

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: P180221

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180221
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33676)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-F01-LED-E1-5XQ-8030
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1994.4 lumens
Efficiency: N/A
Efficacy: 77.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B2 - U0 - G1

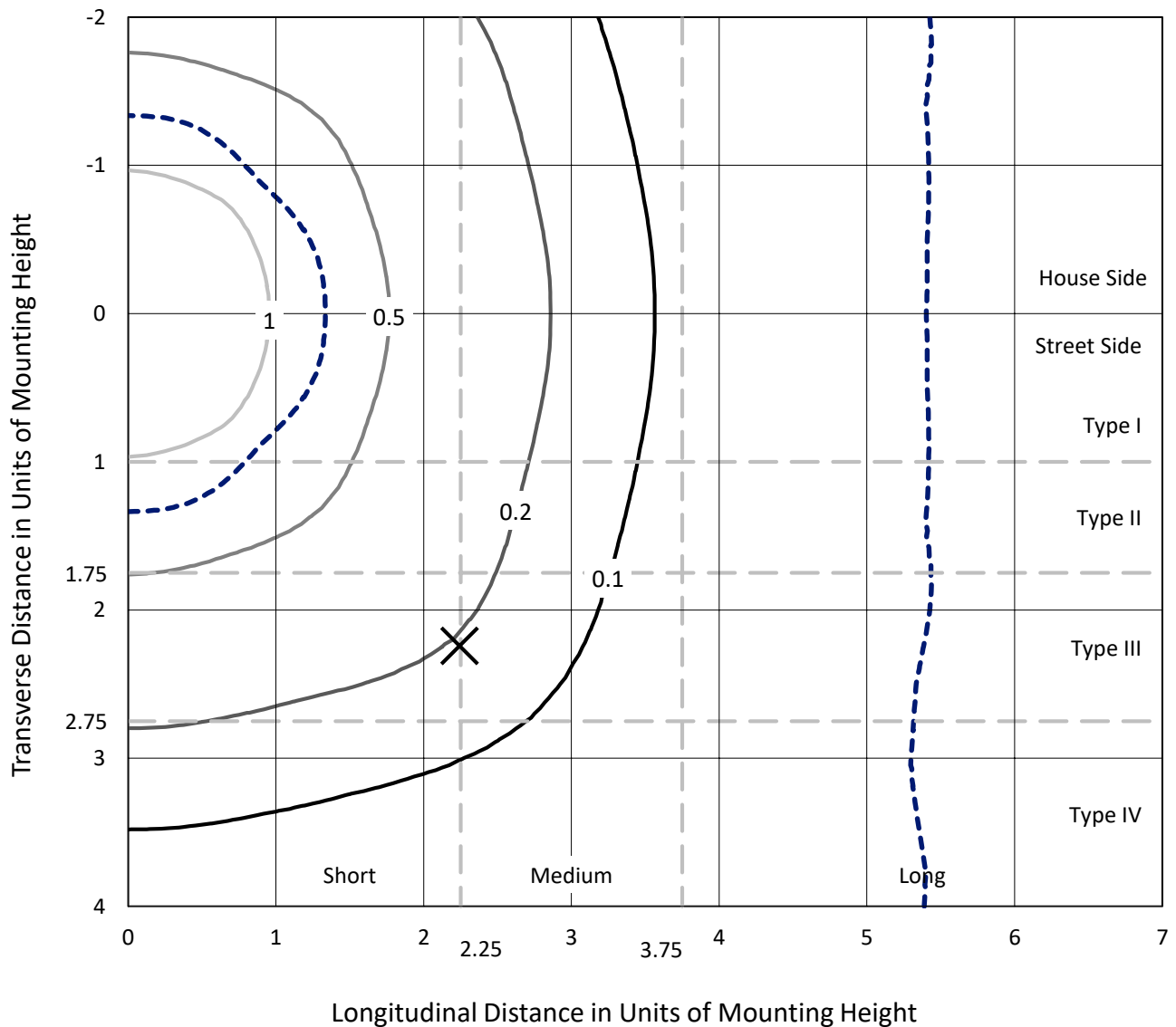
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

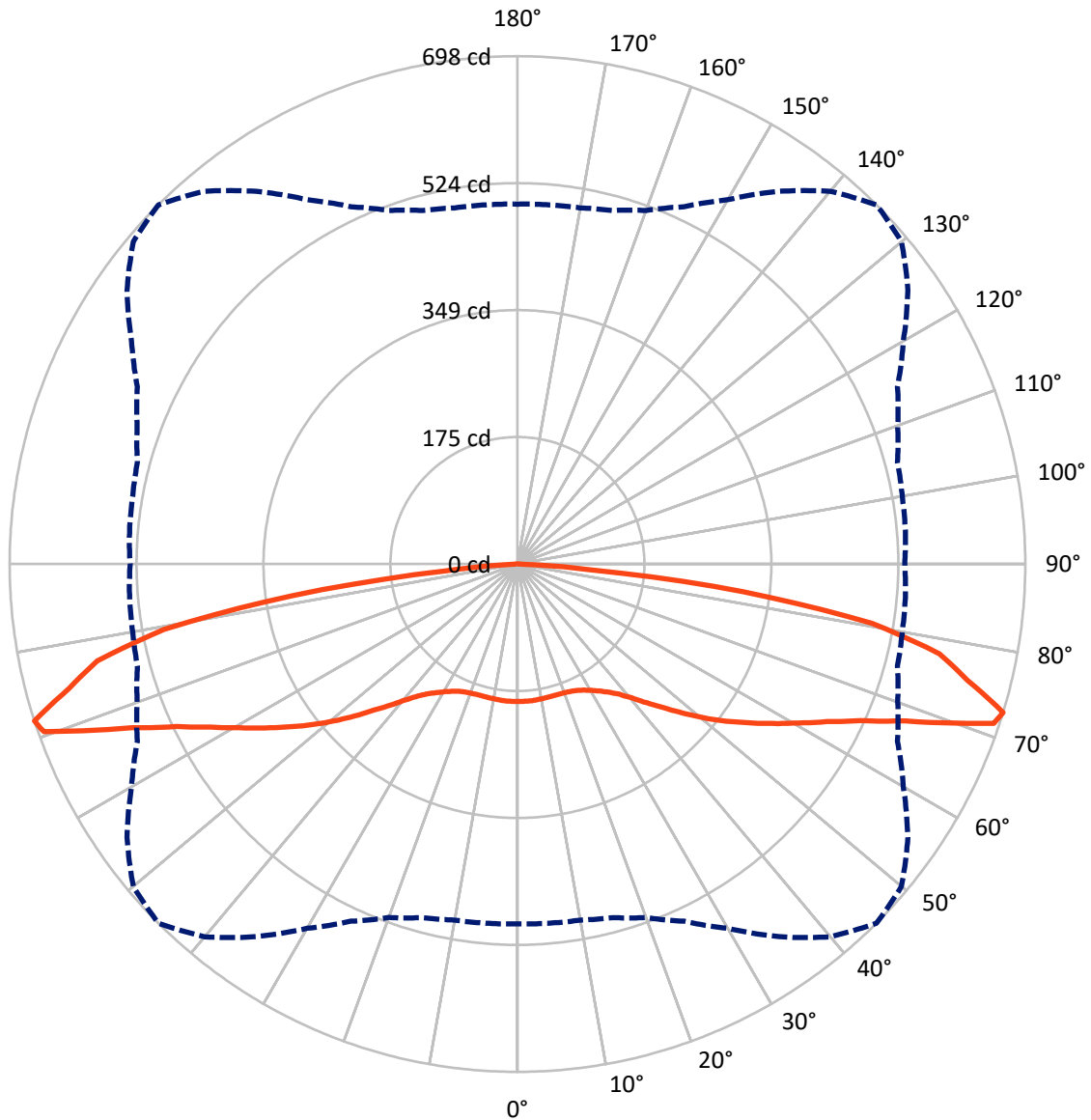
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.9 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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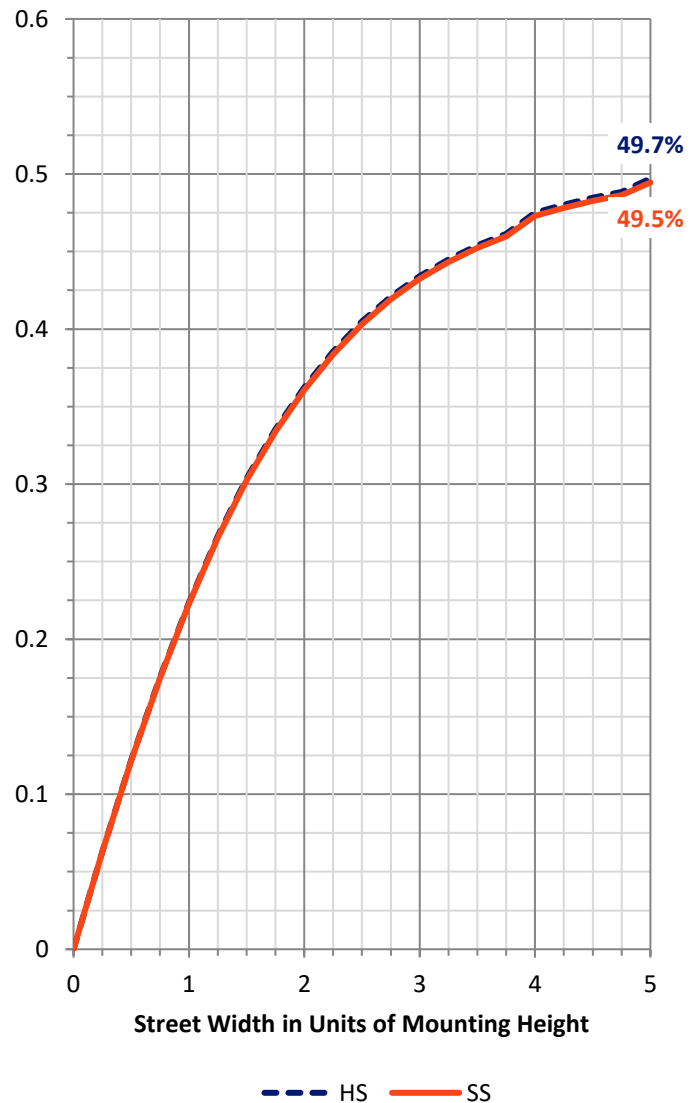
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	997.2	0.0	997.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	997.2	0.0	997.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	1994.4	0.0	1994.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.0	0.9
10°-20°	53.3	2.7
20°-30°	89.2	4.5
30°-40°	136.0	6.8
40°-50°	217.2	10.9
50°-60°	333.9	16.7
60°-70°	486.1	24.4
70°-80°	547.7	27.5
80°-90°	113.1	5.7
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°	1994.4	100.0
0°-180°	1994.4	100.0



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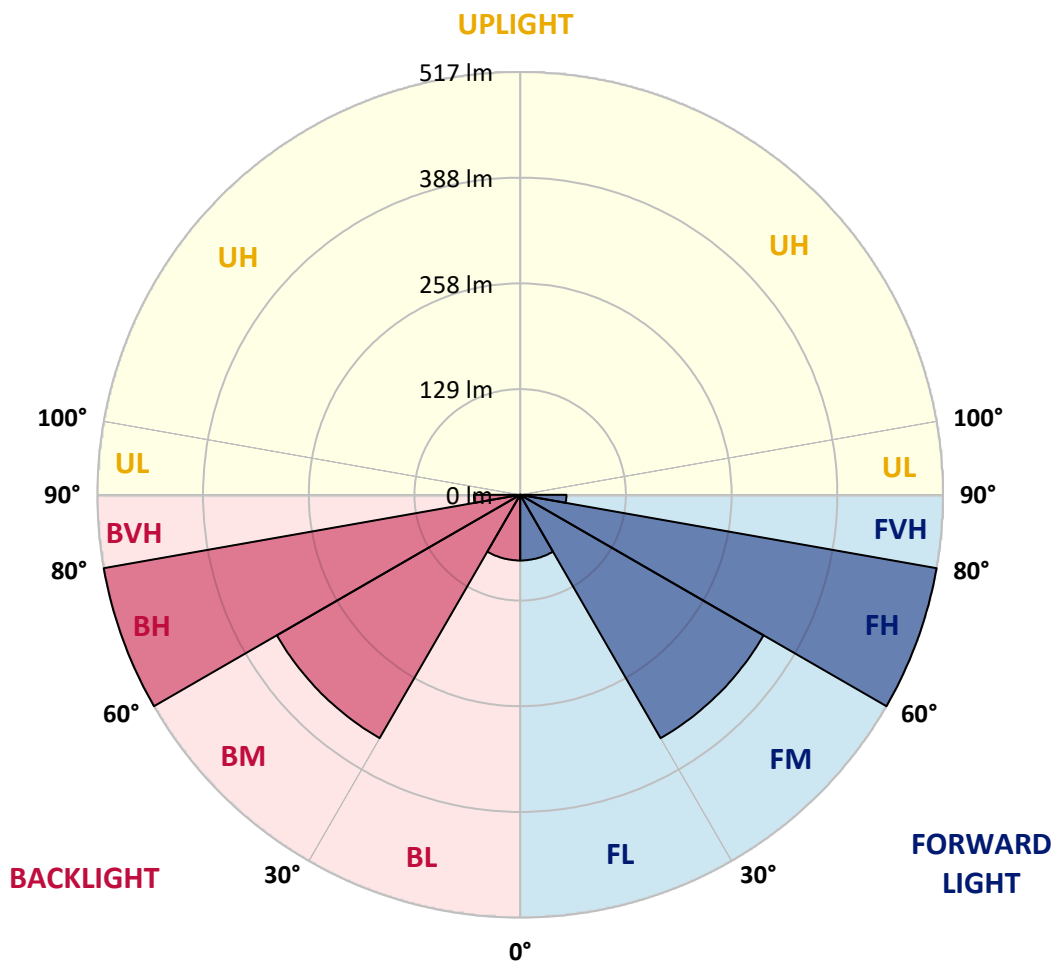
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	80.2	4.0			
FM (30°-60°)	343.5	17.2			
FH (60°-80°)	516.9	25.9			G0/660
FVH (80°-90°)	56.5	2.8			G1/100
BL (0°-30°)	80.2	4.0	B0/110		
BM (30°-60°)	343.5	17.2	B1/1000		
BH (60°-80°)	516.9	25.9	B2/1000		G0/660
BVH (80°-90°)	56.5	2.8			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°	189.0	189.0	189.0	189.0	189.0	189.0	189.0	189.0	189.0	189.0	189.0
2.5°	189.2	189.4	189.3	189.2	189.2	189.2	189.1	189.0	188.7	188.9	189.2
5°	189.2	189.2	189.1	189.0	189.0	189.2	189.1	188.9	188.9	189.0	188.8
7.5°	189.2	189.0	188.8	188.8	188.8	188.9	188.8	188.6	188.7	188.6	188.4
10°	188.8	188.7	188.8	188.6	188.6	188.5	188.3	188.2	188.3	188.1	187.8
12.5°	189.0	188.7	188.6	188.6	188.5	188.4	188.2	187.9	188.0	187.8	187.6
15°	189.0	188.8	188.8	188.5	188.5	188.4	188.1	188.0	188.0	187.8	187.5
17.5°	189.0	189.0	189.0	188.7	188.6	188.5	188.2	188.0	188.2	187.8	187.6
20°	189.4	189.2	189.3	189.2	189.0	189.0	188.7	188.6	188.7	188.6	188.0
22.5°	190.0	190.0	190.1	190.0	190.0	190.1	189.9	189.9	189.9	189.9	189.4
25°	191.8	191.8	191.8	191.9	191.9	192.2	192.1	192.0	192.3	192.3	191.8
27.5°	195.2	195.0	195.2	195.2	195.5	196.0	195.9	196.0	196.4	196.3	195.9
30°	199.0	198.9	199.2	199.5	199.7	200.4	200.1	200.9	201.2	201.6	201.2
32.5°	204.6	204.6	205.1	205.4	205.8	206.5	206.6	207.2	207.7	208.2	207.9
35°	212.2	212.1	212.4	212.8	213.4	214.0	214.3	215.1	215.9	216.2	215.5
37.5°	223.6	223.1	223.8	224.0	224.4	224.6	225.3	226.4	227.2	227.0	226.6
40°	239.2	239.2	238.9	238.6	239.3	239.6	239.6	241.0	242.2	242.0	242.0
42.5°	257.4	257.0	256.6	256.6	257.0	257.2	258.8	259.8	260.7	260.9	260.7
45°	277.0	276.5	276.6	276.4	276.6	277.2	278.2	280.1	281.8	281.8	280.9
47.5°	298.0	296.5	297.6	296.0	297.0	297.5	299.9	302.7	305.6	306.2	305.4
50°	319.3	319.1	319.0	318.7	319.2	320.4	323.2	327.6	330.5	332.4	331.1
52.5°	342.6	341.8	341.5	341.0	341.4	343.6	347.7	351.6	356.6	358.8	357.0
55°	365.3	365.0	363.6	363.6	364.6	368.1	372.5	377.2	382.7	385.2	384.5
57.5°	388.6	387.1	386.6	386.0	388.0	391.3	396.7	405.2	411.0	413.7	412.1
60°	411.4	410.2	409.3	409.1	410.5	415.1	422.8	433.1	440.2	443.7	441.2
62.5°	435.8	435.1	434.0	432.8	435.7	441.6	451.2	462.6	473.0	477.4	473.6
65°	466.2	464.8	463.6	462.1	464.4	471.8	483.9	500.0	513.9	519.0	516.3
67.5°	498.4	496.9	497.0	496.1	500.3	510.6	526.1	547.9	566.6	575.4	570.2
70°	526.3	527.2	527.3	531.2	538.4	554.0	580.0	614.1	642.4	655.8	650.3
71°	518.1	519.8	522.5	526.4	538.9	557.4	592.8	634.2	668.0	690.6	683.0
72.5°	494.7	495.7	497.1	503.2	517.2	541.8	578.2	625.4	669.0	698.2	689.4
75°	460.8	461.8	462.3	466.5	479.3	500.8	534.1	576.0	614.4	639.3	636.8
77.5°	409.7	409.9	413.5	420.0	434.4	459.0	494.1	537.5	573.6	593.0	580.7
80°	294.2	292.2	296.0	304.4	322.2	350.3	386.2	435.9	476.0	494.1	475.0
82.5°	112.0	118.0	127.6	141.4	147.4	178.7	212.3	241.4	275.2	312.9	303.5
85°	12.0	13.5	17.0	21.1	26.6	36.8	50.8	69.4	85.6	100.6	89.3
87.5°	4.5	4.6	5.1	5.9	6.0	6.3	6.7	7.8	7.2	6.3	5.1
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°	189.0	189.0	189.0	189.0	189.0	189.0	189.0	189.0
2.5°	189.0	189.0	189.0	189.0	189.0	188.8	188.8	188.8
5°	188.9	188.8	188.8	188.8	188.8	188.9	188.8	188.8
7.5°	188.6	188.4	188.5	188.5	188.4	188.5	188.4	188.4
10°	188.1	187.7	188.0	187.9	187.8	187.8	187.8	187.8
12.5°	187.6	187.4	187.4	187.4	187.3	187.5	187.4	187.5
15°	187.6	187.1	187.0	187.0	187.0	187.1	187.1	187.2
17.5°	187.4	187.0	186.8	186.8	186.8	187.0	187.1	187.0
20°	187.8	187.4	187.2	187.1	187.1	187.3	187.3	187.2
22.5°	189.2	188.7	188.6	188.2	188.1	188.2	188.1	188.2
25°	191.6	191.0	190.8	190.1	189.7	189.8	189.6	189.5
27.5°	195.8	194.9	194.7	194.2	193.6	193.7	193.4	193.4
30°	200.8	199.9	199.1	198.5	197.8	197.6	197.2	197.1
32.5°	207.2	206.2	205.3	204.5	203.6	203.2	202.6	202.2
35°	215.0	213.8	212.8	212.2	211.2	210.8	210.3	210.8
37.5°	226.1	224.5	224.0	223.4	222.7	222.0	222.2	222.0
40°	241.4	240.0	239.4	238.2	238.1	237.2	237.8	237.2
42.5°	260.2	257.7	257.3	256.4	256.1	255.6	255.8	255.4
45°	280.7	278.5	278.0	276.5	276.6	275.5	276.0	275.9
47.5°	303.8	301.5	299.5	298.4	298.0	297.4	297.7	297.6
50°	327.6	324.5	322.3	320.2	319.2	319.5	318.8	320.0
52.5°	353.2	348.5	345.5	343.5	341.6	342.0	342.1	342.5
55°	379.8	373.7	369.3	366.6	365.0	365.1	365.6	366.0
57.5°	406.4	398.8	392.9	388.9	387.8	388.3	388.3	388.3
60°	434.0	425.0	417.2	412.8	411.8	411.6	413.6	413.0
62.5°	463.7	452.8	444.9	439.1	437.8	438.7	440.6	440.2
65°	503.1	488.0	477.7	472.0	469.7	470.6	473.1	473.0
67.5°	553.8	532.7	519.2	511.8	510.2	511.3	512.7	514.0
70°	629.7	599.6	580.2	564.4	557.6	556.3	557.7	557.7
71°	656.4	621.8	591.0	571.7	560.5	555.8	556.2	553.8
72.5°	655.3	612.6	576.6	556.4	540.9	537.2	535.3	532.5
75°	611.2	572.7	541.4	519.4	504.5	500.1	496.8	496.6
77.5°	554.3	525.9	491.4	468.1	450.0	442.6	439.3	439.2
80°	445.6	403.1	377.9	363.8	341.9	335.6	329.0	326.4
82.5°	269.4	210.5	171.2	152.1	141.6	116.6	104.6	99.0
85°	62.8	44.6	30.7	20.2	14.6	11.6	8.9	7.8
87.5°	4.2	3.4	3.0	2.4	1.8	1.8	1.1	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)