

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: P180162

Luminaire Tested: **ICM-F01-LED-E1-5XQ-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180162
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: ICM-F01-LED-E1-5XQ-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2230.7 lumens
Efficiency: N/A
Efficacy: 86.1 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

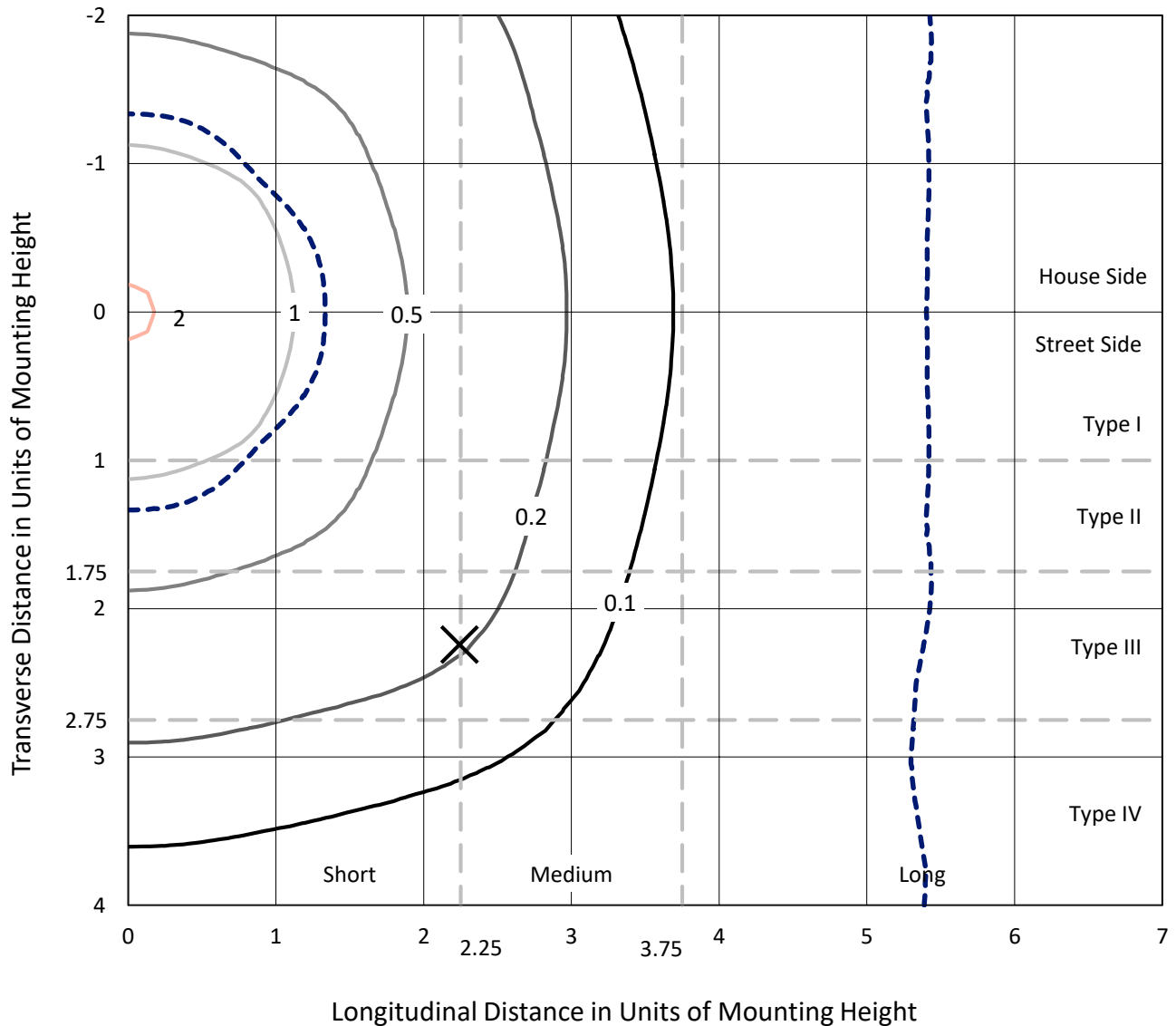
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

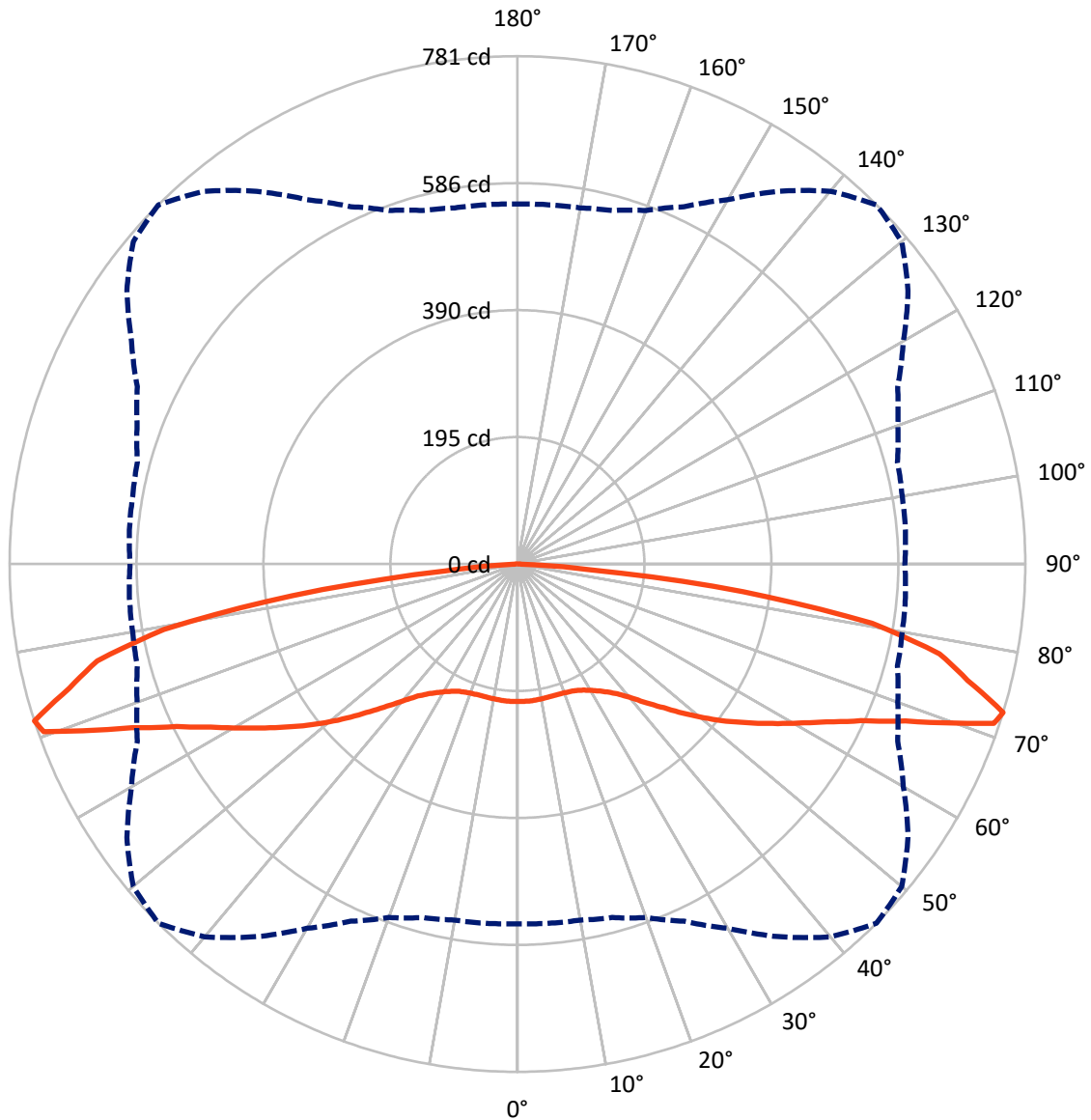
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.1 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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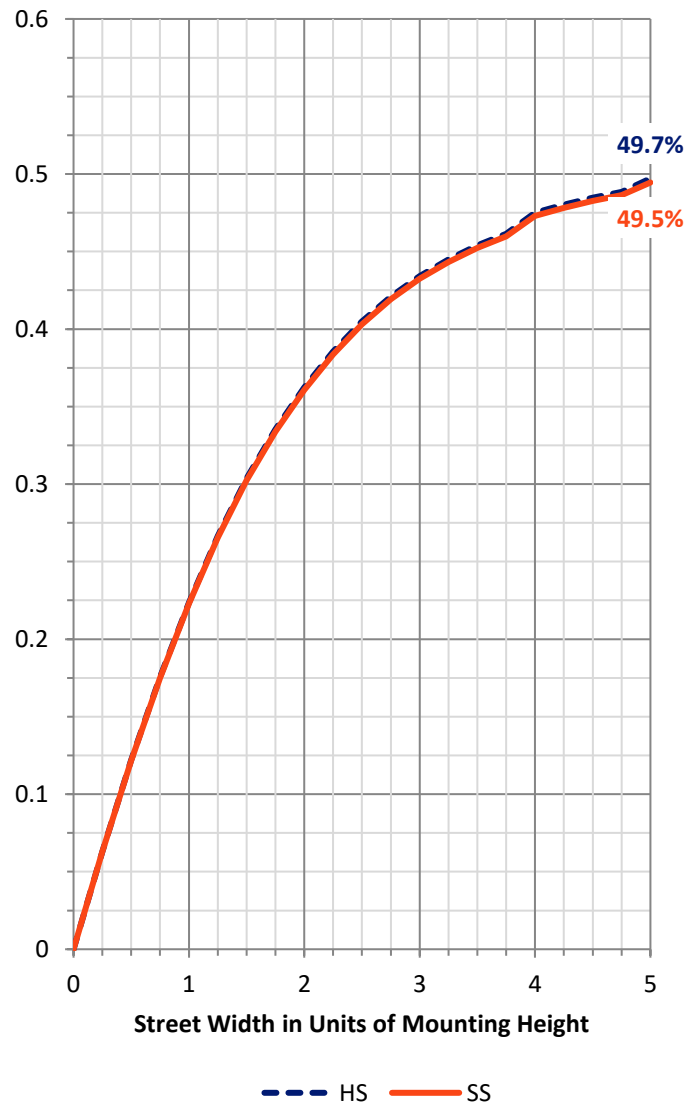
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1115.3	0.0	1115.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1115.3	0.0	1115.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	2230.7	0.0	2230.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.1	0.9
10°-20°	59.6	2.7
20°-30°	99.8	4.5
30°-40°	152.1	6.8
40°-50°	242.9	10.9
50°-60°	373.5	16.7
60°-70°	543.8	24.4
70°-80°	612.5	27.5
80°-90°	126.4	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°	2230.7	100.0
0°-180°	2230.7	100.0



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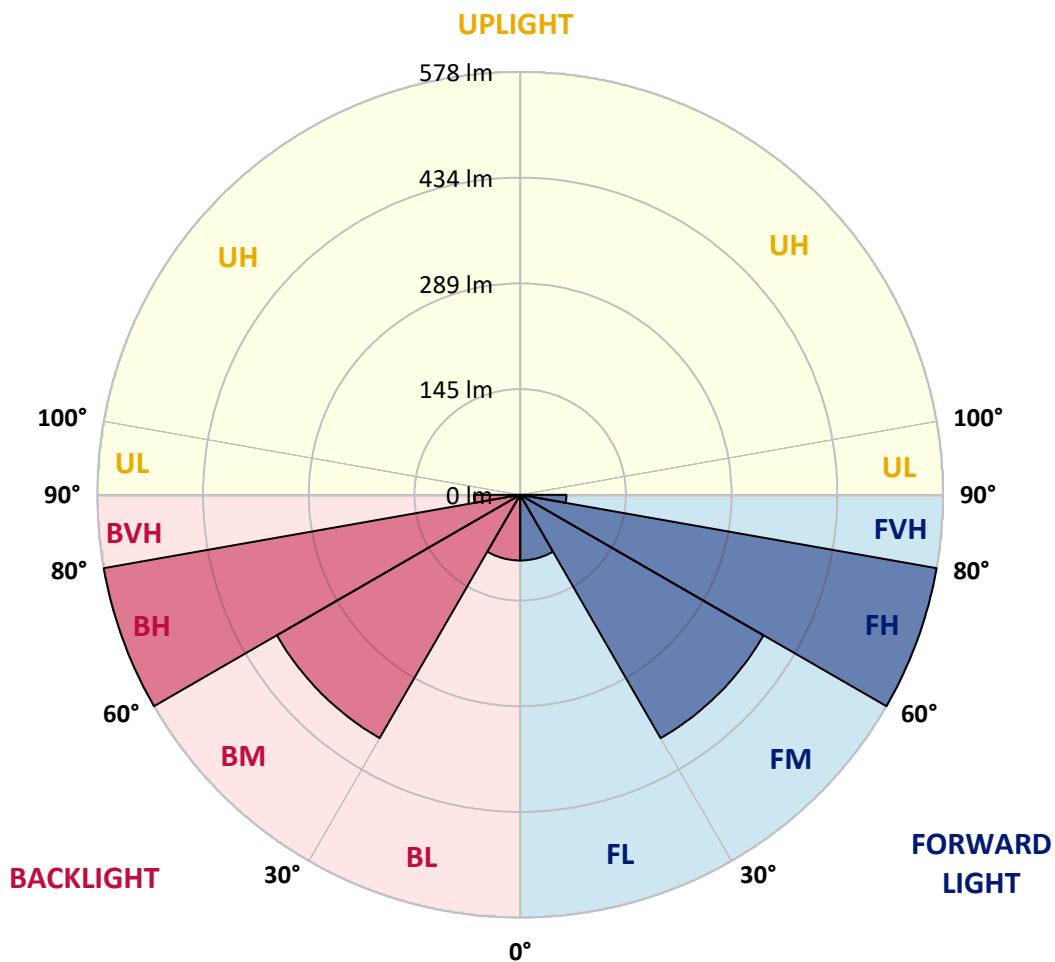
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	89.8	4.0			
FM (30°-60°)	384.2	17.2			
FH (60°-80°)	578.1	25.9			G0/660
FVH (80°-90°)	63.2	2.8			G1/100
BL (0°-30°)	89.8	4.0	B0/110		
BM (30°-60°)	384.2	17.2	B1/1000		
BH (60°-80°)	578.1	25.9	B2/1000		G0/660
BVH (80°-90°)	63.2	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°	211.4	211.4	211.4	211.4	211.4	211.4	211.4	211.4	211.4	211.4	211.4
2.5°	211.7	211.8	211.7	211.6	211.7	211.6	211.5	211.4	211.1	211.4	211.6
5°	211.7	211.5	211.5	211.4	211.4	211.6	211.5	211.4	211.2	211.4	211.2
7.5°	211.5	211.4	211.3	211.2	211.2	211.4	211.2	210.9	211.1	210.9	210.6
10°	211.3	211.1	211.2	210.9	211.0	210.9	210.6	210.5	210.6	210.4	210.1
12.5°	211.4	211.1	211.0	210.9	210.8	210.8	210.4	210.2	210.2	210.1	209.9
15°	211.4	211.2	211.2	210.9	210.8	210.7	210.4	210.2	210.2	210.0	209.7
17.5°	211.4	211.4	211.4	211.1	211.0	210.9	210.4	210.2	210.4	210.1	209.9
20°	211.8	211.7	211.7	211.5	211.4	211.4	211.1	211.0	211.0	211.0	210.3
22.5°	212.5	212.5	212.7	212.6	212.5	212.6	212.4	212.3	212.4	212.5	211.9
25°	214.5	214.4	214.5	214.6	214.6	215.1	214.9	214.8	215.1	215.1	214.6
27.5°	218.2	218.1	218.2	218.4	218.6	219.2	219.1	219.3	219.7	219.5	219.2
30°	222.5	222.4	222.7	223.1	223.4	224.2	223.8	224.7	225.1	225.5	225.1
32.5°	228.8	228.8	229.4	229.6	230.1	231.0	231.1	231.8	232.4	232.9	232.6
35°	237.3	237.2	237.6	238.0	238.7	239.4	239.6	240.6	241.4	241.9	241.1
37.5°	250.2	249.5	250.3	250.5	251.1	251.2	252.0	253.2	254.1	254.0	253.4
40°	267.5	267.4	267.2	266.8	267.6	267.9	267.9	269.5	270.9	270.7	270.6
42.5°	287.9	287.4	287.1	287.1	287.5	287.6	289.4	290.6	291.6	291.8	291.6
45°	309.8	309.2	309.4	309.1	309.3	310.0	311.2	313.3	315.2	315.3	314.2
47.5°	333.3	331.6	332.9	331.2	332.3	332.8	335.4	338.6	341.9	342.4	341.6
50°	357.2	356.9	356.8	356.5	357.0	358.3	361.5	366.5	369.7	371.7	370.3
52.5°	383.3	382.3	381.9	381.3	381.9	384.4	388.8	393.2	398.9	401.2	399.3
55°	408.6	408.3	406.7	406.7	407.8	411.7	416.7	422.0	428.1	430.8	430.0
57.5°	434.6	432.9	432.5	431.8	434.0	437.7	443.7	453.2	459.6	462.7	460.9
60°	460.1	458.8	457.9	457.6	459.2	464.3	472.9	484.5	492.3	496.3	493.5
62.5°	487.4	486.6	485.5	484.1	487.4	494.0	504.7	517.4	529.1	534.0	529.7
65°	521.5	519.8	518.5	516.8	519.4	527.7	541.2	559.3	574.8	580.6	577.5
67.5°	557.4	555.8	555.9	554.9	559.5	571.1	588.5	612.8	633.8	643.5	637.8
70°	588.7	589.6	589.8	594.1	602.1	619.7	648.7	686.8	718.6	733.5	727.3
71°	579.5	581.4	584.4	588.7	602.7	623.4	663.1	709.3	747.2	772.4	763.9
72.5°	553.3	554.4	555.9	562.7	578.4	606.0	646.7	699.5	748.3	780.8	771.1
75°	515.4	516.6	517.0	521.8	536.1	560.0	597.4	644.3	687.2	715.0	712.3
77.5°	458.2	458.4	462.5	469.9	485.9	513.3	552.6	601.2	641.6	663.3	649.5
80°	329.1	326.9	331.1	340.5	360.4	391.8	432.0	487.5	532.4	552.6	531.4
82.5°	125.2	132.0	142.7	158.2	164.9	199.9	237.4	270.0	307.8	350.0	339.4
85°	13.4	15.1	19.0	23.5	29.8	41.1	56.9	77.6	95.6	112.5	99.8
87.5°	5.0	5.2	5.8	6.6	6.7	7.0	7.5	8.7	8.1	7.0	5.7
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°	211.4	211.4	211.4	211.4	211.4	211.4	211.4	211.4
2.5°	211.4	211.4	211.4	211.4	211.4	211.2	211.3	211.2
5°	211.4	211.2	211.2	211.3	211.2	211.3	211.2	211.3
7.5°	211.0	210.6	210.8	210.8	210.6	210.8	210.7	210.6
10°	210.4	210.0	210.2	210.0	210.0	210.0	210.0	210.0
12.5°	209.9	209.6	209.7	209.6	209.5	209.7	209.7	209.7
15°	209.8	209.3	209.2	209.1	209.2	209.3	209.3	209.5
17.5°	209.7	209.1	209.0	208.9	208.9	209.1	209.2	209.1
20°	210.0	209.5	209.4	209.3	209.2	209.5	209.5	209.5
22.5°	211.6	211.1	211.0	210.5	210.4	210.5	210.4	210.4
25°	214.3	213.6	213.4	212.7	212.2	212.3	212.1	211.9
27.5°	219.0	218.0	217.7	217.2	216.6	216.7	216.4	216.2
30°	224.5	223.5	222.8	222.0	221.2	220.9	220.5	220.5
32.5°	231.7	230.7	229.7	228.7	227.7	227.3	226.6	226.2
35°	240.6	239.1	238.0	237.3	236.3	235.7	235.3	235.8
37.5°	252.8	251.2	250.6	249.9	249.1	248.3	248.5	248.4
40°	270.0	268.4	267.8	266.4	266.3	265.3	266.0	265.3
42.5°	291.0	288.2	287.8	286.7	286.4	285.9	286.0	285.8
45°	314.0	311.4	311.0	309.3	309.3	308.1	308.7	308.7
47.5°	339.8	337.2	335.1	333.8	333.3	332.6	333.0	332.8
50°	366.5	363.0	360.6	358.1	357.0	357.4	356.6	358.0
52.5°	395.2	389.8	386.4	384.1	382.1	382.5	382.7	383.1
55°	424.7	418.0	413.0	410.0	408.3	408.4	408.9	409.4
57.5°	454.5	446.1	439.4	435.0	433.9	434.3	434.3	434.2
60°	485.5	475.4	466.7	461.7	460.7	460.4	462.6	461.9
62.5°	518.7	506.4	497.6	491.2	489.6	490.6	492.7	492.3
65°	562.7	545.9	534.3	528.0	525.4	526.4	529.2	529.1
67.5°	619.4	595.8	580.7	572.5	570.6	571.9	573.4	575.0
70°	704.3	670.6	648.9	631.3	623.6	622.1	623.7	623.8
71°	734.2	695.4	661.0	639.4	627.0	621.7	622.1	619.4
72.5°	733.0	685.2	644.9	622.3	605.0	600.7	598.8	595.6
75°	683.5	640.6	605.6	580.9	564.3	559.3	555.7	555.5
77.5°	619.9	588.2	549.7	523.5	503.3	495.0	491.4	491.2
80°	498.3	450.8	422.7	406.9	382.5	375.4	367.9	365.1
82.5°	301.4	235.5	191.4	170.1	158.3	130.4	117.0	110.7
85°	70.2	49.9	34.3	22.5	16.3	12.9	10.0	8.7
87.5°	4.7	3.7	3.3	2.7	2.0	2.0	1.2	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)