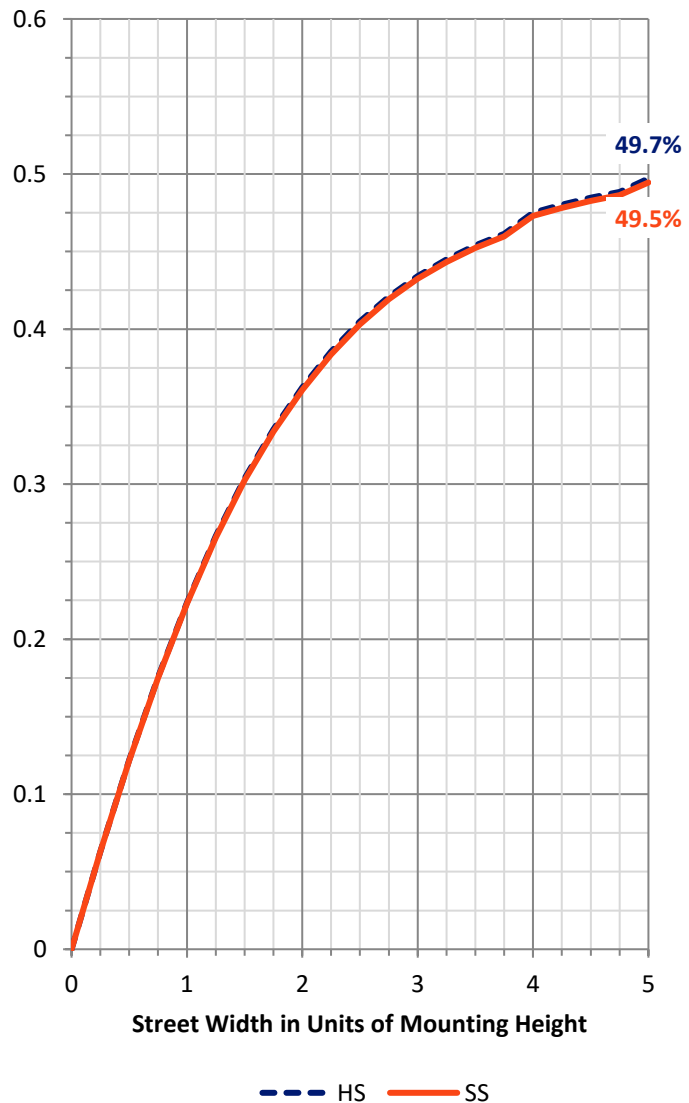
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1199.0	0.0	1199.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1199.0	0.0	1199.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2398.0	0.0	2398.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.7	0.9
10°-20°	64.1	2.7
20°-30°	107.3	4.5
30°-40°	163.5	6.8
40°-50°	261.1	10.9
50°-60°	401.5	16.7
60°-70°	584.5	24.4
70°-80°	658.5	27.5
80°-90°	135.9	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°	2398.0	100.0
0°-180°	2398.0	100.0



REPORT NUMBER: P148544

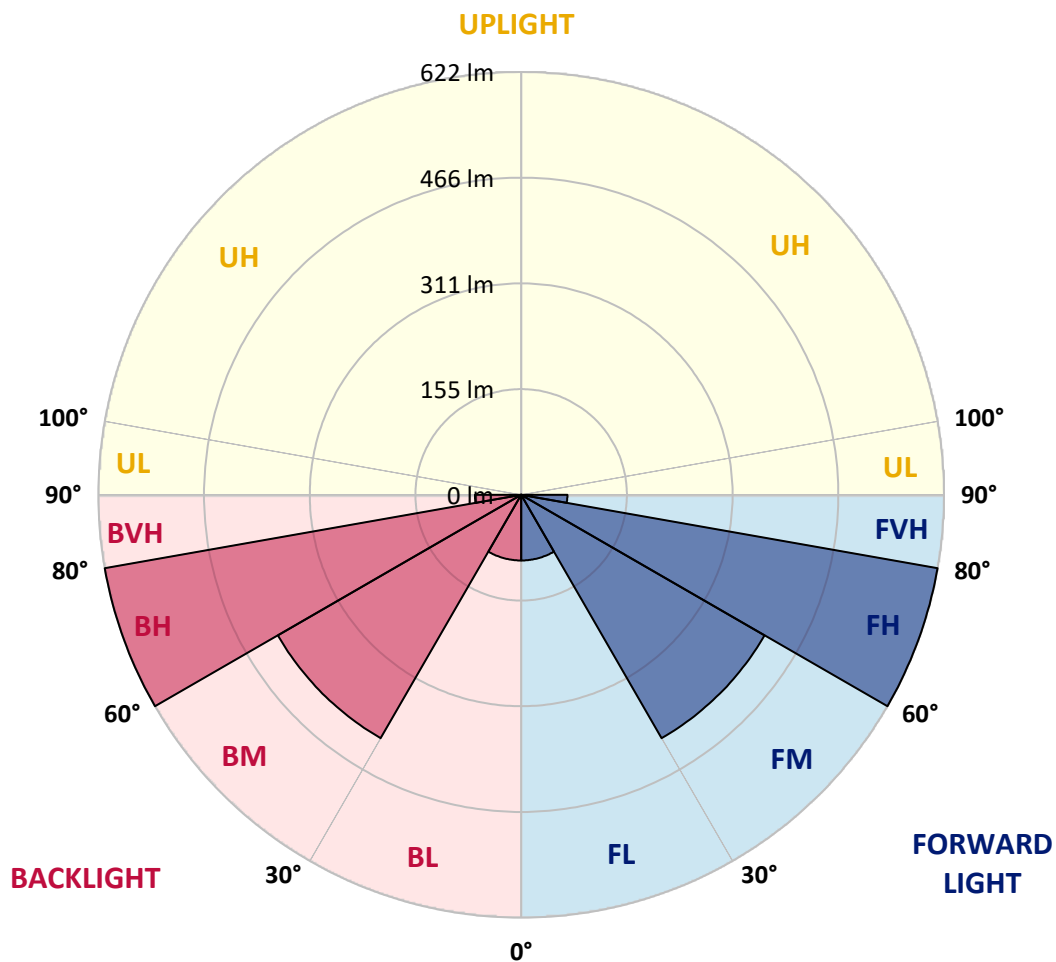
CATALOG NUMBER: AVM-F01-LED-E-U-5XQ-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	96.5	4.0			
FM	(30°-60°)	413.0	17.2			
FH	(60°-80°)	621.5	25.9			G0/660
FVH	(80°-90°)	68.0	2.8			G1/100
BL	(0°-30°)	96.5	4.0	B0/110		
BM	(30°-60°)	413.0	17.2	B1/1000		
BH	(60°-80°)	621.5	25.9	B2/1000		G0/660
BVH	(80°-90°)	68.0	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: P148544

CATALOG NUMBER: AVM-F01-LED-E-U-5XQ-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	227.2	227.2	227.2	227.2	227.2	227.2	227.2	227.2	227.2	227.2	227.2
2.5°	227.6	227.7	227.6	227.5	227.6	227.5	227.4	227.3	226.9	227.2	227.5
5°	227.6	227.4	227.4	227.3	227.3	227.5	227.4	227.2	227.0	227.2	227.0
7.5°	227.4	227.2	227.1	227.0	227.0	227.2	227.0	226.7	226.9	226.7	226.4
10°	227.1	226.9	227.0	226.7	226.8	226.7	226.4	226.3	226.4	226.2	225.9
12.5°	227.2	226.9	226.8	226.7	226.6	226.6	226.2	226.0	226.0	225.9	225.6
15°	227.2	227.0	227.0	226.7	226.6	226.5	226.2	226.0	226.0	225.8	225.4
17.5°	227.3	227.2	227.2	226.9	226.8	226.7	226.2	226.0	226.2	225.9	225.6
20°	227.7	227.6	227.6	227.4	227.2	227.2	226.9	226.8	226.8	226.8	226.1
22.5°	228.4	228.4	228.6	228.5	228.4	228.5	228.3	228.2	228.3	228.4	227.8
25°	230.6	230.5	230.6	230.7	230.7	231.2	231.0	230.9	231.2	231.2	230.7
27.5°	234.6	234.5	234.6	234.8	235.0	235.6	235.5	235.7	236.2	236.0	235.6
30°	239.2	239.1	239.4	239.8	240.1	241.0	240.6	241.5	242.0	242.4	242.0
32.5°	246.0	246.0	246.6	246.8	247.4	248.3	248.4	249.2	249.8	250.4	250.0
35°	255.1	255.0	255.4	255.9	256.6	257.4	257.6	258.6	259.5	260.0	259.2
37.5°	269.0	268.2	269.1	269.3	269.9	270.0	270.9	272.2	273.2	273.0	272.4
40°	287.6	287.5	287.2	286.8	287.7	288.0	288.0	289.7	291.2	291.0	290.9
42.5°	309.5	308.9	308.6	308.6	309.1	309.2	311.1	312.4	313.5	313.7	313.5
45°	333.0	332.4	332.6	332.3	332.5	333.3	334.5	336.8	338.8	338.9	337.8
47.5°	358.3	356.5	357.9	356.0	357.2	357.8	360.6	364.0	367.5	368.1	367.2
50°	384.0	383.7	383.6	383.2	383.8	385.2	388.6	394.0	397.4	399.6	398.1
52.5°	412.0	411.0	410.5	409.9	410.5	413.2	418.0	422.7	428.8	431.3	429.2
55°	439.2	438.9	437.2	437.2	438.4	442.6	447.9	453.6	460.2	463.1	462.3
57.5°	467.2	465.4	464.9	464.2	466.5	470.5	477.0	487.2	494.1	497.4	495.5
60°	494.6	493.2	492.2	491.9	493.6	499.1	508.4	520.8	529.2	533.5	530.5
62.5°	524.0	523.1	521.9	520.4	523.9	531.0	542.6	556.2	568.8	574.0	569.4
65°	560.6	558.8	557.4	555.6	558.4	567.3	581.8	601.2	617.9	624.1	620.8
67.5°	599.2	597.5	597.6	596.5	601.5	613.9	632.6	658.8	681.3	691.8	685.6
70°	632.8	633.8	634.0	638.6	647.3	666.2	697.3	738.3	772.5	788.5	781.8
71°	623.0	625.0	628.2	632.9	647.9	670.2	712.8	762.5	803.2	830.3	821.2
72.5°	594.8	596.0	597.6	604.9	621.8	651.4	695.2	752.0	804.4	839.4	828.9
75°	554.0	555.3	555.8	560.9	576.3	602.0	642.2	692.6	738.7	768.6	765.7
77.5°	492.6	492.8	497.2	505.1	522.3	551.8	594.0	646.3	689.7	713.0	698.2
80°	353.8	351.4	355.9	366.0	387.4	421.2	464.4	524.1	572.3	594.0	571.2
82.5°	134.6	141.9	153.4	170.1	177.3	214.9	255.2	290.3	330.9	376.2	364.9
85°	14.4	16.2	20.4	25.3	32.0	44.2	61.2	83.4	102.8	120.9	107.3
87.5°	5.4	5.6	6.2	7.1	7.2	7.5	8.1	9.4	8.7	7.5	6.1
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: P148544

CATALOG NUMBER: AVM-F01-LED-E-U-5XQ-7030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	227.2	227.2	227.2	227.2	227.2	227.2	227.2	227.2
2.5°	227.2	227.3	227.2	227.3	227.3	227.0	227.1	227.0
5°	227.2	227.0	227.0	227.1	227.0	227.1	227.0	227.1
7.5°	226.8	226.4	226.6	226.6	226.4	226.6	226.5	226.4
10°	226.2	225.7	226.0	225.8	225.8	225.8	225.8	225.8
12.5°	225.6	225.3	225.4	225.3	225.2	225.4	225.4	225.4
15°	225.5	225.0	224.9	224.8	224.9	225.0	225.0	225.2
17.5°	225.4	224.8	224.7	224.6	224.6	224.8	224.9	224.8
20°	225.7	225.2	225.1	225.0	224.9	225.2	225.2	225.2
22.5°	227.5	226.9	226.8	226.3	226.2	226.3	226.2	226.2
25°	230.4	229.6	229.4	228.6	228.1	228.2	228.0	227.8
27.5°	235.4	234.3	234.0	233.5	232.8	232.9	232.6	232.4
30°	241.3	240.3	239.5	238.6	237.8	237.5	237.0	237.0
32.5°	249.1	248.0	246.9	245.8	244.8	244.3	243.6	243.2
35°	258.6	257.0	255.8	255.1	254.0	253.4	252.9	253.5
37.5°	271.8	270.0	269.4	268.6	267.8	266.9	267.1	267.0
40°	290.2	288.5	287.9	286.4	286.3	285.2	285.9	285.2
42.5°	312.8	309.8	309.4	308.2	307.9	307.3	307.5	307.2
45°	337.5	334.8	334.3	332.5	332.5	331.2	331.8	331.8
47.5°	365.3	362.5	360.2	358.8	358.3	357.5	358.0	357.8
50°	394.0	390.2	387.6	385.0	383.8	384.2	383.3	384.8
52.5°	424.8	419.0	415.4	412.9	410.8	411.2	411.4	411.8
55°	456.6	449.4	444.0	440.8	438.9	439.0	439.6	440.1
57.5°	488.6	479.6	472.4	467.6	466.4	466.9	466.9	466.8
60°	521.9	511.0	501.7	496.3	495.2	494.9	497.3	496.5
62.5°	557.6	544.4	534.9	528.0	526.3	527.4	529.7	529.2
65°	604.9	586.8	574.4	567.6	564.8	565.9	568.9	568.8
67.5°	665.9	640.5	624.2	615.4	613.4	614.8	616.4	618.1
70°	757.1	720.9	697.6	678.6	670.4	668.8	670.5	670.6
71°	789.3	747.6	710.6	687.3	674.0	668.3	668.7	665.9
72.5°	788.0	736.6	693.3	669.0	650.4	645.8	643.7	640.3
75°	734.8	688.6	651.0	624.5	606.6	601.2	597.4	597.2
77.5°	666.4	632.3	590.9	562.8	541.0	532.1	528.2	528.0
80°	535.7	484.6	454.4	437.4	411.2	403.5	395.5	392.5
82.5°	324.0	253.2	205.8	182.9	170.2	140.2	125.8	119.0
85°	75.5	53.6	36.9	24.2	17.5	13.9	10.7	9.4
87.5°	5.1	4.0	3.6	2.9	2.2	2.2	1.3	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)