

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: P180122

Luminaire Tested: **ICS-F01-LED-E1-5WQ-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180122
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33675)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-F01-LED-E1-5WQ-7030
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2160.6 lumens
Efficiency: N/A
Efficacy: 83.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
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: 25 FT

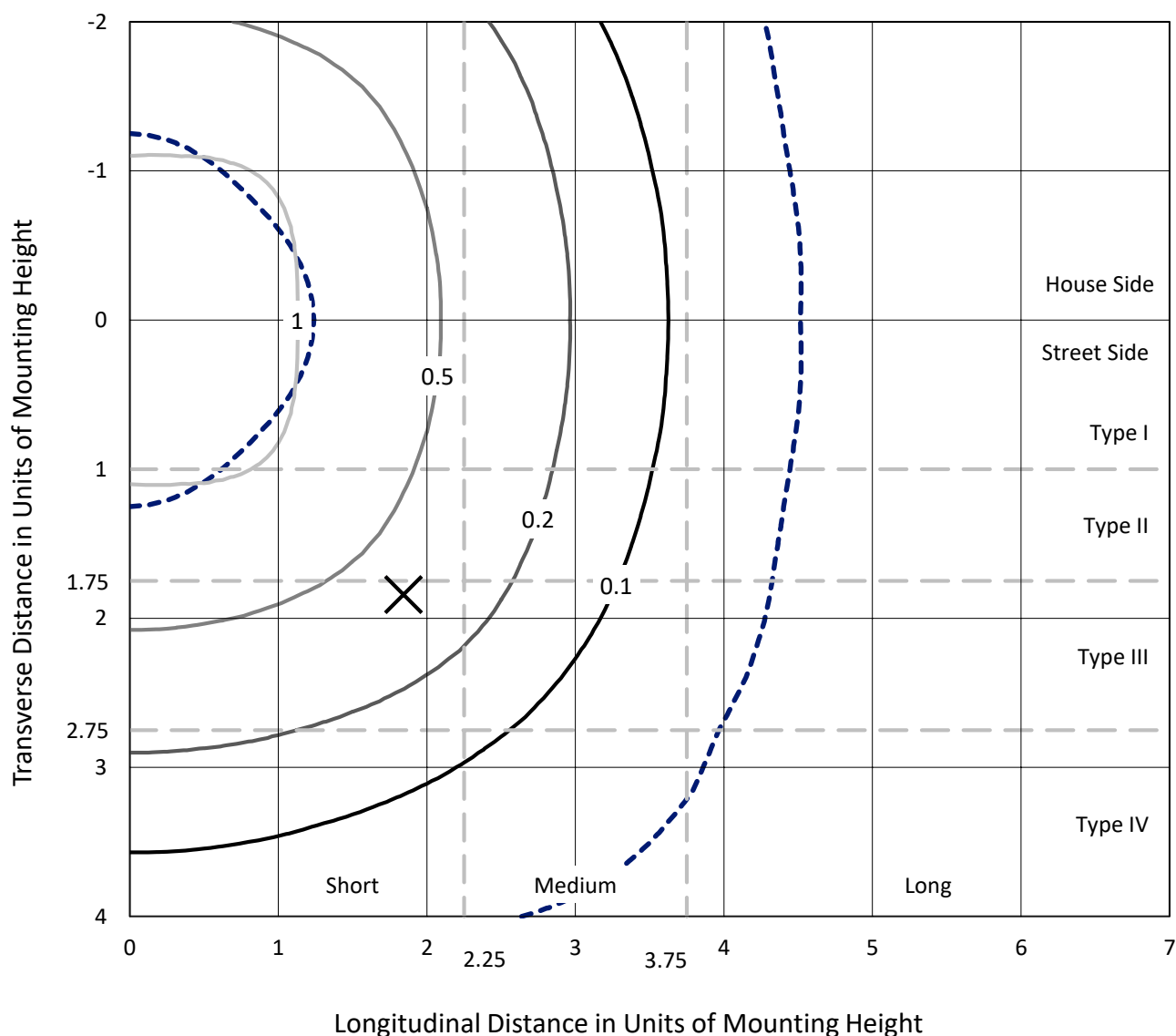


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

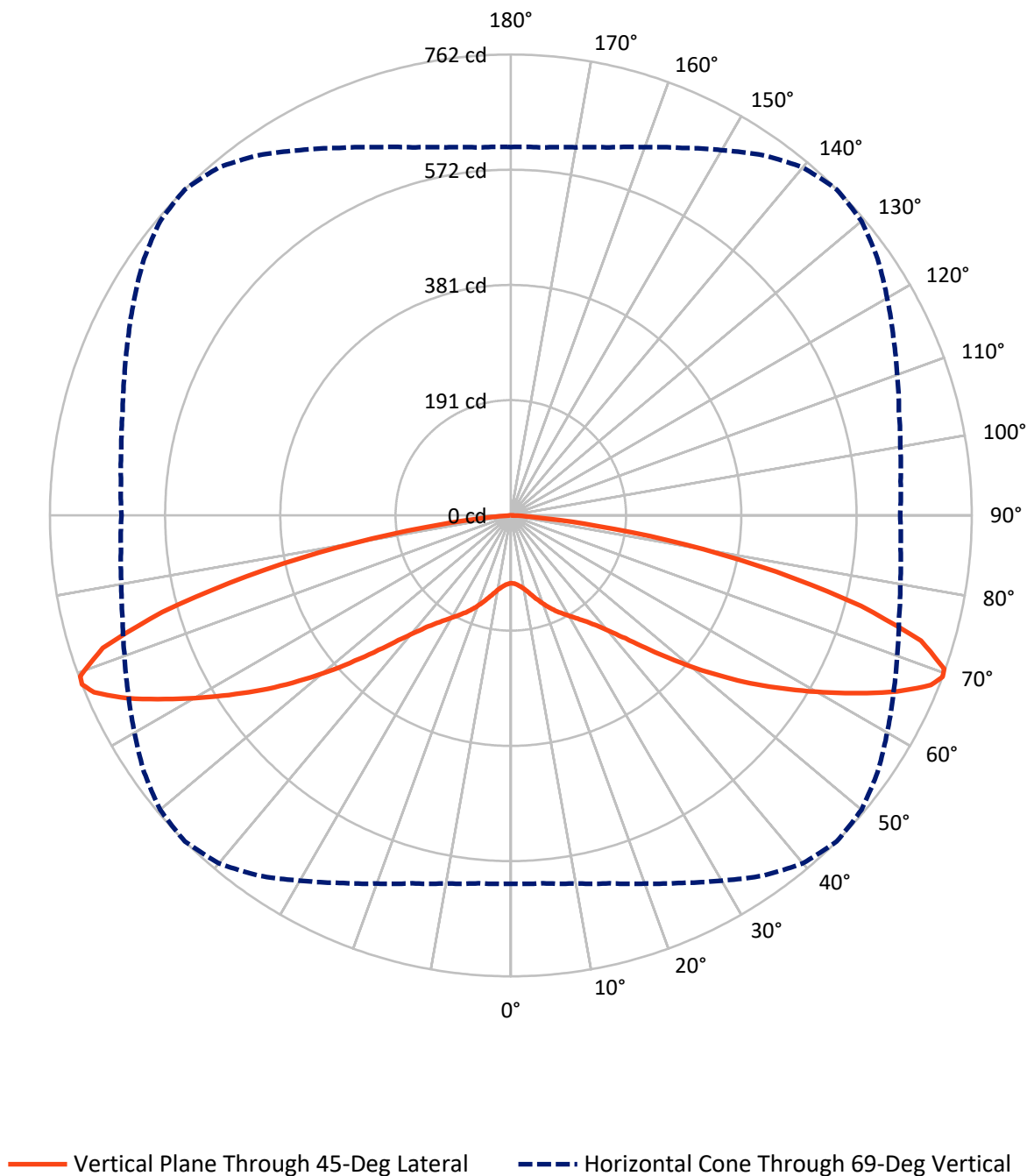


Based on 10 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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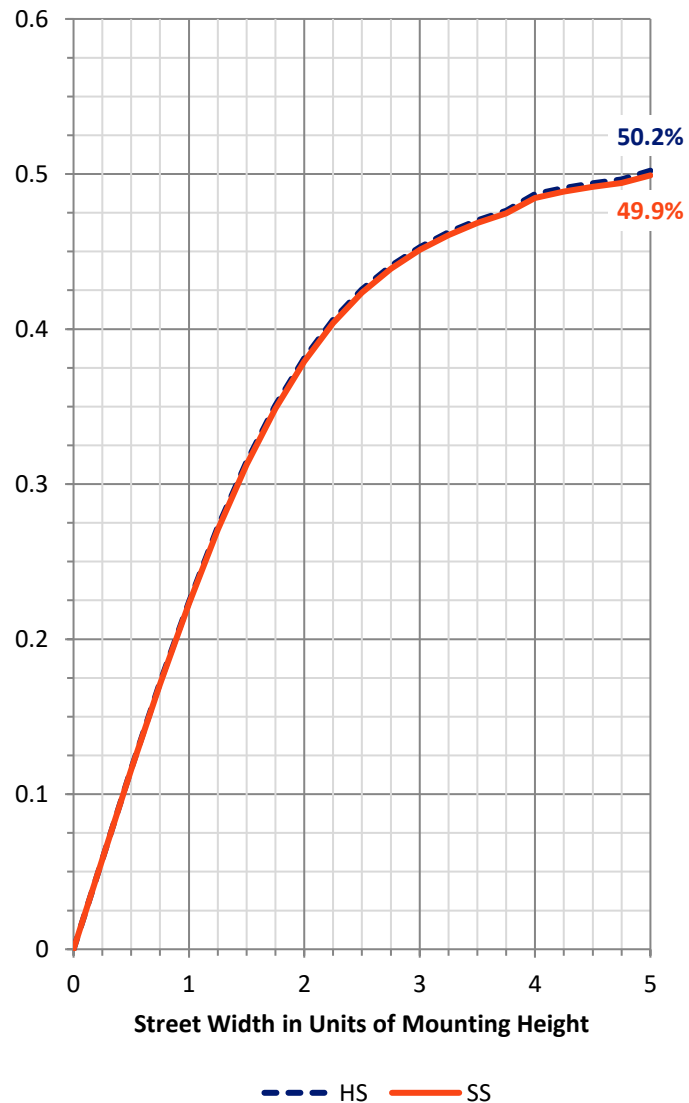
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1080.3	0.0	1080.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1080.3	0.0	1080.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	2160.6	0.0	2160.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.3	0.5
10°-20°	39.8	1.8
20°-30°	80.6	3.7
30°-40°	135.1	6.3
40°-50°	238.2	11.0
50°-60°	420.1	19.4
60°-70°	641.4	29.7
70°-80°	536.0	24.8
80°-90°	58.2	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°	2160.6	100.0
0°-180°	2160.6	100.0

Coefficient of Utilization



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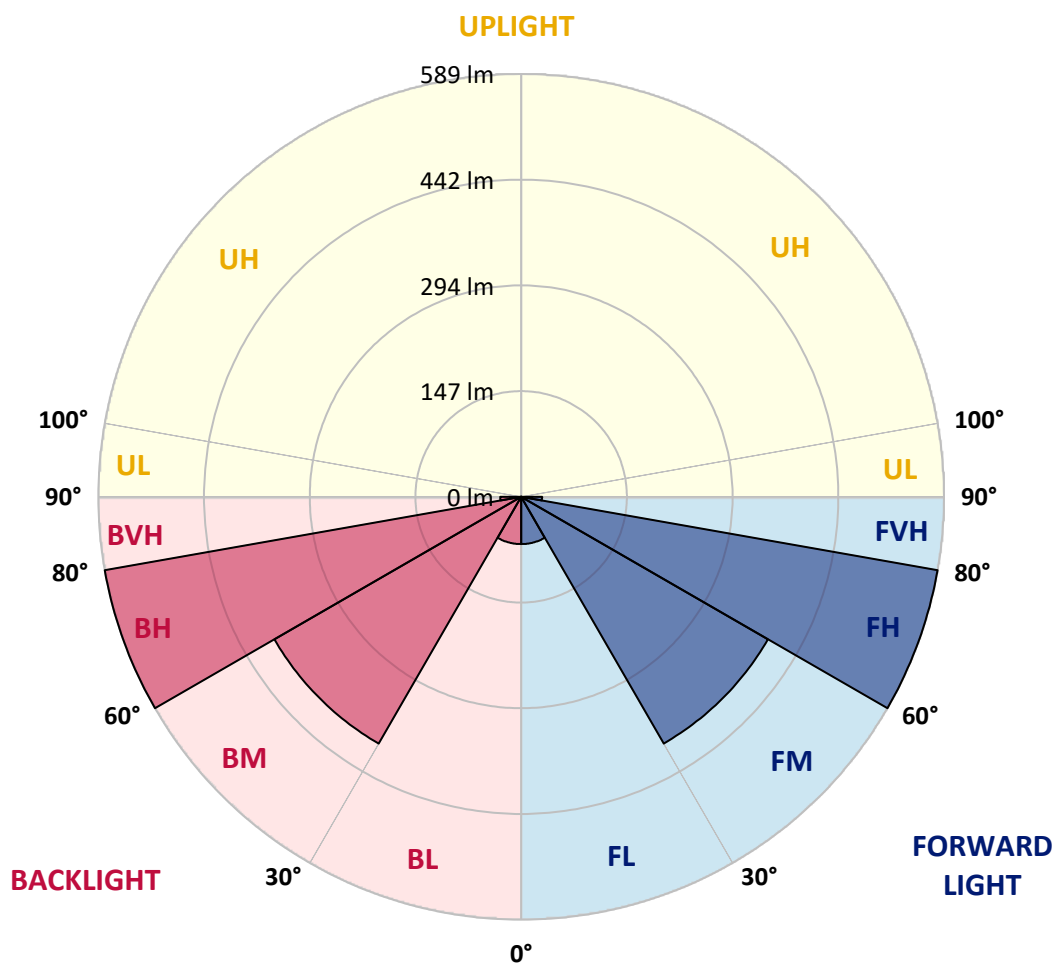
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	65.8	3.0			
FM	(30°-60°)	396.7	18.4			
FH	(60°-80°)	588.7	27.2			G0/660
FVH	(80°-90°)	29.1	1.3			G1/100
BL	(0°-30°)	65.8	3.0	B0/110		
BM	(30°-60°)	396.7	18.4	B1/1000		
BH	(60°-80°)	588.7	27.2	B2/1000		G0/660
BVH	(80°-90°)	29.1	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°	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2
2.5°	113.1	113.3	113.1	113.1	113.1	113.1	113.1	112.9	112.9	112.9	113.1
5°	115.4	115.6	115.4	115.6	115.6	115.6	115.6	115.4	115.4	115.4	115.4
7.5°	119.0	119.0	119.0	119.2	119.0	119.0	119.2	119.0	119.0	119.0	119.0
10°	124.2	124.0	124.0	124.0	124.0	124.0	124.2	124.2	124.2	124.0	124.0
12.5°	130.5	130.3	130.5	130.5	130.7	130.7	130.7	130.7	130.7	130.7	130.5
15°	138.2	138.2	138.2	138.4	138.9	138.9	138.7	138.9	138.9	138.9	138.9
17.5°	146.8	147.3	146.8	147.0	147.3	147.0	147.5	147.7	147.9	147.7	147.0
20°	155.6	155.9	155.9	155.9	155.9	156.3	156.5	156.5	157.2	157.0	156.8
22.5°	164.0	164.5	164.5	164.7	164.7	165.4	165.4	165.4	165.8	166.3	165.8
25°	172.8	172.6	172.6	173.1	173.3	174.2	174.2	174.6	175.3	175.5	175.1
27.5°	180.7	180.5	180.5	181.2	181.4	182.6	182.6	183.5	183.9	184.1	183.7
30°	189.1	189.1	188.9	189.6	190.2	191.1	191.6	192.5	193.2	193.4	193.0
32.5°	199.1	198.6	198.8	199.3	199.7	200.6	201.3	202.5	203.4	203.6	203.1
35°	210.4	209.7	209.9	210.4	211.1	212.4	213.5	214.2	215.6	216.0	215.1
37.5°	222.8	223.0	222.8	223.9	225.1	226.7	228.0	228.9	230.3	231.0	230.3
40°	240.5	239.8	240.5	241.6	243.4	245.4	248.2	248.8	250.2	251.5	250.0
42.5°	263.3	262.9	264.4	265.3	267.4	269.6	273.0	274.8	276.9	277.8	276.4
45°	293.2	293.2	295.0	295.2	298.4	301.3	306.1	308.3	312.2	312.2	312.2
47.5°	326.2	327.6	328.7	330.9	333.2	338.6	343.4	348.4	352.0	352.4	351.8
50°	360.4	361.7	365.1	368.3	373.2	380.0	385.2	391.8	395.0	397.7	396.8
52.5°	398.1	398.4	402.4	406.5	413.7	421.2	429.6	436.4	442.0	444.5	442.5
55°	439.5	440.0	443.6	447.9	456.0	464.6	475.0	482.1	489.3	493.8	490.4
57.5°	484.3	484.5	488.2	493.4	503.1	511.7	521.6	531.6	538.4	542.5	540.2
60°	533.9	535.0	537.7	544.3	553.5	562.6	572.5	581.4	589.3	593.6	591.3
62.5°	586.8	587.9	591.8	597.0	605.1	615.1	624.6	635.9	642.4	647.2	643.8
65°	622.3	624.3	630.4	637.5	649.4	662.3	673.4	688.8	696.7	702.4	699.2
67.5°	624.6	625.7	633.2	643.8	659.9	679.3	701.9	725.9	741.5	749.0	743.6
69°	609.2	610.8	618.0	630.0	647.9	670.5	697.4	727.3	751.2	762.3	757.1
70°	591.8	595.2	603.1	616.2	633.6	657.4	685.2	717.1	745.1	760.3	756.4
72.5°	555.1	556.0	561.2	571.6	585.0	604.7	630.9	661.0	687.7	709.4	712.6
75°	492.7	495.6	499.5	506.5	513.3	527.5	545.2	565.8	581.4	598.1	598.8
77.5°	372.3	381.2	384.1	385.7	388.6	399.9	415.3	433.2	446.1	448.8	448.3
80°	167.2	178.9	181.6	194.5	202.5	221.2	244.8	272.1	290.5	292.5	287.5
82.5°	32.8	35.1	40.9	51.1	69.7	80.8	96.1	115.4	133.0	143.2	137.1
85°	10.9	11.5	13.3	14.7	17.0	19.2	23.3	29.0	36.0	39.8	35.5
87.5°	4.3	4.3	5.0	5.4	5.9	5.9	5.9	5.4	5.2	4.3	3.8
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°	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2
2.5°	112.9	112.9	112.9	112.9	112.9	112.9	112.9	112.9
5°	115.4	115.1	115.1	114.9	114.9	114.9	114.9	114.9
7.5°	118.8	118.5	118.3	118.5	118.3	118.3	118.3	118.3
10°	124.0	123.5	123.3	123.1	123.1	123.1	122.8	122.8
12.5°	130.1	130.1	129.8	129.6	129.2	129.4	129.2	128.7
15°	138.4	138.0	137.8	137.5	137.1	137.1	137.1	136.9
17.5°	146.8	146.4	146.4	145.7	145.5	145.5	145.5	145.7
20°	156.1	155.4	155.0	154.5	154.0	154.3	153.8	154.3
22.5°	165.4	164.5	164.0	163.3	162.6	162.6	162.4	162.0
25°	174.4	173.3	172.8	172.1	171.2	171.2	170.8	170.3
27.5°	183.0	181.9	181.4	180.1	179.2	178.9	178.5	178.3
30°	192.5	191.1	190.5	189.1	187.8	187.5	186.8	186.8
32.5°	202.5	201.1	200.6	198.6	197.5	197.5	197.0	196.6
35°	214.9	212.9	212.4	210.4	208.8	208.8	208.3	208.6
37.5°	229.6	228.0	226.4	224.9	223.0	222.8	222.4	221.9
40°	249.3	247.5	245.7	243.4	241.8	241.4	240.7	240.5
42.5°	275.5	273.7	270.1	268.3	266.7	265.3	265.1	264.9
45°	309.0	306.7	304.3	300.9	298.8	295.9	295.4	294.3
47.5°	349.3	345.0	340.7	337.7	334.6	331.2	330.5	328.7
50°	392.0	388.6	381.4	376.6	371.7	368.3	366.0	365.3
52.5°	437.9	431.6	424.4	418.0	410.8	406.3	402.2	401.1
55°	485.9	476.9	467.8	460.3	453.1	447.7	443.8	442.0
57.5°	533.9	523.9	513.9	505.8	499.7	492.7	488.8	487.9
60°	583.8	574.3	564.2	556.0	548.6	542.5	540.2	535.9
62.5°	636.8	626.8	617.3	609.4	599.9	595.6	591.8	589.3
65°	688.8	677.3	665.3	656.9	647.4	641.3	636.6	633.2
67.5°	729.1	711.7	695.6	681.6	668.7	659.2	653.1	649.9
69°	740.4	718.7	698.1	679.8	664.6	654.0	647.2	644.0
70°	739.0	715.1	692.4	672.3	655.8	644.5	637.9	632.0
72.5°	697.2	675.2	650.1	628.2	613.3	602.4	595.8	592.7
75°	594.9	580.2	562.1	545.2	534.3	528.0	519.8	520.1
77.5°	433.2	433.6	421.4	404.0	391.8	389.5	385.9	382.3
80°	268.7	247.2	233.2	214.4	200.6	188.7	183.5	172.1
82.5°	124.0	96.8	75.1	56.8	43.7	34.2	29.9	24.4
85°	27.6	21.0	17.4	14.0	12.0	11.1	9.0	8.4
87.5°	3.8	3.4	3.2	2.9	2.5	1.8	1.4	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)