

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: P180017

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180017
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-E01-LED-E1-5MQ-7030
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2650.1 lumens
Efficiency: N/A
Efficacy: 107.3 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: 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



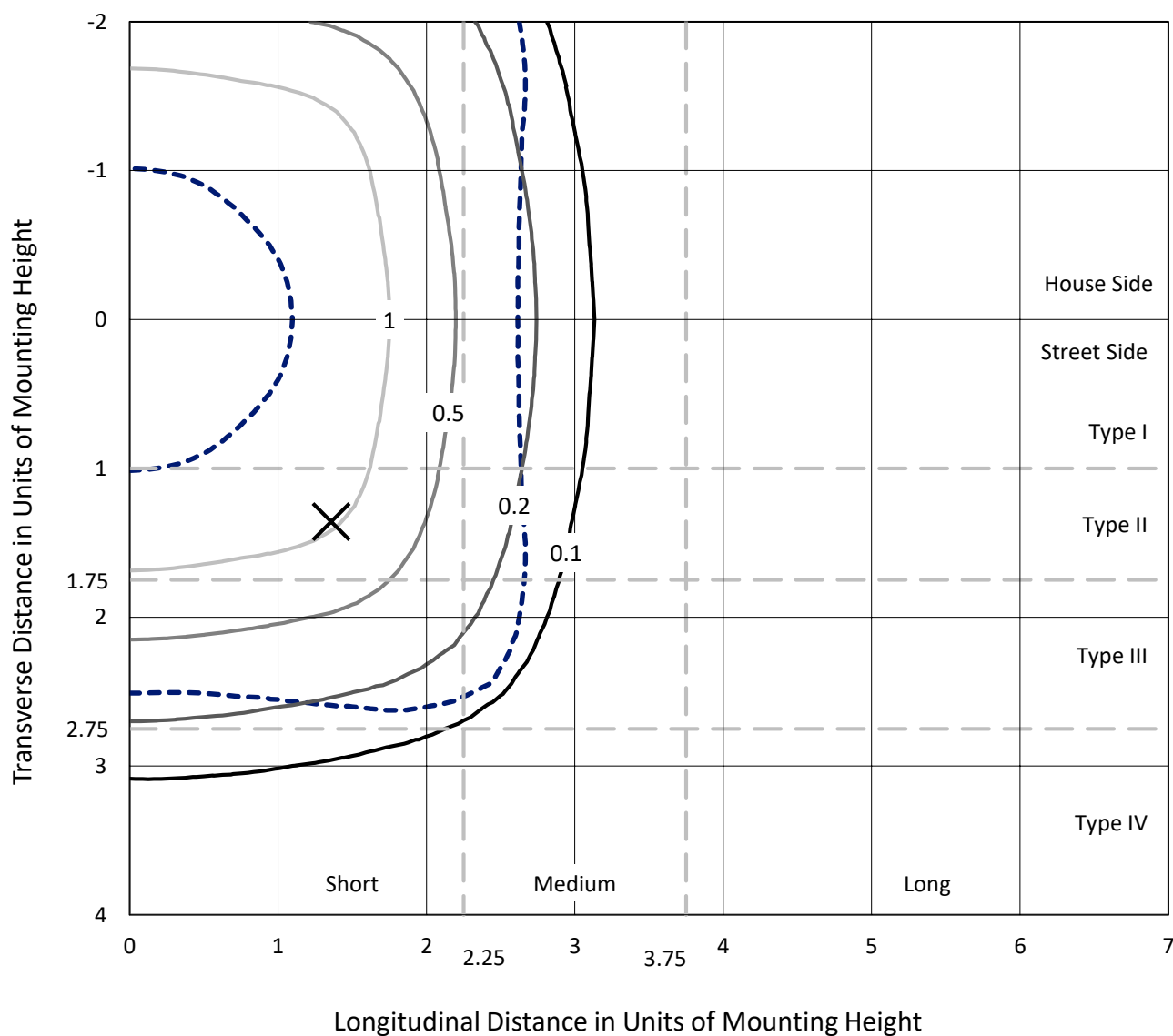
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

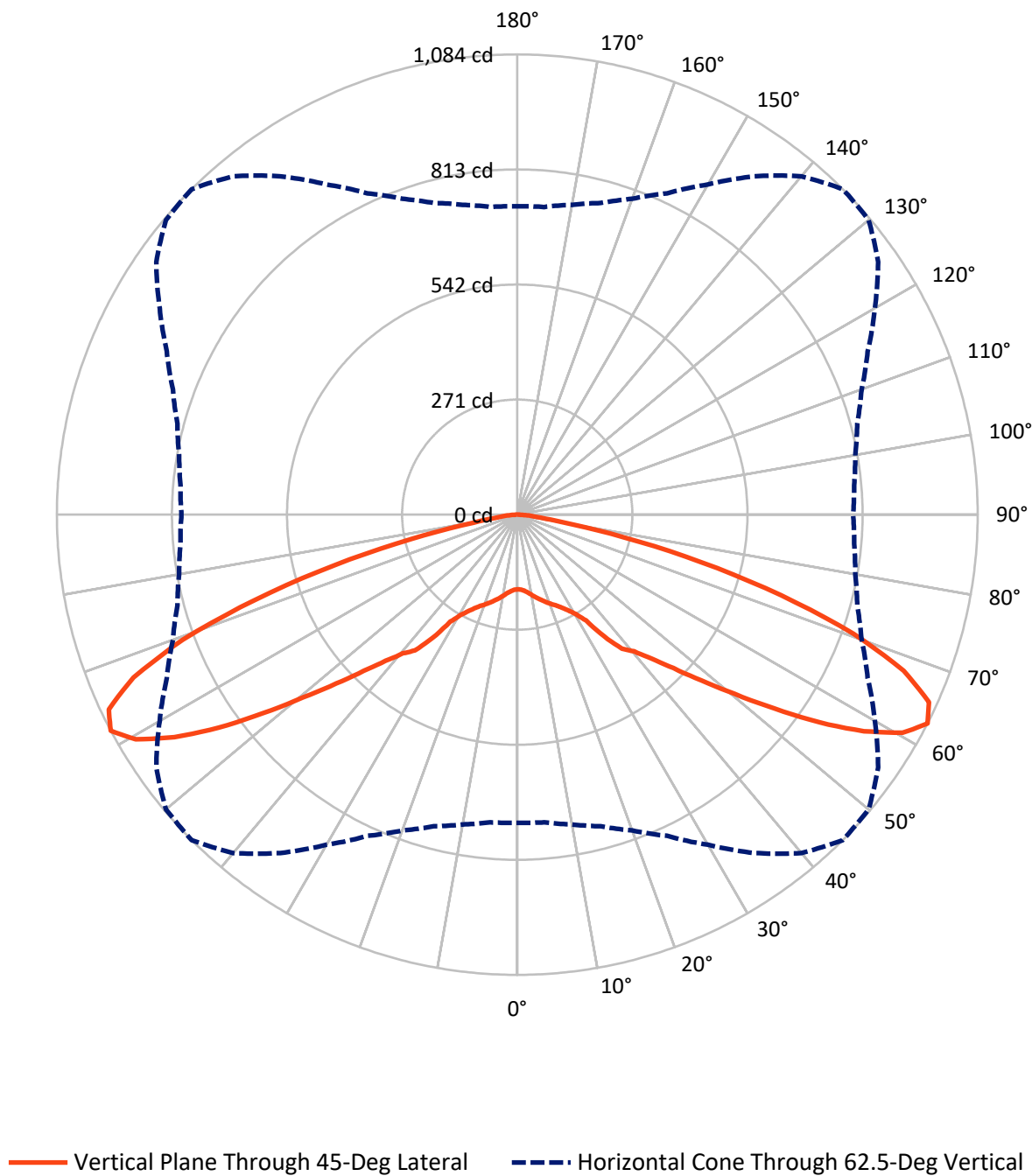


Based on 10 foot mounting height. Maximum calculated value = 2 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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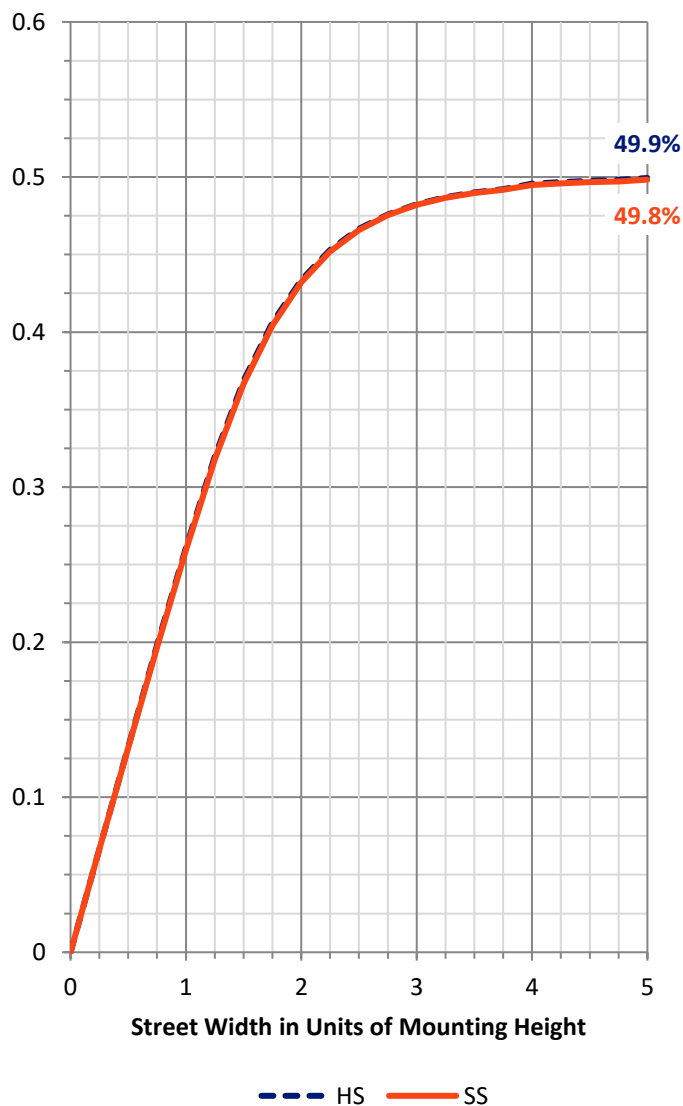
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1325.1	0.0	1325.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1325.1	0.0	1325.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	2650.1	0.0	2650.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.6	0.7
10°-20°	59.6	2.2
20°-30°	115.2	4.3
30°-40°	223.1	8.4
40°-50°	402.8	15.2
50°-60°	700.5	26.4
60°-70°	795.2	30.0
70°-80°	308.3	11.6
80°-90°	27.8	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°	2650.1	100.0
0°-180°	2650.1	100.0

Coefficient of Utilization



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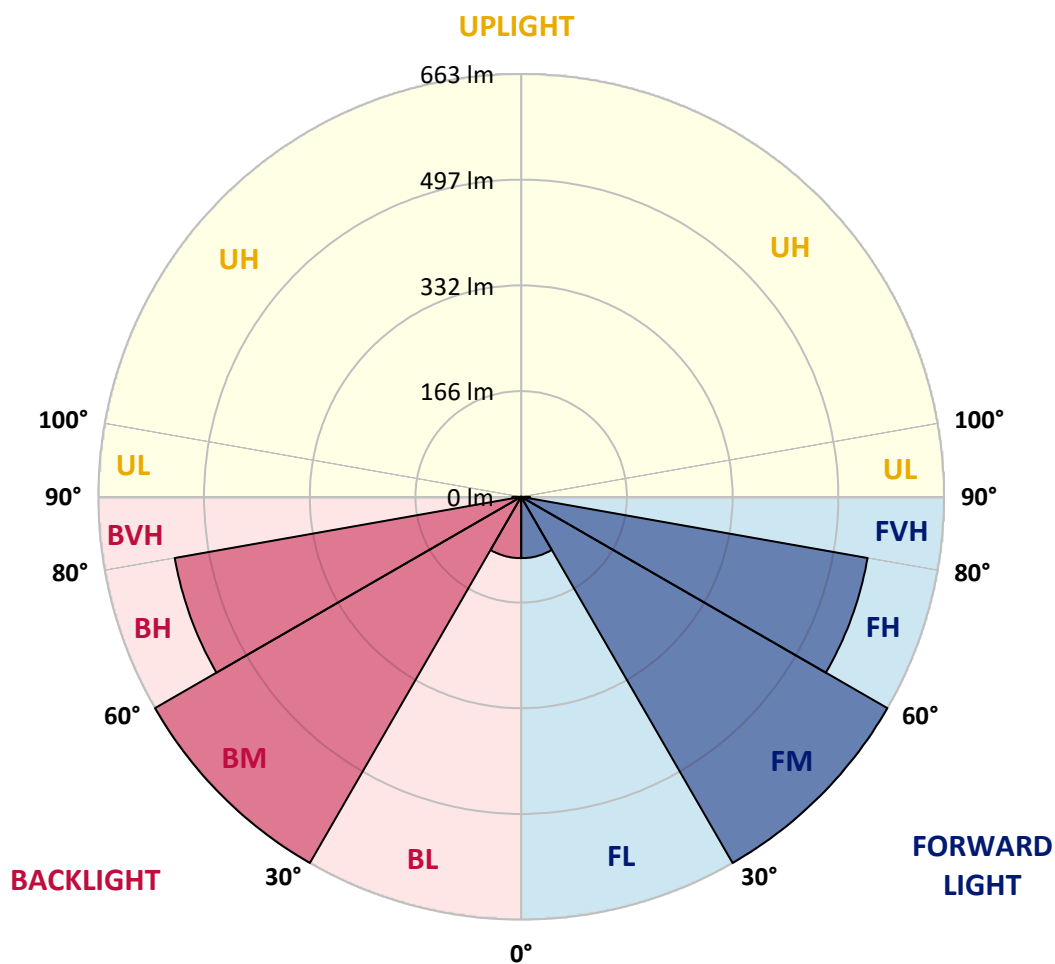
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	96.2	3.6			
FM	(30°-60°)	663.2	25.0			
FH	(60°-80°)	551.7	20.8			G0/660
FVH	(80°-90°)	13.9	0.5			G1/100
BL	(0°-30°)	96.2	3.6	B0/110		
BM	(30°-60°)	663.2	25.0	B1/1000		
BH	(60°-80°)	551.7	20.8	B2/1000		G0/660
BVH	(80°-90°)	13.9	0.5			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°	175.9	175.9	175.9	175.9	175.9	175.9	175.9	175.9	175.9	175.9	175.9
2.5°	177.0	177.6	177.5	177.2	177.2	177.2	177.0	176.6	176.5	176.8	177.0
5°	181.1	181.1	181.1	181.1	180.9	180.8	180.6	180.3	180.4	180.2	180.0
7.5°	187.4	187.0	187.0	186.8	186.9	186.6	186.2	185.6	185.8	185.6	185.5
10°	194.8	195.0	194.6	195.0	194.3	194.1	193.6	193.3	193.2	192.8	192.8
12.5°	203.8	203.3	203.4	203.0	202.8	202.5	201.7	201.5	201.0	200.7	200.3
15°	212.1	212.0	211.4	210.8	210.8	210.4	209.4	209.0	208.8	208.1	207.6
17.5°	220.4	220.2	219.5	219.2	218.6	218.2	217.4	216.6	216.2	216.0	215.2
20°	229.4	229.0	228.4	227.8	227.2	226.6	225.4	224.7	224.3	223.9	223.3
22.5°	240.4	239.9	238.8	237.8	236.4	235.8	234.2	233.2	232.6	232.0	231.7
25°	252.5	252.6	251.2	249.9	248.2	246.6	244.6	243.4	242.8	242.2	242.1
27.5°	267.6	267.8	266.4	264.6	261.8	260.2	257.4	256.0	255.7	255.1	255.0
30°	291.4	290.2	287.8	285.0	282.6	279.0	275.0	273.6	272.2	271.8	271.8
32.5°	335.3	334.6	332.6	325.6	322.2	314.8	307.8	303.9	299.4	297.2	295.8
35°	366.0	365.7	364.2	361.8	359.6	358.1	354.0	353.4	352.6	352.5	353.6
37.5°	388.6	386.9	386.6	387.0	386.5	386.8	390.0	394.6	398.4	400.4	400.1
40°	422.0	419.6	421.0	420.0	418.8	418.6	419.6	421.4	423.2	423.2	422.8
42.5°	465.7	466.8	467.3	463.4	460.8	460.1	462.6	462.2	463.9	463.2	461.4
45°	530.6	530.0	529.0	524.2	520.0	516.8	517.5	516.6	516.6	515.6	514.2
47.5°	596.1	598.4	594.5	592.2	587.5	585.2	587.1	585.4	588.6	582.8	580.1
50°	659.7	661.4	660.0	656.7	656.6	660.0	662.3	665.3	669.7	663.2	653.2
52.5°	711.8	713.1	715.2	717.9	724.6	731.6	741.5	752.1	760.4	759.2	748.0
55°	743.6	745.2	748.7	758.0	770.2	788.4	810.8	835.4	854.6	863.8	855.6
57.5°	754.2	755.5	764.8	776.2	795.0	822.2	859.6	902.0	938.8	962.2	958.6
60°	751.8	751.8	761.2	776.8	803.2	839.4	892.2	950.8	1007.3	1042.4	1037.2
62.5°	725.9	727.2	740.8	759.6	791.4	834.6	897.7	972.6	1040.2	1083.8	1079.5
65°	669.2	670.1	684.8	707.1	742.6	793.8	862.8	945.8	1023.2	1065.1	1057.2
67.5°	577.5	578.5	590.4	615.6	653.2	706.7	781.1	872.5	948.2	981.4	957.6
70°	459.4	462.2	469.8	496.5	525.0	577.5	646.0	737.4	808.9	840.3	814.0
72.5°	313.0	320.0	329.4	353.1	380.4	423.9	478.4	555.4	612.8	649.2	625.7
75°	176.3	186.2	189.1	207.0	229.5	263.8	303.8	358.9	416.9	446.4	418.2
77.5°	76.2	84.2	87.8	96.2	113.8	128.1	152.4	189.6	234.4	255.1	221.3
80°	37.6	39.4	40.9	43.6	48.5	53.2	64.6	81.0	99.3	104.0	82.8
82.5°	29.1	30.4	33.0	35.1	36.3	37.5	38.6	40.8	42.6	43.6	41.1
85°	20.4	22.2	25.1	27.4	28.8	29.8	30.7	31.4	29.8	27.2	28.5
87.5°	5.4	7.0	9.7	10.5	12.0	12.6	12.4	12.8	11.5	8.4	9.3
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°	175.9	175.9	175.9	175.9	175.9	175.9	175.9	175.9
2.5°	176.9	176.8	176.9	176.8	176.9	176.7	176.8	176.7
5°	180.0	180.0	180.1	179.9	179.9	180.0	179.9	179.8
7.5°	185.4	185.2	185.2	185.1	185.2	185.1	185.1	185.0
10°	192.5	192.2	192.4	192.0	192.0	191.8	191.8	191.8
12.5°	200.2	199.8	199.9	199.5	198.8	199.0	199.0	198.9
15°	207.6	207.2	206.8	206.4	206.0	206.2	206.2	206.1
17.5°	215.2	214.3	214.2	213.8	213.6	213.6	213.6	213.7
20°	222.9	222.4	222.2	221.8	221.6	222.0	222.2	222.0
22.5°	231.2	231.0	231.3	231.0	231.4	231.7	231.8	231.5
25°	241.8	241.6	242.0	242.9	243.4	243.7	244.4	244.2
27.5°	255.4	255.2	256.1	257.4	258.2	259.6	260.3	260.6
30°	273.0	274.2	274.8	277.5	278.0	280.2	280.2	281.1
32.5°	298.4	300.8	304.8	309.1	315.0	319.2	319.2	321.4
35°	354.3	355.3	358.4	359.1	360.3	361.7	360.4	361.4
37.5°	397.2	393.0	389.9	385.7	383.1	383.1	383.4	383.1
40°	419.2	417.5	416.1	412.6	412.0	411.8	411.8	412.4
42.5°	458.3	454.3	452.1	449.1	448.2	447.8	447.8	448.0
45°	509.3	502.8	497.0	494.0	491.3	488.8	489.6	489.7
47.5°	568.6	558.6	549.0	543.8	539.2	537.2	535.8	535.4
50°	640.8	626.8	614.4	604.8	598.2	598.0	598.8	594.3
52.5°	729.3	707.2	691.9	678.8	672.6	671.9	669.7	667.2
55°	827.4	801.2	775.8	761.8	753.7	749.3	746.7	742.6
57.5°	928.6	893.3	856.8	834.2	820.0	810.1	804.9	802.6
60°	1006.5	958.4	910.3	874.0	850.3	835.6	826.6	822.9
62.5°	1037.2	972.0	910.3	862.6	828.4	808.0	795.9	790.5
65°	1000.6	923.3	853.2	800.6	762.3	739.7	726.4	720.7
67.5°	898.4	830.2	753.8	701.5	662.2	639.8	625.4	621.2
70°	753.2	683.4	610.5	563.8	528.7	510.5	495.6	493.8
72.5°	566.0	505.8	443.4	404.8	376.5	346.4	338.7	342.5
75°	362.8	306.5	250.9	216.0	190.3	161.6	150.4	153.2
77.5°	171.9	133.0	96.0	74.2	62.3	53.3	51.0	49.6
80°	63.7	51.6	45.6	43.3	41.6	40.2	39.0	37.8
82.5°	41.2	40.3	39.0	38.6	37.4	35.5	31.9	30.4
85°	30.8	30.8	29.2	29.3	28.4	25.9	22.6	20.8
87.5°	9.0	8.1	7.4	6.8	6.7	6.0	4.4	3.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)