

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: P180023

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180023
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33674)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-F01-LED-E1-5MQ
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (7) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2395.3 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

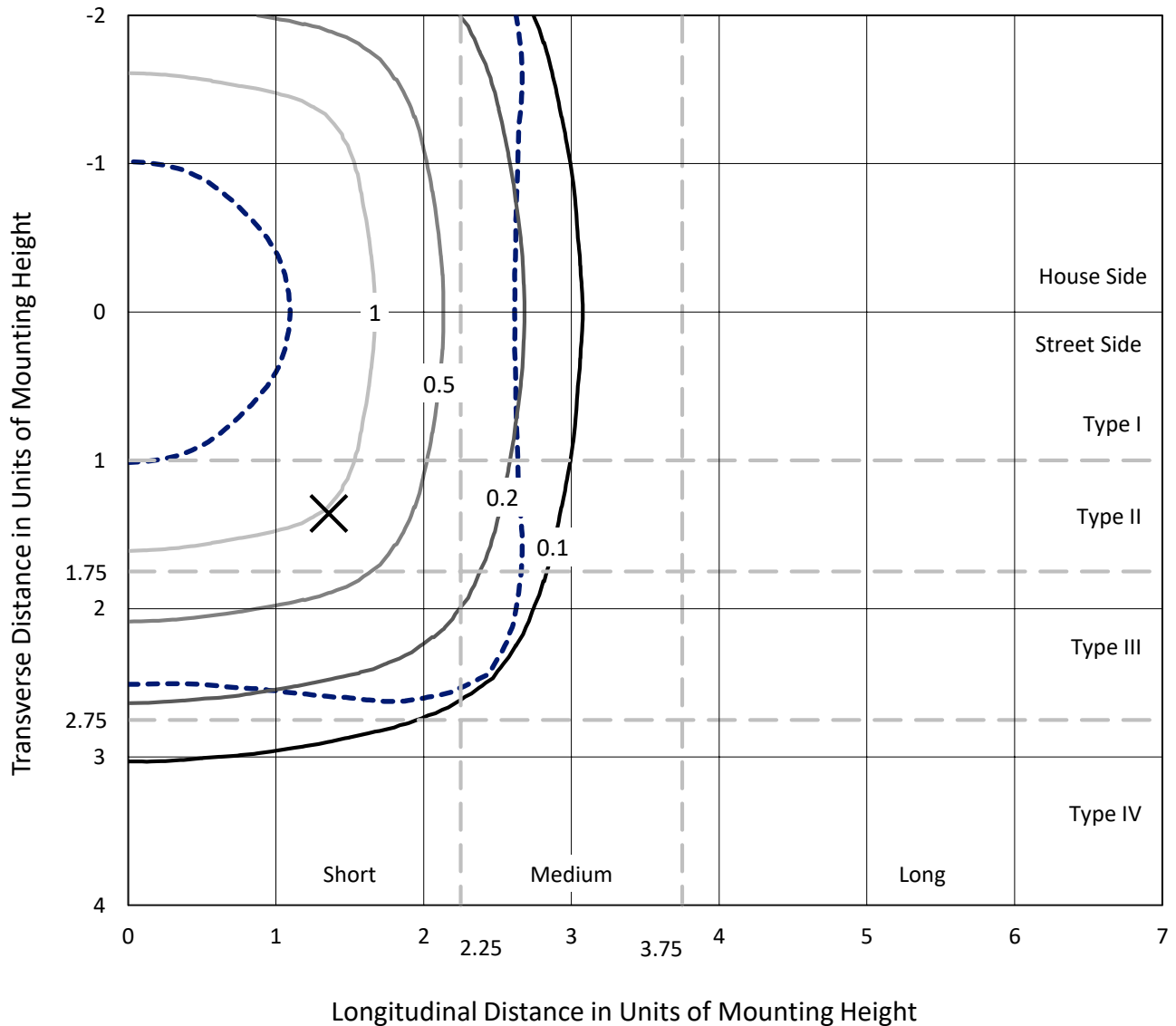
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P180023
 CATALOG NUMBER: ICS-F01-LED-E1-5MQ

Iso-Footcandle Lines of Horizontal Illumination

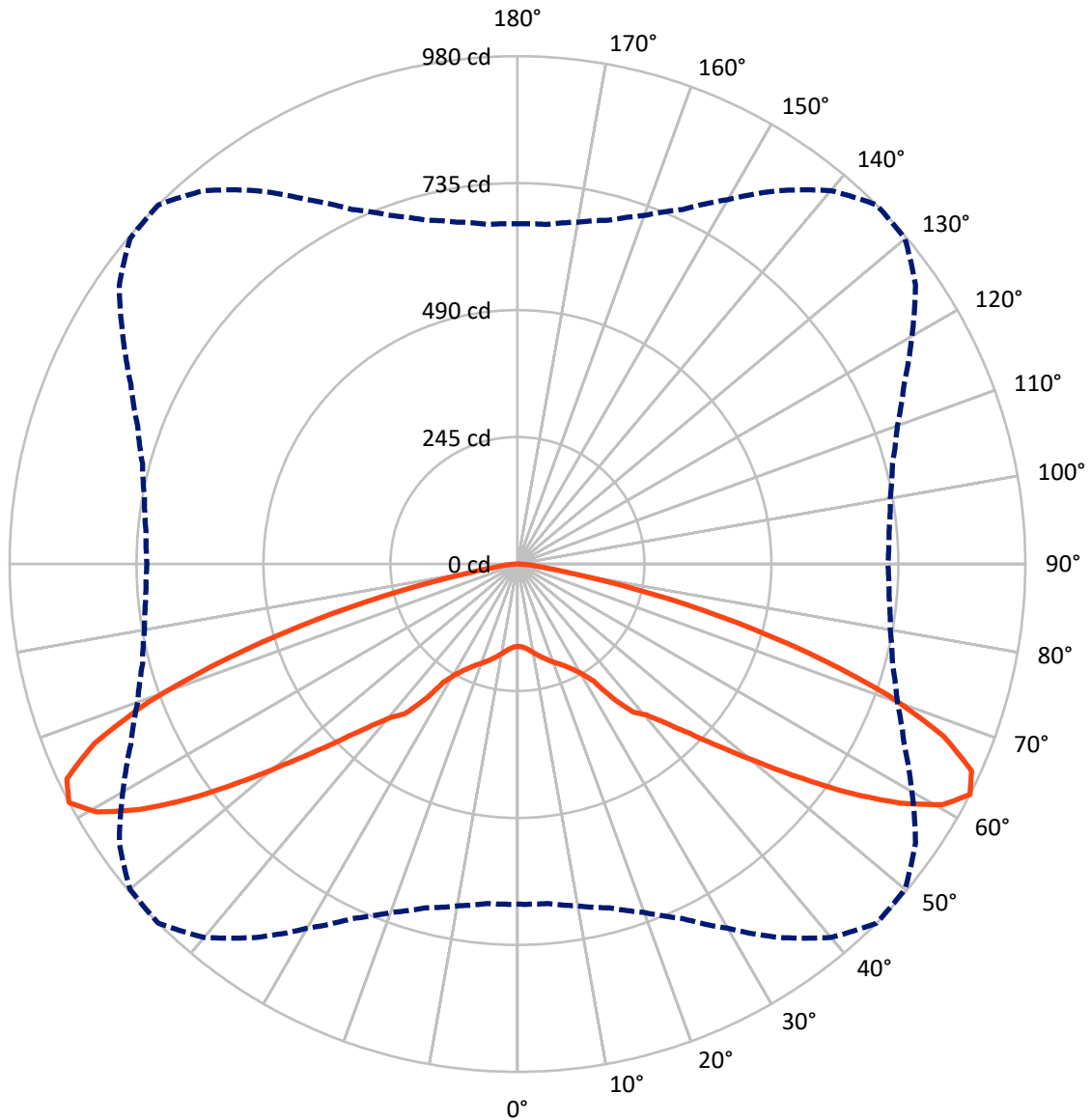
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.8 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P180023
CATALOG NUMBER: ICS-F01-LED-E1-5MQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P180023

CATALOG NUMBER: ICS-F01-LED-E1-5MQ

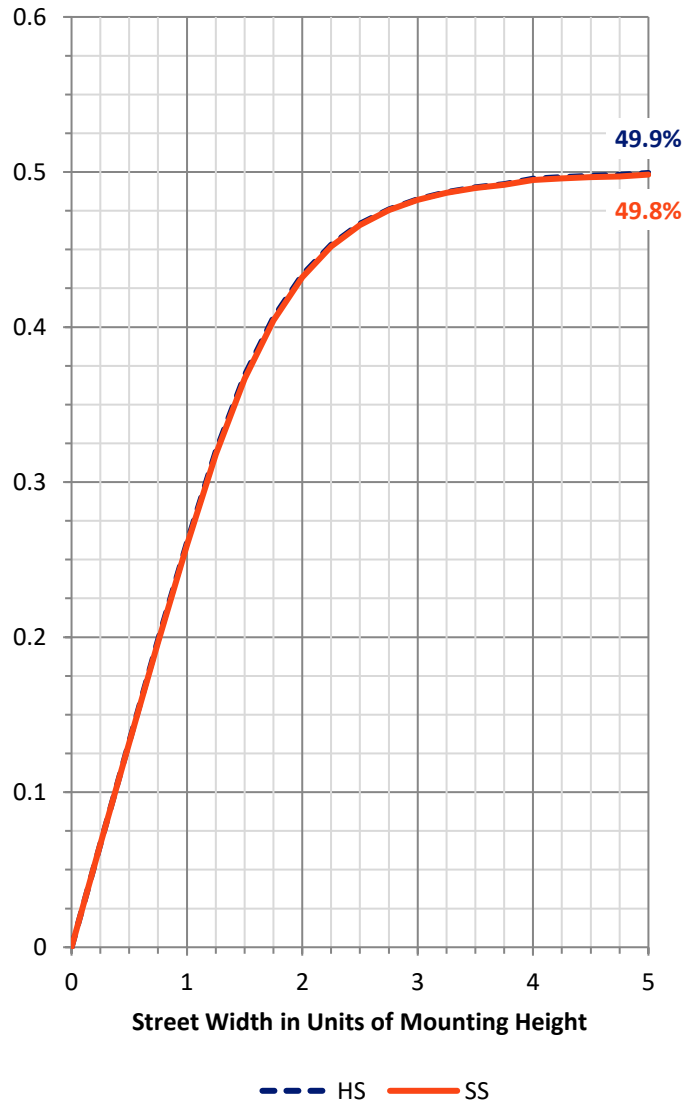
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1197.7	0.0	1197.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1197.7	0.0	1197.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	2395.3	0.0	2395.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.9	0.7
10°-20°	53.9	2.2
20°-30°	104.1	4.3
30°-40°	201.6	8.4
40°-50°	364.1	15.2
50°-60°	633.1	26.4
60°-70°	718.7	30.0
70°-80°	278.7	11.6
80°-90°	25.1	1.0
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°	2395.3	100.0
0°-180°	2395.3	100.0



REPORT NUMBER: P180023

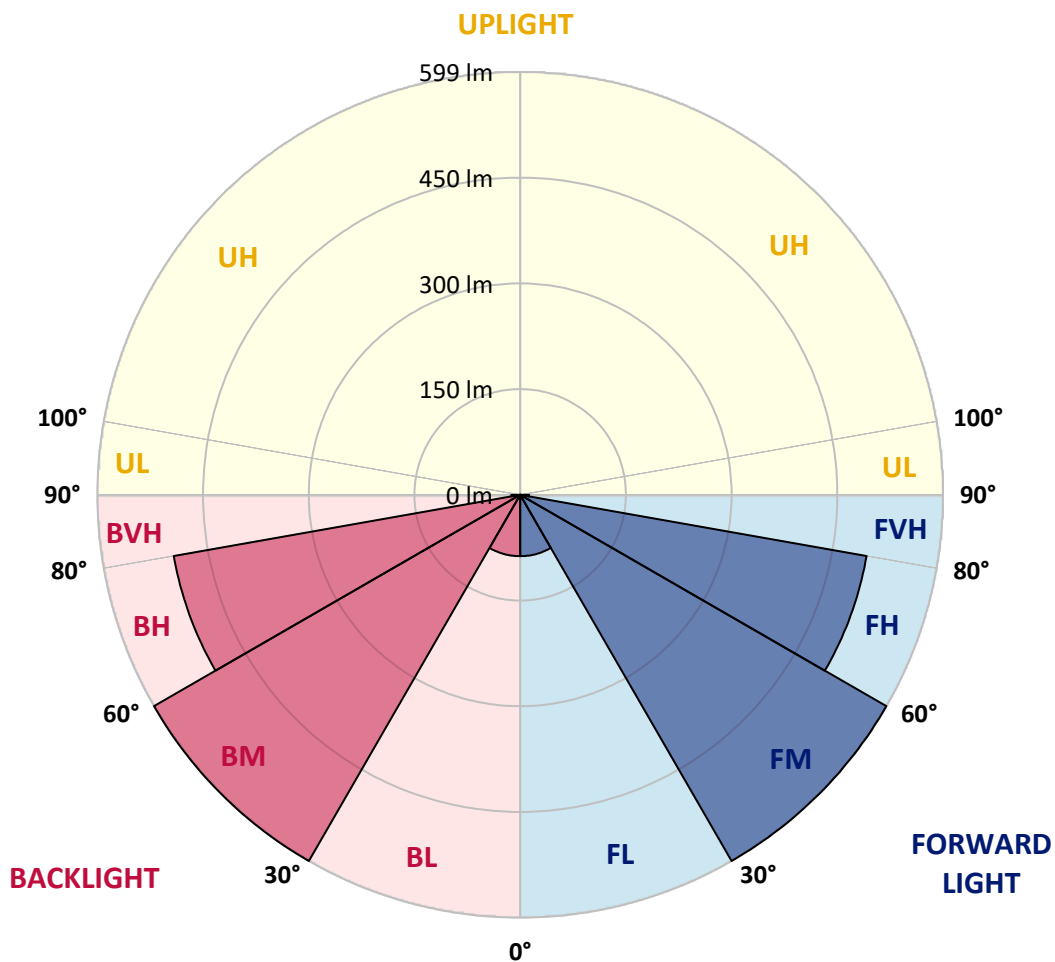
CATALOG NUMBER: ICS-F01-LED-E1-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	87.0	3.6			
FM (30°-60°)	599.4	25.0			
FH (60°-80°)	498.7	20.8			G0/660
FVH (80°-90°)	12.6	0.5			G1/100
BL (0°-30°)	87.0	3.6	B0/110		
BM (30°-60°)	599.4	25.0	B1/1000		
BH (60°-80°)	498.7	20.8	B1/500		G0/660
BVH (80°-90°)	12.6	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type V Short





REPORT NUMBER: P180023

CATALOG NUMBER: ICS-F01-LED-E1-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	159.0	159.0	159.0	159.0	159.0	159.0	159.0	159.0	159.0	159.0	159.0
2.5°	160.0	160.5	160.4	160.1	160.1	160.1	160.0	159.6	159.5	159.8	160.0
5°	163.7	163.7	163.7	163.7	163.4	163.4	163.2	163.0	163.0	162.9	162.7
7.5°	169.4	169.0	169.0	168.9	169.0	168.7	168.3	167.8	168.0	167.8	167.6
10°	176.1	176.2	175.8	176.2	175.6	175.4	175.0	174.8	174.6	174.2	174.2
12.5°	184.2	183.8	183.8	183.6	183.3	183.0	182.3	182.1	181.6	181.4	181.0
15°	191.7	191.6	191.1	190.6	190.4	190.2	189.4	188.8	188.8	188.1	187.6
17.5°	199.2	199.0	198.4	198.1	197.6	197.2	196.6	195.8	195.4	195.2	194.6
20°	207.3	207.0	206.4	206.0	205.4	204.8	203.7	203.1	202.8	202.4	201.8
22.5°	217.3	216.8	215.8	215.0	213.6	213.1	211.6	210.8	210.2	209.6	209.4
25°	228.2	228.4	227.0	225.8	224.2	222.9	221.0	220.0	219.4	219.0	218.8
27.5°	241.8	242.0	240.7	239.2	236.6	235.2	232.6	231.4	231.0	230.6	230.4
30°	263.4	262.3	260.2	257.6	255.4	252.1	248.6	247.3	246.0	245.7	245.6
32.5°	303.0	302.4	300.7	294.2	291.2	284.6	278.2	274.6	270.6	268.6	267.4
35°	330.8	330.5	329.2	327.0	325.0	323.7	320.0	319.4	318.6	318.6	319.6
37.5°	351.2	349.7	349.4	349.8	349.4	349.5	352.6	356.6	360.2	361.8	361.6
40°	381.4	379.3	380.5	379.7	378.5	378.3	379.3	381.0	382.5	382.6	382.2
42.5°	420.9	421.9	422.4	418.8	416.4	415.8	418.2	417.7	419.3	418.7	417.1
45°	479.6	479.0	478.2	473.8	470.0	467.1	467.7	466.8	467.0	466.0	464.8
47.5°	538.8	541.0	537.3	535.2	531.0	528.9	530.7	529.2	532.0	526.8	524.4
50°	596.2	597.8	596.6	593.6	593.6	596.5	598.6	601.3	605.3	599.4	590.4
52.5°	643.3	644.6	646.4	648.9	655.0	661.2	670.2	679.8	687.2	686.2	676.0
55°	672.0	673.6	676.6	685.2	696.1	712.6	732.8	755.0	772.4	780.8	773.4
57.5°	681.8	682.8	691.2	701.5	718.5	743.2	776.9	815.2	848.6	869.7	866.4
60°	679.5	679.5	688.0	702.2	725.9	758.6	806.4	859.4	910.4	942.1	937.4
62.5°	656.1	657.4	669.6	686.6	715.2	754.4	811.4	879.1	940.2	979.5	975.7
65°	604.8	605.7	618.9	639.1	671.2	717.5	779.8	854.8	924.8	962.7	955.6
67.5°	522.0	522.8	533.6	556.4	590.4	638.8	705.9	788.6	857.0	887.0	865.5
70°	415.2	417.7	424.6	448.8	474.6	522.0	583.9	666.5	731.2	759.5	735.7
72.5°	283.0	289.3	297.7	319.2	343.8	383.2	432.4	502.0	553.9	586.8	565.6
75°	159.4	168.3	170.9	187.2	207.4	238.5	274.5	324.4	376.8	403.5	378.0
77.5°	68.8	76.1	79.4	87.0	102.8	115.8	137.7	171.4	211.9	230.6	200.0
80°	34.0	35.6	37.0	39.4	43.8	48.0	58.4	73.2	89.8	94.0	74.8
82.5°	26.2	27.5	29.8	31.7	32.8	33.9	34.9	36.9	38.5	39.3	37.2
85°	18.4	20.0	22.6	24.8	26.0	26.8	27.8	28.4	26.9	24.5	25.8
87.5°	4.8	6.3	8.8	9.6	10.8	11.4	11.1	11.5	10.4	7.6	8.4
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: P180023

CATALOG NUMBER: ICS-F01-LED-E1-5MQ

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	159.0	159.0	159.0	159.0	159.0	159.0	159.0	159.0
2.5°	159.9	159.8	159.9	159.8	159.8	159.8	159.8	159.7
5°	162.8	162.8	162.9	162.6	162.6	162.7	162.6	162.5
7.5°	167.6	167.4	167.4	167.3	167.4	167.3	167.3	167.2
10°	174.0	173.8	173.9	173.5	173.5	173.4	173.4	173.4
12.5°	181.0	180.6	180.7	180.3	179.7	179.8	179.9	179.8
15°	187.6	187.2	186.8	186.6	186.2	186.4	186.4	186.2
17.5°	194.4	193.6	193.5	193.2	193.0	193.1	193.0	193.2
20°	201.4	201.0	200.9	200.5	200.4	200.8	200.9	200.6
22.5°	209.0	208.8	209.0	208.8	209.2	209.4	209.5	209.3
25°	218.6	218.4	218.7	219.6	220.0	220.4	220.9	220.7
27.5°	230.8	230.6	231.4	232.7	233.4	234.6	235.2	235.5
30°	246.7	247.8	248.2	250.8	251.2	253.2	253.2	254.1
32.5°	269.7	271.8	275.6	279.4	284.7	288.5	288.6	290.5
35°	320.2	321.1	324.0	324.6	325.7	327.0	325.7	326.7
37.5°	359.0	355.2	352.5	348.6	346.2	346.2	346.5	346.2
40°	378.8	377.4	376.1	372.8	372.3	372.2	372.2	372.7
42.5°	414.2	410.6	408.6	405.9	405.1	404.8	404.7	404.9
45°	460.3	454.4	449.2	446.4	444.1	441.8	442.6	442.6
47.5°	514.0	504.9	496.2	491.5	487.4	485.6	484.3	483.9
50°	579.2	566.6	555.4	546.6	540.6	540.6	541.2	537.2
52.5°	659.2	639.2	625.4	613.5	607.9	607.2	605.3	603.1
55°	747.8	724.2	701.3	688.5	681.2	677.2	674.9	671.2
57.5°	839.2	807.4	774.5	754.0	741.2	732.2	727.6	725.4
60°	909.6	866.2	822.8	790.0	768.5	755.2	747.1	743.8
62.5°	937.4	878.5	822.8	779.7	748.7	730.4	719.4	714.5
65°	904.4	834.5	771.1	723.6	689.0	668.6	656.6	651.4
67.5°	812.0	750.3	681.4	634.0	598.5	578.4	565.3	561.5
70°	680.8	617.7	551.8	509.6	477.9	461.4	447.9	446.3
72.5°	511.6	457.2	400.8	365.8	340.3	313.1	306.2	309.6
75°	327.9	277.0	226.8	195.2	172.0	146.0	136.0	138.4
77.5°	155.3	120.2	86.8	67.2	56.4	48.2	46.1	44.8
80°	57.6	46.7	41.2	39.2	37.7	36.2	35.3	34.2
82.5°	37.2	36.4	35.3	34.9	33.8	32.1	28.8	27.5
85°	27.8	27.8	26.4	26.5	25.6	23.4	20.5	18.8
87.5°	8.2	7.4	6.7	6.2	6.1	5.4	4.0	3.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)