

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: INVUE

Report Number: P147165

Luminaire Tested: **VXS-F01-LED-E1-5MQ**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P147165
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33674)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-F01-LED-E1-5MQ
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (7) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2661.3 lumens
Efficiency: N/A
Efficacy: 102.8 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: 25 FT



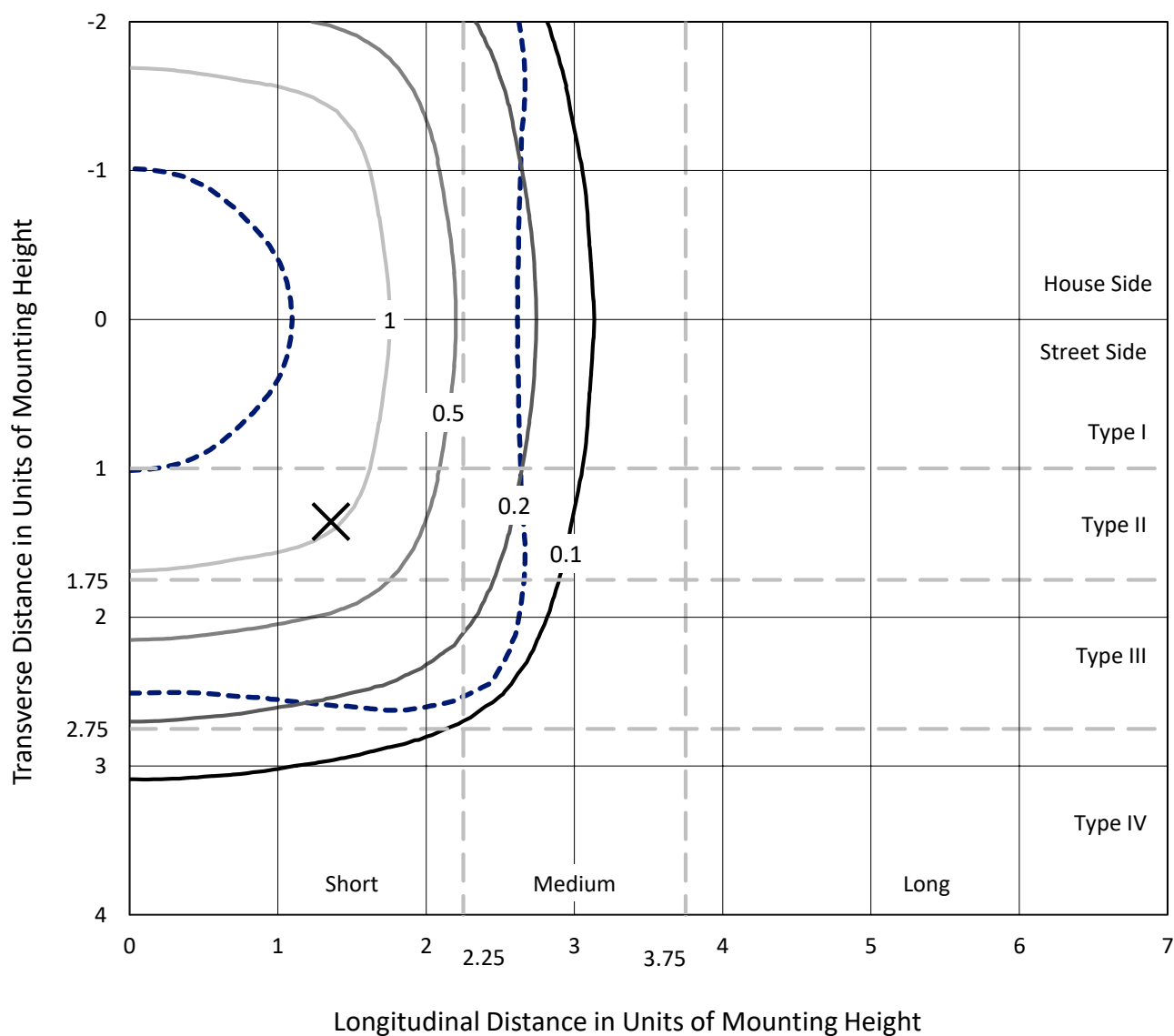
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

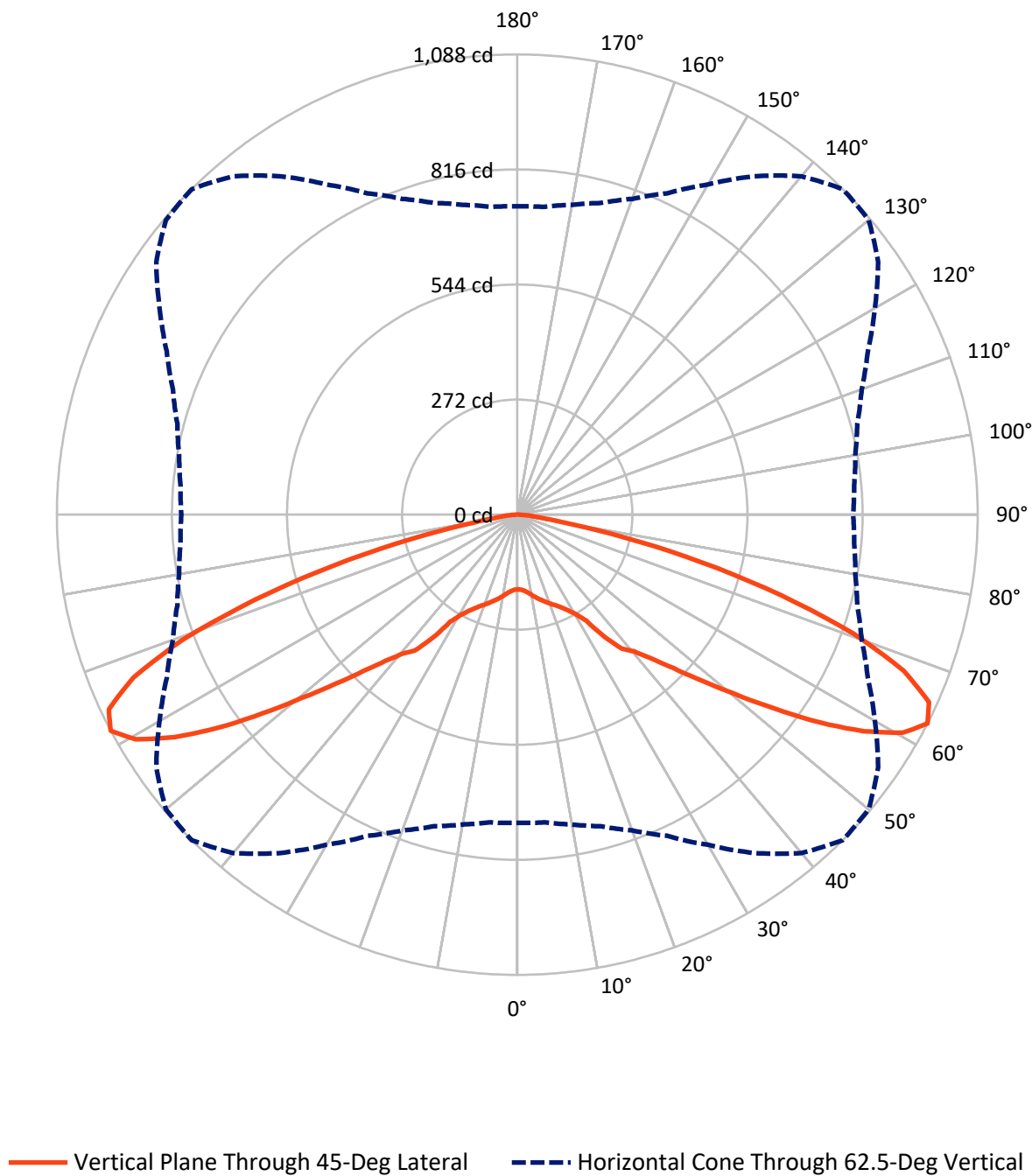


Based on 10 foot mounting height. Maximum calculated value = 2 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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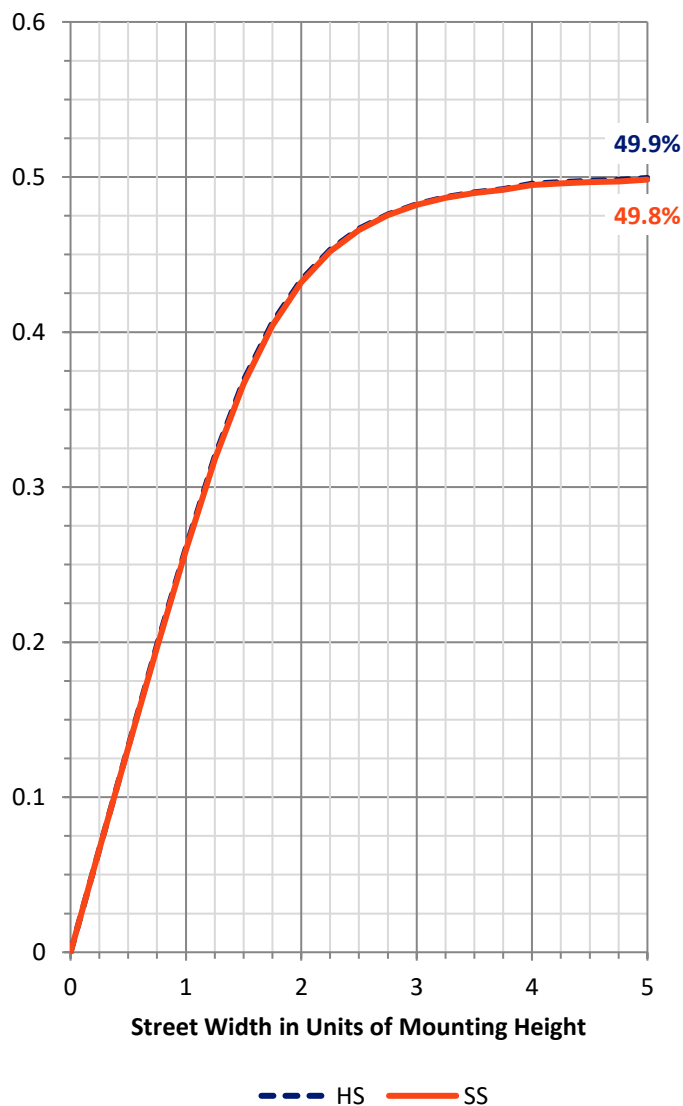
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1330.7	0.0	1330.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1330.7	0.0	1330.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	2661.3	0.0	2661.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.7	0.7
10°-20°	59.8	2.2
20°-30°	115.7	4.3
30°-40°	224.0	8.4
40°-50°	404.5	15.2
50°-60°	703.4	26.4
60°-70°	798.6	30.0
70°-80°	309.6	11.6
80°-90°	27.9	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°	2661.3	100.0
0°-180°	2661.3	100.0

Coefficient of Utilization



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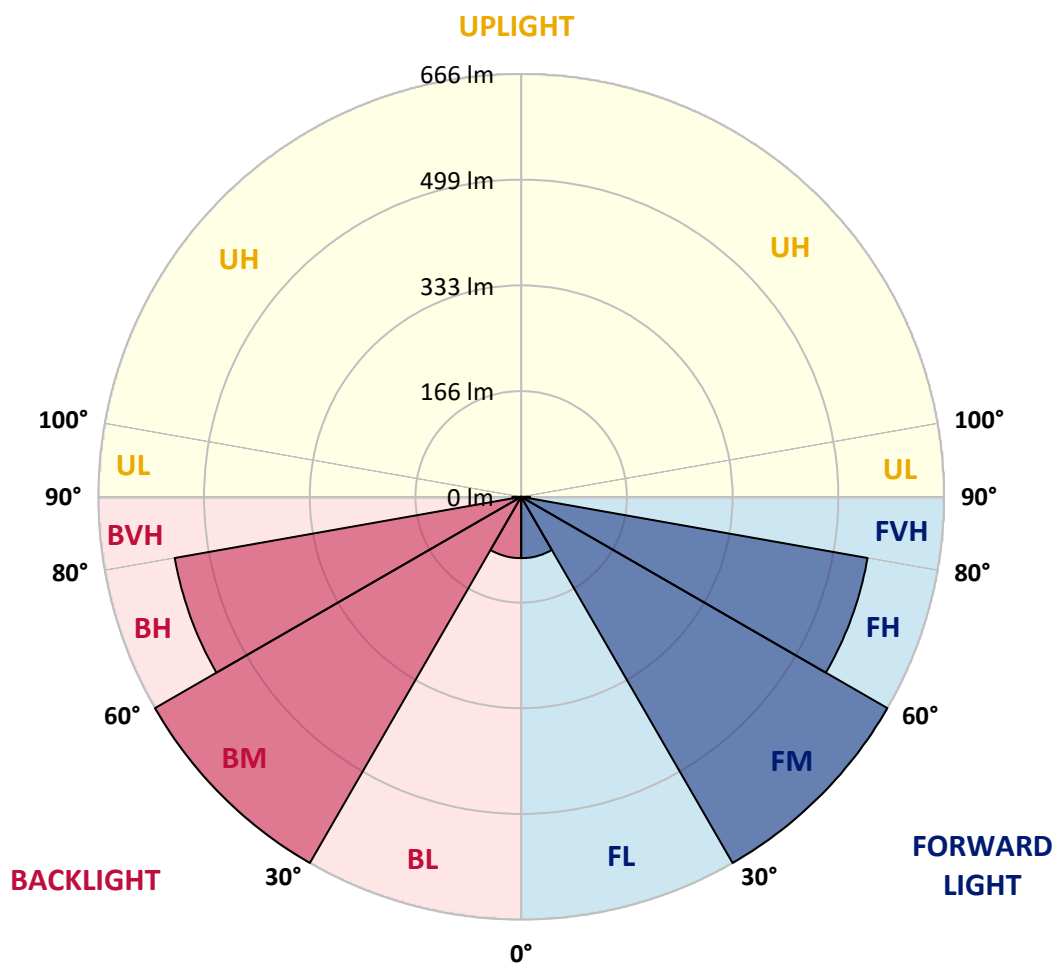
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	96.6	3.6			
FM	(30°-60°)	666.0	25.0			
FH	(60°-80°)	554.1	20.8			G0/660
FVH	(80°-90°)	14.0	0.5			G1/100
BL	(0°-30°)	96.6	3.6	B0/110		
BM	(30°-60°)	666.0	25.0	B1/1000		
BH	(60°-80°)	554.1	20.8	B2/1000		G0/660
BVH	(80°-90°)	14.0	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°	176.7	176.7	176.7	176.7	176.7	176.7	176.7	176.7	176.7	176.7	176.7
2.5°	177.8	178.3	178.2	177.9	177.9	177.9	177.8	177.4	177.2	177.5	177.8
5°	181.9	181.9	181.9	181.9	181.6	181.7	181.3	181.1	181.1	180.9	180.8
7.5°	188.2	187.8	187.8	187.7	187.7	187.4	186.9	186.5	186.5	186.4	186.3
10°	195.6	195.8	195.4	195.9	195.0	194.9	194.4	194.2	194.0	193.6	193.6
12.5°	204.6	204.1	204.1	203.9	203.6	203.3	202.5	202.4	201.9	201.7	201.1
15°	213.1	212.8	212.3	211.8	211.6	211.4	210.4	209.8	209.7	209.0	208.5
17.5°	221.3	221.1	220.4	220.1	219.7	219.2	218.3	217.6	217.1	216.8	216.2
20°	230.3	230.1	229.4	228.8	228.2	227.6	226.3	225.7	225.3	224.9	224.2
22.5°	241.5	240.8	239.8	238.9	237.3	236.8	235.1	234.2	233.6	233.0	232.6
25°	253.6	253.7	252.2	251.0	249.1	247.7	245.6	244.5	243.8	243.3	243.1
27.5°	268.7	268.8	267.5	265.7	262.9	261.2	258.4	257.2	256.8	256.2	256.0
30°	292.6	291.4	289.1	286.2	283.7	280.1	276.1	274.7	273.4	273.0	273.0
32.5°	336.7	336.0	334.1	326.9	323.6	316.2	309.1	305.1	300.6	298.4	297.0
35°	367.5	367.3	365.8	363.2	361.1	359.6	355.5	354.8	354.0	354.0	355.1
37.5°	390.3	388.6	388.3	388.6	388.2	388.4	391.7	396.3	400.1	402.1	401.8
40°	423.8	421.5	422.8	421.8	420.6	420.3	421.5	423.2	425.0	425.0	424.6
42.5°	467.7	468.8	469.3	465.3	462.7	462.0	464.7	464.0	465.9	465.2	463.4
45°	532.8	532.2	531.2	526.4	522.3	519.0	519.7	518.8	518.8	517.7	516.3
47.5°	598.7	601.0	597.0	594.6	590.1	587.7	589.6	587.9	591.1	585.3	582.6
50°	662.5	664.0	662.8	659.4	659.5	662.8	665.1	668.2	672.5	665.9	656.0
52.5°	714.8	716.2	718.2	720.9	727.7	734.7	744.7	755.2	763.6	762.4	751.1
55°	746.7	748.4	751.7	761.3	773.4	791.8	814.3	838.9	858.1	867.6	859.3
57.5°	757.4	758.7	768.0	779.5	798.3	825.7	863.2	905.7	942.8	966.2	962.6
60°	754.9	754.9	764.5	780.1	806.5	842.9	896.0	954.8	1011.6	1046.7	1041.6
62.5°	728.9	730.4	743.9	762.8	794.6	838.1	901.5	976.8	1044.6	1088.3	1084.0
65°	672.0	673.0	687.7	710.1	745.7	797.2	866.3	949.7	1027.6	1069.6	1061.6
67.5°	580.0	580.9	592.8	618.2	656.0	709.6	784.5	876.2	952.2	985.5	961.7
70°	461.3	464.0	471.8	498.7	527.3	579.9	648.7	740.5	812.3	843.8	817.4
72.5°	314.4	321.5	330.8	354.6	382.0	425.7	480.4	557.7	615.3	651.8	628.4
75°	177.1	186.9	189.8	207.9	230.5	265.1	305.0	360.4	418.7	448.3	419.9
77.5°	76.5	84.6	88.2	96.6	114.2	128.7	153.0	190.5	235.4	256.2	222.2
80°	37.7	39.6	41.1	43.7	48.7	53.5	64.9	81.2	99.7	104.5	83.1
82.5°	29.2	30.5	33.2	35.2	36.5	37.7	38.8	41.0	42.7	43.7	41.2
85°	20.5	22.4	25.2	27.6	28.9	29.8	30.9	31.5	29.8	27.3	28.6
87.5°	5.4	7.0	9.7	10.6	12.0	12.6	12.4	12.8	11.6	8.4	9.3
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°	176.7	176.7	176.7	176.7	176.7	176.7	176.7	176.7
2.5°	177.6	177.5	177.6	177.6	177.6	177.4	177.4	177.5
5°	180.7	180.8	180.9	180.6	180.6	180.8	180.7	180.5
7.5°	186.1	186.0	186.0	185.9	186.0	185.9	185.9	185.7
10°	193.4	193.0	193.2	192.7	192.7	192.5	192.5	192.6
12.5°	201.0	200.6	200.8	200.4	199.6	199.8	199.9	199.8
15°	208.4	208.1	207.7	207.4	206.9	207.0	207.0	206.9
17.5°	216.1	215.2	215.0	214.6	214.5	214.5	214.5	214.6
20°	223.8	223.3	223.2	222.8	222.6	223.0	223.2	222.9
22.5°	232.2	231.9	232.2	231.9	232.3	232.7	232.7	232.5
25°	242.8	242.6	243.0	243.9	244.6	244.8	245.4	245.2
27.5°	256.5	256.2	257.2	258.4	259.4	260.7	261.5	261.7
30°	274.1	275.2	275.9	278.5	279.2	281.3	281.5	282.3
32.5°	299.7	302.1	306.1	310.4	316.3	320.6	320.6	322.8
35°	355.9	356.7	359.9	360.6	361.9	363.2	361.9	363.0
37.5°	398.9	394.6	391.5	387.4	384.7	384.7	385.0	384.7
40°	420.9	419.3	417.8	414.3	413.7	413.6	413.7	414.1
42.5°	460.3	456.3	454.1	451.0	449.9	449.7	449.6	449.9
45°	511.4	504.9	499.1	496.0	493.4	490.9	491.8	491.7
47.5°	571.0	560.9	551.3	546.1	541.6	539.5	538.0	537.7
50°	643.5	629.4	617.1	607.3	600.7	600.6	601.2	596.9
52.5°	732.4	710.3	694.8	681.7	675.4	674.7	672.5	670.1
55°	830.9	804.6	779.2	765.0	756.9	752.4	749.8	745.7
57.5°	932.4	897.0	860.5	837.7	823.5	813.6	808.3	806.0
60°	1010.8	962.4	914.2	877.7	853.9	839.2	830.1	826.3
62.5°	1041.5	976.1	914.2	866.3	831.9	811.5	799.2	793.9
65°	1004.8	927.3	856.8	803.9	765.6	742.8	729.5	723.7
67.5°	902.2	833.6	757.0	704.5	665.0	642.5	628.1	623.8
70°	756.3	686.2	613.2	566.1	531.0	512.6	497.6	495.9
72.5°	568.4	508.0	445.2	406.4	378.0	347.8	340.1	343.9
75°	364.4	307.8	251.9	217.0	191.1	162.3	151.1	153.8
77.5°	172.5	133.6	96.5	74.6	62.6	53.5	51.2	49.8
80°	64.0	51.8	45.8	43.5	41.9	40.3	39.2	37.9
82.5°	41.5	40.4	39.2	38.8	37.5	35.6	32.0	30.6
85°	31.0	31.0	29.3	29.4	28.5	26.0	22.7	20.9
87.5°	9.1	8.1	7.5	6.8	6.7	6.1	4.4	3.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)