

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: P180117

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180117
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33675)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-E01-LED-E1-5WQ-7030
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2617.3 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Semi-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



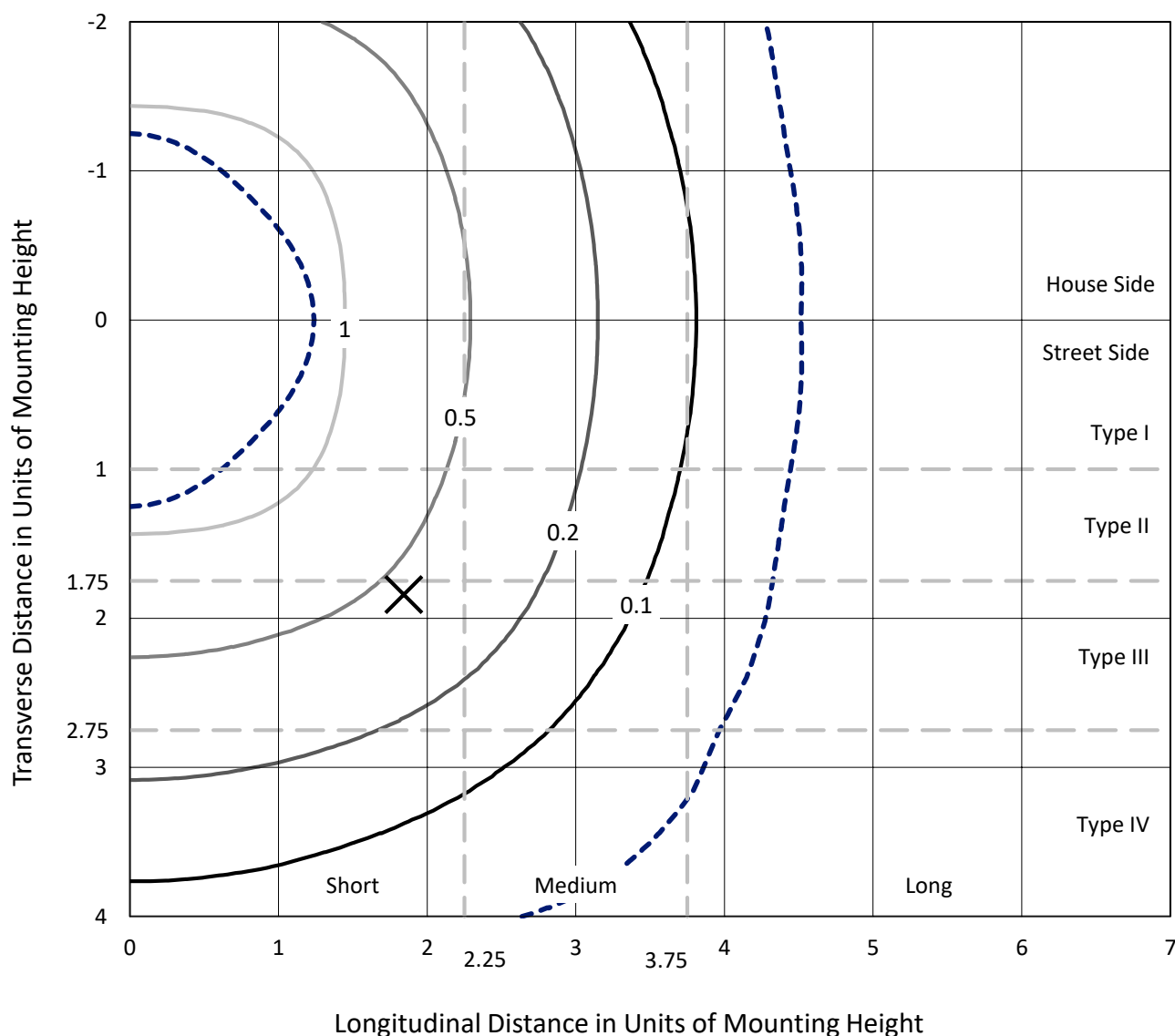
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

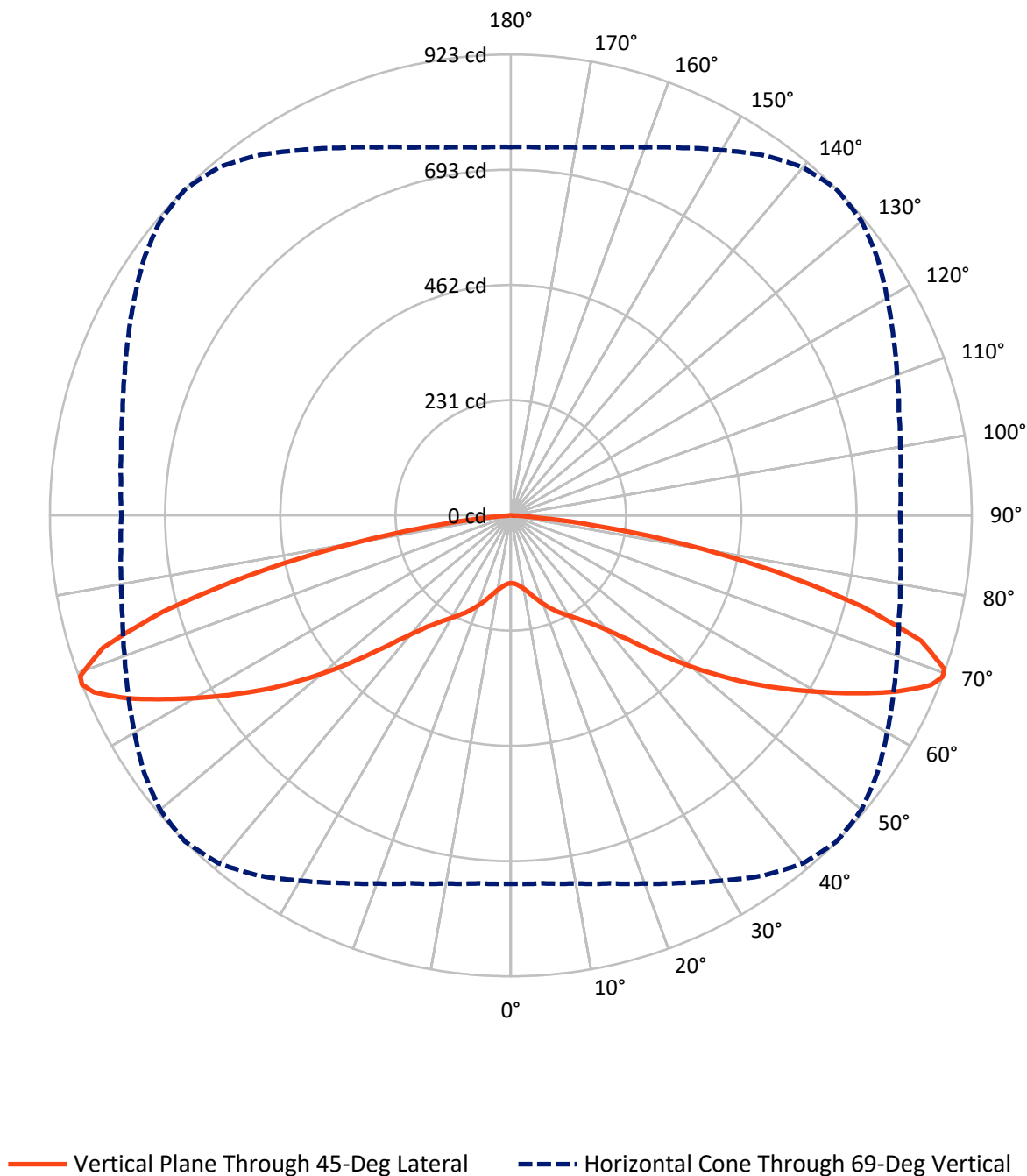


Based on 10 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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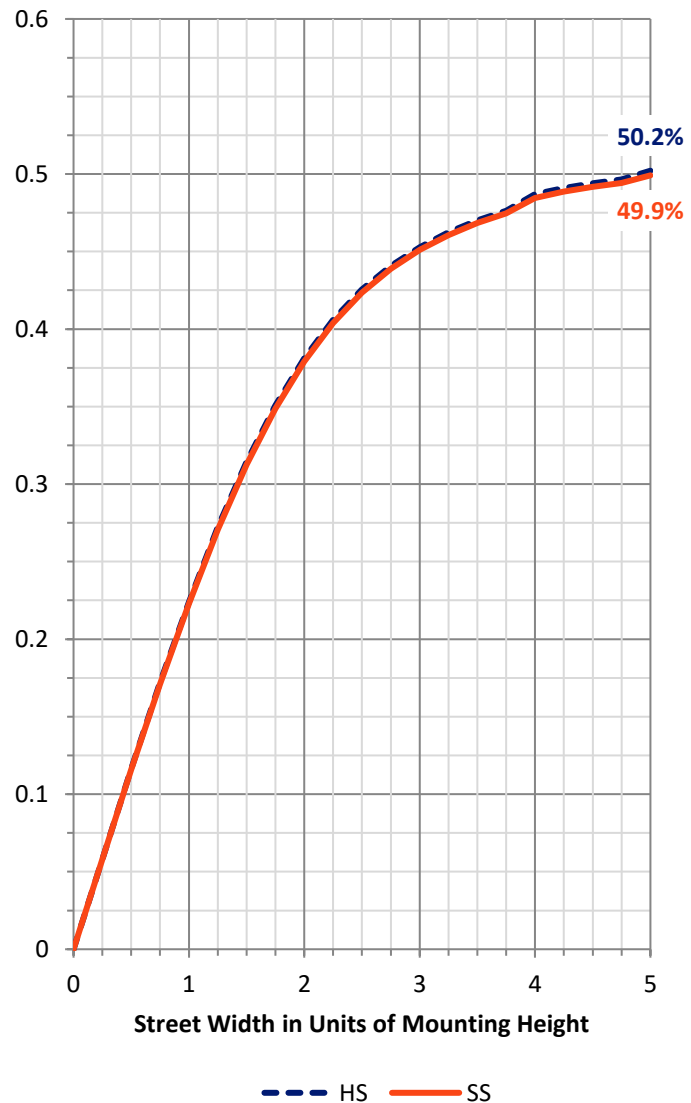
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1308.6	0.0	1308.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1308.6	0.0	1308.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	2617.3	0.0	2617.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.6	0.5
10°-20°	48.2	1.8
20°-30°	97.6	3.7
30°-40°	163.6	6.3
40°-50°	288.6	11.0
50°-60°	508.9	19.4
60°-70°	777.0	29.7
70°-80°	649.2	24.8
80°-90°	70.5	2.7
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°	2617.3	100.0
0°-180°	2617.3	100.0

Coefficient of Utilization



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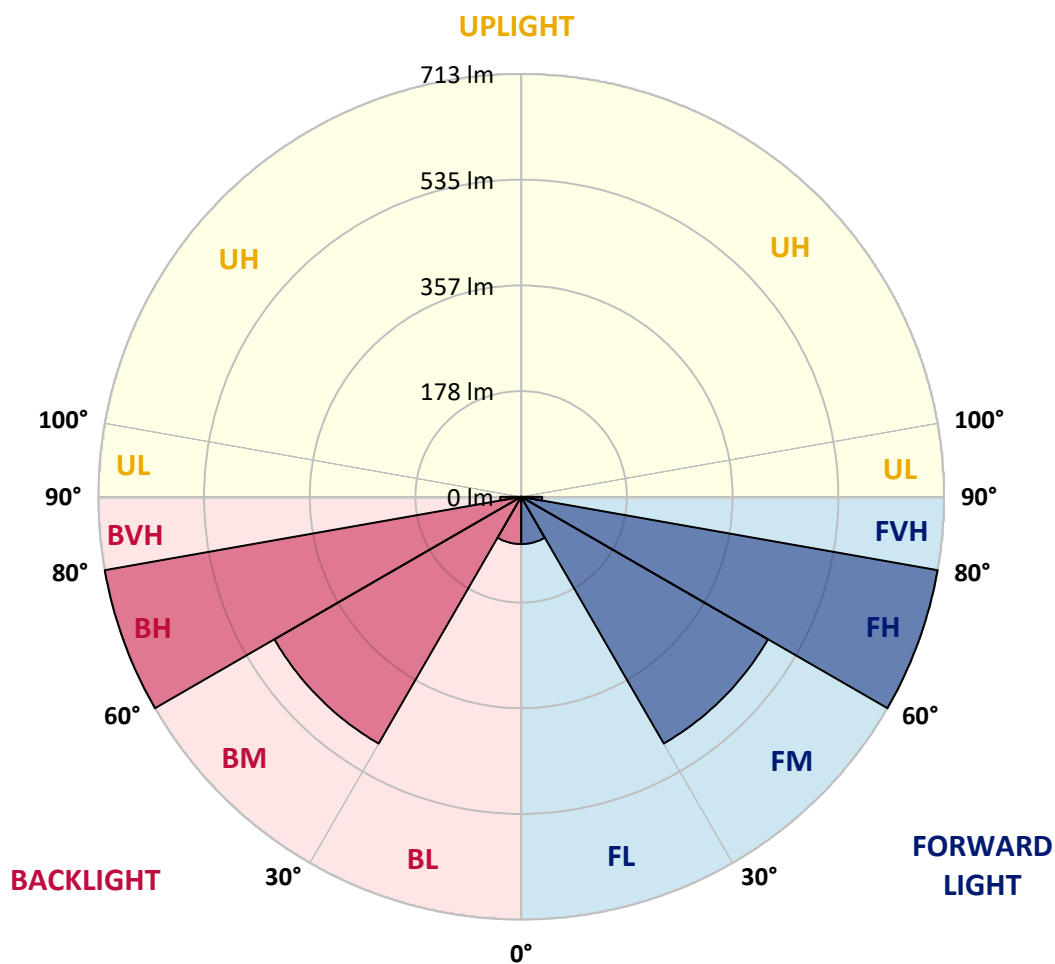
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	79.7	3.0			
FM	(30°-60°)	480.6	18.4			
FH	(60°-80°)	713.1	27.2			G1/1800
FVH	(80°-90°)	35.3	1.3			G1/100
BL	(0°-30°)	79.7	3.0	B0/110		
BM	(30°-60°)	480.6	18.4	B1/1000		
BH	(60°-80°)	713.1	27.2	B2/1000		G1/1800
BVH	(80°-90°)	35.3	1.3			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°	135.9	135.9	135.9	135.9	135.9	135.9	135.9	135.9	135.9	135.9	135.9
2.5°	137.0	137.3	137.0	137.0	137.0	137.0	137.0	136.7	136.7	136.7	137.0
5°	139.8	140.0	139.8	140.0	140.0	140.0	140.0	139.8	139.8	139.8	139.8
7.5°	144.1	144.1	144.1	144.4	144.1	144.1	144.4	144.1	144.1	144.1	144.1
10°	150.4	150.2	150.2	150.2	150.2	150.2	150.4	150.4	150.4	150.2	150.2
12.5°	158.1	157.8	158.1	158.1	158.4	158.4	158.4	158.4	158.4	158.4	158.1
15°	167.4	167.4	167.4	167.7	168.2	168.2	168.0	168.2	168.2	168.2	168.2
17.5°	177.8	178.4	177.8	178.1	178.4	178.1	178.7	178.9	179.2	178.9	178.1
20°	188.5	188.8	188.8	188.8	188.8	189.3	189.6	189.6	190.4	190.2	189.9
22.5°	198.7	199.2	199.2	199.5	199.5	200.3	200.3	200.3	200.9	201.4	200.9
25°	209.4	209.1	209.1	209.6	209.9	211.0	211.0	211.5	212.4	212.6	212.1
27.5°	218.9	218.7	218.7	219.5	219.8	221.1	221.1	222.2	222.8	223.1	222.5
30°	229.1	229.1	228.8	229.6	230.5	231.5	232.1	233.2	234.0	234.3	233.7
32.5°	241.1	240.6	240.9	241.4	242.0	243.1	243.9	245.2	246.3	246.6	246.1
35°	254.8	254.0	254.3	254.8	255.7	257.3	258.7	259.5	261.1	261.7	260.6
37.5°	269.9	270.2	269.9	271.3	272.6	274.6	276.2	277.3	279.0	279.8	279.0
40°	291.3	290.5	291.3	292.7	294.8	297.3	300.6	301.4	303.1	304.7	302.8
42.5°	319.0	318.4	320.3	321.4	323.9	326.6	330.7	332.9	335.4	336.5	334.9
45°	355.1	355.1	357.3	357.6	361.4	365.0	370.7	373.5	378.1	378.1	378.1
47.5°	395.1	396.8	398.2	400.9	403.6	410.2	416.0	422.0	426.4	426.9	426.1
50°	436.5	438.2	442.3	446.1	452.1	460.4	466.7	474.6	478.4	481.7	480.6
52.5°	482.3	482.5	487.5	492.4	501.2	510.2	520.4	528.6	535.4	538.4	536.0
55°	532.4	533.0	537.4	542.6	552.4	562.8	575.4	583.9	592.7	598.2	594.1
57.5°	586.7	587.0	591.3	597.6	609.4	619.8	631.9	643.9	652.2	657.1	654.4
60°	646.7	648.1	651.3	659.3	670.5	681.5	693.5	704.2	713.8	719.0	716.3
62.5°	710.8	712.2	716.8	723.1	733.0	745.1	756.6	770.3	778.2	784.0	779.9
65°	753.8	756.3	763.7	772.2	786.7	802.3	815.8	834.4	844.0	850.8	847.0
67.5°	756.6	757.9	767.0	779.9	799.3	822.9	850.3	879.3	898.2	907.3	900.7
69°	737.9	739.9	748.6	763.1	784.8	812.2	844.8	881.0	910.0	923.4	917.1
70°	716.8	720.9	730.5	746.4	767.5	796.3	830.0	868.6	902.6	921.0	916.3
72.5°	672.4	673.5	679.8	692.4	708.6	732.5	764.2	800.7	833.0	859.3	863.2
75°	596.8	600.4	605.0	613.5	621.8	639.0	660.4	685.3	704.2	724.5	725.3
77.5°	451.0	461.7	465.3	467.2	470.8	484.5	503.1	524.7	540.4	543.7	543.1
80°	202.5	216.7	220.0	235.7	245.2	268.0	296.5	329.6	351.8	354.3	348.3
82.5°	39.7	42.5	49.6	61.9	84.4	97.8	116.5	139.8	161.1	173.5	166.1
85°	13.2	14.0	16.2	17.8	20.6	23.3	28.2	35.1	43.6	48.2	43.0
87.5°	5.2	5.2	6.0	6.6	7.1	7.1	7.1	6.6	6.3	5.2	4.7
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°	135.9	135.9	135.9	135.9	135.9	135.9	135.9	135.9
2.5°	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7
5°	139.8	139.5	139.5	139.2	139.2	139.2	139.2	139.2
7.5°	143.9	143.6	143.3	143.6	143.3	143.3	143.3	143.3
10°	150.2	149.6	149.3	149.1	149.1	149.1	148.8	148.8
12.5°	157.6	157.6	157.3	157.0	156.5	156.7	156.5	155.9
15°	167.7	167.2	166.9	166.6	166.1	166.1	166.1	165.8
17.5°	177.8	177.3	177.3	176.5	176.2	176.2	176.2	176.5
20°	189.1	188.3	187.7	187.2	186.6	186.9	186.3	186.9
22.5°	200.3	199.2	198.7	197.8	197.0	197.0	196.7	196.2
25°	211.3	209.9	209.4	208.5	207.4	207.4	206.9	206.3
27.5°	221.7	220.3	219.8	218.1	217.0	216.7	216.2	215.9
30°	233.2	231.5	230.7	229.1	227.4	227.2	226.3	226.3
32.5°	245.2	243.6	243.1	240.6	239.2	239.2	238.7	238.1
35°	260.3	257.9	257.3	254.8	252.9	252.9	252.4	252.6
37.5°	278.1	276.2	274.3	272.4	270.2	269.9	269.4	268.8
40°	302.0	299.8	297.6	294.8	292.9	292.4	291.6	291.3
42.5°	333.8	331.6	327.2	325.0	323.1	321.4	321.2	320.9
45°	374.3	371.6	368.6	364.4	362.0	358.4	357.9	356.5
47.5°	423.1	417.9	412.7	409.1	405.3	401.2	400.3	398.2
50°	474.9	470.8	462.0	456.2	450.2	446.1	443.4	442.5
52.5°	530.5	522.8	514.1	506.4	497.6	492.1	487.2	485.8
55°	588.6	577.6	566.7	557.6	548.9	542.3	537.6	535.4
57.5°	646.7	634.6	622.6	612.7	605.3	596.8	592.2	591.1
60°	707.2	695.7	683.4	673.5	664.5	657.1	654.4	649.2
62.5°	771.4	759.3	747.8	738.2	726.7	721.5	716.8	713.8
65°	834.4	820.4	805.9	795.8	784.2	776.8	771.1	767.0
67.5°	883.2	862.1	842.6	825.6	810.0	798.5	791.1	787.3
69°	896.9	870.6	845.6	823.4	805.1	792.2	784.0	780.1
70°	895.2	866.2	838.8	814.4	794.4	780.7	772.7	765.6
72.5°	844.5	817.9	787.5	761.0	742.9	729.7	721.8	717.9
75°	720.7	702.9	680.9	660.4	647.2	639.6	629.7	630.0
77.5°	524.7	525.3	510.5	489.4	474.6	471.9	467.5	463.1
80°	325.5	299.5	282.5	259.8	243.1	228.5	222.2	208.5
82.5°	150.2	117.3	91.0	68.8	52.9	41.4	36.2	29.6
85°	33.4	25.5	21.1	17.0	14.5	13.4	11.0	10.1
87.5°	4.7	4.1	3.8	3.6	3.0	2.2	1.6	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)