

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: P147563

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P147563
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-8030
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2246.1 lumens
Efficiency: N/A
Efficacy: 86.7 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B1 - 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

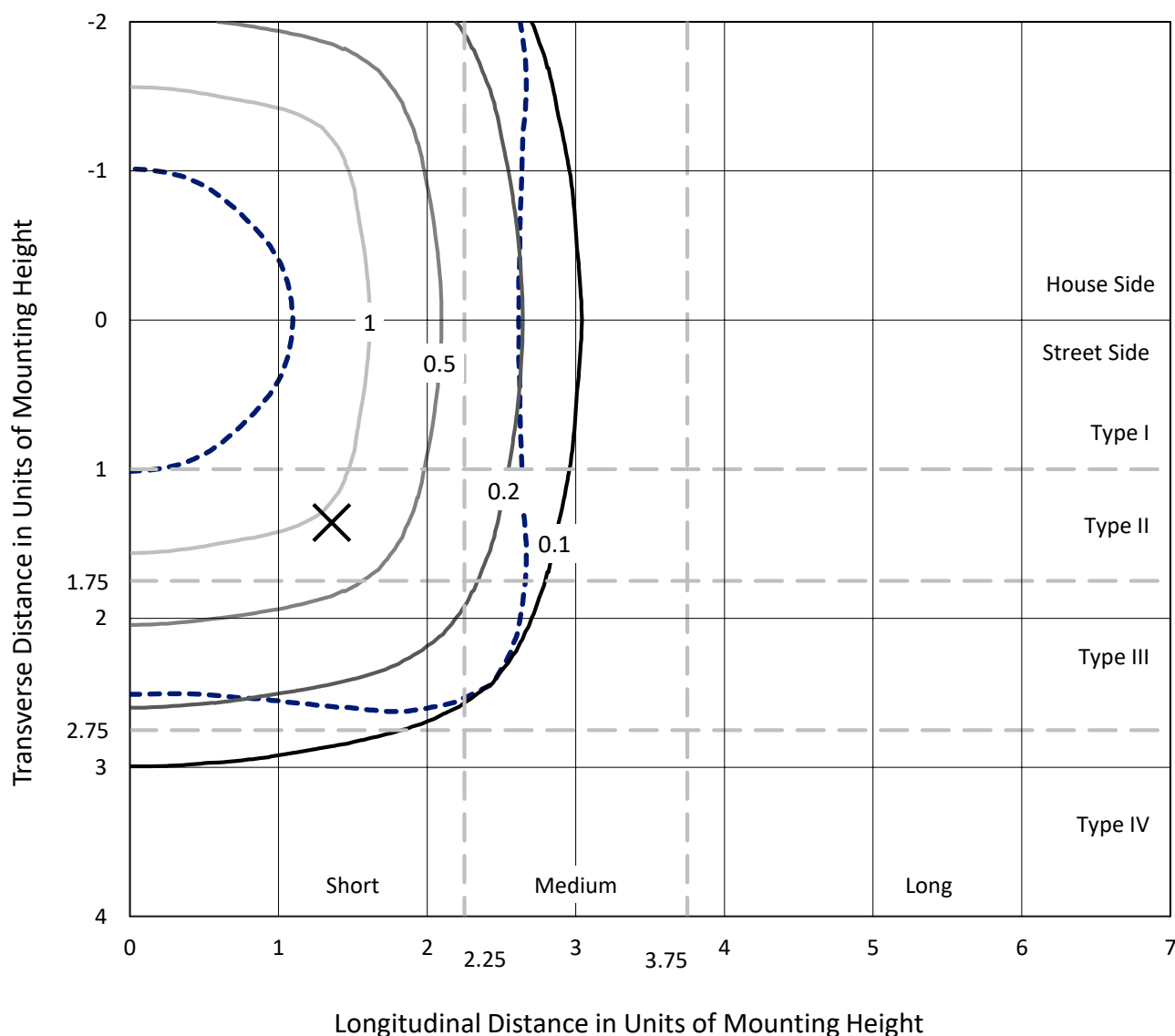


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

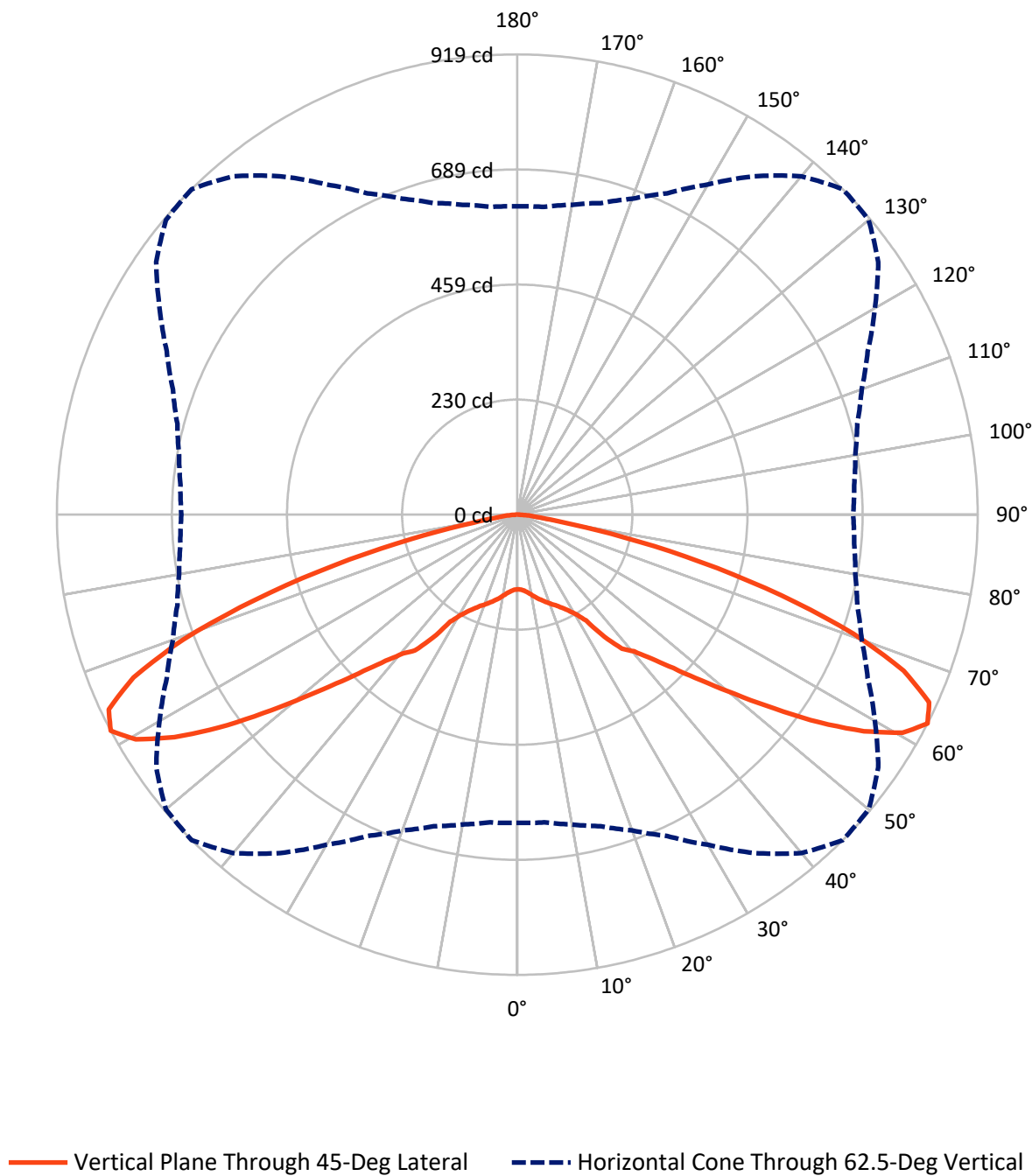


Based on 10 foot mounting height. Maximum calculated value = 1.7 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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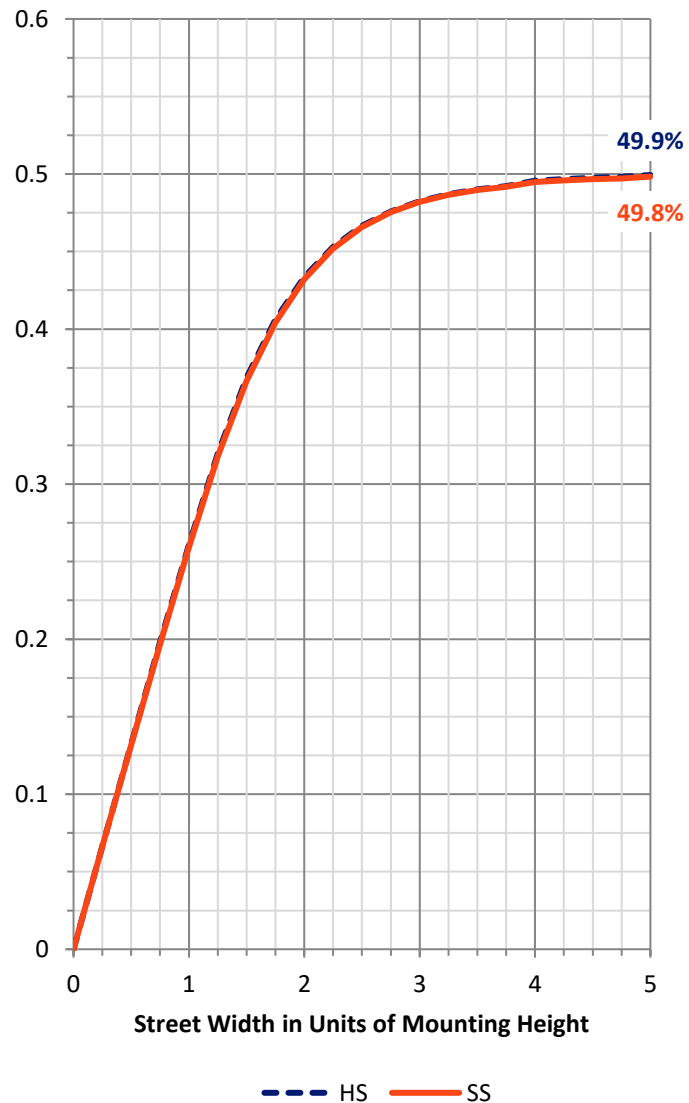
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1123.1	0.0	1123.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1123.1	0.0	1123.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	2246.1	0.0	2246.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.9	0.7
10°-20°	50.5	2.2
20°-30°	97.7	4.3
30°-40°	189.1	8.4
40°-50°	341.4	15.2
50°-60°	593.7	26.4
60°-70°	674.0	30.0
70°-80°	261.3	11.6
80°-90°	23.6	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°	2246.1	100.0
0°-180°	2246.1	100.0

Coefficient of Utilization



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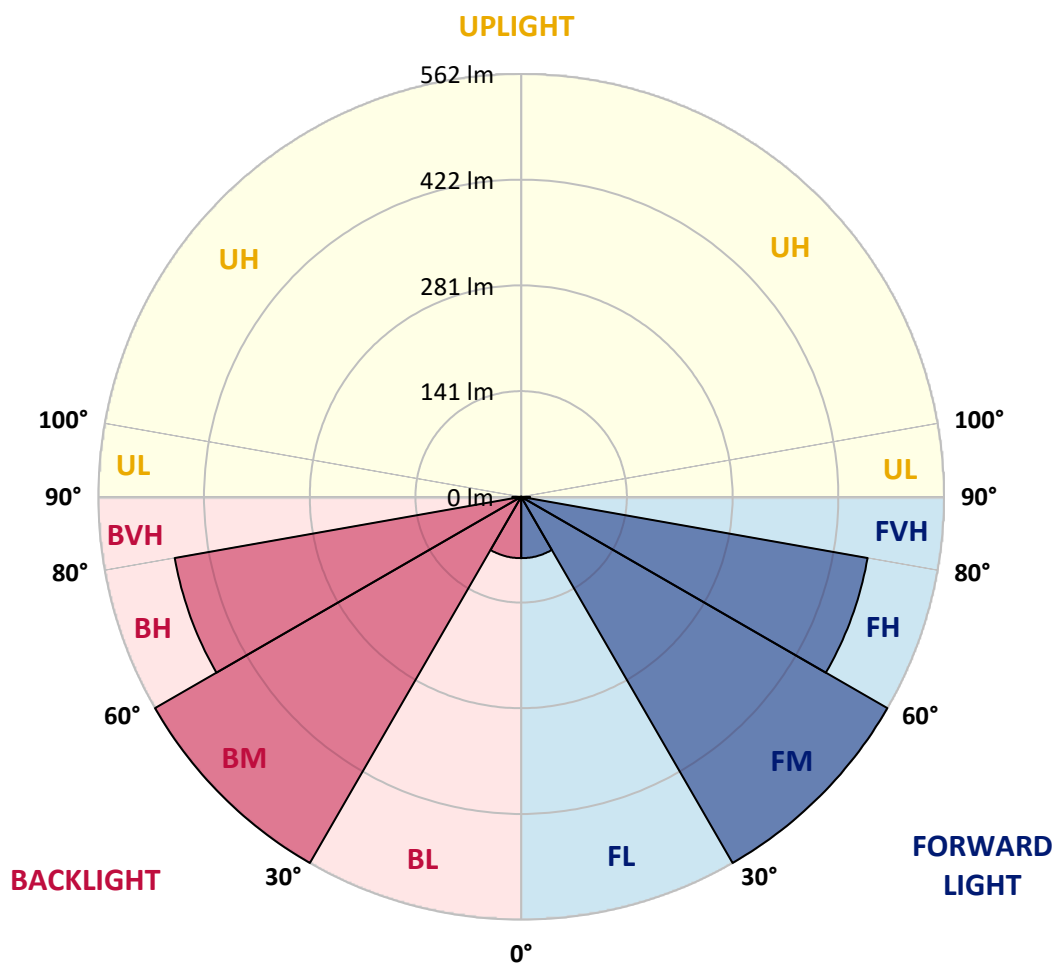
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	81.6	3.6			
FM	(30°-60°)	562.1	25.0			
FH	(60°-80°)	467.6	20.8			G0/660
FVH	(80°-90°)	11.8	0.5			G1/100
BL	(0°-30°)	81.6	3.6	B0/110		
BM	(30°-60°)	562.1	25.0	B1/1000		
BH	(60°-80°)	467.6	20.8	B1/500		G0/660
BVH	(80°-90°)	11.8	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1
2.5°	150.1	150.5	150.4	150.2	150.2	150.2	150.1	149.6	149.6	149.8	150.1
5°	153.5	153.5	153.5	153.5	153.3	153.4	153.1	152.7	153.0	152.7	152.5
7.5°	158.9	158.5	158.5	158.3	158.4	158.1	157.8	157.4	157.5	157.3	157.3
10°	165.2	165.2	164.9	165.2	164.7	164.6	164.0	163.8	163.7	163.3	163.3
12.5°	172.6	172.3	172.2	172.0	171.8	171.6	171.0	170.9	170.4	170.2	169.8
15°	179.7	179.7	179.2	178.8	178.7	178.3	177.6	177.1	177.0	176.4	176.0
17.5°	186.8	186.5	186.1	185.8	185.3	185.0	184.2	183.6	183.2	183.0	182.4
20°	194.4	194.2	193.6	193.2	192.5	192.1	191.0	190.5	190.1	189.8	189.2
22.5°	203.8	203.3	202.4	201.6	200.3	199.9	198.4	197.7	197.1	196.6	196.4
25°	214.0	214.1	212.8	211.8	210.4	209.1	207.3	206.3	205.7	205.4	205.2
27.5°	226.7	226.9	225.7	224.2	222.0	220.5	218.2	217.0	216.7	216.2	216.1
30°	247.0	245.9	243.9	241.5	239.4	236.5	233.1	231.9	230.7	230.5	230.5
32.5°	284.1	283.5	281.9	275.9	273.2	266.8	260.9	257.5	253.7	251.8	250.7
35°	310.3	309.9	308.6	306.5	304.9	303.5	300.1	299.5	298.9	298.8	299.7
37.5°	329.3	327.9	327.7	328.1	327.6	327.9	330.6	334.4	337.6	339.3	339.1
40°	357.7	355.6	356.9	356.1	354.9	354.8	355.6	357.2	358.8	358.8	358.3
42.5°	394.6	395.6	396.1	392.7	390.5	389.9	392.1	391.7	393.2	392.5	391.1
45°	449.7	449.1	448.3	444.4	440.8	438.0	438.5	437.7	437.9	437.0	435.9
47.5°	505.3	507.3	503.8	501.9	497.9	496.0	497.6	496.2	498.9	494.0	491.6
50°	559.2	560.5	559.4	556.6	556.6	559.4	561.3	563.9	567.7	562.1	553.7
52.5°	603.3	604.4	606.2	608.5	614.2	620.1	628.4	637.4	644.6	643.4	634.0
55°	630.3	631.6	634.5	642.5	652.7	668.3	687.3	708.0	724.2	732.2	725.2
57.5°	639.3	640.2	648.2	657.8	673.8	696.9	728.5	764.5	795.6	815.5	812.4
60°	637.1	637.2	645.2	658.4	680.7	711.4	756.2	805.9	853.7	883.5	879.0
62.5°	615.2	616.4	627.9	643.7	670.7	707.5	760.8	824.4	881.6	918.5	914.9
65°	567.2	567.9	580.3	599.3	629.4	672.7	731.2	801.7	867.2	902.8	896.0
67.5°	489.4	490.3	500.3	521.8	553.6	599.0	662.0	739.5	803.7	831.8	811.6
70°	389.4	391.7	398.1	420.8	445.0	489.4	547.6	625.0	685.6	712.1	689.8
72.5°	265.3	271.3	279.2	299.3	322.3	359.3	405.5	470.7	519.4	550.3	530.4
75°	149.4	157.8	160.2	175.4	194.5	223.6	257.4	304.2	353.4	378.3	354.4
77.5°	64.6	71.4	74.4	81.5	96.4	108.6	129.1	160.7	198.8	216.2	187.6
80°	31.8	33.4	34.7	36.9	41.0	45.1	54.8	68.6	84.1	88.2	70.1
82.5°	24.7	25.8	28.0	29.6	30.8	31.9	32.7	34.6	36.1	37.0	34.8
85°	17.3	18.9	21.2	23.2	24.4	25.2	26.0	26.5	25.2	23.0	24.1
87.5°	4.6	5.9	8.3	8.9	10.2	10.7	10.5	10.8	9.7	7.0	7.9
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°	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1
2.5°	149.9	149.8	149.9	149.8	149.8	149.8	149.8	149.8
5°	152.5	152.5	152.7	152.4	152.5	152.5	152.4	152.3
7.5°	157.1	157.0	157.0	156.9	157.0	156.9	156.9	156.8
10°	163.1	162.9	163.1	162.7	162.7	162.5	162.6	162.6
12.5°	169.6	169.3	169.4	169.1	168.5	168.6	168.7	168.6
15°	176.0	175.5	175.2	174.9	174.7	174.7	174.7	174.6
17.5°	182.3	181.6	181.6	181.1	181.0	181.0	181.0	181.1
20°	188.9	188.5	188.4	188.0	187.9	188.2	188.4	188.1
22.5°	196.1	195.9	196.0	195.9	196.1	196.4	196.5	196.3
25°	205.0	204.7	205.1	205.9	206.3	206.6	207.2	206.9
27.5°	216.5	216.2	217.0	218.2	218.9	220.1	220.6	220.8
30°	231.3	232.3	232.7	235.1	235.6	237.5	237.5	238.2
32.5°	252.8	254.9	258.4	262.0	266.9	270.6	270.6	272.4
35°	300.3	301.1	303.8	304.4	305.4	306.5	305.5	306.3
37.5°	336.6	333.1	330.5	326.9	324.7	324.8	324.9	324.7
40°	355.2	353.8	352.7	349.6	349.2	349.0	349.0	349.5
42.5°	388.4	385.1	383.2	380.7	379.9	379.6	379.5	379.7
45°	431.7	426.1	421.1	418.7	416.4	414.3	415.0	415.0
47.5°	481.9	473.4	465.3	460.9	457.0	455.3	454.1	453.8
50°	543.1	531.3	520.8	512.5	506.9	506.9	507.4	503.7
52.5°	618.0	599.4	586.4	575.3	570.1	569.5	567.7	565.5
55°	701.2	679.1	657.6	645.6	638.8	635.0	632.8	629.4
57.5°	786.9	757.1	726.2	707.0	694.9	686.6	682.2	680.2
60°	853.1	812.2	771.5	740.7	720.6	708.2	700.5	697.4
62.5°	879.1	823.8	771.5	731.1	702.1	684.9	674.6	670.1
65°	848.1	782.6	723.1	678.5	646.1	626.9	615.6	610.8
67.5°	761.5	703.6	639.0	594.5	561.2	542.3	530.2	526.5
70°	638.3	579.3	517.5	477.9	448.1	432.6	420.1	418.5
72.5°	479.8	428.8	375.8	343.0	319.2	293.6	287.0	290.3
75°	307.6	259.7	212.6	183.1	161.2	136.9	127.5	129.8
77.5°	145.6	112.7	81.5	63.0	52.8	45.2	43.1	42.1
80°	54.0	43.7	38.7	36.7	35.3	34.0	33.2	32.0
82.5°	34.9	34.2	33.2	32.7	31.7	30.1	27.0	25.8
85°	26.1	26.1	24.7	24.9	24.0	22.0	19.2	17.6
87.5°	7.7	6.8	6.2	5.8	5.7	5.2	3.7	3.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)