

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: P147558

Luminaire Tested: **AVS-E01-LED-E-U-5MQ-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P147558
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-E01-LED-E-U-5MQ-8030
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2720.8 lumens
Efficiency: N/A
Efficacy: 110.2 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): 24.7
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

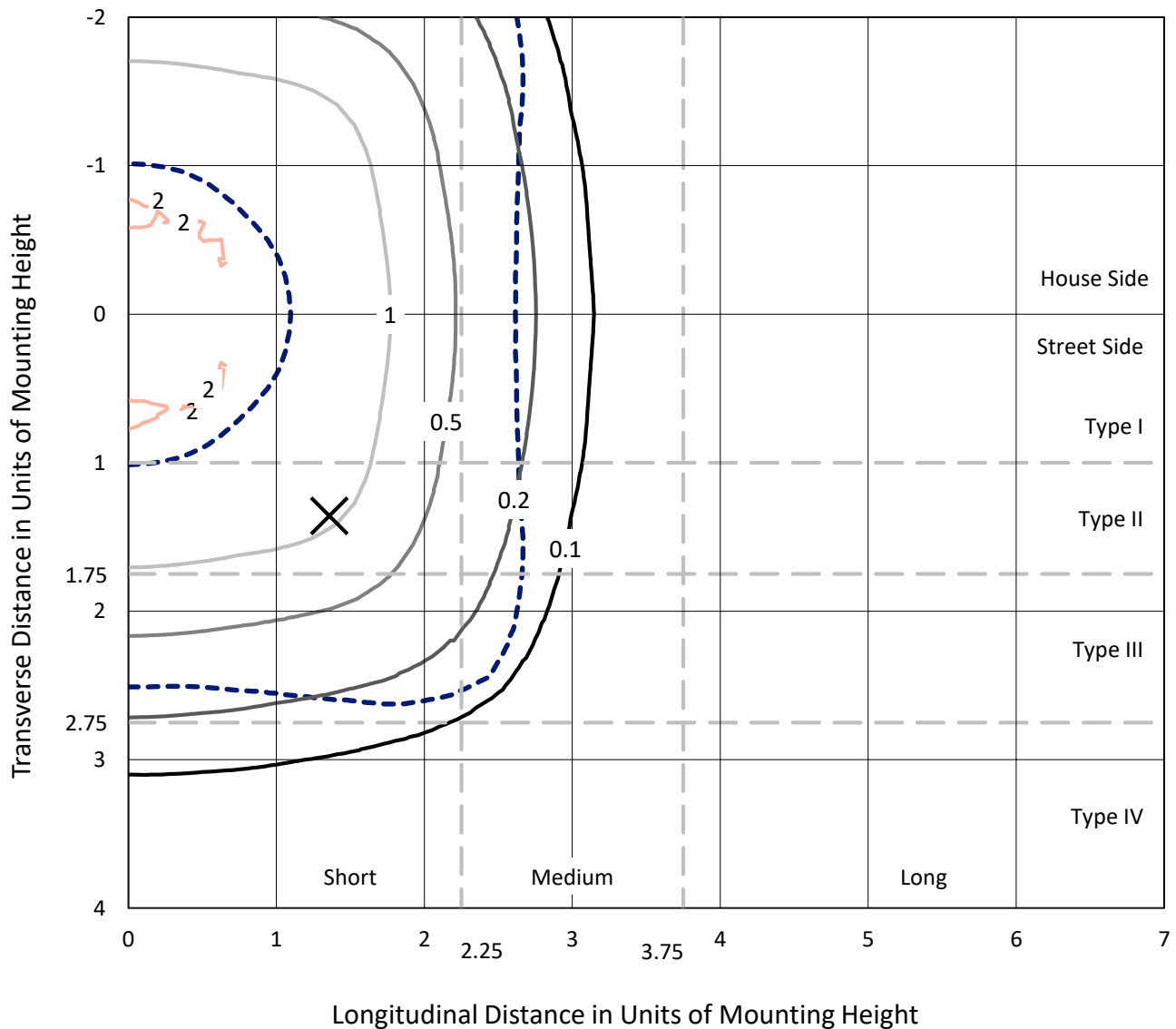


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

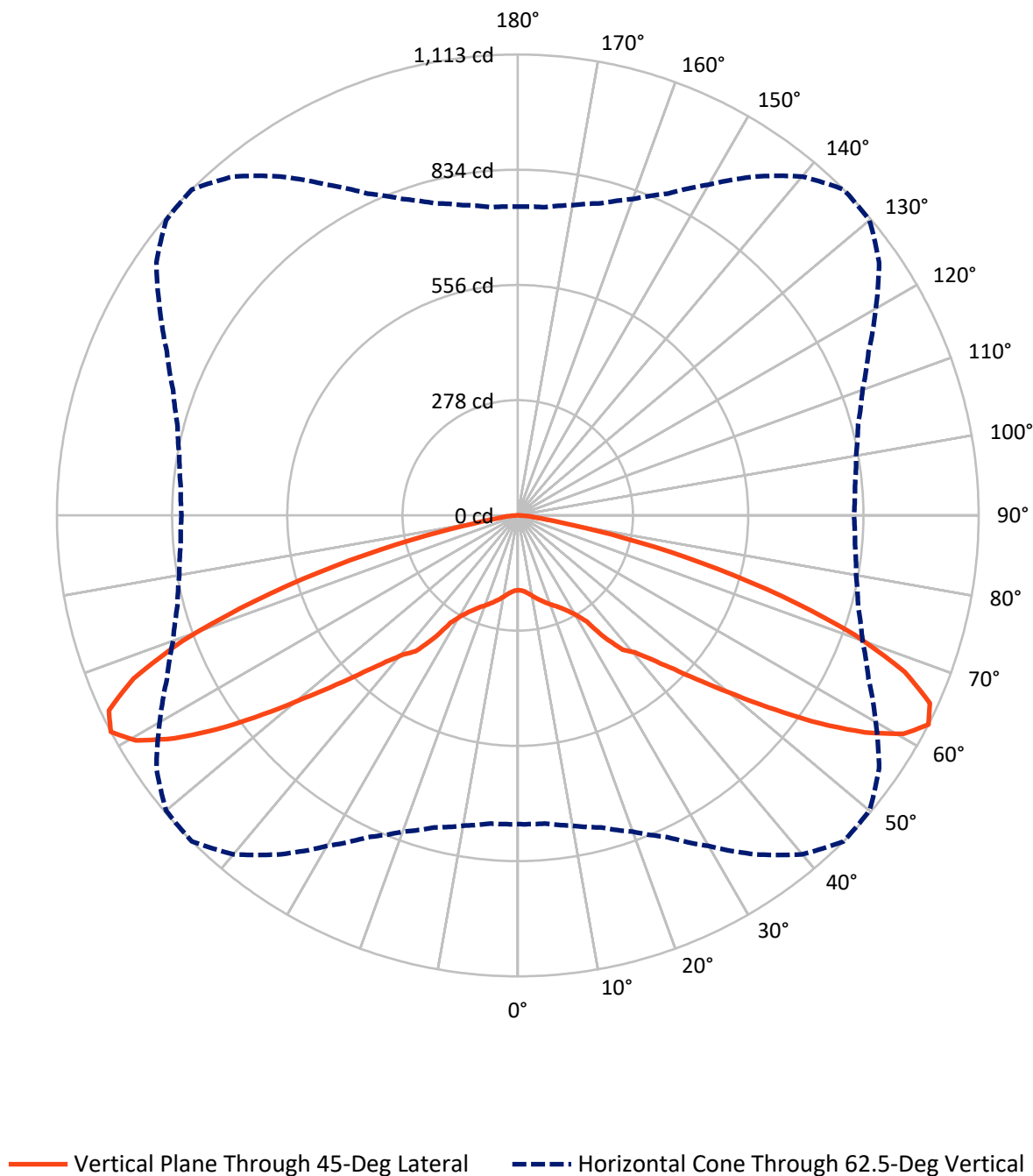


Based on 10 foot mounting height. Maximum calculated value = 2 fc
Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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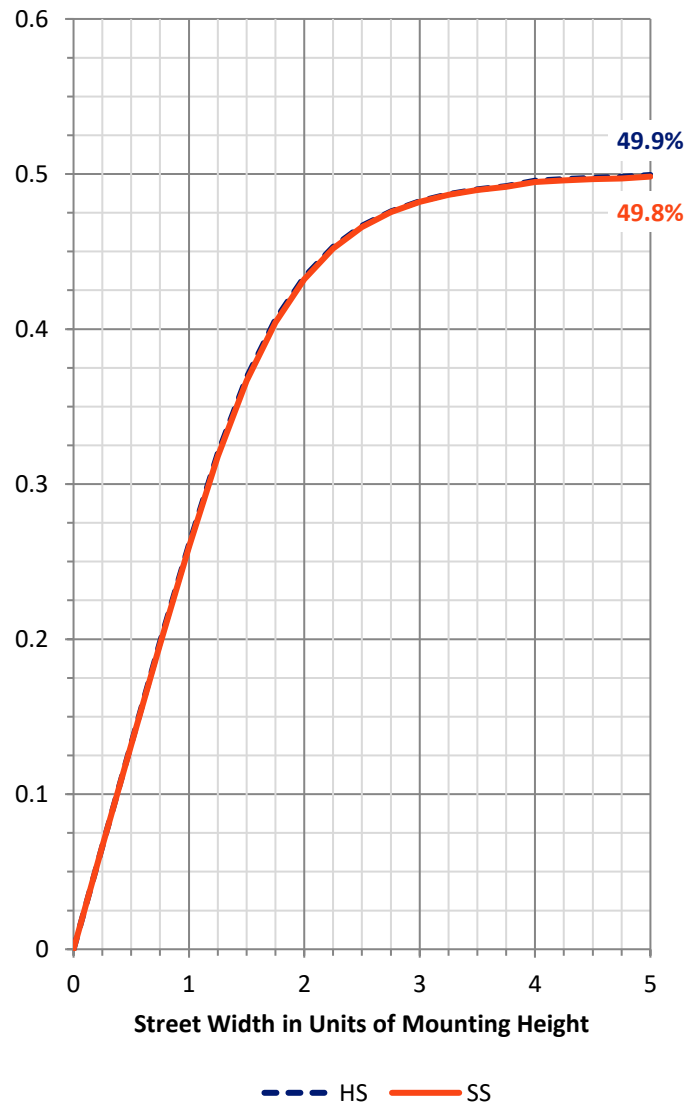
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1360.4	0.0	1360.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1360.4	0.0	1360.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	2720.8	0.0	2720.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.1	0.7
10°-20°	61.2	2.2
20°-30°	118.3	4.3
30°-40°	229.1	8.4
40°-50°	413.6	15.2
50°-60°	719.1	26.4
60°-70°	816.4	30.0
70°-80°	316.5	11.6
80°-90°	28.5	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°	2720.8	100.0
0°-180°	2720.8	100.0

Coefficient of Utilization



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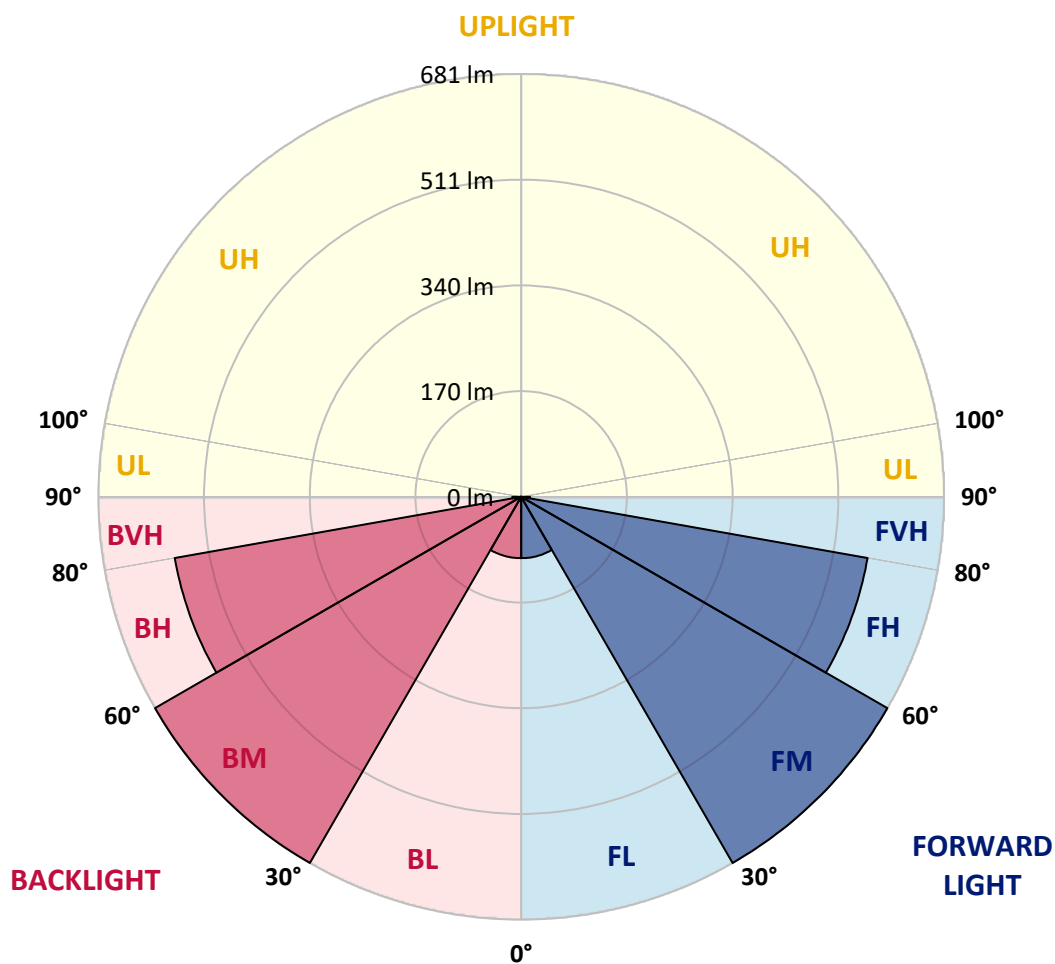
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	98.8	3.6			
FM	(30°-60°)	680.9	25.0			
FH	(60°-80°)	566.5	20.8			G0/660
FVH	(80°-90°)	14.3	0.5			G1/100
BL	(0°-30°)	98.8	3.6	B0/110		
BM	(30°-60°)	680.9	25.0	B1/1000		
BH	(60°-80°)	566.5	20.8	B2/1000		G0/660
BVH	(80°-90°)	14.3	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°	180.6	180.6	180.6	180.6	180.6	180.6	180.6	180.6	180.6	180.6	180.6
2.5°	181.8	182.4	182.2	181.9	181.9	181.9	181.8	181.3	181.1	181.5	181.8
5°	185.9	185.9	185.9	185.9	185.7	185.7	185.4	185.1	185.3	185.0	184.9
7.5°	192.4	192.0	192.0	191.8	191.9	191.6	191.1	190.6	190.7	190.7	190.5
10°	200.0	200.1	199.8	200.2	199.4	199.4	198.9	198.5	198.3	197.9	197.9
12.5°	209.1	208.7	208.8	208.5	208.2	207.9	207.0	206.9	206.3	206.0	205.6
15°	217.8	217.6	217.0	216.5	216.4	216.1	215.1	214.5	214.3	213.7	213.1
17.5°	226.3	226.1	225.3	225.1	224.5	224.0	223.2	222.4	222.0	221.7	220.9
20°	235.4	235.2	234.5	234.0	233.2	232.6	231.4	230.7	230.3	229.8	229.2
22.5°	246.8	246.3	245.2	244.1	242.7	242.1	240.4	239.4	238.8	238.1	237.9
25°	259.3	259.4	257.8	256.6	254.7	253.2	251.1	249.9	249.3	248.7	248.5
27.5°	274.7	274.8	273.4	271.7	268.8	267.2	264.2	262.9	262.4	262.0	261.8
30°	299.2	297.9	295.5	292.6	290.1	286.4	282.3	280.9	279.6	279.1	279.1
32.5°	344.2	343.5	341.6	334.2	330.8	323.3	316.1	312.0	307.4	305.1	303.7
35°	375.8	375.4	373.9	371.4	369.2	367.7	363.5	362.8	361.9	362.0	363.1
37.5°	399.0	397.2	396.9	397.4	396.9	397.1	400.4	405.1	409.1	411.0	410.8
40°	433.3	430.9	432.3	431.3	430.1	429.6	430.9	432.7	434.5	434.5	434.1
42.5°	478.1	479.2	479.8	475.8	473.1	472.3	475.0	474.4	476.3	475.6	473.8
45°	544.9	544.0	543.1	538.2	533.9	530.6	531.3	530.4	530.5	529.3	527.9
47.5°	612.0	614.4	610.4	608.0	603.1	600.8	602.7	601.0	604.4	598.3	595.6
50°	677.3	679.0	677.6	674.2	674.2	677.6	680.0	683.1	687.6	680.8	670.7
52.5°	730.8	732.2	734.3	737.1	744.0	751.1	761.2	772.1	780.7	779.5	767.9
55°	763.4	765.1	768.6	778.3	790.7	809.5	832.4	857.6	877.3	886.8	878.4
57.5°	774.3	775.5	785.2	796.8	816.2	844.1	882.5	926.0	963.8	988.0	984.0
60°	771.8	771.8	781.6	797.6	824.7	861.8	916.1	976.2	1034.2	1070.2	1064.9
62.5°	745.3	746.7	760.6	779.9	812.5	857.0	921.7	998.5	1068.0	1112.6	1108.3
65°	687.0	688.0	703.0	726.0	762.5	815.0	885.8	971.0	1050.5	1093.5	1085.4
67.5°	593.0	593.9	606.2	632.0	670.6	725.6	801.9	895.8	973.5	1007.6	983.1
70°	471.7	474.4	482.3	509.7	539.1	593.0	663.2	757.1	830.5	862.7	835.6
72.5°	321.5	328.5	338.1	362.5	390.5	435.2	491.2	570.3	629.2	666.5	642.4
75°	181.0	191.2	194.1	212.5	235.6	270.9	311.9	368.5	428.0	458.2	429.2
77.5°	78.1	86.5	90.2	98.7	116.7	131.5	156.5	194.7	240.6	262.0	227.2
80°	38.5	40.5	42.1	44.8	49.7	54.6	66.3	83.1	102.0	106.7	85.0
82.5°	29.8	31.3	33.9	36.1	37.3	38.5	39.7	41.9	43.7	44.8	42.3
85°	20.9	22.8	25.7	28.1	29.5	30.5	31.5	32.2	30.5	27.9	29.2
87.5°	5.4	7.2	9.9	10.8	12.2	13.0	12.6	13.1	11.8	8.5	9.5
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°	180.6	180.6	180.6	180.6	180.6	180.6	180.6	180.6
2.5°	181.6	181.5	181.6	181.6	181.6	181.5	181.5	181.5
5°	184.9	184.9	185.0	184.7	184.7	184.9	184.7	184.6
7.5°	190.3	190.3	190.2	190.1	190.2	190.1	190.1	189.9
10°	197.6	197.3	197.5	197.1	197.1	196.9	196.9	196.9
12.5°	205.5	205.1	205.2	204.8	204.1	204.2	204.4	204.2
15°	213.1	212.6	212.2	212.0	211.6	211.7	211.7	211.6
17.5°	220.8	220.0	219.9	219.5	219.3	219.3	219.3	219.5
20°	228.8	228.3	228.2	227.8	227.6	228.0	228.2	227.9
22.5°	237.5	237.1	237.5	237.1	237.5	237.8	238.0	237.7
25°	248.3	248.0	248.5	249.3	249.9	250.3	251.0	250.7
27.5°	262.2	262.0	262.9	264.2	265.2	266.5	267.3	267.6
30°	280.2	281.5	282.1	284.8	285.4	287.7	287.7	288.6
32.5°	306.3	308.8	313.0	317.3	323.3	327.7	327.8	330.1
35°	363.7	364.8	368.0	368.7	369.9	371.4	369.9	371.1
37.5°	407.8	403.4	400.3	396.1	393.3	393.3	393.6	393.3
40°	430.3	428.6	427.2	423.5	423.0	422.8	422.8	423.4
42.5°	470.5	466.5	464.2	461.1	460.1	459.9	459.7	460.0
45°	522.9	516.3	510.3	507.0	504.5	501.9	502.7	502.7
47.5°	583.8	573.5	563.6	558.3	553.7	551.5	550.2	549.7
50°	657.9	643.5	630.9	620.9	614.2	614.1	614.7	610.2
52.5°	748.8	726.1	710.4	696.8	690.5	689.8	687.6	685.1
55°	849.5	822.6	796.6	782.2	773.8	769.3	766.6	762.4
57.5°	953.4	917.1	879.8	856.6	841.9	831.7	826.4	824.0
60°	1033.4	983.9	934.6	897.3	873.0	857.9	848.6	844.9
62.5°	1064.9	997.9	934.5	885.6	850.5	829.6	817.1	811.6
65°	1027.4	948.0	875.9	822.0	782.6	759.5	745.8	739.9
67.5°	922.3	852.2	773.9	720.2	679.8	657.0	642.2	637.8
70°	773.3	701.7	626.8	578.9	542.8	524.1	508.8	506.9
72.5°	581.1	519.4	455.1	415.5	386.5	355.6	347.7	351.7
75°	372.4	314.6	257.6	221.9	195.3	165.8	154.4	157.3
77.5°	176.4	136.6	98.7	76.3	64.0	54.7	52.3	50.9
80°	65.5	53.1	46.8	44.5	42.7	41.2	40.1	38.9
82.5°	42.3	41.3	40.0	39.7	38.3	36.5	32.7	31.2
85°	31.7	31.7	29.9	30.1	29.1	26.5	23.2	21.3
87.5°	9.3	8.3	7.6	7.0	6.8	6.1	4.5	3.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)