

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: P148083

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P148083
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-8030
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2218.3 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 - 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



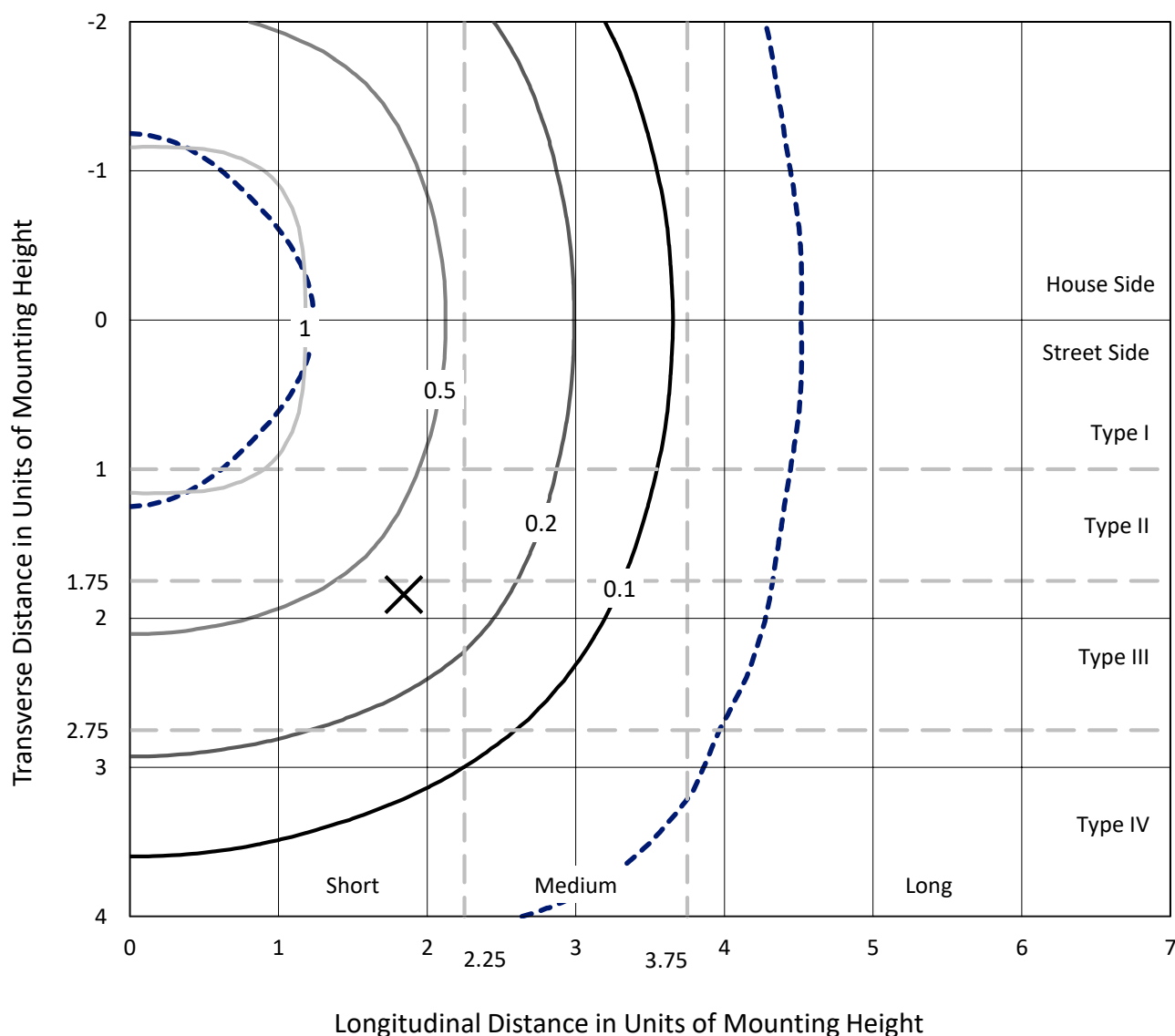
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

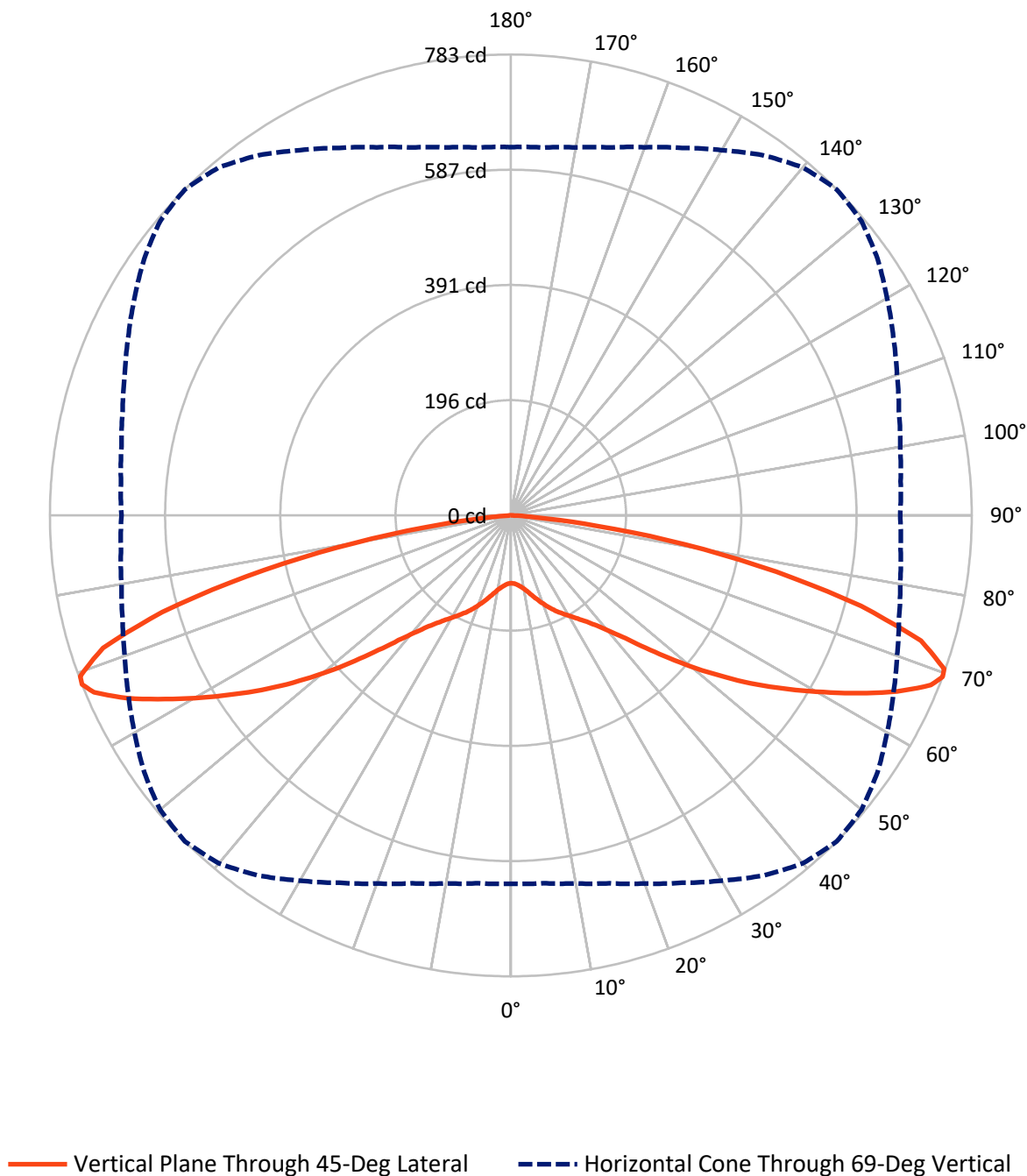


Based on 10 foot mounting height. Maximum calculated value = 1.3 fc
Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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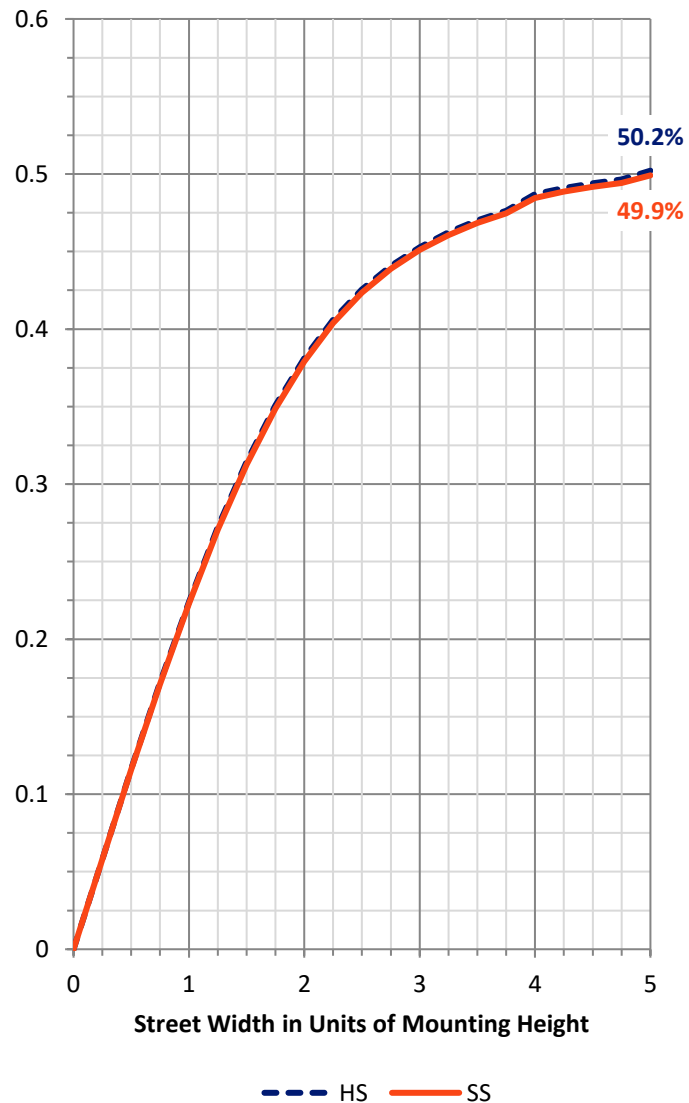
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1109.1	0.0	1109.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1109.1	0.0	1109.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	2218.3	0.0	2218.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.6	0.5
10°-20°	40.8	1.8
20°-30°	82.7	3.7
30°-40°	138.7	6.3
40°-50°	244.6	11.0
50°-60°	431.3	19.4
60°-70°	658.5	29.7
70°-80°	550.3	24.8
80°-90°	59.8	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°	2218.3	100.0
0°-180°	2218.3	100.0



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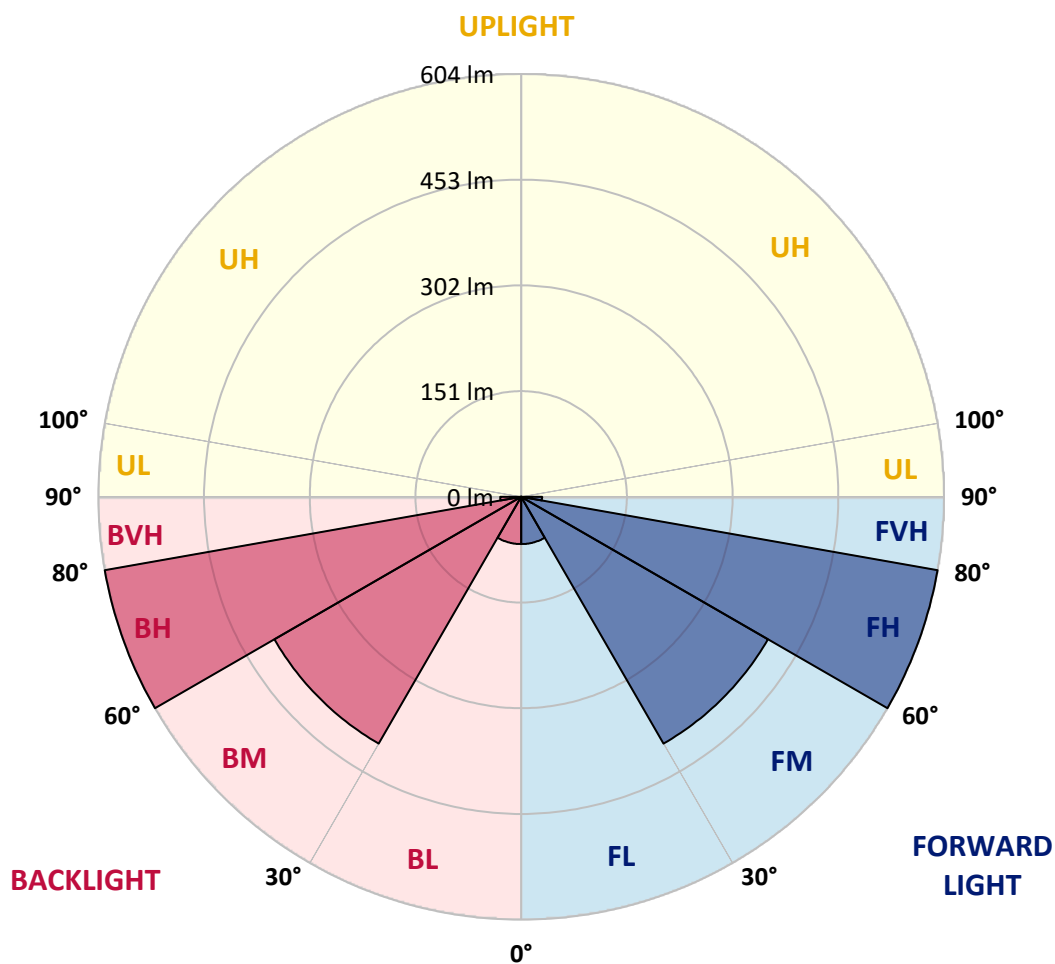
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	67.6	3.0			
FM	(30°-60°)	407.3	18.4			
FH	(60°-80°)	604.4	27.2			G0/660
FVH	(80°-90°)	29.9	1.3			G1/100
BL	(0°-30°)	67.6	3.0	B0/110		
BM	(30°-60°)	407.3	18.4	B1/1000		
BH	(60°-80°)	604.4	27.2	B2/1000		G0/660
BVH	(80°-90°)	29.9	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°	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2
2.5°	116.2	116.4	116.2	116.2	116.2	116.2	116.2	115.9	115.9	115.9	116.2
5°	118.4	118.7	118.4	118.7	118.7	118.7	118.7	118.4	118.4	118.4	118.4
7.5°	122.2	122.2	122.2	122.4	122.2	122.2	122.4	122.2	122.2	122.2	122.2
10°	127.5	127.3	127.3	127.3	127.3	127.3	127.5	127.5	127.5	127.3	127.3
12.5°	134.0	133.8	134.0	134.0	134.2	134.2	134.2	134.2	134.2	134.2	134.0
15°	141.9	141.9	141.9	142.2	142.6	142.6	142.4	142.6	142.6	142.6	142.6
17.5°	150.8	151.2	150.8	151.0	151.2	151.0	151.4	151.6	151.9	151.6	151.0
20°	159.8	160.0	160.0	160.0	160.0	160.5	160.7	160.7	161.5	161.1	160.9
22.5°	168.4	168.8	168.8	169.1	169.1	169.7	169.7	169.7	170.3	170.7	170.3
25°	177.4	177.2	177.2	177.6	177.9	178.9	178.9	179.3	180.0	180.2	179.8
27.5°	185.6	185.3	185.3	186.0	186.2	187.5	187.5	188.4	188.8	189.0	188.6
30°	194.2	194.2	193.9	194.6	195.3	196.3	196.7	197.6	198.3	198.5	198.1
32.5°	204.4	203.9	204.1	204.6	205.1	206.0	206.7	207.9	208.8	209.0	208.6
35°	216.0	215.3	215.5	216.0	216.7	218.0	219.3	219.9	221.3	221.8	220.8
37.5°	228.8	229.0	228.8	229.9	231.1	232.7	234.1	235.0	236.5	237.1	236.5
40°	246.8	246.2	246.8	248.1	249.8	252.0	254.8	255.4	256.9	258.2	256.6
42.5°	270.4	269.8	271.5	272.4	274.5	276.8	280.3	282.2	284.2	285.2	283.8
45°	301.0	301.0	302.8	303.1	306.3	309.3	314.2	316.6	320.5	320.5	320.5
47.5°	334.9	336.3	337.4	339.8	342.1	347.7	352.5	357.6	361.3	361.9	361.1
50°	369.9	371.4	374.8	378.1	383.2	390.2	395.5	402.3	405.5	408.3	407.4
52.5°	408.7	409.0	413.2	417.3	424.8	432.4	441.0	448.0	453.8	456.4	454.3
55°	451.3	451.7	455.4	459.9	468.2	477.0	487.7	494.9	502.4	506.9	503.5
57.5°	497.2	497.5	501.1	506.5	516.5	525.4	535.5	545.8	552.7	556.9	554.6
60°	548.1	549.2	552.0	558.8	568.3	577.6	587.8	596.9	605.0	609.4	607.0
62.5°	602.5	603.6	607.6	612.8	621.2	631.5	641.2	652.8	659.6	664.5	660.9
65°	638.9	641.0	647.3	654.5	666.7	680.0	691.4	707.2	715.3	721.1	717.8
67.5°	641.2	642.4	650.1	660.9	677.4	697.4	720.6	745.3	761.3	769.0	763.4
69°	625.4	627.0	634.5	646.8	665.2	688.4	716.1	746.6	771.3	782.7	777.3
70°	607.6	611.1	619.2	632.6	650.6	674.9	703.4	736.2	765.0	780.6	776.6
72.5°	569.9	570.9	576.2	586.8	600.6	620.8	647.8	678.7	706.0	728.3	731.6
75°	505.8	508.8	512.7	520.0	526.9	541.6	559.7	580.8	596.9	614.1	614.7
77.5°	382.3	391.3	394.3	396.0	399.0	410.6	426.4	444.8	458.0	460.7	460.3
80°	171.6	183.7	186.5	199.7	207.9	227.2	251.3	279.4	298.2	300.3	295.2
82.5°	33.7	36.0	42.1	52.5	71.5	82.9	98.7	118.4	136.6	147.0	140.7
85°	11.2	11.8	13.7	15.1	17.4	19.7	23.9	29.7	36.9	40.8	36.5
87.5°	4.5	4.5	5.1	5.6	6.0	6.0	6.0	5.6	5.4	4.5	3.9
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°	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2
2.5°	115.9	115.9	115.9	115.9	115.9	115.9	115.9	115.9
5°	118.4	118.2	118.2	118.0	118.0	118.0	118.0	118.0
7.5°	122.0	121.7	121.5	121.7	121.5	121.5	121.5	121.5
10°	127.3	126.8	126.5	126.3	126.3	126.3	126.1	126.1
12.5°	133.6	133.6	133.3	133.1	132.6	132.8	132.6	132.1
15°	142.2	141.7	141.5	141.2	140.7	140.7	140.7	140.5
17.5°	150.8	150.3	150.3	149.5	149.3	149.3	149.3	149.5
20°	160.2	159.6	159.1	158.7	158.1	158.3	157.9	158.3
22.5°	169.7	168.8	168.4	167.7	166.9	166.9	166.7	166.3
25°	179.1	177.9	177.4	176.8	175.9	175.9	175.3	174.9
27.5°	187.9	186.7	186.2	184.9	183.9	183.7	183.2	183.0
30°	197.6	196.3	195.5	194.2	192.7	192.5	191.8	191.8
32.5°	207.9	206.4	206.0	203.9	202.8	202.8	202.3	201.9
35°	220.6	218.5	218.0	216.0	214.4	214.4	213.9	214.1
37.5°	235.8	234.1	232.4	230.9	229.0	228.8	228.3	227.9
40°	256.0	254.1	252.2	249.8	248.3	247.8	247.2	246.8
42.5°	282.9	281.0	277.3	275.4	273.8	272.4	272.2	271.9
45°	317.2	314.9	312.3	308.9	306.8	303.7	303.3	302.2
47.5°	358.5	354.2	349.7	346.7	343.5	340.0	339.3	337.4
50°	402.5	399.0	391.6	386.7	381.6	378.1	375.8	375.0
52.5°	449.6	443.1	435.6	429.2	421.8	417.1	413.0	411.8
55°	498.9	489.5	480.3	472.6	465.2	459.6	455.6	453.8
57.5°	548.1	537.9	527.7	519.3	513.1	505.8	501.9	500.9
60°	599.4	589.6	579.2	570.9	563.2	556.9	554.6	550.2
62.5°	653.8	643.5	633.8	625.7	616.0	611.5	607.6	605.0
65°	707.2	695.3	683.0	674.4	664.7	658.4	653.6	650.1
67.5°	748.5	730.7	714.2	699.8	686.5	676.8	670.5	667.3
69°	760.1	737.8	716.7	697.9	682.4	671.4	664.5	661.2
70°	758.8	734.1	710.9	690.3	673.3	661.7	654.9	648.9
72.5°	715.8	693.3	667.5	645.0	629.6	618.4	611.7	608.5
75°	610.8	595.8	577.1	559.7	548.6	542.1	533.7	533.9
77.5°	444.8	445.2	432.6	414.8	402.3	399.9	396.2	392.5
80°	276.0	253.9	239.5	220.2	206.0	193.7	188.4	176.8
82.5°	127.3	99.4	77.1	58.3	44.9	35.0	30.7	25.1
85°	28.3	21.6	17.9	14.4	12.3	11.4	9.3	8.6
87.5°	3.9	3.5	3.2	3.0	2.6	1.9	1.3	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)