

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: P148603

Luminaire Tested: **AVS-F01-LED-E-U-5XQ-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P148603
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-8030
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2215.9 lumens
Efficiency: N/A
Efficacy: 85.6 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

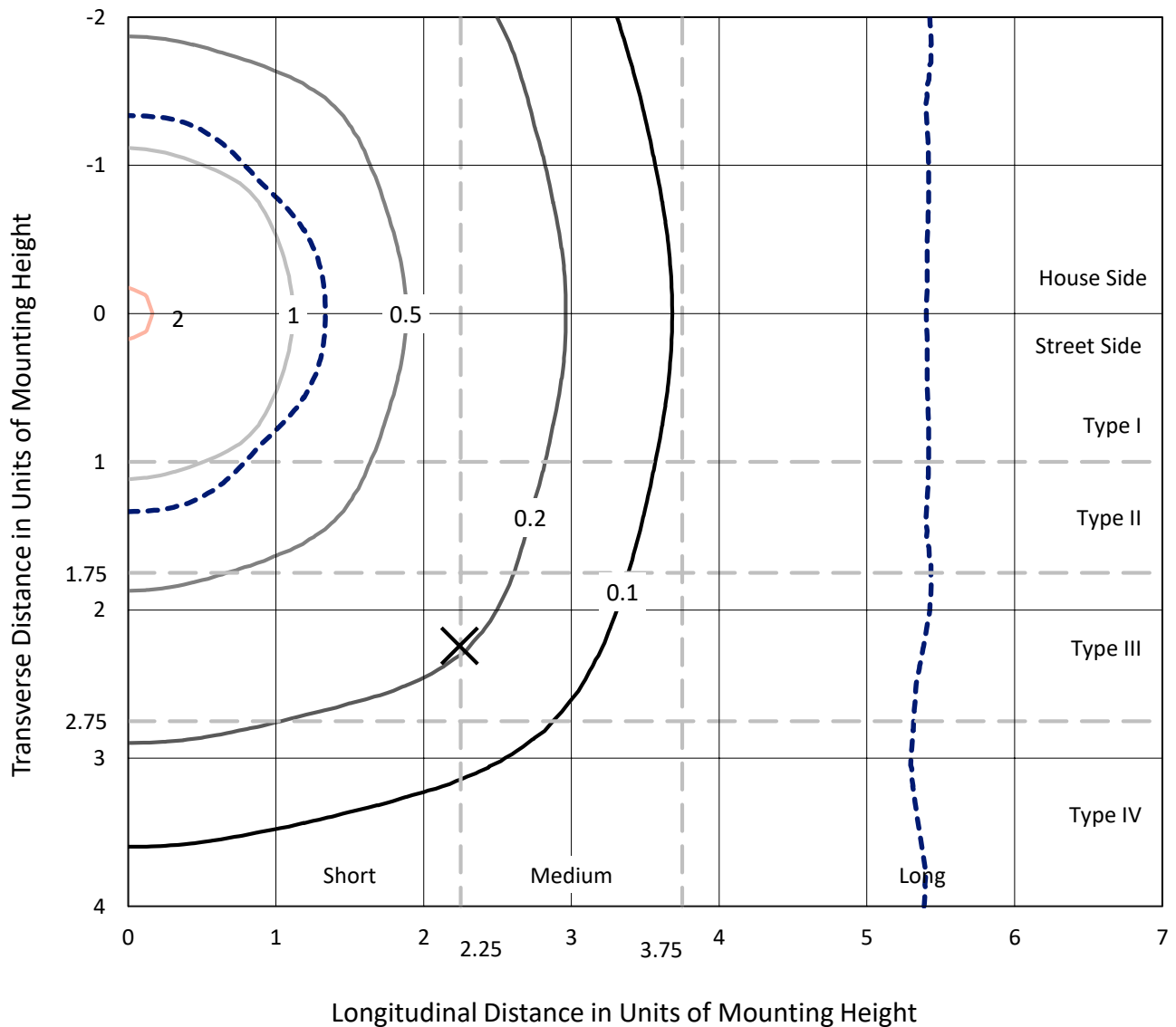
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

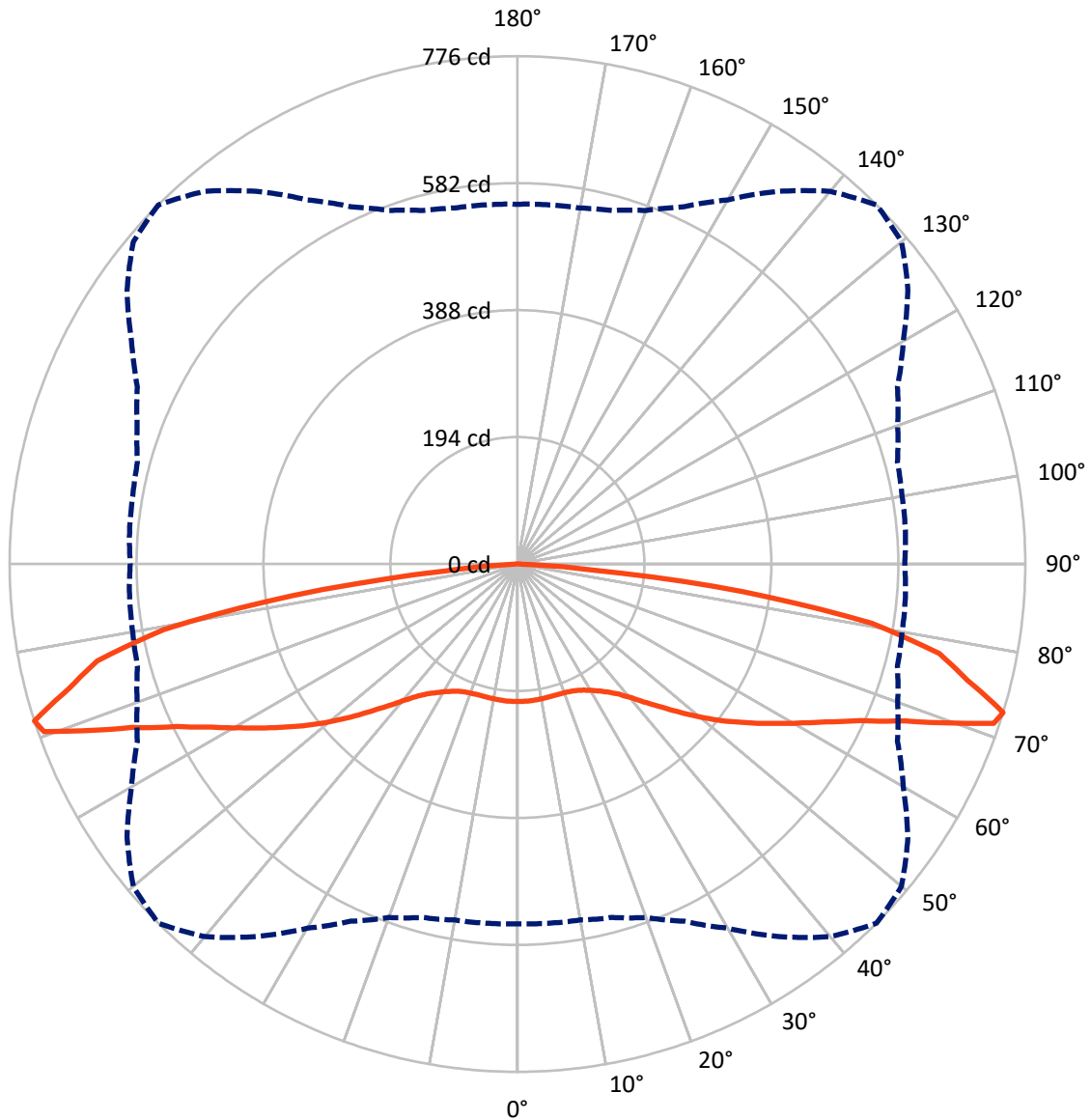
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.1 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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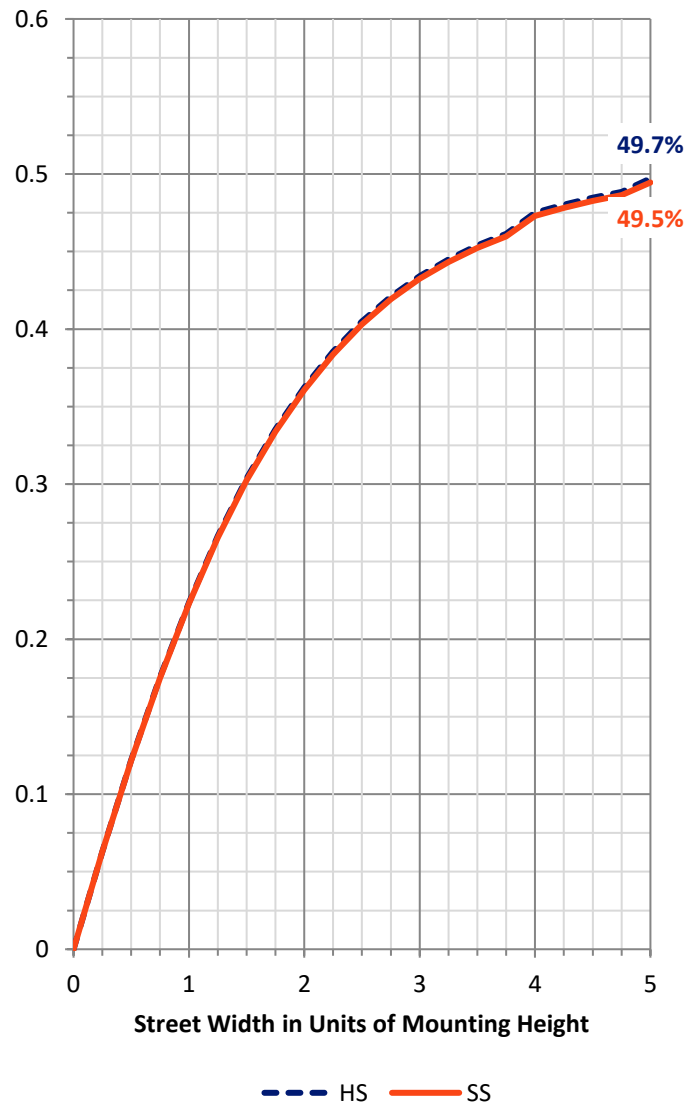
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1107.9	0.0	1107.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1107.9	0.0	1107.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	2215.9	0.0	2215.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.0	0.9
10°-20°	59.2	2.7
20°-30°	99.1	4.5
30°-40°	151.1	6.8
40°-50°	241.3	10.9
50°-60°	371.0	16.7
60°-70°	540.1	24.4
70°-80°	608.5	27.5
80°-90°	125.6	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°	2215.9	100.0
0°-180°	2215.9	100.0



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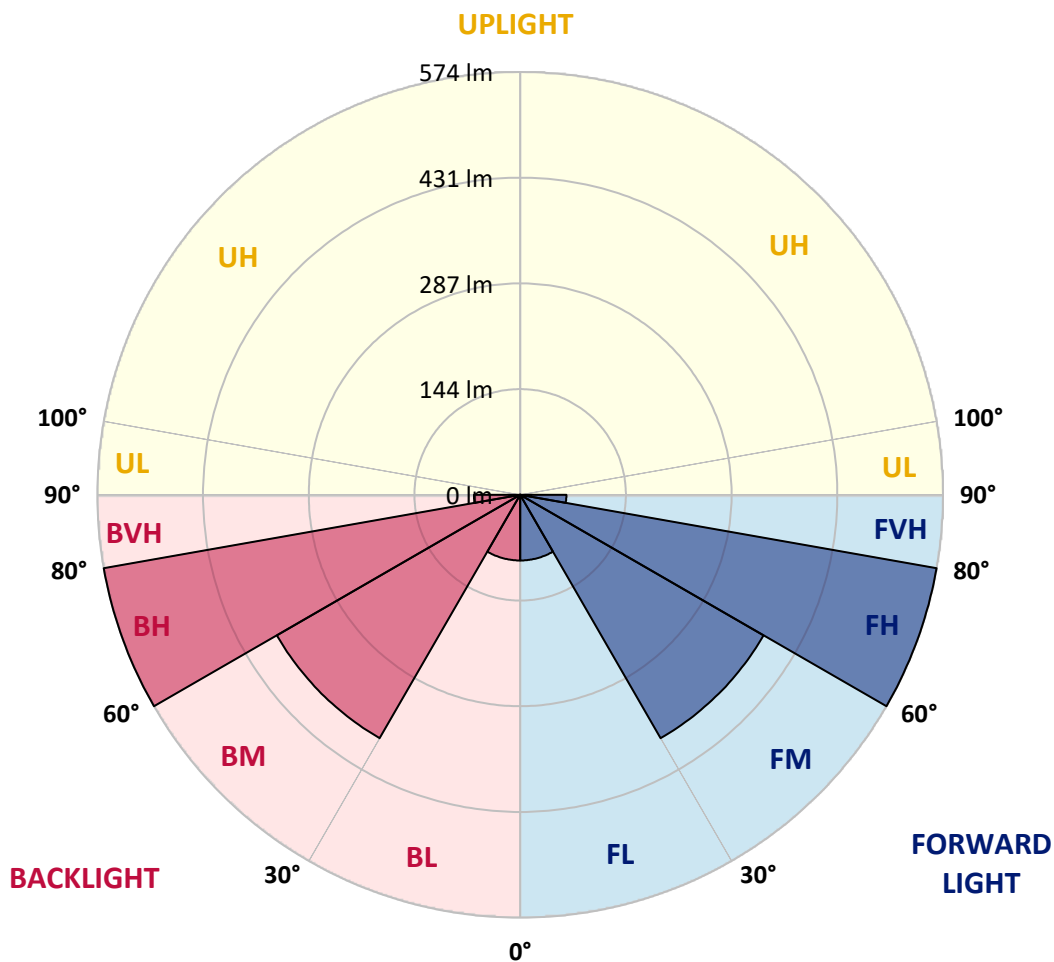
CATALOG NUMBER: AVS-F01-LED-E-U-5XQ-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	89.2	4.0			
FM	(30°-60°)	381.7	17.2			
FH	(60°-80°)	574.3	25.9			G0/660
FVH	(80°-90°)	62.8	2.8			G1/100
BL	(0°-30°)	89.2	4.0	B0/110		
BM	(30°-60°)	381.7	17.2	B1/1000		
BH	(60°-80°)	574.3	25.9	B2/1000		G0/660
BVH	(80°-90°)	62.8	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°	209.9	209.9	209.9	209.9	209.9	209.9	209.9	209.9	209.9	209.9	209.9
2.5°	210.4	210.4	210.4	210.3	210.4	210.3	210.2	210.1	209.7	209.9	210.3
5°	210.3	210.2	210.2	210.1	210.1	210.3	210.1	209.9	209.7	209.9	209.7
7.5°	210.2	209.9	209.8	209.7	209.8	209.9	209.7	209.5	209.6	209.5	209.2
10°	209.8	209.6	209.7	209.4	209.5	209.5	209.2	209.1	209.2	209.0	208.7
12.5°	209.9	209.6	209.6	209.4	209.4	209.3	209.1	208.8	208.9	208.7	208.4
15°	209.9	209.7	209.7	209.5	209.4	209.3	209.0	208.8	208.8	208.7	208.3
17.5°	210.1	209.9	209.9	209.6	209.5	209.4	209.1	208.9	209.1	208.7	208.5
20°	210.4	210.4	210.4	210.2	209.9	209.9	209.6	209.5	209.5	209.5	208.9
22.5°	211.1	211.1	211.2	211.2	211.2	211.2	211.0	211.0	211.0	211.0	210.5
25°	213.1	213.1	213.2	213.2	213.2	213.7	213.5	213.4	213.7	213.7	213.2
27.5°	216.8	216.7	216.8	216.9	217.2	217.7	217.6	217.8	218.2	218.1	217.6
30°	221.1	220.9	221.2	221.6	221.9	222.7	222.3	223.2	223.6	223.9	223.6
32.5°	227.4	227.4	227.9	228.2	228.6	229.4	229.5	230.3	230.9	231.4	231.0
35°	235.6	235.6	236.1	236.5	237.1	237.8	238.1	239.1	239.8	240.2	239.5
37.5°	248.5	247.9	248.6	248.9	249.4	249.5	250.4	251.6	252.4	252.2	251.8
40°	265.8	265.7	265.4	265.1	265.9	266.1	266.1	267.7	269.1	268.9	268.8
42.5°	286.0	285.5	285.2	285.2	285.6	285.8	287.6	288.6	289.7	289.9	289.6
45°	307.8	307.3	307.4	307.0	307.3	308.0	309.0	311.2	313.1	313.2	312.1
47.5°	331.0	329.4	330.8	328.9	330.1	330.6	333.2	336.4	339.6	340.2	339.3
50°	354.8	354.6	354.4	354.1	354.6	356.0	359.2	364.0	367.3	369.3	367.9
52.5°	380.6	379.8	379.4	378.8	379.3	381.9	386.3	390.6	396.2	398.7	396.7
55°	405.8	405.6	404.0	403.9	405.1	409.0	413.9	419.2	425.3	428.0	427.2
57.5°	431.7	430.1	429.6	428.9	431.1	434.8	440.7	450.3	456.6	459.6	457.8
60°	457.0	455.8	454.7	454.5	456.1	461.1	469.8	481.2	489.0	493.1	490.2
62.5°	484.2	483.4	482.3	480.9	484.1	490.7	501.3	514.0	525.6	530.5	526.2
65°	518.0	516.4	515.0	513.4	516.0	524.2	537.6	555.4	571.0	576.7	573.7
67.5°	553.7	552.1	552.2	551.2	555.8	567.3	584.6	608.7	629.5	639.3	633.6
70°	584.9	585.7	585.9	590.1	598.1	615.5	644.4	682.3	713.8	728.6	722.5
71°	575.5	577.5	580.5	584.9	598.8	619.4	658.7	704.6	742.2	767.3	758.9
72.5°	549.6	550.8	552.2	559.0	574.6	602.0	642.4	694.9	743.2	775.8	766.0
75°	511.9	513.1	513.6	518.3	532.5	556.4	593.4	640.0	682.7	710.3	707.6
77.5°	455.2	455.3	459.5	466.7	482.7	509.8	548.9	597.2	637.3	658.9	645.2
80°	326.8	324.7	328.9	338.2	357.9	389.2	429.1	484.4	528.8	548.9	527.8
82.5°	124.4	131.1	141.8	157.2	163.8	198.5	235.9	268.2	305.7	347.7	337.2
85°	13.3	15.0	18.9	23.4	29.5	40.8	56.5	77.1	95.0	111.7	99.2
87.5°	5.0	5.2	5.7	6.5	6.6	6.9	7.5	8.6	8.1	6.9	5.6
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°	209.9	209.9	209.9	209.9	209.9	209.9	209.9	209.9
2.5°	209.9	209.9	209.9	210.1	209.9	209.7	209.8	209.7
5°	209.9	209.7	209.7	209.8	209.7	209.8	209.7	209.8
7.5°	209.6	209.2	209.3	209.3	209.2	209.4	209.3	209.2
10°	209.0	208.6	208.8	208.7	208.6	208.7	208.7	208.7
12.5°	208.5	208.2	208.3	208.3	208.2	208.3	208.3	208.3
15°	208.4	207.9	207.9	207.7	207.8	207.9	207.9	208.1
17.5°	208.3	207.7	207.7	207.5	207.6	207.8	207.9	207.7
20°	208.6	208.1	208.1	207.9	207.9	208.2	208.1	208.1
22.5°	210.3	209.6	209.6	209.1	208.9	209.1	209.0	209.0
25°	212.8	212.1	211.9	211.3	210.8	210.8	210.7	210.6
27.5°	217.6	216.6	216.3	215.8	215.1	215.2	214.9	214.8
30°	223.0	222.1	221.2	220.5	219.8	219.5	219.1	219.1
32.5°	230.2	229.1	228.2	227.2	226.1	225.7	225.1	224.7
35°	239.0	237.5	236.4	235.8	234.7	234.2	233.7	234.2
37.5°	251.2	249.5	248.9	248.2	247.5	246.6	246.8	246.6
40°	268.2	266.6	266.0	264.7	264.6	263.5	264.1	263.6
42.5°	289.1	286.3	285.9	284.9	284.5	284.0	284.1	283.7
45°	311.9	309.4	309.0	307.3	307.4	306.1	306.5	306.5
47.5°	337.6	334.9	332.8	331.6	331.2	330.4	330.8	330.8
50°	364.0	360.5	358.1	355.8	354.7	355.0	354.2	355.6
52.5°	392.5	387.2	383.8	381.6	379.6	380.0	380.1	380.5
55°	422.0	415.2	410.3	407.4	405.6	405.7	406.2	406.6
57.5°	451.5	443.1	436.5	432.1	430.9	431.5	431.5	431.4
60°	482.3	472.1	463.6	458.7	457.6	457.3	459.6	458.9
62.5°	515.2	503.1	494.3	487.9	486.4	487.5	489.5	489.0
65°	559.0	542.2	530.8	524.5	521.9	522.9	525.7	525.6
67.5°	615.3	591.9	576.8	568.7	566.8	568.1	569.6	571.1
70°	699.6	666.1	644.7	627.0	619.5	618.0	619.6	619.7
71°	729.3	690.8	656.6	635.1	622.8	617.5	617.9	615.3
72.5°	728.1	680.6	640.6	618.2	600.9	596.8	594.8	591.6
75°	679.1	636.3	601.6	577.1	560.5	555.6	552.0	551.8
77.5°	615.8	584.2	546.0	520.0	499.9	491.7	488.1	487.9
80°	495.0	447.9	419.9	404.1	379.9	372.8	365.5	362.7
82.5°	299.4	233.9	190.2	169.0	157.3	129.5	116.3	110.1
85°	69.7	49.5	34.2	22.4	16.2	12.8	9.8	8.7
87.5°	4.7	3.7	3.3	2.7	2.1	2.0	1.2	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)