

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: P180216

Luminaire Tested: **ICS-E01-LED-E1-5XQ-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180216
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-E01-LED-E1-5XQ-8030
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2415.9 lumens
Efficiency: N/A
Efficacy: 97.8 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

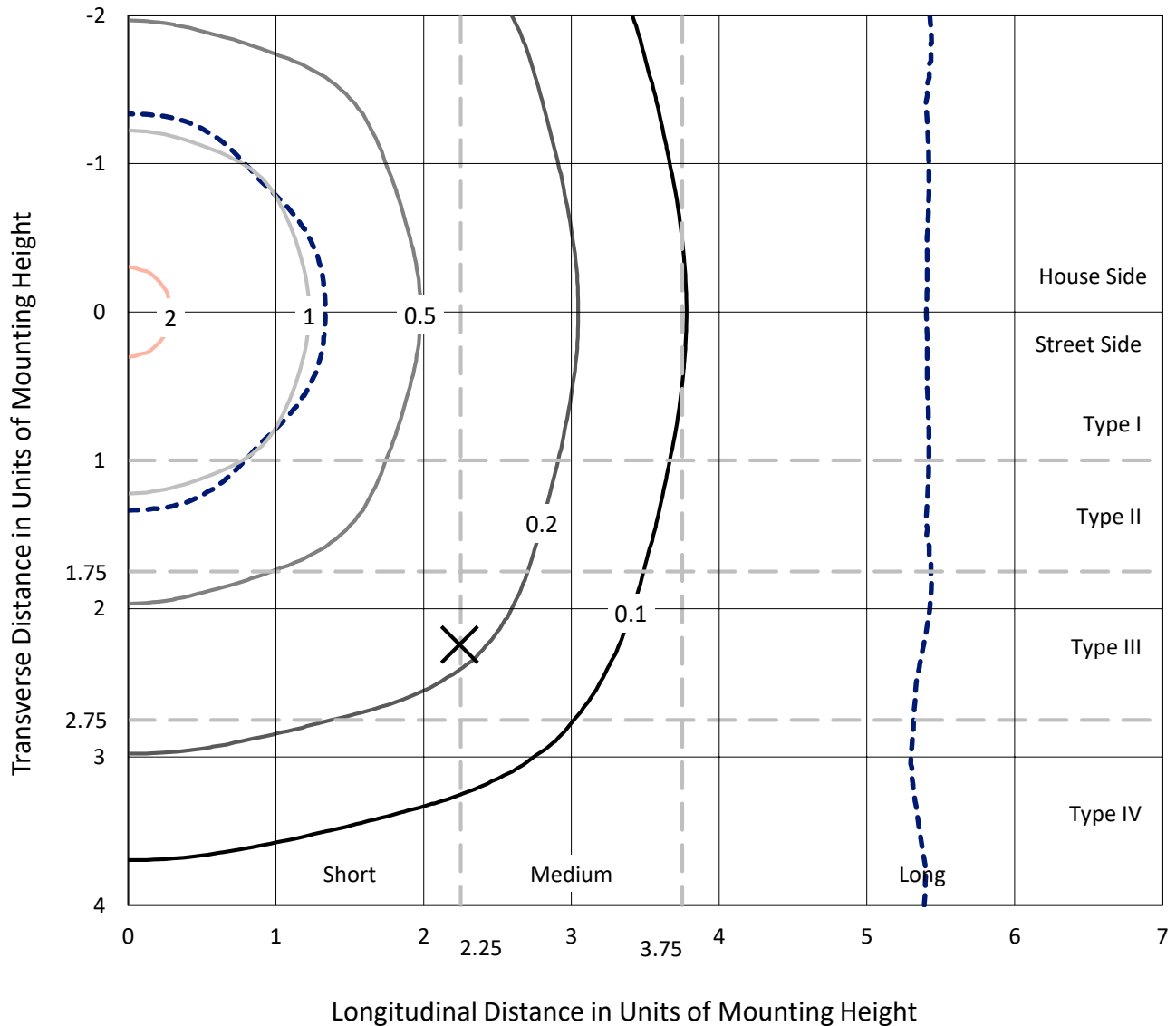
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

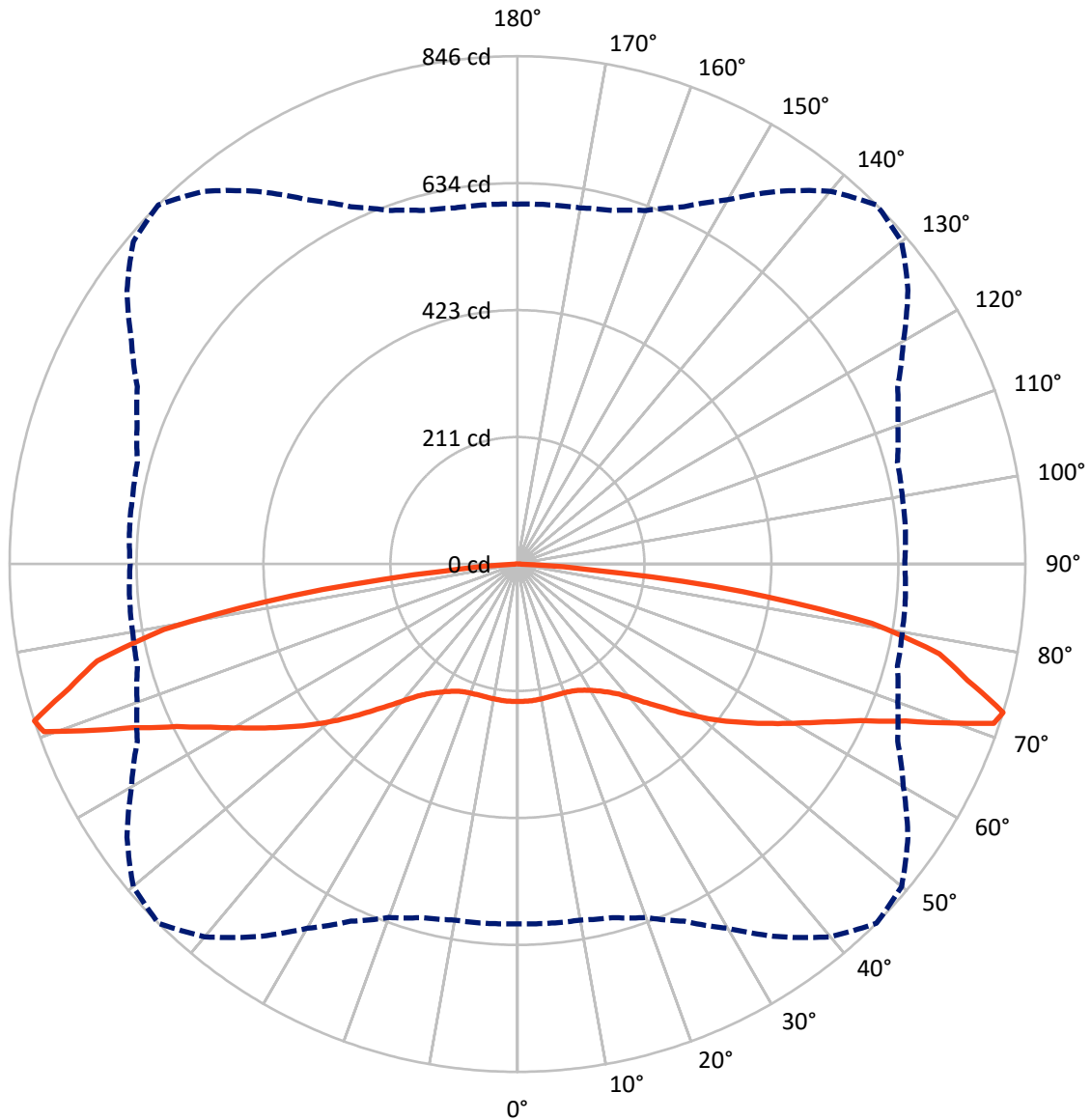
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.3 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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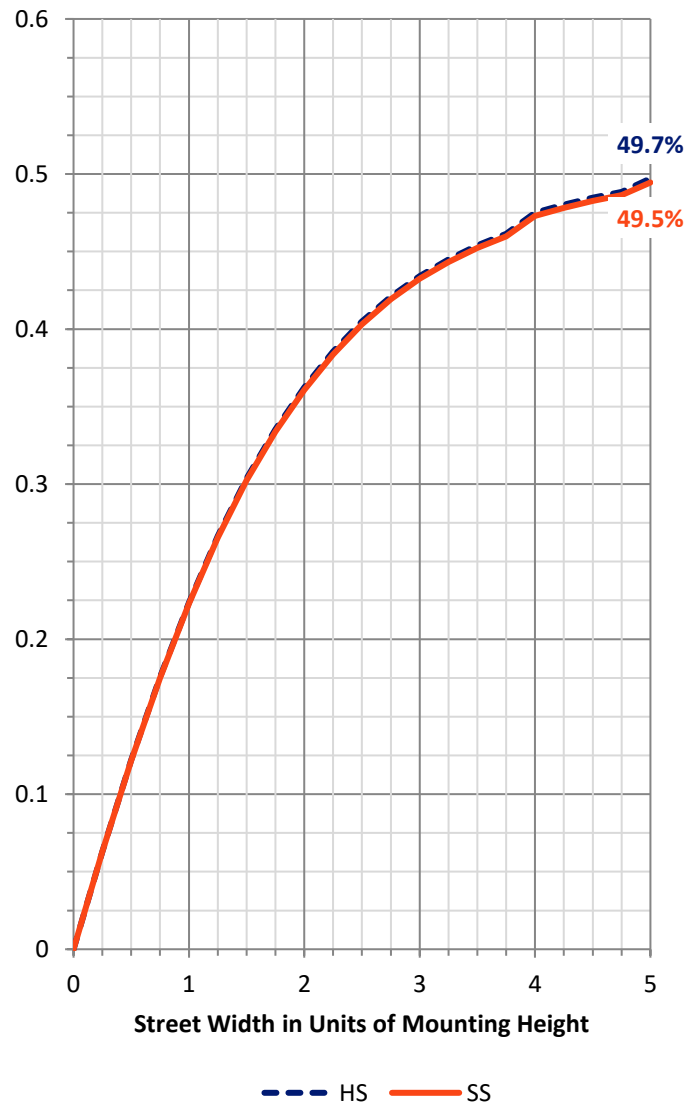
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1208.0	0.0	1208.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1208.0	0.0	1208.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2415.9	0.0	2415.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.8	0.9
10°-20°	64.5	2.7
20°-30°	108.1	4.5
30°-40°	164.7	6.8
40°-50°	263.1	10.9
50°-60°	404.5	16.7
60°-70°	588.9	24.4
70°-80°	663.4	27.5
80°-90°	136.9	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°	2415.9	100.0
0°-180°	2415.9	100.0



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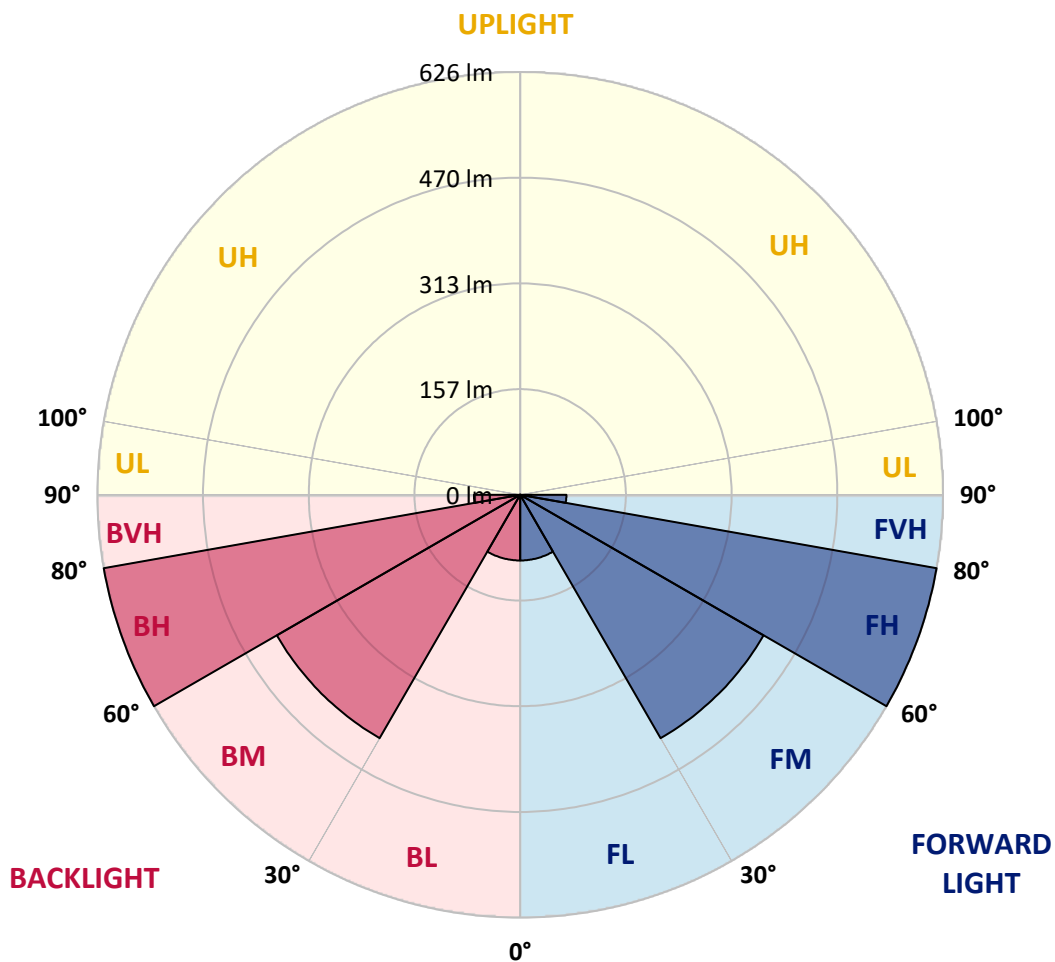
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	97.2	4.0			
FM (30°-60°)	416.1	17.2			
FH (60°-80°)	626.2	25.9			G0/660
FVH (80°-90°)	68.5	2.8			G1/100
BL (0°-30°)	97.2	4.0	B0/110		
BM (30°-60°)	416.1	17.2	B1/1000		
BH (60°-80°)	626.2	25.9	B2/1000		G0/660
BVH (80°-90°)	68.5	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°	228.9	228.9	228.9	228.9	228.9	228.9	228.9	228.9	228.9	228.9	228.9
2.5°	229.3	229.4	229.3	229.2	229.3	229.2	229.1	229.0	228.6	228.8	229.2
5°	229.2	229.2	229.1	229.0	229.0	229.2	229.0	228.8	228.8	228.9	228.7
7.5°	229.2	228.9	228.8	228.7	228.8	228.8	228.6	228.4	228.6	228.4	228.1
10°	228.8	228.6	228.6	228.4	228.5	228.4	228.2	228.0	228.1	227.9	227.6
12.5°	228.9	228.6	228.6	228.4	228.3	228.3	228.0	227.6	227.7	227.6	227.3
15°	228.9	228.7	228.6	228.4	228.3	228.2	227.8	227.7	227.7	227.5	227.1
17.5°	229.0	228.9	228.9	228.6	228.5	228.4	228.0	227.8	228.0	227.6	227.3
20°	229.4	229.3	229.4	229.2	228.9	228.9	228.6	228.4	228.5	228.4	227.8
22.5°	230.2	230.2	230.3	230.2	230.2	230.2	230.0	230.0	230.0	230.0	229.4
25°	232.4	232.2	232.4	232.4	232.4	232.9	232.7	232.6	233.0	233.0	232.4
27.5°	236.4	236.2	236.4	236.5	236.8	237.4	237.3	237.5	238.0	237.8	237.3
30°	241.0	240.9	241.2	241.6	241.9	242.8	242.4	243.4	243.8	244.2	243.8
32.5°	247.9	247.9	248.4	248.7	249.3	250.2	250.3	251.0	251.6	252.2	251.8
35°	257.0	256.9	257.3	257.8	258.4	259.3	259.6	260.6	261.5	261.9	261.1
37.5°	271.0	270.2	271.1	271.3	271.9	272.1	273.0	274.2	275.2	275.0	274.4
40°	289.8	289.7	289.4	289.0	289.9	290.2	290.2	291.9	293.4	293.2	293.1
42.5°	311.8	311.2	310.9	310.9	311.4	311.5	313.5	314.8	315.8	316.0	315.8
45°	335.5	334.9	335.0	334.8	335.0	335.8	337.0	339.3	341.3	341.4	340.3
47.5°	361.0	359.2	360.5	358.6	359.8	360.4	363.3	366.7	370.2	370.9	369.9
50°	386.8	386.6	386.5	386.1	386.7	388.0	391.6	396.9	400.3	402.6	401.1
52.5°	415.0	414.1	413.6	413.0	413.6	416.3	421.1	425.8	432.0	434.6	432.5
55°	442.5	442.2	440.6	440.5	441.7	445.9	451.2	457.0	463.6	466.5	465.8
57.5°	470.7	468.9	468.4	467.6	470.0	474.0	480.5	490.9	497.8	501.1	499.2
60°	498.3	496.9	495.8	495.6	497.2	502.8	512.2	524.7	533.2	537.5	534.5
62.5°	528.0	527.0	525.8	524.3	527.8	535.0	546.6	560.4	573.0	578.3	573.7
65°	564.8	563.0	561.6	559.8	562.6	571.6	586.2	605.6	622.6	628.8	625.4
67.5°	603.7	602.0	602.1	600.9	606.0	618.5	637.4	663.7	686.4	697.0	690.8
70°	637.6	638.5	638.8	643.4	652.1	671.1	702.6	743.9	778.2	794.4	787.8
71°	627.6	629.7	632.9	637.7	652.8	675.2	718.1	768.2	809.2	836.5	827.4
72.5°	599.2	600.5	602.1	609.5	626.5	656.2	700.4	757.6	810.3	845.7	835.1
75°	558.2	559.4	560.0	565.1	580.6	606.6	647.0	697.7	744.2	774.4	771.4
77.5°	496.2	496.5	500.9	508.8	526.2	555.9	598.5	651.1	694.9	718.3	703.4
80°	356.4	354.0	358.5	368.7	390.3	424.3	467.8	528.0	576.6	598.5	575.4
82.5°	135.6	142.9	154.5	171.4	178.6	216.5	257.1	292.5	333.3	379.0	367.6
85°	14.6	16.4	20.6	25.5	32.2	44.6	61.6	84.1	103.6	121.8	108.1
87.5°	5.4	5.6	6.2	7.2	7.2	7.6	8.1	9.4	8.8	7.6	6.1
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°	228.9	228.9	228.9	228.9	228.9	228.9	228.9	228.9
2.5°	228.9	229.0	228.9	229.0	229.0	228.7	228.8	228.6
5°	228.8	228.6	228.7	228.8	228.7	228.8	228.7	228.8
7.5°	228.5	228.2	228.3	228.3	228.2	228.4	228.2	228.2
10°	227.9	227.4	227.6	227.5	227.4	227.5	227.5	227.5
12.5°	227.3	227.0	227.0	227.0	226.9	227.1	227.0	227.2
15°	227.2	226.7	226.6	226.5	226.6	226.7	226.7	226.8
17.5°	227.1	226.4	226.4	226.2	226.3	226.6	226.6	226.5
20°	227.4	226.9	226.8	226.7	226.6	226.9	226.9	226.8
22.5°	229.2	228.6	228.5	228.0	227.8	228.0	227.9	227.9
25°	232.1	231.3	231.0	230.4	229.8	229.8	229.6	229.5
27.5°	237.2	236.0	235.8	235.2	234.5	234.6	234.3	234.2
30°	243.2	242.2	241.2	240.4	239.6	239.3	238.8	238.8
32.5°	250.9	249.8	248.7	247.7	246.6	246.1	245.4	245.0
35°	260.5	259.0	257.7	257.0	255.9	255.3	254.8	255.4
37.5°	273.8	272.0	271.4	270.6	269.8	268.9	269.1	268.9
40°	292.3	290.7	290.1	288.6	288.4	287.4	288.0	287.4
42.5°	315.2	312.2	311.7	310.6	310.2	309.6	309.8	309.4
45°	340.1	337.4	336.8	335.0	335.0	333.8	334.2	334.2
47.5°	368.0	365.2	362.8	361.5	361.0	360.2	360.6	360.6
50°	396.9	393.0	390.5	387.8	386.7	387.0	386.2	387.7
52.5°	428.0	422.2	418.5	416.0	413.8	414.3	414.4	414.9
55°	460.0	452.7	447.4	444.1	442.2	442.3	442.9	443.4
57.5°	492.3	483.2	475.9	471.1	469.8	470.4	470.4	470.4
60°	525.8	514.8	505.4	500.0	498.9	498.6	501.0	500.2
62.5°	561.8	548.5	538.9	531.9	530.3	531.4	533.6	533.2
65°	609.4	591.1	578.7	571.8	569.0	570.2	573.2	573.0
67.5°	670.9	645.3	628.9	620.1	618.0	619.4	621.0	622.6
70°	762.8	726.3	702.8	683.7	675.4	673.9	675.5	675.6
71°	795.2	753.2	715.9	692.5	679.0	673.3	673.8	670.9
72.5°	793.8	742.1	698.5	674.0	655.2	650.7	648.5	645.0
75°	740.4	693.7	655.9	629.2	611.1	605.7	601.8	601.6
77.5°	671.4	637.0	595.3	567.0	545.0	536.1	532.1	532.0
80°	539.7	488.2	457.7	440.7	414.2	406.6	398.4	395.4
82.5°	326.4	255.1	207.4	184.3	171.5	141.2	126.8	119.9
85°	76.0	54.0	37.2	24.4	17.6	14.0	10.8	9.5
87.5°	5.1	4.1	3.6	2.9	2.2	2.2	1.3	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)