

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: P180223

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180223
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
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (7) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2363.1 lumens
Efficiency: N/A
Efficacy: 91.2 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

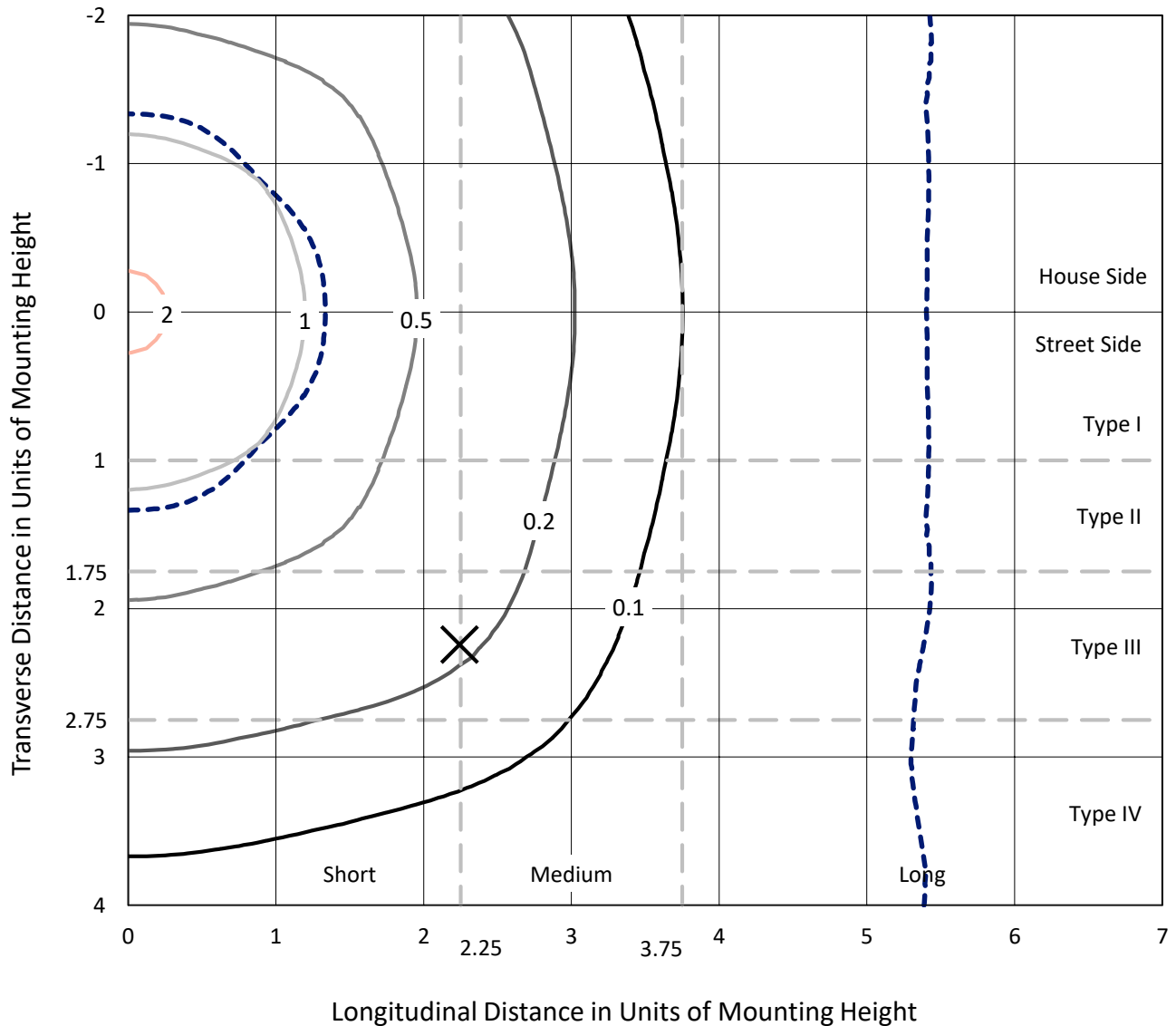
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

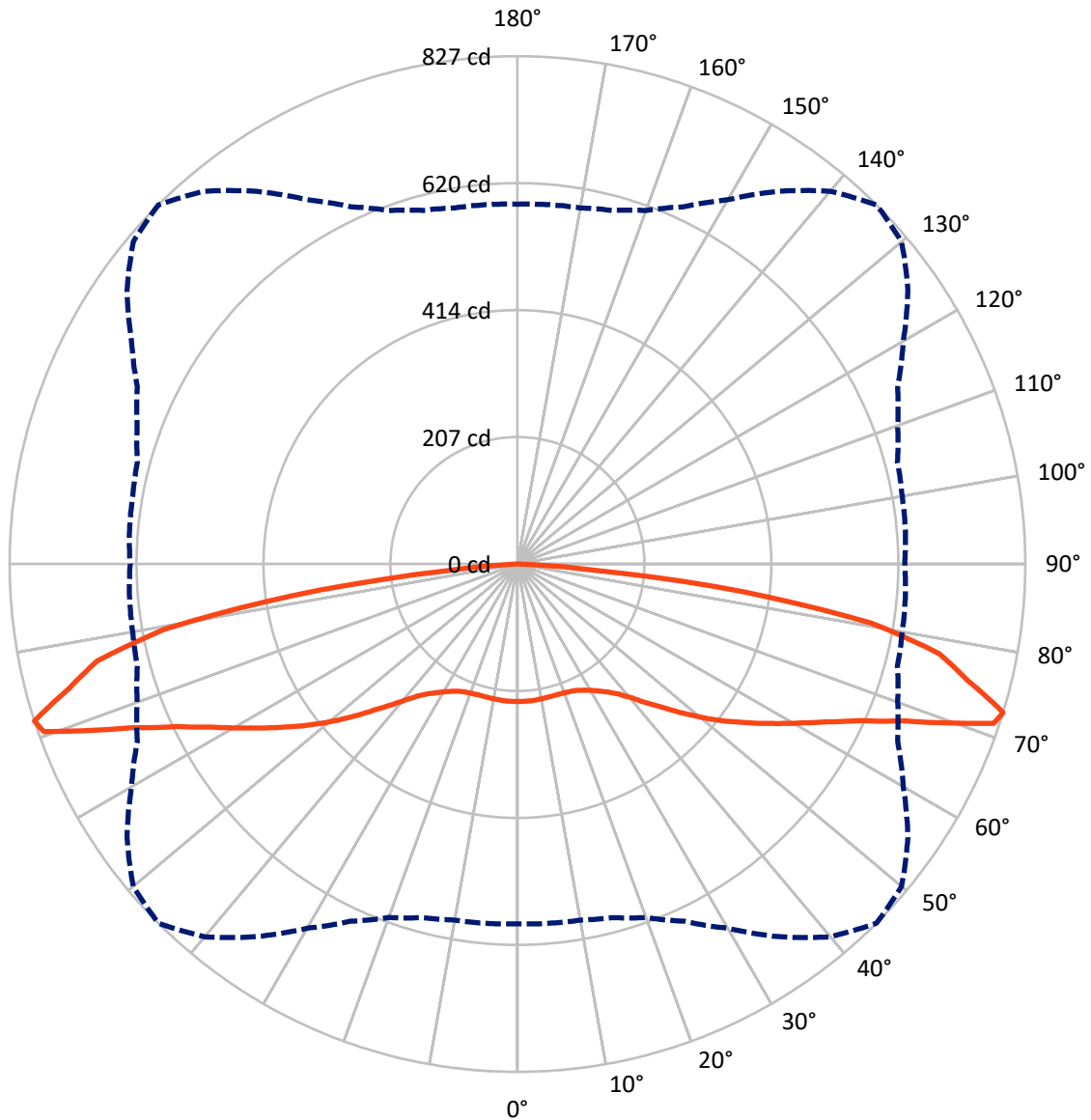
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.2 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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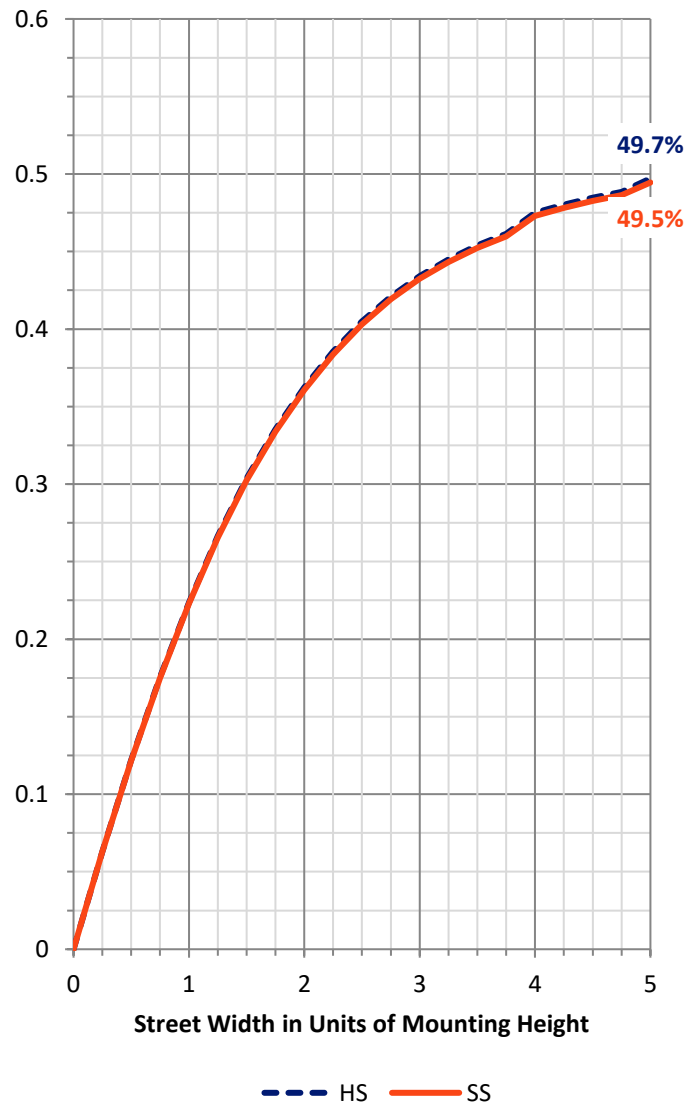
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1181.5	0.0	1181.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1181.5	0.0	1181.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2363.1	0.0	2363.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.3	0.9
10°-20°	63.1	2.7
20°-30°	105.7	4.5
30°-40°	161.1	6.8
40°-50°	257.3	10.9
50°-60°	395.6	16.7
60°-70°	576.0	24.4
70°-80°	648.9	27.5
80°-90°	133.9	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°	2363.1	100.0
0°-180°	2363.1	100.0



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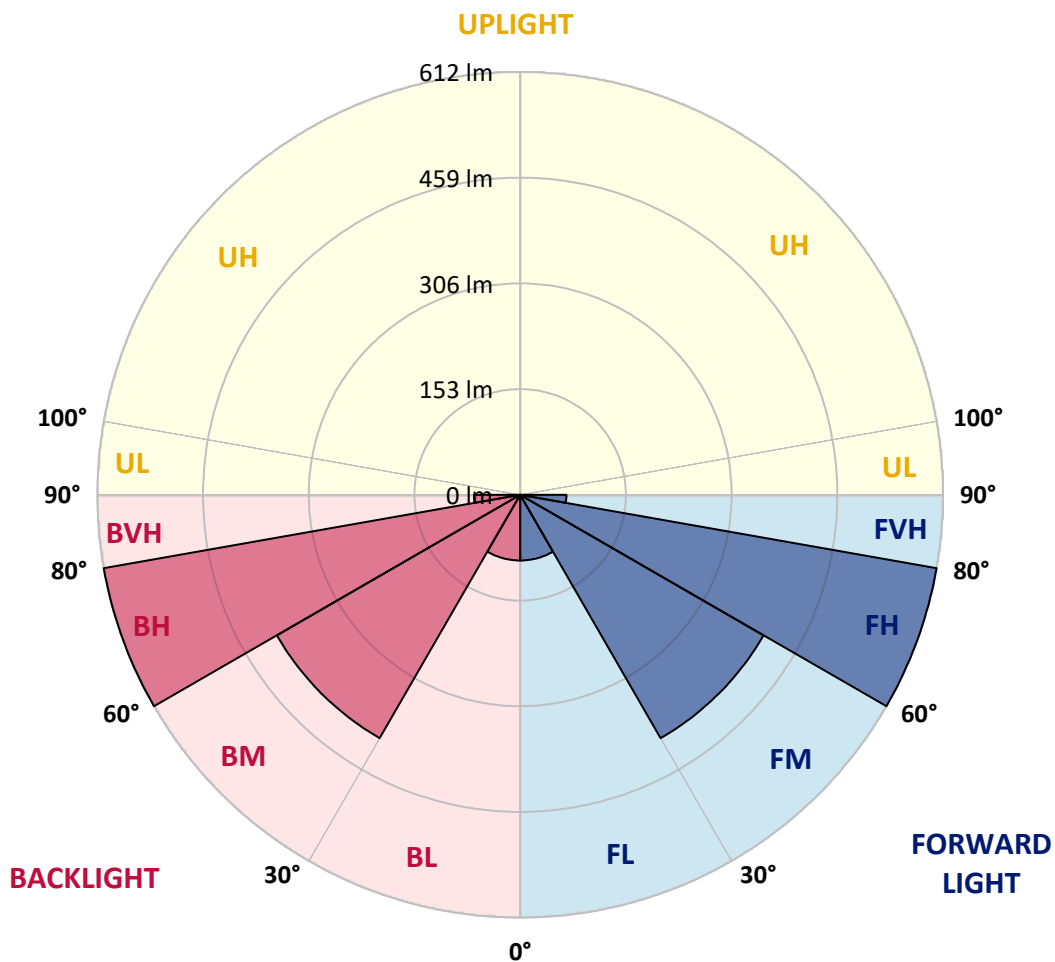
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	95.1	4.0			
FM (30°-60°)	407.0	17.2			
FH (60°-80°)	612.5	25.9			G0/660
FVH (80°-90°)	67.0	2.8			G1/100
BL (0°-30°)	95.1	4.0	B0/110		
BM (30°-60°)	407.0	17.2	B1/1000		
BH (60°-80°)	612.5	25.9	B2/1000		G0/660
BVH (80°-90°)	67.0	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°	223.9	223.9	223.9	223.9	223.9	223.9	223.9	223.9	223.9	223.9	223.9
2.5°	224.2	224.4	224.3	224.2	224.3	224.2	224.1	224.0	223.6	223.8	224.2
5°	224.3	224.2	224.1	224.0	224.0	224.2	224.0	223.8	223.8	223.9	223.7
7.5°	224.2	223.9	223.8	223.7	223.8	223.8	223.6	223.4	223.6	223.4	223.2
10°	223.8	223.6	223.6	223.4	223.4	223.4	223.2	223.0	223.1	222.9	222.6
12.5°	223.9	223.6	223.5	223.4	223.3	223.3	223.0	222.6	222.7	222.6	222.3
15°	223.9	223.7	223.6	223.4	223.4	223.2	222.8	222.7	222.7	222.5	222.2
17.5°	224.0	223.9	223.9	223.6	223.4	223.4	223.0	222.8	223.0	222.6	222.4
20°	224.4	224.3	224.3	224.2	223.9	223.9	223.6	223.5	223.5	223.5	222.8
22.5°	225.2	225.2	225.3	225.2	225.2	225.2	225.0	225.0	225.0	225.0	224.4
25°	227.2	227.2	227.3	227.3	227.4	227.8	227.6	227.6	227.8	227.8	227.3
27.5°	231.2	231.1	231.2	231.3	231.6	232.2	232.1	232.2	232.8	232.6	232.1
30°	235.8	235.7	236.0	236.3	236.6	237.4	237.1	238.0	238.4	238.8	238.4
32.5°	242.4	242.5	243.0	243.3	243.8	244.7	244.8	245.6	246.2	246.8	246.3
35°	251.4	251.2	251.7	252.1	252.8	253.6	253.9	254.9	255.8	256.2	255.4
37.5°	265.0	264.3	265.1	265.4	265.9	266.1	267.0	268.2	269.2	269.0	268.5
40°	283.4	283.4	283.0	282.6	283.5	283.8	283.8	285.5	287.0	286.7	286.7
42.5°	305.0	304.5	304.0	304.1	304.6	304.7	306.6	307.8	308.9	309.2	308.9
45°	328.2	327.6	327.7	327.5	327.7	328.5	329.5	331.9	333.9	333.9	332.8
47.5°	353.0	351.3	352.7	350.8	351.9	352.6	355.3	358.7	362.2	362.8	361.8
50°	378.3	378.2	378.0	377.7	378.2	379.5	383.0	388.2	391.6	393.8	392.3
52.5°	406.0	405.0	404.6	404.0	404.5	407.2	412.0	416.5	422.5	425.1	423.0
55°	432.8	432.5	430.9	430.8	432.0	436.1	441.4	447.0	453.5	456.3	455.6
57.5°	460.4	458.6	458.2	457.4	459.8	463.6	470.0	480.2	486.9	490.1	488.3
60°	487.4	486.0	485.0	484.8	486.4	491.8	501.0	513.2	521.5	525.8	522.8
62.5°	516.4	515.6	514.3	512.9	516.2	523.2	534.7	548.2	560.5	565.7	561.2
65°	552.4	550.7	549.2	547.5	550.3	559.1	573.4	592.4	608.9	615.0	611.8
67.5°	590.4	588.8	588.9	587.8	592.7	605.0	623.4	649.2	671.4	681.7	675.7
70°	623.6	624.6	624.8	629.3	637.9	656.4	687.2	727.6	761.2	777.0	770.5
71°	613.8	615.9	619.0	623.8	638.5	660.5	702.4	751.4	791.5	818.2	809.2
72.5°	586.1	587.4	589.0	596.2	612.8	641.9	685.0	741.0	792.6	827.2	816.8
75°	546.0	547.2	547.7	552.8	567.9	593.3	632.8	682.5	728.0	757.4	754.5
77.5°	485.4	485.6	490.0	497.7	514.8	543.8	585.3	636.9	679.7	702.6	688.0
80°	348.6	346.2	350.7	360.7	381.7	415.0	457.6	516.5	563.9	585.4	562.8
82.5°	132.6	139.8	151.1	167.6	174.7	211.8	251.5	286.1	326.0	370.8	359.5
85°	14.2	16.0	20.1	25.0	31.5	43.6	60.2	82.2	101.3	119.2	105.8
87.5°	5.3	5.4	6.1	7.0	7.1	7.4	7.9	9.2	8.6	7.4	6.0
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°	223.9	223.9	223.9	223.9	223.9	223.9	223.9	223.9
2.5°	223.9	224.0	223.9	224.0	224.0	223.7	223.8	223.6
5°	223.8	223.6	223.7	223.8	223.7	223.8	223.6	223.8
7.5°	223.5	223.2	223.3	223.3	223.2	223.3	223.2	223.2
10°	222.9	222.4	222.6	222.5	222.4	222.5	222.5	222.6
12.5°	222.4	222.0	222.1	222.0	222.0	222.2	222.1	222.2
15°	222.2	221.7	221.7	221.6	221.6	221.7	221.7	222.0
17.5°	222.1	221.4	221.4	221.3	221.4	221.6	221.7	221.6
20°	222.5	222.0	221.8	221.7	221.7	222.0	221.9	222.0
22.5°	224.2	223.6	223.5	223.0	222.8	223.0	222.9	222.9
25°	227.0	226.2	226.0	225.3	224.8	224.8	224.6	224.6
27.5°	232.0	230.9	230.6	230.1	229.4	229.5	229.2	229.1
30°	237.8	236.8	236.0	235.2	234.4	234.0	233.6	233.6
32.5°	245.4	244.4	243.3	242.3	241.2	240.8	240.0	239.6
35°	254.8	253.3	252.1	251.4	250.3	249.7	249.2	249.8
37.5°	267.8	266.1	265.4	264.6	263.9	263.0	263.2	263.0
40°	285.9	284.3	283.7	282.3	282.1	281.1	281.7	281.1
42.5°	308.3	305.3	304.9	303.8	303.4	302.8	303.1	302.6
45°	332.6	330.0	329.5	327.7	327.7	326.4	326.9	327.0
47.5°	360.0	357.2	354.9	353.6	353.1	352.3	352.8	352.7
50°	388.2	384.4	381.9	379.4	378.2	378.6	377.7	379.2
52.5°	418.6	413.0	409.3	406.9	404.8	405.3	405.4	405.8
55°	450.0	442.8	437.6	434.4	432.5	432.6	433.2	433.7
57.5°	481.5	472.5	465.5	460.8	459.6	460.1	460.1	460.0
60°	514.3	503.5	494.4	489.1	488.0	487.7	490.1	489.3
62.5°	549.4	536.5	527.1	520.3	518.7	519.8	522.0	521.4
65°	596.1	578.2	566.1	559.3	556.6	557.7	560.6	560.5
67.5°	656.2	631.2	615.2	606.5	604.5	605.9	607.5	609.0
70°	746.1	710.4	687.5	668.7	660.6	659.1	660.7	660.8
71°	777.8	736.7	700.2	677.3	664.2	658.6	659.0	656.2
72.5°	776.4	725.8	683.2	659.2	640.9	636.4	634.3	630.9
75°	724.1	678.6	641.5	615.4	597.8	592.5	588.7	588.4
77.5°	656.7	623.1	582.3	554.6	533.1	524.4	520.5	520.4
80°	527.9	477.6	447.7	431.1	405.1	397.6	389.7	386.8
82.5°	319.2	249.4	202.8	180.2	167.8	138.1	124.0	117.2
85°	74.4	52.8	36.4	23.9	17.2	13.7	10.5	9.2
87.5°	5.0	4.0	3.5	2.8	2.2	2.1	1.3	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)