

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: P180121

Luminaire Tested: **ICS-F01-LED-E1-5WQ-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180121
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-8030
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1996.5 lumens
Efficiency: N/A
Efficacy: 77.1 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

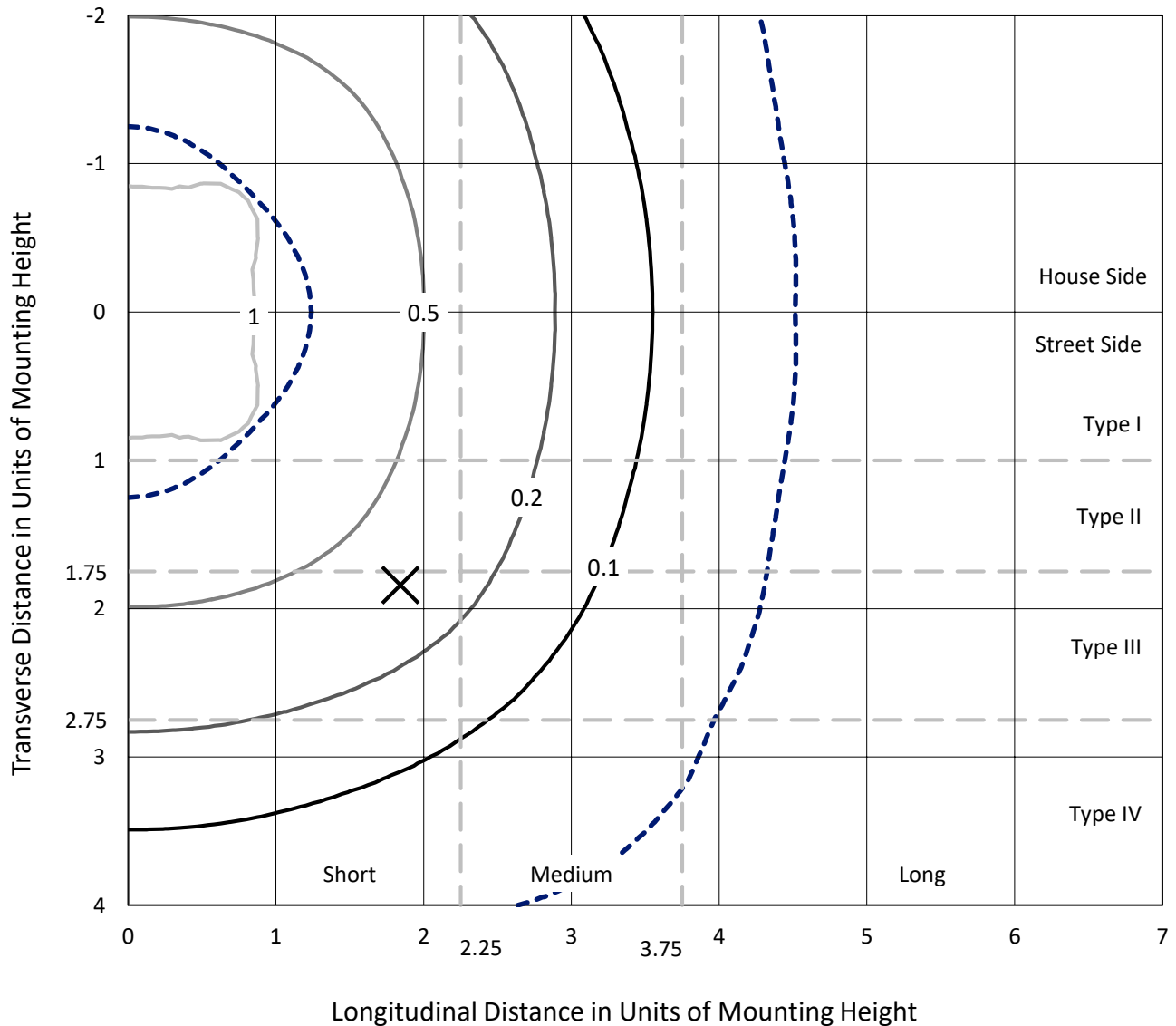
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

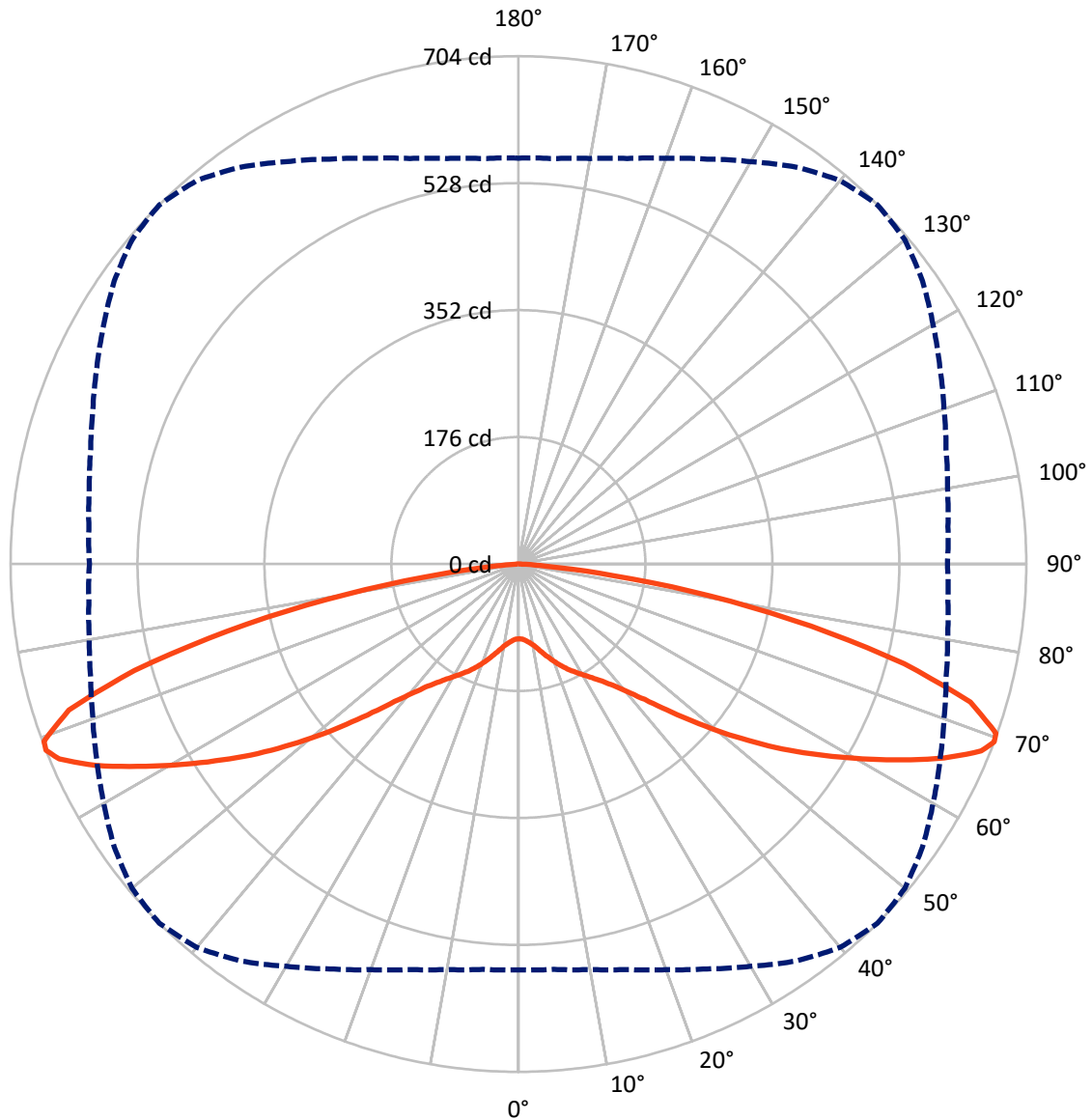
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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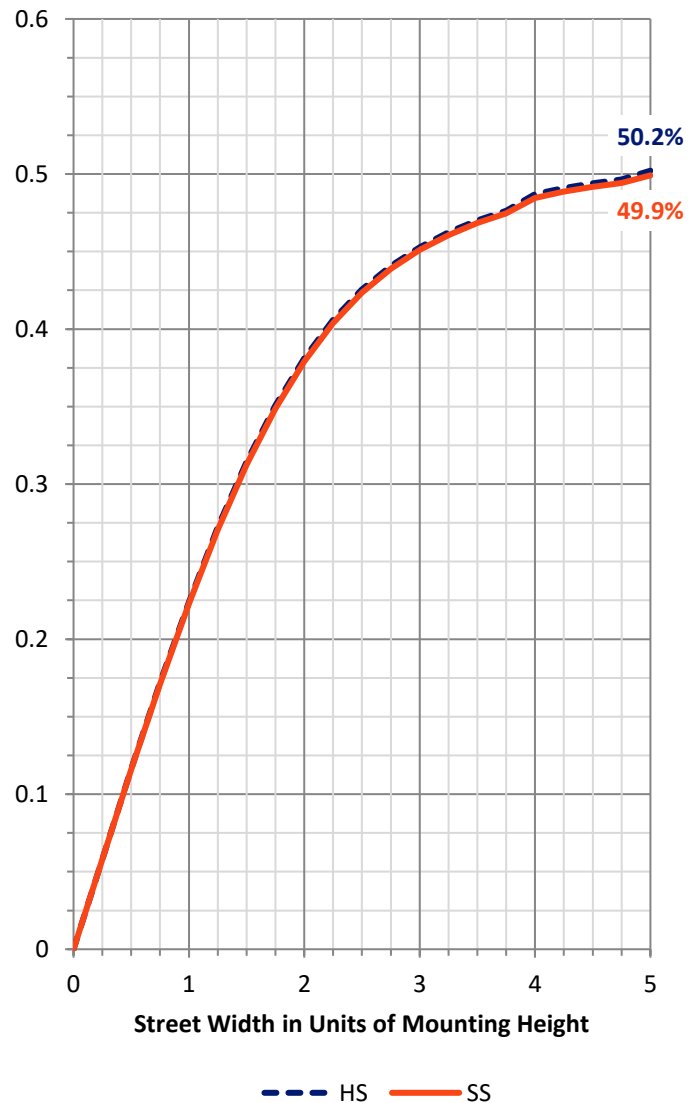
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	998.3	0.0	998.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	998.3	0.0	998.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	1996.5	0.0	1996.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.4	0.5
10°-20°	36.8	1.8
20°-30°	74.4	3.7
30°-40°	124.8	6.3
40°-50°	220.1	11.0
50°-60°	388.2	19.4
60°-70°	592.7	29.7
70°-80°	495.3	24.8
80°-90°	53.8	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°	1996.5	100.0
0°-180°	1996.5	100.0



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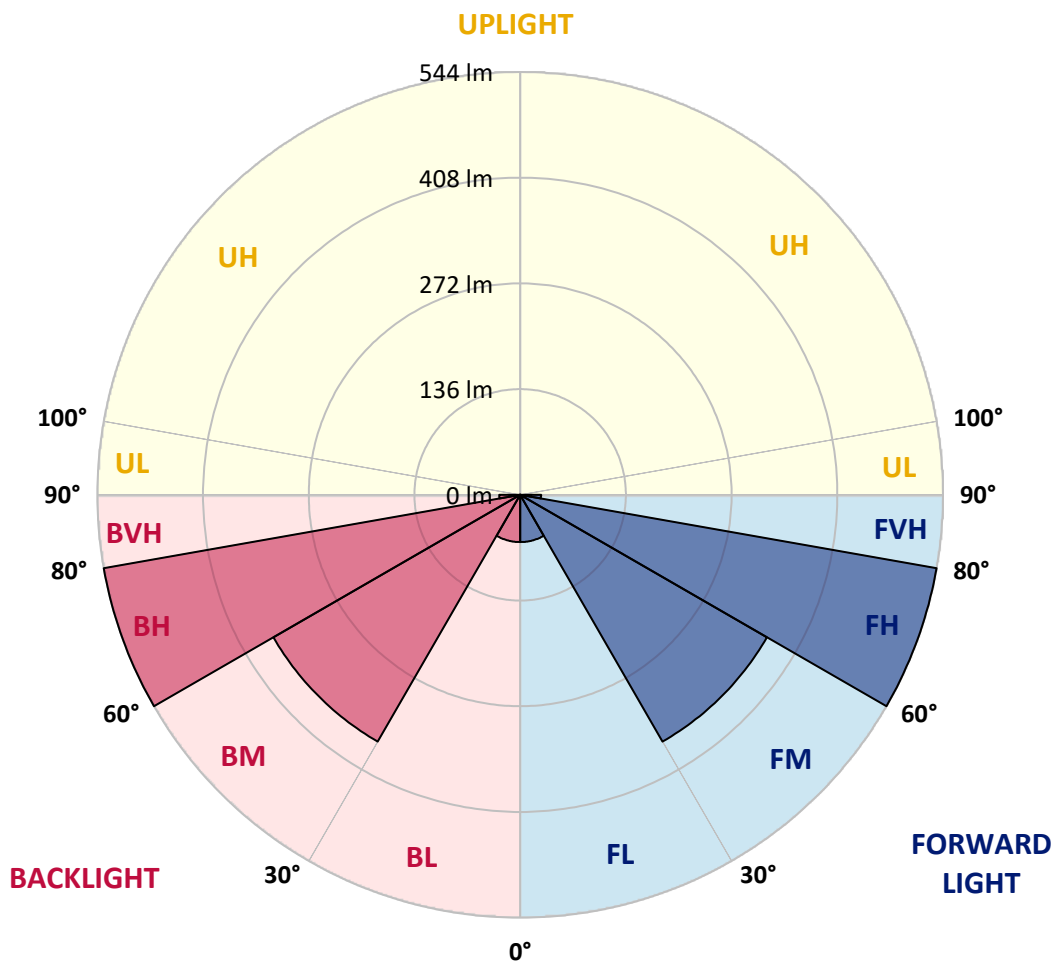
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	60.8	3.0			
FM	(30°-60°)	366.6	18.4			
FH	(60°-80°)	544.0	27.2			G0/660
FVH	(80°-90°)	26.9	1.3			G1/100
BL	(0°-30°)	60.8	3.0	B0/110		
BM	(30°-60°)	366.6	18.4	B1/1000		
BH	(60°-80°)	544.0	27.2	B2/1000		G0/660
BVH	(80°-90°)	26.9	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°	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7
2.5°	104.5	104.7	104.5	104.5	104.5	104.5	104.5	104.3	104.3	104.3	104.5
5°	106.6	106.8	106.6	106.8	106.8	106.8	106.8	106.6	106.6	106.6	106.6
7.5°	110.0	110.0	110.0	110.2	110.0	110.0	110.2	110.0	110.0	110.0	110.0
10°	114.8	114.5	114.5	114.5	114.5	114.5	114.8	114.8	114.8	114.8	114.5
12.5°	120.6	120.4	120.6	120.6	120.8	120.8	120.8	120.8	120.8	120.8	120.6
15°	127.7	127.7	127.7	127.9	128.3	128.3	128.1	128.3	128.3	128.3	128.3
17.5°	135.7	136.1	135.7	135.9	136.1	135.9	136.3	136.5	136.7	136.5	135.9
20°	143.8	144.0	144.0	144.0	144.0	144.4	144.7	144.7	145.3	145.1	144.9
22.5°	151.5	152.0	152.0	152.2	152.2	152.8	152.8	152.8	153.2	153.6	153.2
25°	159.7	159.5	159.5	159.9	160.1	161.0	161.0	161.4	162.0	162.2	161.8
27.5°	167.0	166.8	166.8	167.4	167.6	168.7	168.7	169.5	169.9	170.2	169.7
30°	174.8	174.8	174.5	175.2	175.8	176.6	177.1	177.9	178.5	178.7	178.3
32.5°	183.9	183.5	183.7	184.2	184.6	185.4	186.0	187.1	187.9	188.1	187.7
35°	194.4	193.8	194.0	194.4	195.0	196.3	197.3	198.0	199.2	199.6	198.8
37.5°	205.9	206.1	205.9	206.9	208.0	209.5	210.7	211.5	212.8	213.4	212.8
40°	222.2	221.6	222.2	223.2	224.9	226.8	229.3	229.9	231.2	232.4	231.0
42.5°	243.3	242.9	244.4	245.2	247.1	249.2	252.3	254.0	255.9	256.7	255.4
45°	270.9	270.9	272.6	272.8	275.7	278.4	282.8	284.9	288.5	288.5	288.5
47.5°	301.4	302.7	303.7	305.8	307.9	312.9	317.3	321.9	325.3	325.7	325.0
50°	333.0	334.2	337.4	340.3	344.9	351.2	356.0	362.0	365.0	367.5	366.6
52.5°	367.9	368.1	371.9	375.6	382.3	389.2	397.0	403.2	408.4	410.7	408.9
55°	406.1	406.6	409.9	413.9	421.4	429.4	439.0	445.4	452.1	456.3	453.2
57.5°	447.5	447.7	451.1	455.9	464.9	472.8	482.0	491.2	497.5	501.3	499.2
60°	493.3	494.4	496.9	502.9	511.5	519.9	529.1	537.2	544.5	548.5	546.4
62.5°	542.2	543.3	546.8	551.6	559.2	568.4	577.1	587.6	593.7	598.0	594.9
65°	575.0	576.9	582.6	589.1	600.1	612.0	622.3	636.5	643.8	649.0	646.1
67.5°	577.1	578.2	585.1	594.9	609.7	627.7	648.6	670.8	685.2	692.1	687.1
69°	562.9	564.4	571.1	582.2	598.7	619.6	644.4	672.0	694.2	704.4	699.6
70°	546.8	550.0	557.3	569.4	585.5	607.4	633.2	662.6	688.6	702.6	699.0
72.5°	513.0	513.8	518.6	528.2	540.6	558.7	583.0	610.8	635.5	655.5	658.5
75°	455.3	458.0	461.5	468.0	474.3	487.5	503.8	522.8	537.2	552.7	553.3
77.5°	344.1	352.2	354.9	356.4	359.1	369.6	383.8	400.3	412.2	414.7	414.3
80°	154.5	165.3	167.9	179.8	187.1	204.4	226.2	251.5	268.4	270.3	265.7
82.5°	30.3	32.4	37.8	47.2	64.4	74.6	88.8	106.6	122.9	132.3	126.7
85°	10.0	10.7	12.3	13.6	15.7	17.8	21.5	26.8	33.2	36.8	32.8
87.5°	4.0	4.0	4.6	5.0	5.4	5.4	5.4	5.0	4.8	4.0	3.6
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°	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7
2.5°	104.3	104.3	104.3	104.3	104.3	104.3	104.3	104.3
5°	106.6	106.4	106.4	106.2	106.2	106.2	106.2	106.2
7.5°	109.7	109.5	109.3	109.5	109.3	109.3	109.3	109.3
10°	114.5	114.1	113.9	113.7	113.7	113.7	113.5	113.5
12.5°	120.2	120.2	120.0	119.8	119.4	119.6	119.4	118.9
15°	127.9	127.5	127.3	127.1	126.7	126.7	126.7	126.5
17.5°	135.7	135.2	135.2	134.6	134.4	134.4	134.4	134.6
20°	144.2	143.6	143.2	142.8	142.4	142.6	142.1	142.6
22.5°	152.8	152.0	151.5	150.9	150.3	150.3	150.1	149.7
25°	161.2	160.1	159.7	159.1	158.2	158.2	157.8	157.4
27.5°	169.1	168.1	167.6	166.4	165.6	165.3	164.9	164.7
30°	177.9	176.6	176.0	174.8	173.5	173.3	172.7	172.7
32.5°	187.1	185.8	185.4	183.5	182.5	182.5	182.1	181.6
35°	198.6	196.7	196.3	194.4	192.9	192.9	192.5	192.7
37.5°	212.2	210.7	209.2	207.8	206.1	205.9	205.5	205.1
40°	230.4	228.7	227.0	224.9	223.5	223.0	222.4	222.2
42.5°	254.6	252.9	249.6	247.9	246.4	245.2	245.0	244.8
45°	285.5	283.4	281.1	278.0	276.1	273.4	273.0	272.0
47.5°	322.7	318.8	314.8	312.1	309.2	306.0	305.4	303.7
50°	362.3	359.1	352.4	348.0	343.4	340.3	338.2	337.6
52.5°	404.7	398.8	392.1	386.3	379.6	375.4	371.7	370.6
55°	449.0	440.6	432.3	425.4	418.7	413.7	410.1	408.4
57.5°	493.3	484.1	474.9	467.4	461.8	455.3	451.7	450.9
60°	539.5	530.7	521.3	513.8	506.9	501.3	499.2	495.2
62.5°	588.4	579.2	570.4	563.1	554.4	550.4	546.8	544.5
65°	636.5	625.8	614.8	607.0	598.2	592.6	588.2	585.1
67.5°	673.7	657.6	642.8	629.8	617.9	609.1	603.5	600.5
69°	684.2	664.1	645.1	628.1	614.1	604.3	598.0	595.1
70°	682.9	660.8	639.8	621.2	606.0	595.5	589.5	584.0
72.5°	644.2	624.0	600.8	580.5	566.7	556.7	550.6	547.7
75°	549.8	536.2	519.4	503.8	493.7	487.9	480.4	480.6
77.5°	400.3	400.7	389.4	373.3	362.0	360.0	356.6	353.3
80°	248.3	228.5	215.5	198.2	185.4	174.3	169.5	159.1
82.5°	114.5	89.5	69.4	52.5	40.3	31.6	27.6	22.6
85°	25.5	19.4	16.1	13.0	11.1	10.2	8.4	7.7
87.5°	3.6	3.1	2.9	2.7	2.3	1.7	1.3	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)