

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: P180217

Luminaire Tested: **ICS-E01-LED-E1-5XQ-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180217
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-7030
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2614.4 lumens
Efficiency: N/A
Efficacy: 105.8 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 (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

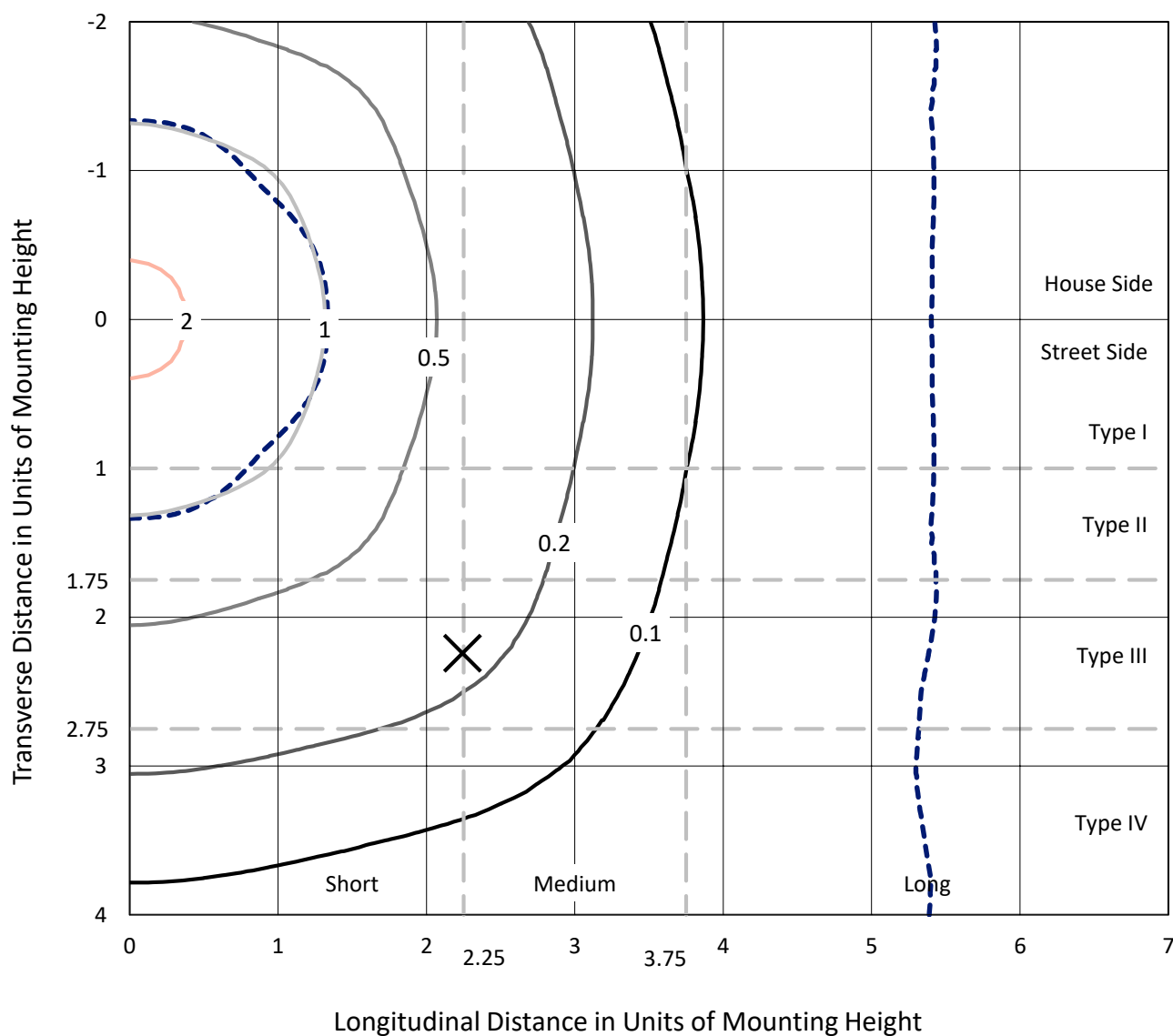


REPORT NUMBER: P180217

CATALOG NUMBER: ICS-E01-LED-E1-5XQ-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

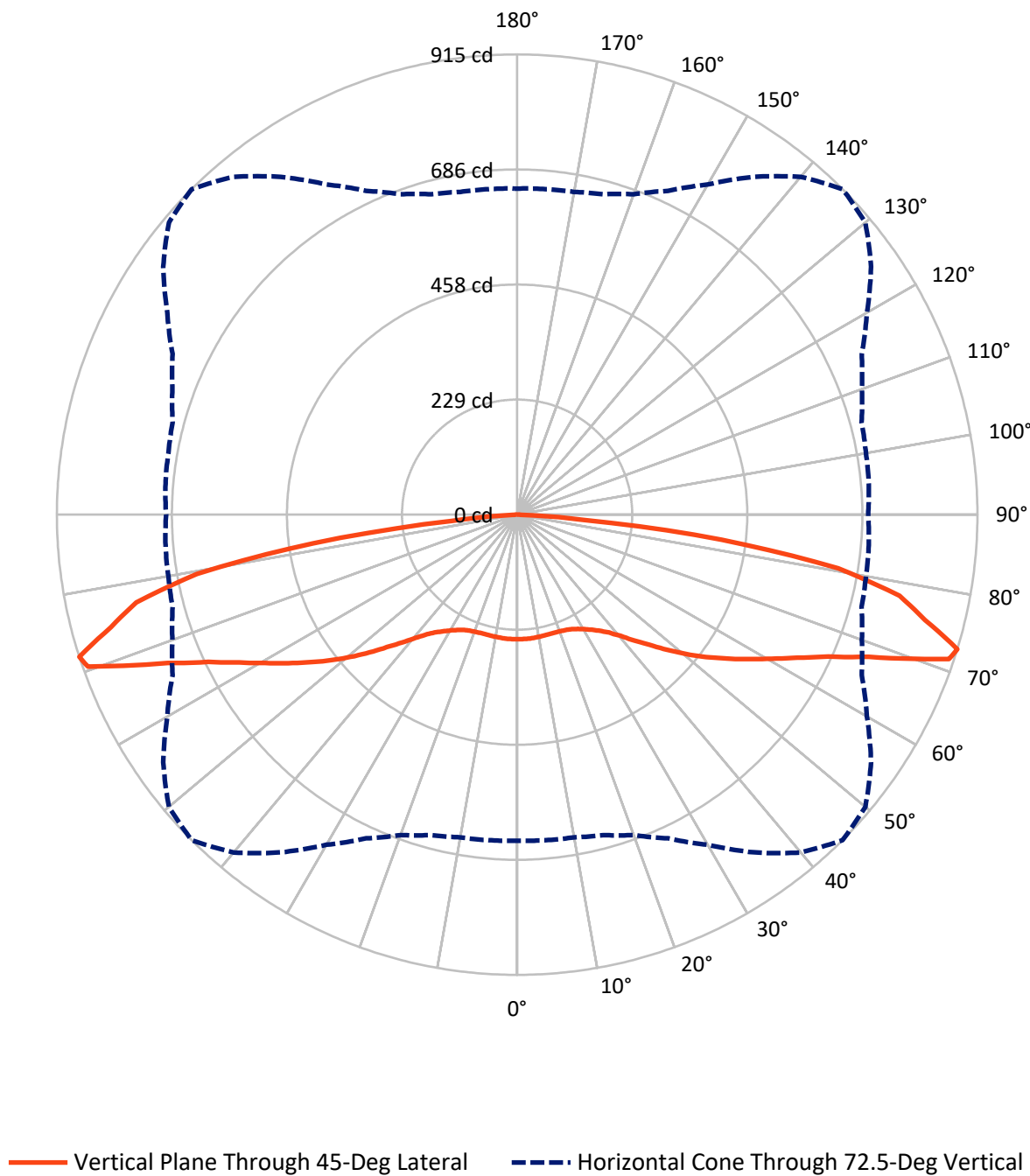


Based on 10 foot mounting height. Maximum calculated value = 2.5 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P180217

CATALOG NUMBER: ICS-E01-LED-E1-5XQ-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P180217

CATALOG NUMBER: ICS-E01-LED-E1-5XQ-7030

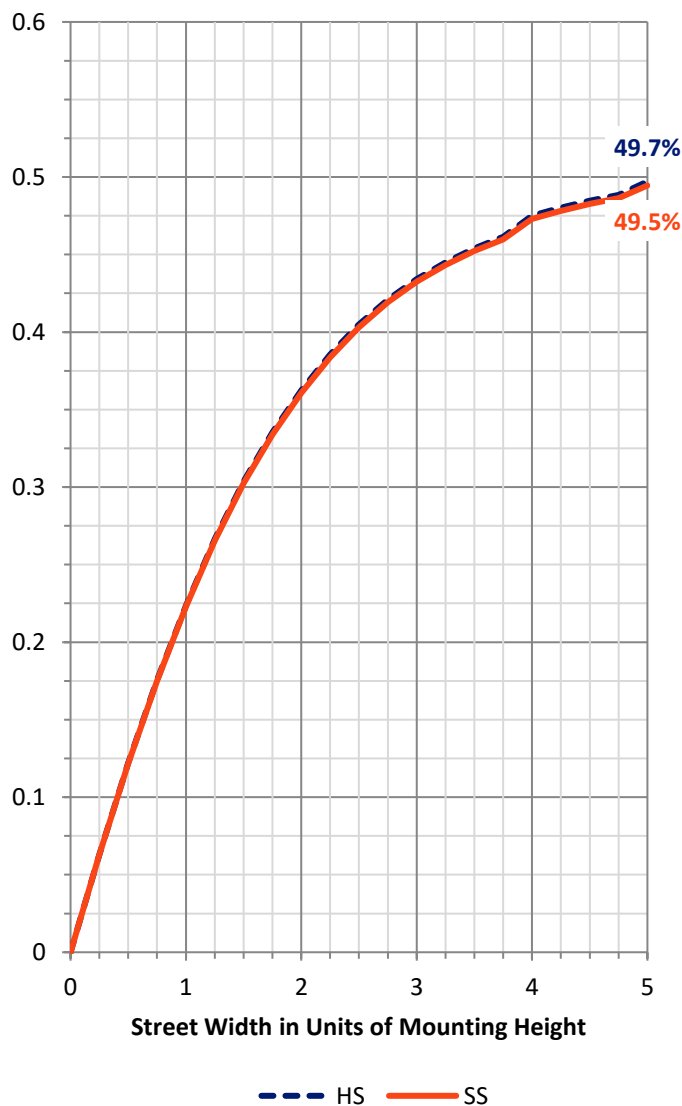
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1307.2	0.0	1307.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1307.2	0.0	1307.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	2614.4	0.0	2614.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.6	0.9
10°-20°	69.8	2.7
20°-30°	116.9	4.5
30°-40°	178.3	6.8
40°-50°	284.7	10.9
50°-60°	437.7	16.7
60°-70°	637.3	24.4
70°-80°	717.9	27.5
80°-90°	148.2	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°	2614.4	100.0
0°-180°	2614.4	100.0

Coefficient of Utilization



REPORT NUMBER: P180217

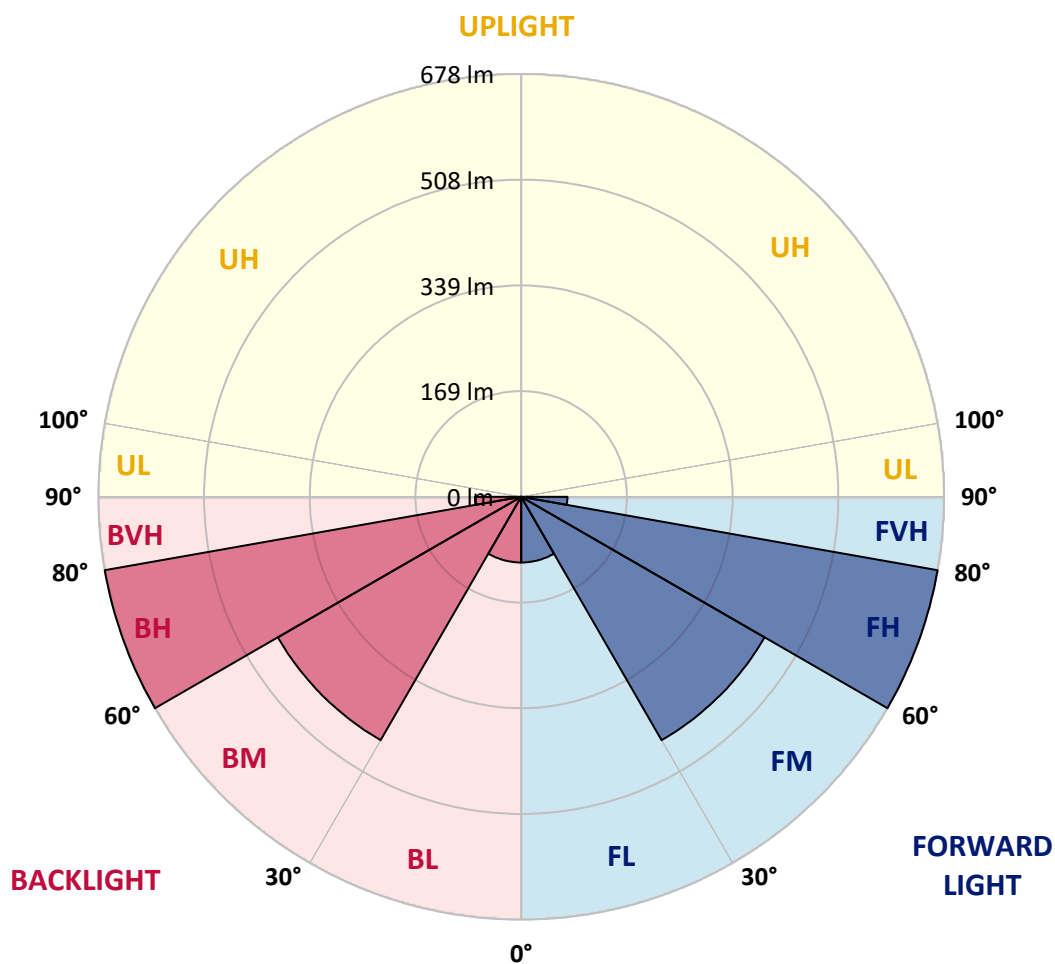
CATALOG NUMBER: ICS-E01-LED-E1-5XQ-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	105.2	4.0			
FM	(30°-60°)	450.3	17.2			
FH	(60°-80°)	677.6	25.9			G1/1800
FVH	(80°-90°)	74.1	2.8			G1/100
BL	(0°-30°)	105.2	4.0	B0/110		
BM	(30°-60°)	450.3	17.2	B1/1000		
BH	(60°-80°)	677.6	25.9	B2/1000		G1/1800
BVH	(80°-90°)	74.1	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



REPORT NUMBER: P180217

CATALOG NUMBER: ICS-E01-LED-E1-5XQ-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	247.7	247.7	247.7	247.7	247.7	247.7	247.7	247.7	247.7	247.7	247.7
2.5°	248.1	248.3	248.2	248.0	248.2	248.1	247.9	247.8	247.4	247.6	248.0
5°	248.2	248.0	247.9	247.8	247.8	248.0	247.8	247.6	247.6	247.7	247.5
7.5°	248.0	247.7	247.6	247.5	247.6	247.6	247.4	247.2	247.4	247.2	246.9
10°	247.6	247.4	247.4	247.2	247.2	247.2	246.9	246.7	246.8	246.6	246.3
12.5°	247.7	247.4	247.3	247.2	247.1	247.0	246.7	246.3	246.4	246.3	245.9
15°	247.7	247.5	247.4	247.2	247.1	247.0	246.6	246.4	246.4	246.2	245.8
17.5°	247.8	247.7	247.7	247.4	247.2	247.2	246.7	246.5	246.7	246.3	246.0
20°	248.2	248.1	248.2	248.0	247.7	247.7	247.4	247.3	247.3	247.2	246.5
22.5°	249.1	249.1	249.2	249.2	249.1	249.1	248.9	248.9	249.0	249.0	248.3
25°	251.4	251.4	251.5	251.5	251.6	252.0	251.8	251.8	252.1	252.1	251.5
27.5°	255.8	255.6	255.8	255.9	256.3	256.9	256.8	256.9	257.5	257.4	256.8
30°	260.8	260.8	261.1	261.5	261.8	262.7	262.3	263.3	263.8	264.2	263.8
32.5°	268.2	268.2	268.9	269.2	269.8	270.7	270.9	271.7	272.3	273.0	272.5
35°	278.1	278.0	278.5	279.0	279.7	280.6	280.9	282.0	283.0	283.5	282.6
37.5°	293.2	292.5	293.3	293.6	294.2	294.4	295.4	296.8	297.8	297.6	297.0
40°	313.6	313.5	313.1	312.7	313.7	314.0	314.0	315.9	317.5	317.2	317.2
42.5°	337.4	336.8	336.4	336.4	337.0	337.1	339.2	340.6	341.8	342.1	341.8
45°	363.1	362.5	362.6	362.3	362.5	363.4	364.6	367.2	369.4	369.4	368.3
47.5°	390.6	388.7	390.2	388.1	389.4	390.0	393.2	396.8	400.7	401.4	400.4
50°	418.6	418.4	418.2	417.8	418.4	419.9	423.7	429.6	433.2	435.7	434.0
52.5°	449.1	448.1	447.6	447.0	447.5	450.5	455.8	460.8	467.5	470.3	468.0
55°	478.8	478.5	476.7	476.7	478.0	482.5	488.3	494.5	501.8	504.9	504.1
57.5°	509.4	507.4	506.8	506.0	508.7	513.0	520.0	531.2	538.7	542.2	540.2
60°	539.2	537.8	536.6	536.3	538.1	544.2	554.3	567.8	577.0	581.6	578.4
62.5°	571.4	570.4	569.0	567.4	571.2	578.9	591.5	606.5	620.1	625.9	620.8
65°	611.2	609.2	607.7	605.7	608.8	618.5	634.4	655.4	673.7	680.4	676.8
67.5°	653.2	651.4	651.6	650.3	655.8	669.3	689.7	718.2	742.8	754.2	747.5
70°	690.0	691.0	691.3	696.3	705.8	726.3	760.3	805.0	842.2	859.7	852.5
71°	679.2	681.4	684.9	690.1	706.4	730.7	777.2	831.3	875.7	905.3	895.4
72.5°	648.4	649.8	651.6	659.6	678.0	710.2	758.0	819.8	876.9	915.2	903.7
75°	604.0	605.4	606.0	611.6	628.3	656.4	700.1	755.1	805.4	838.0	834.8
77.5°	537.1	537.3	542.1	550.6	569.5	601.6	647.6	704.6	752.0	777.3	761.2
80°	385.7	383.1	388.0	399.0	422.4	459.2	506.3	571.4	624.0	647.6	622.7
82.5°	146.8	154.7	167.2	185.5	193.3	234.3	278.2	316.5	360.7	410.2	397.8
85°	15.8	17.8	22.2	27.6	34.9	48.2	66.6	91.0	112.2	131.8	117.0
87.5°	5.9	6.0	6.7	7.8	7.9	8.2	8.8	10.2	9.5	8.2	6.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P180217

CATALOG NUMBER: ICS-E01-LED-E1-5XQ-7030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	247.7	247.7	247.7	247.7	247.7	247.7	247.7	247.7
2.5°	247.7	247.8	247.7	247.8	247.8	247.5	247.6	247.4
5°	247.6	247.4	247.5	247.6	247.5	247.6	247.4	247.6
7.5°	247.3	246.9	247.0	247.0	246.9	247.1	247.0	246.9
10°	246.6	246.1	246.4	246.2	246.1	246.2	246.2	246.2
12.5°	246.0	245.6	245.7	245.7	245.6	245.8	245.7	245.8
15°	245.8	245.3	245.2	245.1	245.2	245.3	245.3	245.6
17.5°	245.7	245.0	245.0	244.8	244.9	245.2	245.2	245.1
20°	246.1	245.6	245.4	245.3	245.2	245.6	245.5	245.6
22.5°	248.0	247.4	247.3	246.8	246.6	246.8	246.6	246.6
25°	251.2	250.3	250.0	249.3	248.8	248.7	248.6	248.4
27.5°	256.7	255.4	255.2	254.6	253.8	253.9	253.6	253.4
30°	263.2	262.0	261.1	260.2	259.3	259.0	258.4	258.4
32.5°	271.5	270.3	269.2	268.0	266.8	266.4	265.5	265.1
35°	281.9	280.2	278.9	278.1	276.9	276.3	275.7	276.4
37.5°	296.4	294.4	293.7	292.8	292.0	291.0	291.2	291.0
40°	316.4	314.6	313.9	312.3	312.1	311.0	311.7	311.0
42.5°	341.1	337.8	337.3	336.0	335.6	335.0	335.3	334.8
45°	368.0	365.0	364.5	362.5	362.6	361.2	361.7	361.7
47.5°	398.3	395.2	392.7	391.2	390.7	389.8	390.3	390.2
50°	429.5	425.4	422.5	419.7	418.5	418.8	417.9	419.5
52.5°	463.1	456.8	452.8	450.2	447.9	448.4	448.5	449.0
55°	497.8	489.9	484.1	480.6	478.5	478.6	479.2	479.8
57.5°	532.8	522.8	515.0	509.8	508.4	509.0	509.0	509.0
60°	569.0	557.1	547.0	541.1	539.9	539.6	542.2	541.4
62.5°	607.9	593.6	583.2	575.6	573.9	575.1	577.5	577.0
65°	659.5	639.7	626.2	618.8	615.8	617.0	620.2	620.1
67.5°	726.0	698.4	680.6	671.0	668.8	670.3	672.1	673.8
70°	825.5	786.0	760.6	739.8	731.0	729.2	731.0	731.1
71°	860.5	815.1	774.7	749.4	734.8	728.6	729.1	726.0
72.5°	859.1	803.1	755.9	729.4	709.1	704.2	701.8	698.0
75°	801.2	750.8	709.8	680.9	661.3	655.6	651.3	651.0
77.5°	726.6	689.4	644.2	613.6	589.8	580.2	575.8	575.7
80°	584.1	528.4	495.4	476.9	448.2	440.0	431.2	427.9
82.5°	353.2	276.0	224.4	199.4	185.6	152.8	137.2	129.8
85°	82.3	58.4	40.3	26.4	19.0	15.2	11.6	10.2
87.5°	5.6	4.4	3.9	3.1	2.4	2.3	1.4	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)