

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: P148086

Luminaire Tested: **AVS-F01-LED-E-U-5WQ-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P148086
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33675)
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-5WQ-7050
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (7) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2696.9 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type V - Short - Semi-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



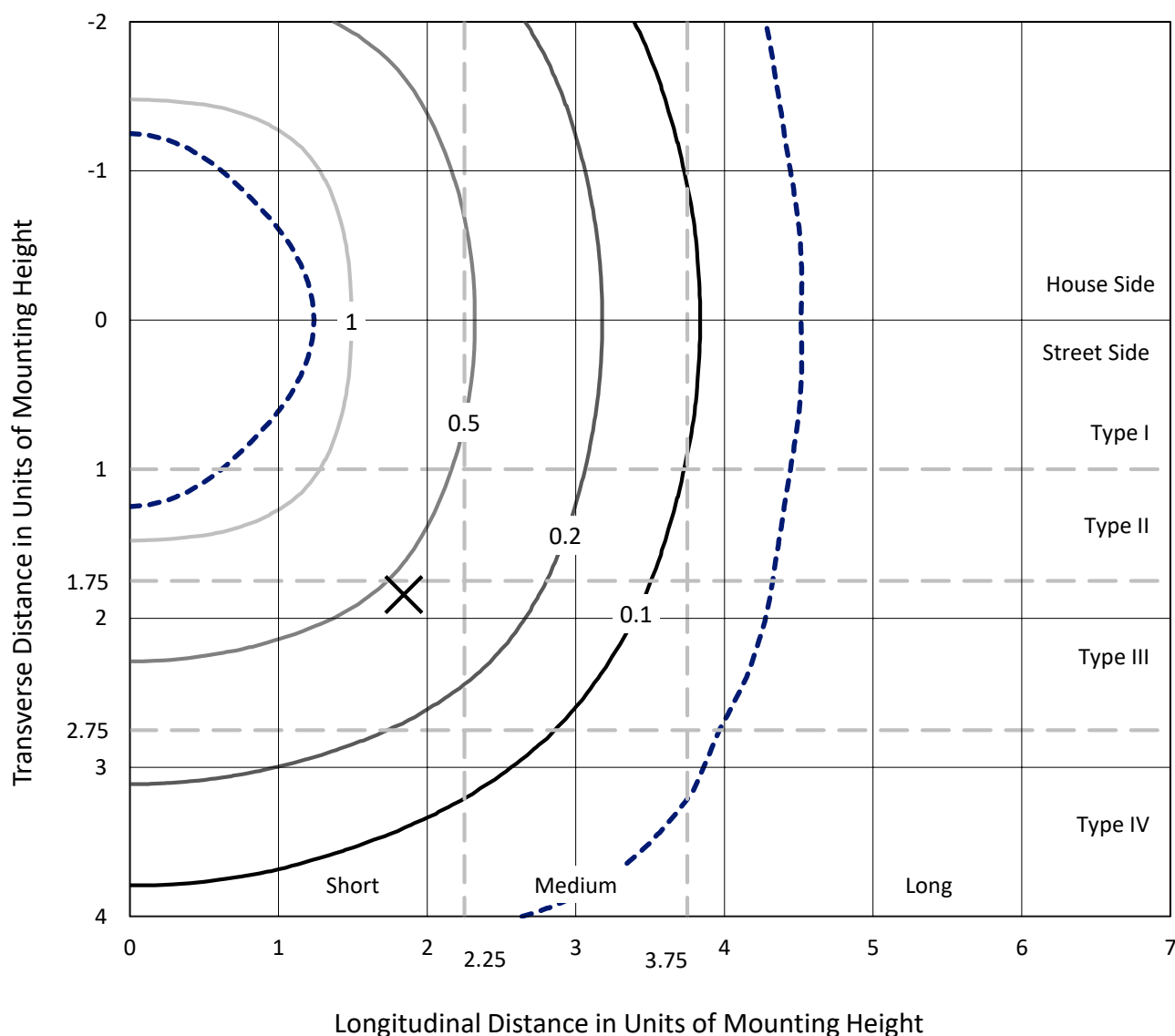
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

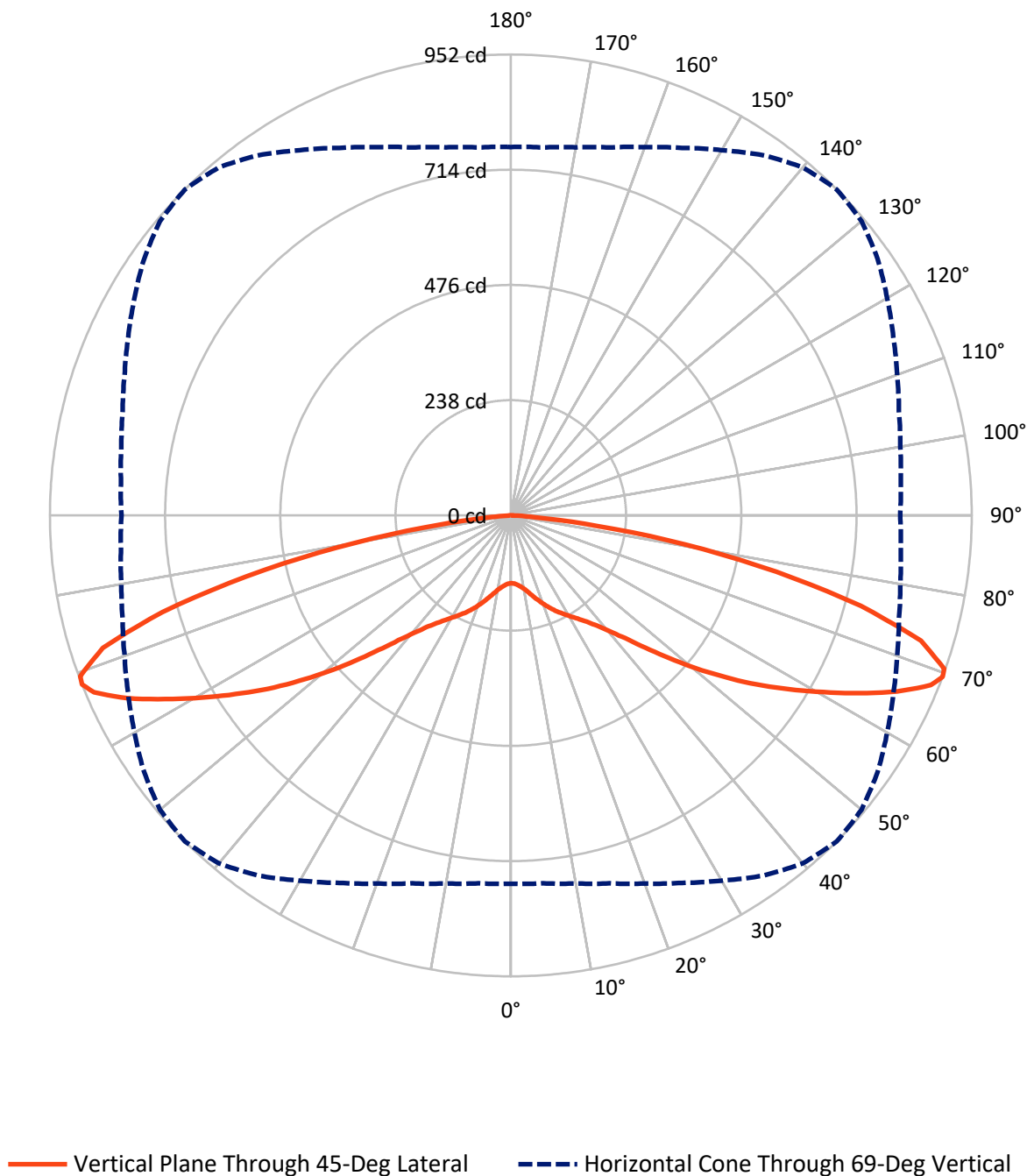


Based on 10 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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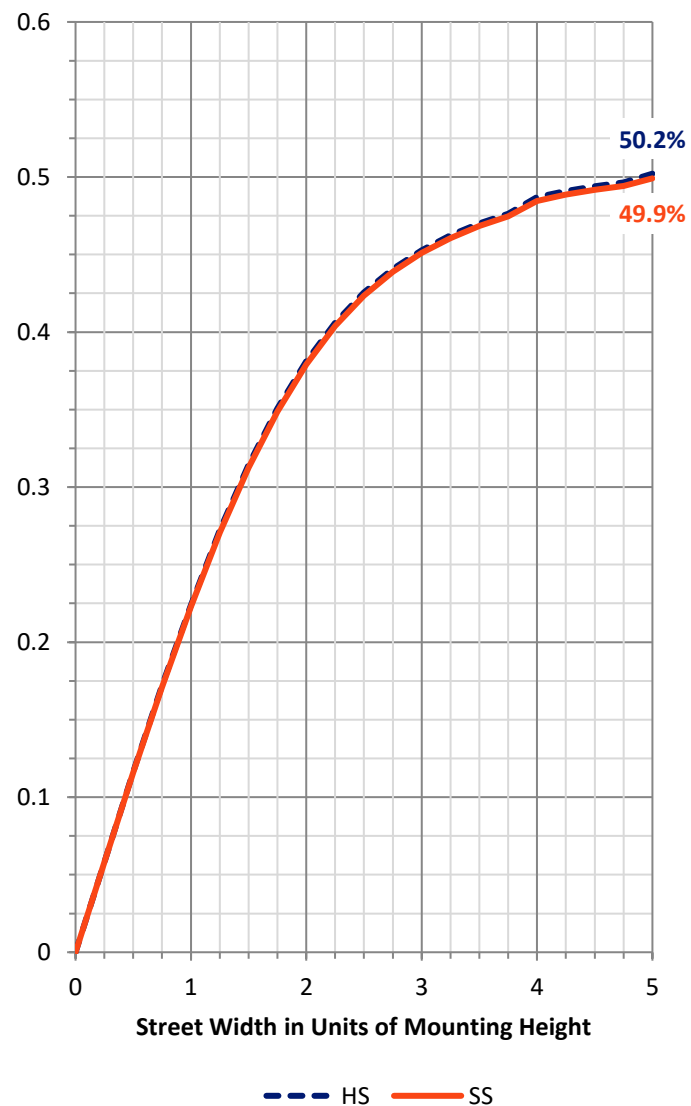
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1348.5	0.0	1348.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1348.5	0.0	1348.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2696.9	0.0	2696.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.1	0.5
10°-20°	49.7	1.8
20°-30°	100.6	3.7
30°-40°	168.6	6.3
40°-50°	297.4	11.0
50°-60°	524.4	19.4
60°-70°	800.6	29.7
70°-80°	669.0	24.8
80°-90°	72.7	2.7
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°	2696.9	100.0
0°-180°	2696.9	100.0

Coefficient of Utilization



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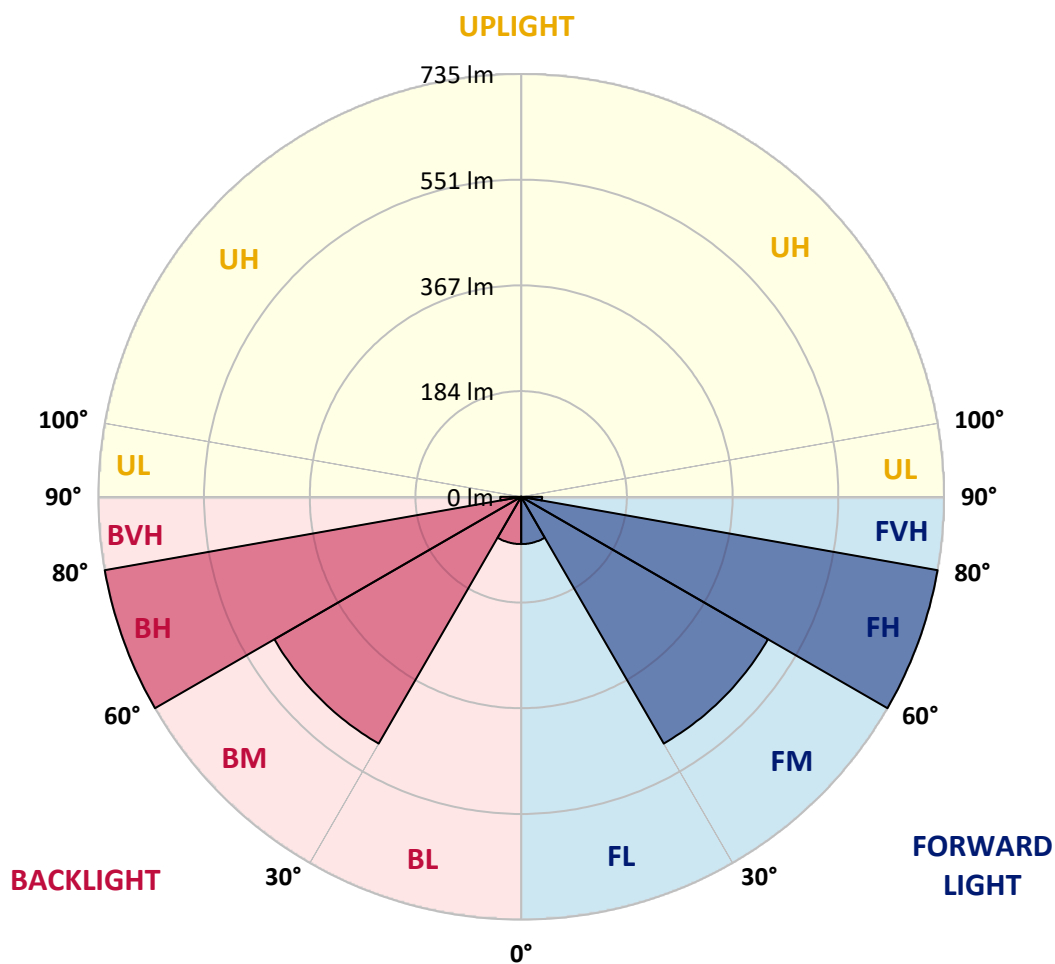
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	82.1	3.0			
FM	(30°-60°)	495.2	18.4			
FH	(60°-80°)	734.8	27.2			G1/1800
FVH	(80°-90°)	36.3	1.3			G1/100
BL	(0°-30°)	82.1	3.0	B0/110		
BM	(30°-60°)	495.2	18.4	B1/1000		
BH	(60°-80°)	734.8	27.2	B2/1000		G1/1800
BVH	(80°-90°)	36.3	1.3			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°	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
2.5°	141.1	141.5	141.1	141.1	141.1	141.1	141.1	140.9	140.9	140.9	141.1
5°	144.0	144.2	144.0	144.2	144.2	144.2	144.2	144.0	144.0	144.0	144.0
7.5°	148.5	148.5	148.5	148.8	148.5	148.5	148.8	148.5	148.5	148.5	148.5
10°	155.0	154.7	154.7	154.7	154.7	154.7	155.0	155.0	155.0	154.7	154.7
12.5°	162.9	162.6	162.9	162.9	163.2	163.2	163.2	163.2	163.2	163.2	162.9
15°	172.5	172.5	172.5	172.8	173.4	173.4	173.1	173.4	173.4	173.4	173.4
17.5°	183.2	183.8	183.2	183.5	183.8	183.5	184.1	184.4	184.7	184.4	183.5
20°	194.3	194.5	194.5	194.5	194.5	195.1	195.4	195.4	196.3	196.0	195.6
22.5°	204.7	205.3	205.3	205.6	205.6	206.4	206.4	206.4	206.9	207.6	206.9
25°	215.8	215.4	215.4	216.0	216.3	217.4	217.4	218.0	218.9	219.1	218.5
27.5°	225.6	225.3	225.3	226.2	226.4	227.9	227.9	229.0	229.5	229.8	229.3
30°	236.1	236.1	235.8	236.6	237.5	238.5	239.2	240.3	241.1	241.5	240.8
32.5°	248.5	247.9	248.2	248.8	249.3	250.5	251.3	252.7	253.9	254.1	253.6
35°	262.6	261.8	262.1	262.6	263.4	265.2	266.5	267.4	269.1	269.6	268.5
37.5°	278.1	278.4	278.1	279.6	280.9	282.9	284.7	285.7	287.5	288.3	287.5
40°	300.1	299.3	300.1	301.6	303.8	306.3	309.7	310.6	312.3	314.0	312.0
42.5°	328.7	328.1	330.1	331.2	333.8	336.6	340.8	343.1	345.6	346.7	345.1
45°	365.9	365.9	368.2	368.5	372.4	376.1	382.1	384.9	389.6	389.6	389.6
47.5°	407.2	408.8	410.3	413.1	416.0	422.7	428.6	434.8	439.4	439.9	439.1
50°	449.8	451.5	455.8	459.7	465.9	474.4	480.8	489.0	493.0	496.4	495.2
52.5°	497.0	497.2	502.3	507.4	516.5	525.8	536.2	544.7	551.7	554.8	552.3
55°	548.6	549.2	553.7	559.1	569.2	580.0	593.0	601.7	610.8	616.4	612.1
57.5°	604.6	604.8	609.3	615.9	628.0	638.7	651.1	663.5	672.0	677.1	674.3
60°	666.3	667.8	671.2	679.4	690.9	702.2	714.6	725.7	735.5	740.9	738.1
62.5°	732.4	733.9	738.7	745.2	755.3	767.8	779.6	793.7	801.9	807.9	803.6
65°	776.8	779.3	786.9	795.6	810.7	826.7	840.6	859.8	869.6	876.7	872.7
67.5°	779.6	781.0	790.4	803.6	823.6	847.9	876.2	906.1	925.6	934.9	928.1
69°	760.4	762.4	771.4	786.3	808.7	836.9	870.5	907.8	937.7	951.5	945.1
70°	738.7	742.9	752.7	769.1	790.9	820.5	855.2	895.0	930.1	949.0	944.2
72.5°	693.0	694.0	700.5	713.5	730.2	754.7	787.5	825.1	858.3	885.5	889.4
75°	615.0	618.7	623.4	632.2	640.6	658.4	680.5	706.2	725.7	746.5	747.4
77.5°	464.8	475.8	479.5	481.5	485.1	499.2	518.4	540.7	556.8	560.2	559.6
80°	208.7	223.3	226.7	242.8	252.7	276.2	305.5	339.7	362.6	365.1	358.9
82.5°	40.9	43.7	51.1	63.8	86.9	100.8	120.0	144.0	166.0	178.8	171.1
85°	13.6	14.4	16.7	18.3	21.1	24.0	29.1	36.2	44.9	49.7	44.4
87.5°	5.4	5.4	6.2	6.7	7.4	7.4	7.4	6.7	6.5	5.4	4.8
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°	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
2.5°	140.9	140.9	140.9	140.9	140.9	140.9	140.9	140.9
5°	144.0	143.7	143.7	143.4	143.4	143.4	143.4	143.4
7.5°	148.2	148.0	147.7	148.0	147.7	147.7	147.7	147.7
10°	154.7	154.2	153.9	153.6	153.6	153.6	153.4	153.4
12.5°	162.4	162.4	162.1	161.8	161.2	161.6	161.2	160.6
15°	172.8	172.2	171.9	171.7	171.1	171.1	171.1	170.8
17.5°	183.2	182.7	182.7	181.9	181.6	181.6	181.6	181.9
20°	194.8	194.0	193.4	192.8	192.3	192.5	192.0	192.5
22.5°	206.4	205.3	204.7	203.8	203.0	203.0	202.7	202.2
25°	217.7	216.3	215.8	214.9	213.8	213.8	213.2	212.6
27.5°	228.4	227.0	226.4	224.8	223.6	223.3	222.8	222.5
30°	240.3	238.5	237.7	236.1	234.4	234.1	233.3	233.3
32.5°	252.7	251.0	250.5	247.9	246.5	246.5	245.9	245.4
35°	268.3	265.7	265.2	262.6	260.6	260.6	260.1	260.3
37.5°	286.6	284.7	282.6	280.6	278.4	278.1	277.5	277.0
40°	311.2	308.9	306.6	303.8	301.9	301.2	300.4	300.1
42.5°	343.9	341.7	337.1	334.9	332.8	331.2	330.9	330.7
45°	385.7	382.9	379.8	375.5	373.0	369.3	368.8	367.4
47.5°	436.0	430.6	425.2	421.6	417.6	413.4	412.5	410.3
50°	489.3	485.1	476.1	470.2	463.9	459.7	456.9	456.0
52.5°	546.6	538.8	529.7	521.8	512.7	507.2	502.1	500.6
55°	606.5	595.2	583.9	574.6	565.6	558.8	554.0	551.7
57.5°	666.3	654.0	641.6	631.4	623.7	615.0	610.2	609.0
60°	728.8	716.9	704.2	694.0	684.8	677.1	674.3	668.9
62.5°	794.8	782.4	770.6	760.7	748.8	743.4	738.7	735.5
65°	859.8	845.4	830.5	820.0	808.1	800.5	794.5	790.4
67.5°	910.1	888.3	868.3	850.8	834.6	822.8	815.1	811.2
69°	924.1	897.1	871.4	848.5	829.5	816.3	807.9	803.8
70°	922.5	892.5	864.2	839.2	818.5	804.5	796.3	788.9
72.5°	870.3	842.8	811.5	784.1	765.5	751.9	743.7	739.8
75°	742.6	724.2	701.7	680.5	666.9	659.1	648.8	649.1
77.5°	540.7	541.2	526.0	504.2	489.0	486.2	481.7	477.2
80°	335.4	308.6	291.1	267.7	250.5	235.4	229.0	214.9
82.5°	154.7	120.8	93.8	70.9	54.5	42.6	37.3	30.5
85°	34.4	26.2	21.8	17.5	14.9	13.9	11.3	10.5
87.5°	4.8	4.2	3.9	3.6	3.1	2.3	1.7	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)