

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: P147564

Luminaire Tested: **AVS-F01-LED-E-U-5MQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P147564
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33674)
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-5MQ-7030
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2430.7 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type V - Short - Full 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

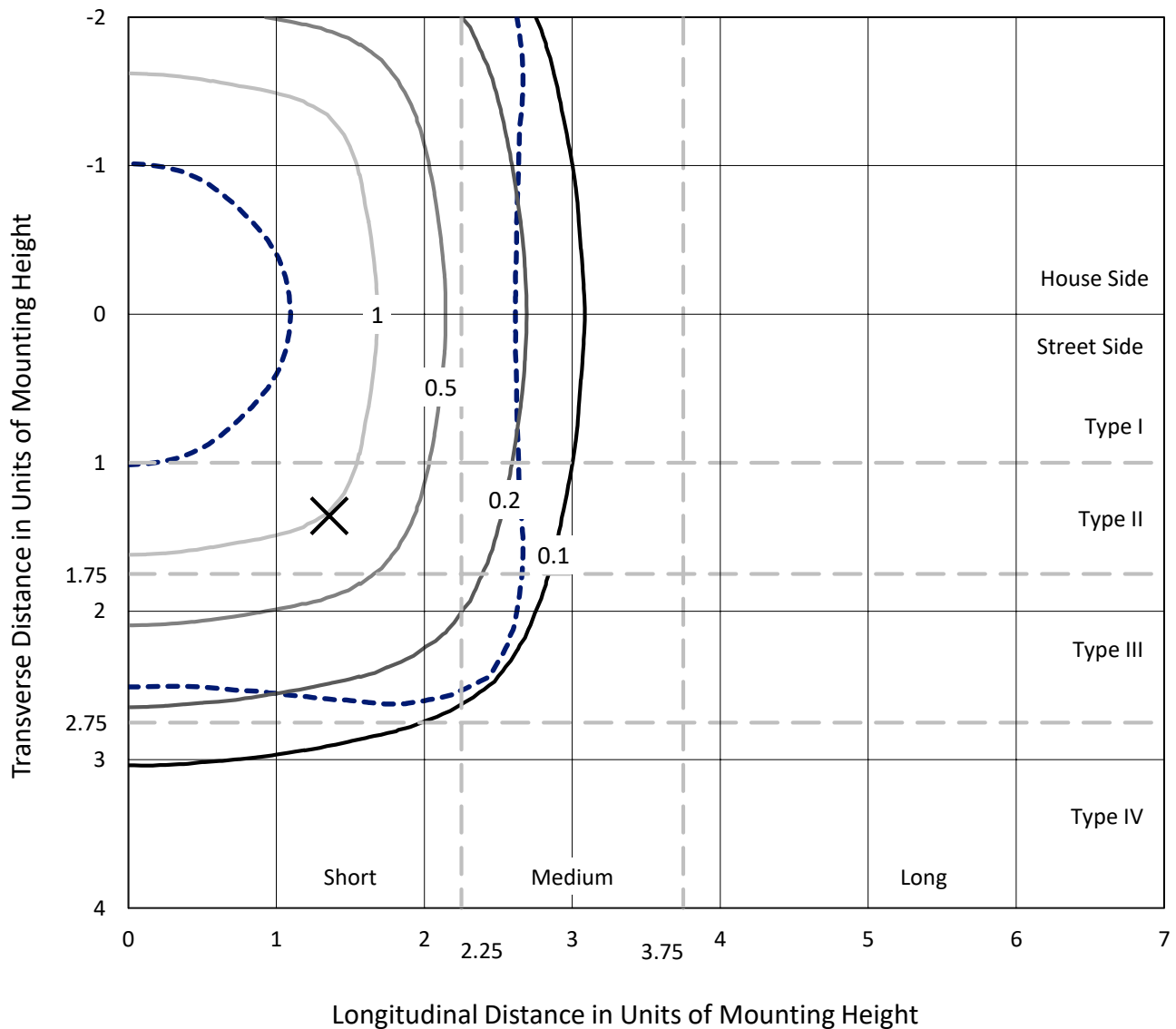


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

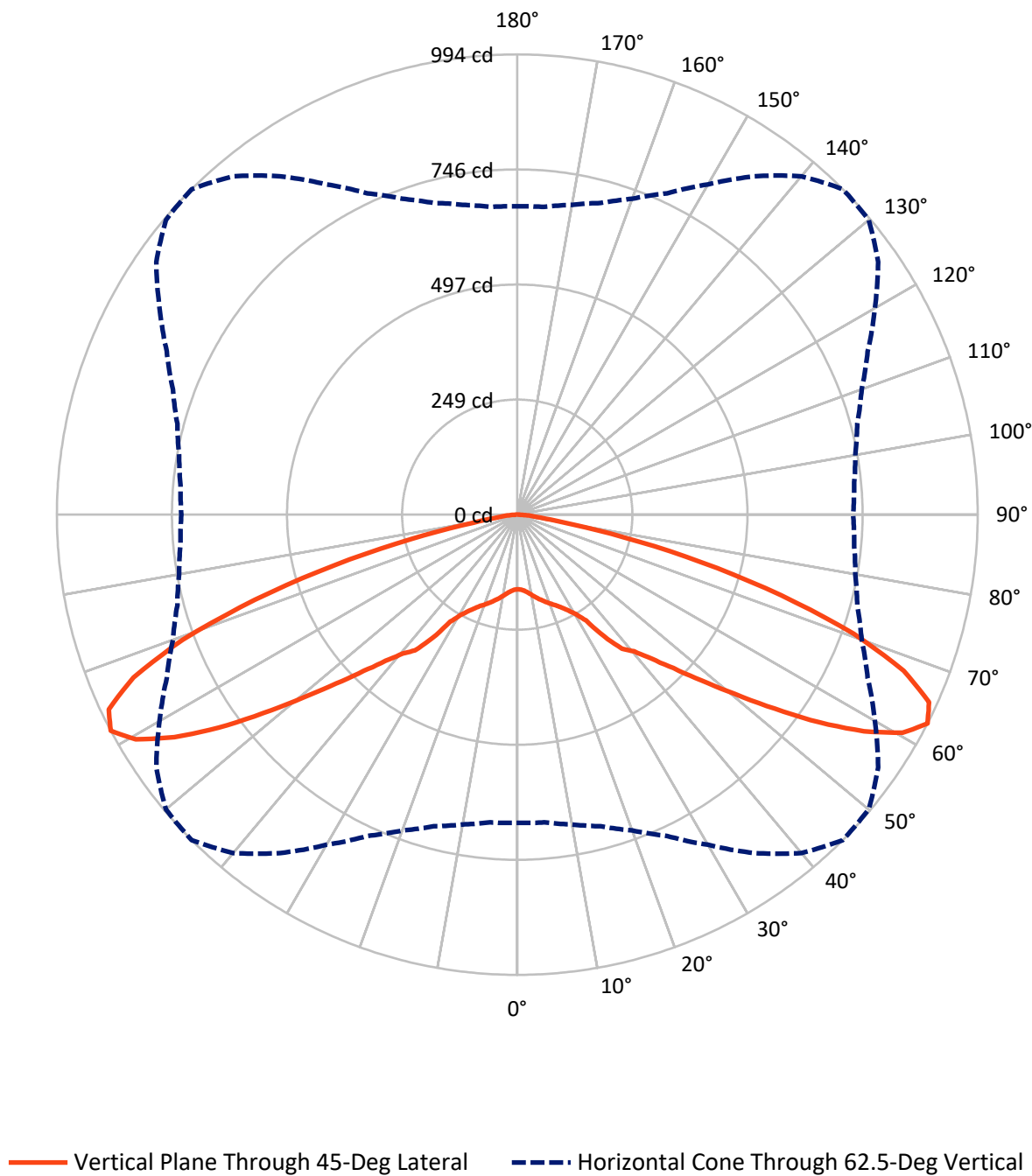


Based on 10 foot mounting height. Maximum calculated value = 1.8 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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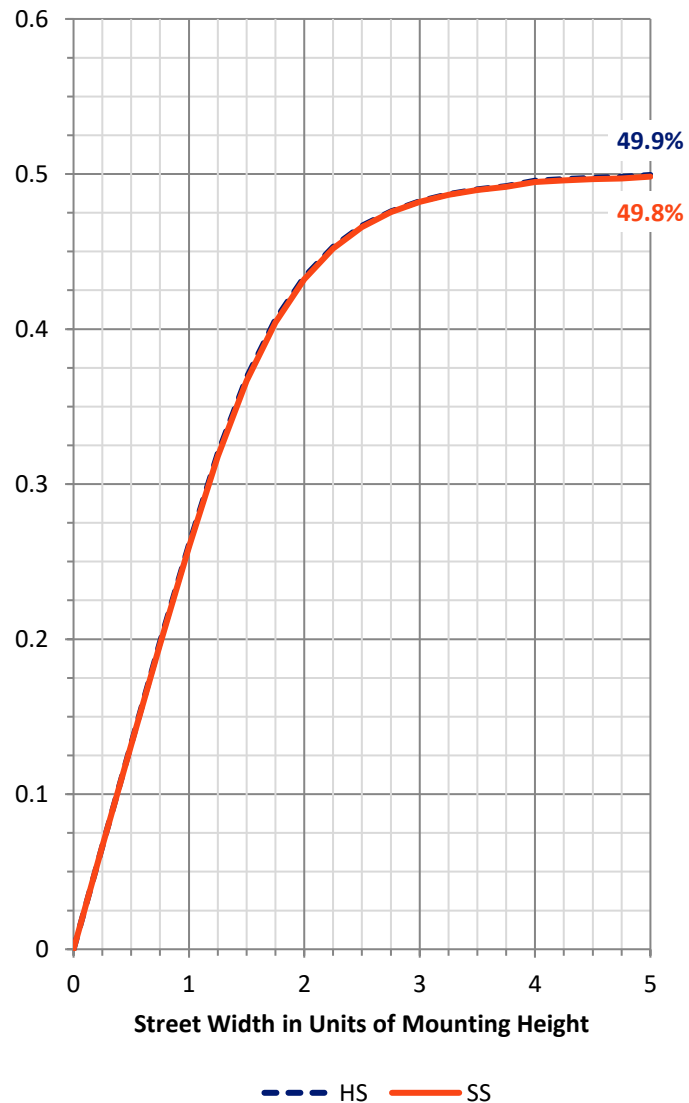
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1215.4	0.0	1215.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1215.4	0.0	1215.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	2430.7	0.0	2430.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.2	0.7
10°-20°	54.7	2.2
20°-30°	105.7	4.3
30°-40°	204.6	8.4
40°-50°	369.5	15.2
50°-60°	642.5	26.4
60°-70°	729.4	30.0
70°-80°	282.8	11.6
80°-90°	25.5	1.0
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°	2430.7	100.0
0°-180°	2430.7	100.0

Coefficient of Utilization



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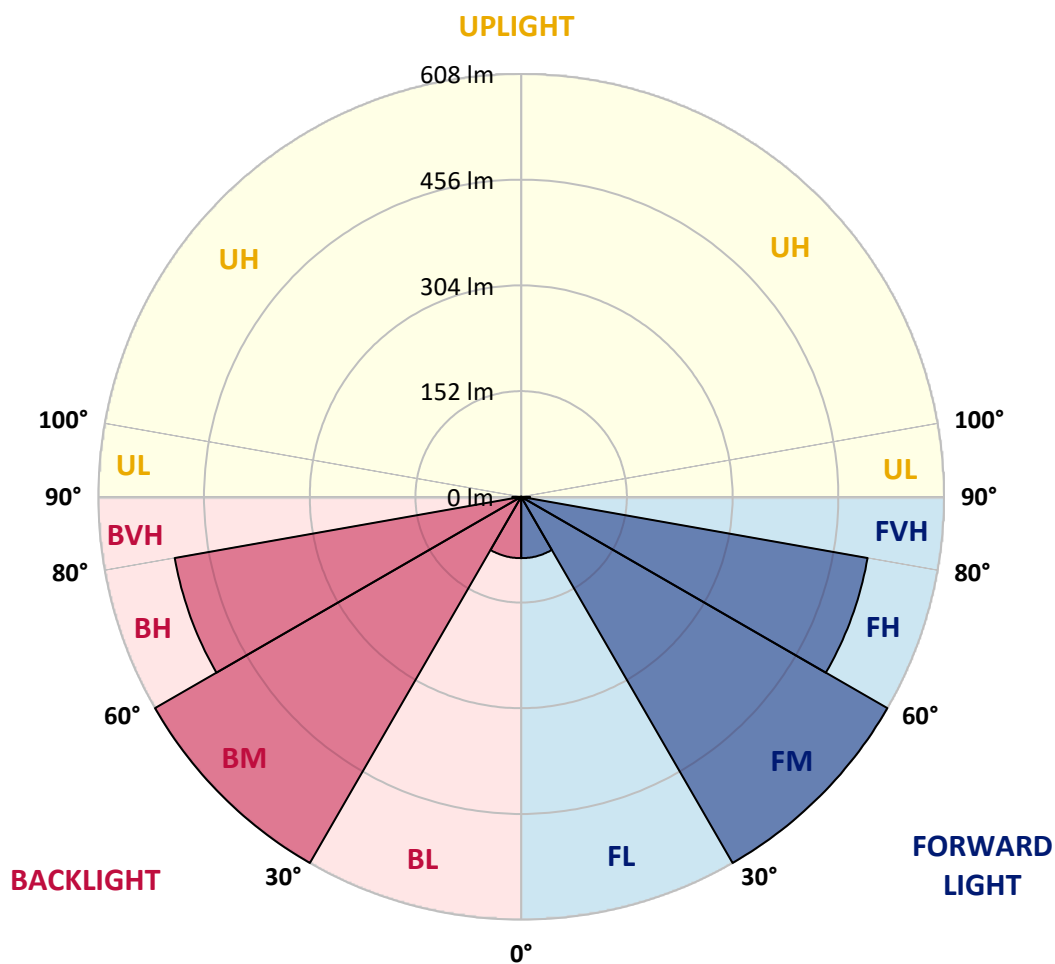
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	88.3	3.6			
FM	(30°-60°)	608.3	25.0			
FH	(60°-80°)	506.1	20.8			G0/660
FVH	(80°-90°)	12.8	0.5			G1/100
BL	(0°-30°)	88.3	3.6	B0/110		
BM	(30°-60°)	608.3	25.0	B1/1000		
BH	(60°-80°)	506.1	20.8	B2/1000		G0/660
BVH	(80°-90°)	12.8	0.5			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°	161.3	161.3	161.3	161.3	161.3	161.3	161.3	161.3	161.3	161.3	161.3
2.5°	162.3	162.8	162.7	162.5	162.5	162.5	162.4	162.1	161.9	162.1	162.4
5°	166.1	166.1	166.1	166.1	165.8	165.9	165.6	165.4	165.5	165.2	165.2
7.5°	171.9	171.6	171.6	171.4	171.4	171.2	170.8	170.3	170.4	170.3	170.2
10°	178.7	178.9	178.4	178.9	178.2	178.0	177.6	177.3	177.2	176.8	176.8
12.5°	186.8	186.5	186.5	186.3	186.0	185.7	185.0	184.9	184.4	184.1	183.7
15°	194.6	194.4	194.0	193.4	193.4	193.0	192.1	191.7	191.5	190.9	190.4
17.5°	202.2	201.9	201.3	201.0	200.6	200.2	199.4	198.7	198.3	198.1	197.4
20°	210.4	210.2	209.5	208.9	208.3	207.9	206.7	206.1	205.7	205.3	204.8
22.5°	220.5	220.1	219.1	218.2	216.8	216.3	214.7	213.9	213.3	212.7	212.4
25°	231.6	231.7	230.3	229.2	227.6	226.1	224.2	223.2	222.7	222.2	222.1
27.5°	245.4	245.6	244.4	242.7	240.2	238.7	236.1	234.8	234.5	234.0	233.9
30°	267.3	266.1	264.0	261.3	259.1	255.9	252.2	251.0	249.7	249.3	249.3
32.5°	307.6	306.9	305.1	298.7	295.5	288.7	282.3	278.8	274.6	272.5	271.3
35°	335.6	335.4	334.1	331.8	329.9	328.5	324.8	324.1	323.3	323.3	324.4
37.5°	356.4	354.8	354.6	355.0	354.5	354.8	357.7	361.9	365.4	367.2	366.9
40°	387.0	384.9	386.2	385.3	384.2	383.9	384.9	386.5	388.2	388.2	387.8
42.5°	427.2	428.2	428.6	425.1	422.6	422.0	424.4	423.8	425.5	424.9	423.2
45°	486.6	486.1	485.2	480.8	477.1	474.0	474.6	473.8	473.9	473.0	471.6
47.5°	546.7	548.9	545.3	543.2	538.9	536.7	538.4	537.0	539.9	534.6	532.0
50°	605.1	606.5	605.4	602.3	602.3	605.3	607.5	610.2	614.3	608.3	599.2
52.5°	652.8	654.1	656.0	658.4	664.7	671.1	680.1	689.7	697.4	696.4	686.0
55°	682.0	683.5	686.7	695.3	706.4	723.2	743.6	766.2	783.7	792.3	784.8
57.5°	691.8	693.0	701.5	711.9	729.1	754.1	788.4	827.3	861.0	882.6	879.2
60°	689.5	689.5	698.2	712.5	736.6	769.8	818.3	872.1	923.9	956.1	951.3
62.5°	665.8	667.0	679.4	696.7	725.8	765.6	823.4	892.1	954.1	994.0	990.2
65°	613.8	614.6	628.1	648.5	681.1	728.1	791.3	867.5	938.4	977.0	969.6
67.5°	529.7	530.6	541.6	564.6	599.1	648.2	716.4	800.2	869.7	900.1	878.3
70°	421.3	423.8	430.9	455.3	481.6	529.7	592.5	676.4	741.9	770.8	746.5
72.5°	287.2	293.5	302.2	323.8	348.8	388.8	438.8	509.4	562.1	595.4	573.9
75°	161.7	170.8	173.5	189.8	210.5	242.1	278.5	329.3	382.4	409.4	383.6
77.5°	69.8	77.3	80.5	88.2	104.2	117.5	139.7	174.0	215.0	234.0	202.9
80°	34.4	36.3	37.5	40.0	44.5	48.7	59.3	74.2	91.1	95.3	75.9
82.5°	26.6	27.9	30.3	32.1	33.4	34.4	35.4	37.4	39.2	40.0	37.7
85°	18.8	20.3	23.0	25.1	26.4	27.4	28.2	28.8	27.3	24.9	26.1
87.5°	5.0	6.4	8.9	9.7	11.0	11.5	11.3	11.7	10.6	7.7	8.5
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°	161.3	161.3	161.3	161.3	161.3	161.3	161.3	161.3
2.5°	162.3	162.1	162.3	162.3	162.3	162.1	162.1	162.1
5°	165.2	165.2	165.3	165.0	165.0	165.2	165.0	164.9
7.5°	170.1	169.9	169.9	169.7	169.9	169.7	169.7	169.6
10°	176.6	176.3	176.4	176.1	176.1	176.0	176.0	176.0
12.5°	183.6	183.2	183.3	183.0	182.4	182.5	182.6	182.5
15°	190.4	190.1	189.6	189.4	189.0	189.1	189.1	189.0
17.5°	197.3	196.6	196.5	196.1	195.9	195.9	195.9	196.1
20°	204.5	203.9	203.8	203.5	203.3	203.7	203.8	203.6
22.5°	212.1	211.8	212.1	211.9	212.2	212.4	212.6	212.3
25°	221.8	221.6	222.0	222.8	223.3	223.5	224.2	223.9
27.5°	234.2	234.0	234.8	236.2	236.9	238.1	238.8	239.1
30°	250.4	251.4	252.0	254.5	254.9	257.0	257.0	257.8
32.5°	273.8	275.9	279.6	283.5	288.9	292.8	292.8	294.8
35°	325.0	325.9	328.7	329.3	330.5	331.8	330.5	331.5
37.5°	364.4	360.4	357.6	353.8	351.3	351.3	351.6	351.4
40°	384.5	382.9	381.7	378.4	377.8	377.8	377.7	378.2
42.5°	420.3	416.7	414.7	411.9	411.1	410.8	410.7	410.9
45°	467.2	461.1	455.8	453.1	450.6	448.3	449.1	449.1
47.5°	521.5	512.3	503.5	498.8	494.6	492.7	491.5	491.1
50°	587.8	574.9	563.5	554.7	548.6	548.5	549.1	545.2
52.5°	668.9	648.7	634.6	622.6	616.9	616.3	614.3	612.0
55°	758.9	734.9	711.6	698.7	691.3	687.3	684.9	681.1
57.5°	851.6	819.3	785.9	765.2	752.1	743.1	738.2	736.2
60°	923.1	879.0	834.9	801.7	779.9	766.4	758.1	754.7
62.5°	951.3	891.5	834.9	791.2	759.8	741.1	729.9	725.1
65°	917.7	846.8	782.6	734.3	699.3	678.4	666.3	661.0
67.5°	824.0	761.5	691.4	643.3	607.4	586.8	573.7	569.7
70°	690.8	626.8	560.0	517.1	485.0	468.2	454.5	452.8
72.5°	519.2	463.9	406.6	371.2	345.3	317.7	310.7	314.2
75°	332.8	281.1	230.1	198.1	174.5	148.2	138.0	140.5
77.5°	157.6	122.1	88.1	68.1	57.2	48.9	46.8	45.5
80°	58.4	47.4	41.8	39.7	38.2	36.9	35.9	34.7
82.5°	37.8	36.9	35.9	35.4	34.4	32.5	29.2	27.9
85°	28.3	28.3	26.7	26.9	26.0	23.7	20.7	19.1
87.5°	8.3	7.5	6.8	6.3	6.1	5.6	4.0	3.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)