

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: P180061

Luminaire Tested: **ICM-F01-LED-E1-5WQ-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180061  
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: ICM-F01-LED-E1-5WQ-8030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE  
Light Source: (7) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2063.5 lumens  
Efficiency: N/A  
Efficacy: 79.7 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

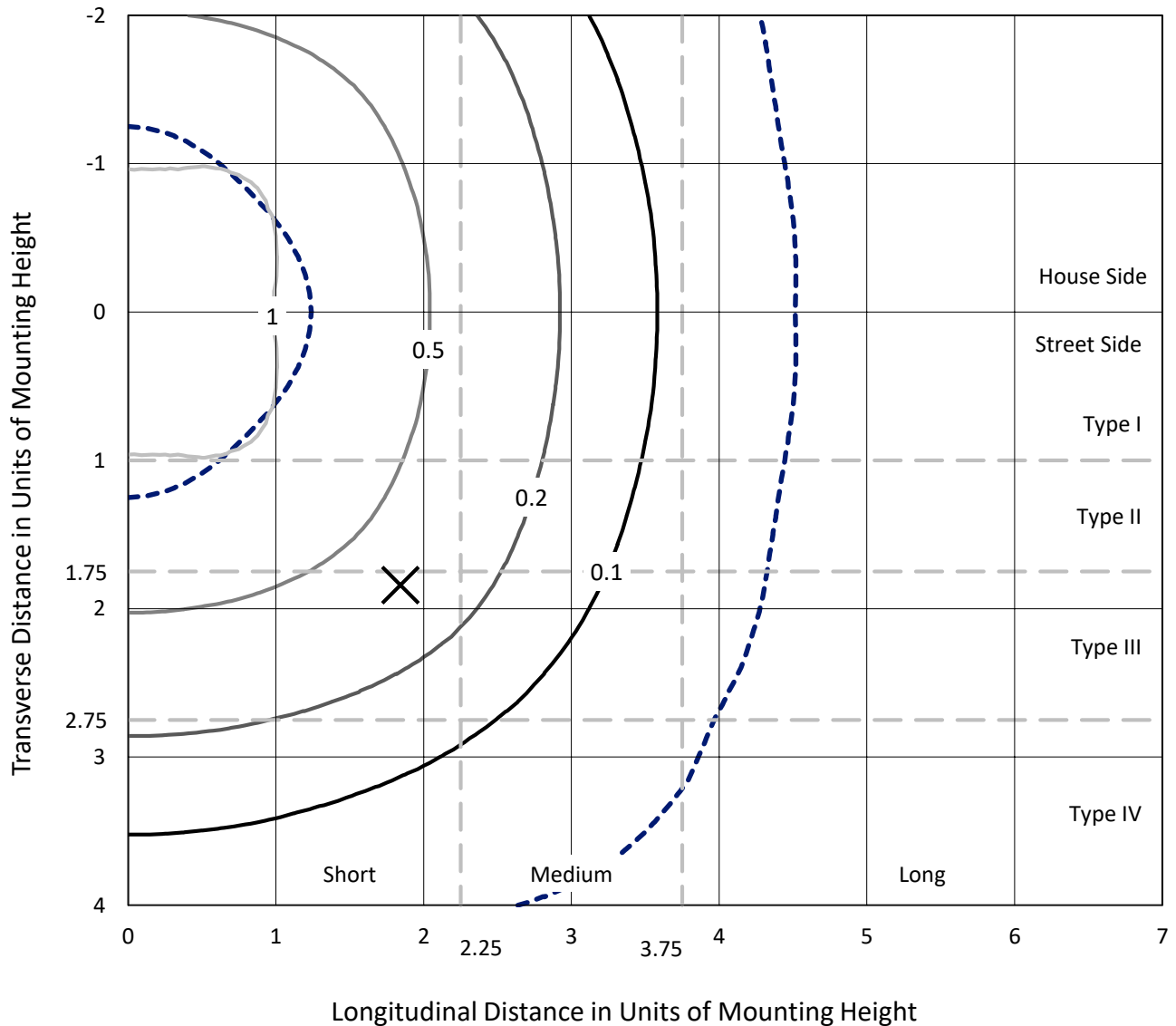
Input Watts (W): 25.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P180061  
 CATALOG NUMBER: ICM-F01-LED-E1-5WQ-8030

### Iso-Footcandle Lines of Horizontal Illumination

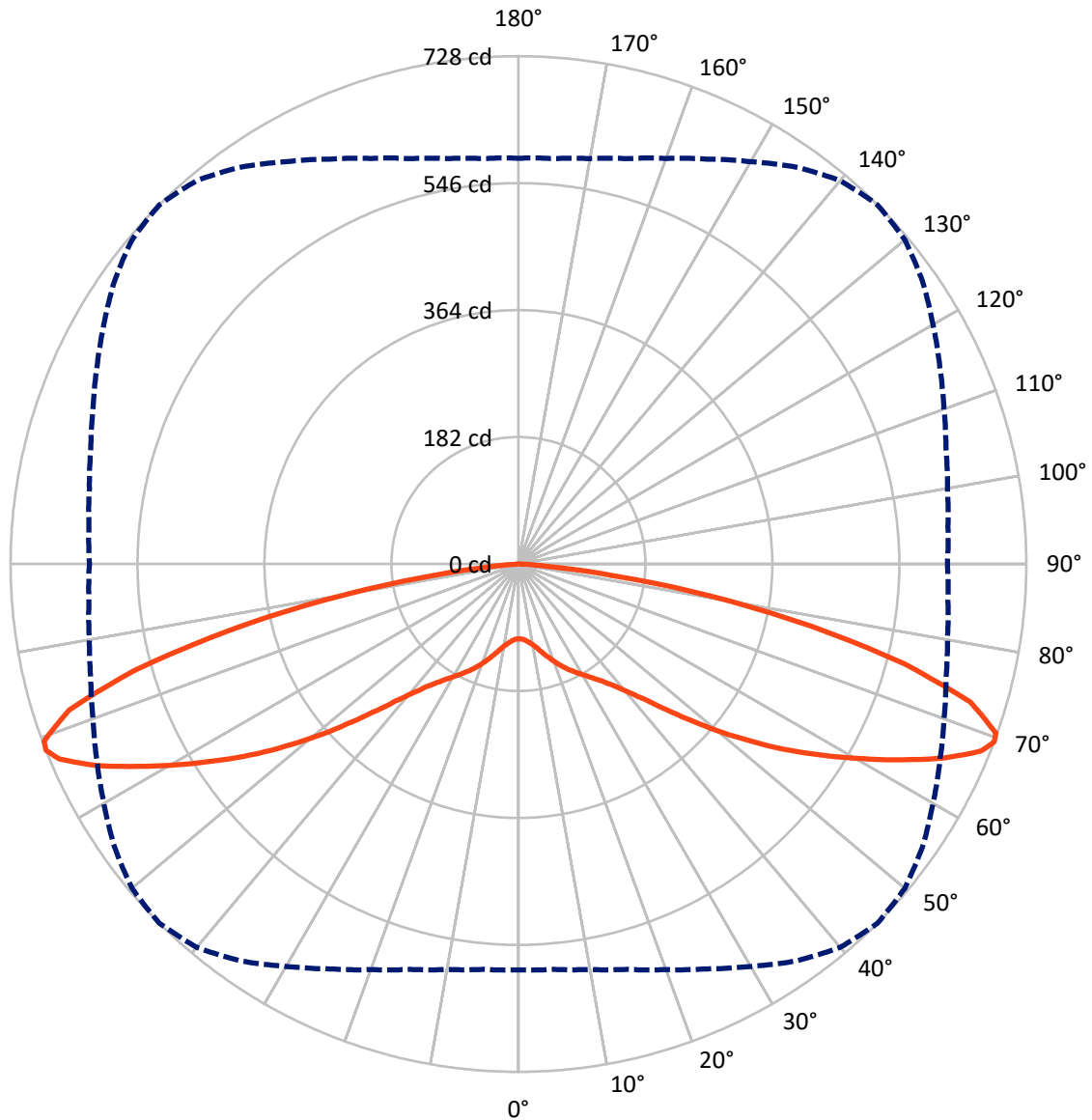
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.2 fc  
 Type V - Short - Semi-Cutoff

REPORT NUMBER: P180061  
CATALOG NUMBER: ICM-F01-LED-E1-5WQ-8030

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P180061

CATALOG NUMBER: ICM-F01-LED-E1-5WQ-8030

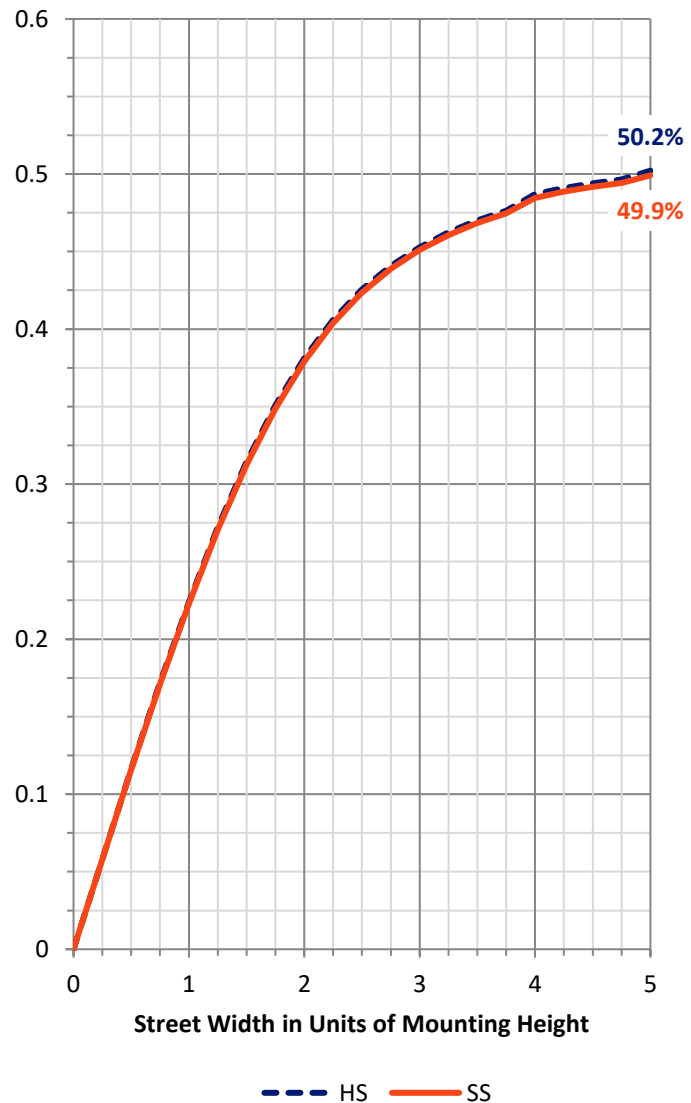
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1031.8	0.0	1031.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1031.8	0.0	1031.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2063.5	0.0	2063.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.8	0.5
10°-20°	38.0	1.8
20°-30°	76.9	3.7
30°-40°	129.0	6.3
40°-50°	227.5	11.0
50°-60°	401.2	19.4
60°-70°	612.6	29.7
70°-80°	511.9	24.8
80°-90°	55.6	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°	2063.5	100.0
0°-180°	2063.5	100.0



REPORT NUMBER: P180061

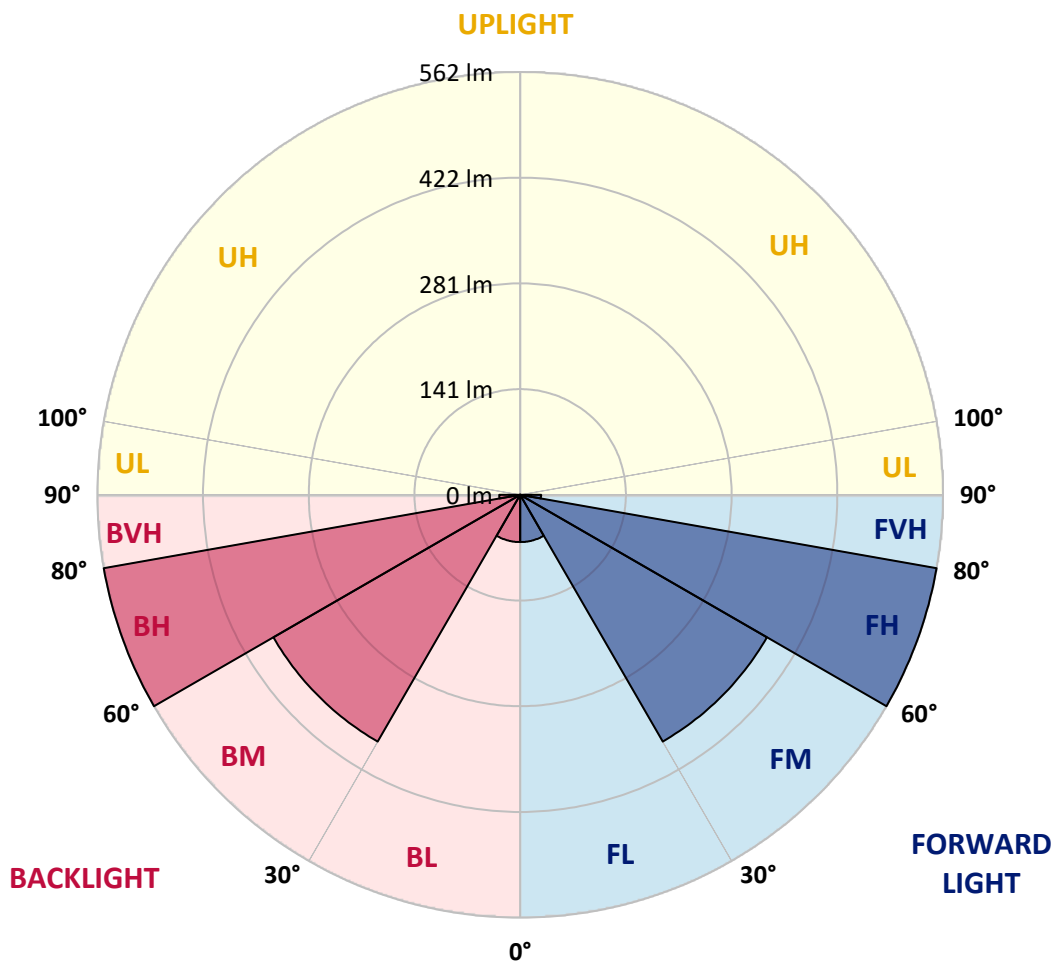
CATALOG NUMBER: ICM-F01-LED-E1-5WQ-8030

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	62.8	3.0			
FM (30°-60°)	378.9	18.4			
FH (60°-80°)	562.2	27.2			G0/660
FVH (80°-90°)	27.8	1.3			G1/100
BL (0°-30°)	62.8	3.0	B0/110		
BM (30°-60°)	378.9	18.4	B1/1000		
BH (60°-80°)	562.2	27.2	B2/1000		G0/660
BVH (80°-90°)	27.8	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





REPORT NUMBER: P180061

CATALOG NUMBER: ICM-F01-LED-E1-5WQ-8030

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	107.2	107.2	107.2	107.2	107.2	107.2	107.2	107.2	107.2	107.2	107.2
2.5°	108.0	108.3	108.0	108.0	108.0	108.0	108.0	107.8	107.8	107.8	108.0
5°	110.1	110.4	110.1	110.4	110.4	110.4	110.4	110.1	110.1	110.1	110.1
7.5°	113.7	113.7	113.7	113.9	113.7	113.7	113.9	113.7	113.7	113.7	113.7
10°	118.6	118.4	118.4	118.4	118.4	118.4	118.6	118.6	118.6	118.4	118.4
12.5°	124.7	124.5	124.7	124.7	124.8	124.8	124.8	124.8	124.8	124.8	124.7
15°	132.0	132.0	132.0	132.2	132.7	132.7	132.5	132.7	132.7	132.7	132.7
17.5°	140.2	140.7	140.2	140.5	140.7	140.5	140.8	141.1	141.3	141.1	140.5
20°	148.7	148.8	148.8	148.8	148.8	149.3	149.5	149.5	150.1	150.0	149.7
22.5°	156.7	157.0	157.0	157.3	157.3	158.0	158.0	158.0	158.3	158.8	158.3
25°	165.0	164.8	164.8	165.3	165.5	166.3	166.3	166.8	167.4	167.6	167.3
27.5°	172.7	172.4	172.4	173.0	173.3	174.3	174.3	175.3	175.6	175.8	175.4
30°	180.7	180.7	180.4	181.0	181.7	182.5	183.0	183.8	184.5	184.7	184.3
32.5°	190.1	189.7	189.9	190.3	190.8	191.6	192.3	193.4	194.2	194.4	194.0
35°	200.9	200.3	200.5	200.9	201.6	202.9	203.9	204.6	205.9	206.3	205.5
37.5°	212.8	213.0	212.8	213.9	215.0	216.5	217.8	218.6	219.9	220.6	219.9
40°	229.7	229.0	229.7	230.7	232.5	234.4	237.0	237.7	239.0	240.3	238.7
42.5°	251.4	251.1	252.6	253.4	255.4	257.5	260.7	262.5	264.5	265.3	264.0
45°	280.0	280.0	281.7	282.0	284.9	287.8	292.3	294.5	298.1	298.1	298.1
47.5°	311.5	312.8	314.0	316.1	318.2	323.4	327.9	332.7	336.2	336.6	335.9
50°	344.2	345.5	348.7	351.7	356.5	363.0	367.9	374.1	377.2	379.8	379.0
52.5°	380.3	380.5	384.4	388.2	395.2	402.2	410.2	416.7	422.1	424.6	422.6
55°	419.8	420.2	423.6	427.7	435.5	443.7	453.7	460.4	467.3	471.6	468.4
57.5°	462.5	462.8	466.2	471.2	480.5	488.7	498.2	507.7	514.1	518.0	515.9
60°	509.9	511.0	513.5	519.8	528.7	537.3	546.8	555.3	562.8	566.9	564.7
62.5°	560.4	561.5	565.2	570.1	578.0	587.4	596.5	607.3	613.6	618.1	614.9
65°	594.3	596.3	602.1	608.8	620.3	632.6	643.2	657.9	665.4	670.8	667.8
67.5°	596.5	597.6	604.7	614.9	630.2	648.7	670.4	693.3	708.2	715.4	710.1
69°	581.8	583.4	590.2	601.7	618.8	640.4	666.1	694.6	717.5	728.1	723.1
70°	565.2	568.4	576.0	588.5	605.1	627.8	654.4	684.8	711.6	726.1	722.4
72.5°	530.1	531.1	536.0	546.0	558.7	577.5	602.5	631.3	656.7	677.5	680.6
75°	470.5	473.3	477.0	483.7	490.2	503.8	520.7	540.3	555.3	571.3	571.9
77.5°	355.6	364.0	366.9	368.4	371.2	382.0	396.7	413.7	426.0	428.7	428.2
80°	159.6	170.9	173.5	185.8	193.4	211.3	233.8	259.9	277.4	279.4	274.6
82.5°	31.3	33.5	39.1	48.8	66.5	77.1	91.8	110.1	127.1	136.7	130.9
85°	10.3	11.0	12.7	14.0	16.2	18.3	22.2	27.6	34.3	38.0	34.0
87.5°	4.1	4.1	4.7	5.2	5.6	5.6	5.6	5.2	4.9	4.1	3.6
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: P180061

CATALOG NUMBER: ICM-F01-LED-E1-5WQ-8030

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	107.2	107.2	107.2	107.2	107.2	107.2	107.2	107.2
2.5°	107.8	107.8	107.8	107.8	107.8	107.8	107.8	107.8
5°	110.1	110.0	110.0	109.8	109.8	109.8	109.8	109.8
7.5°	113.4	113.2	113.0	113.2	113.0	113.0	113.0	113.0
10°	118.4	118.0	117.8	117.5	117.5	117.5	117.3	117.3
12.5°	124.2	124.2	124.0	123.8	123.3	123.5	123.3	122.9
15°	132.2	131.8	131.5	131.3	130.9	130.9	130.9	130.7
17.5°	140.2	139.8	139.8	139.2	138.9	138.9	138.9	139.2
20°	149.0	148.5	148.0	147.5	147.2	147.3	146.9	147.3
22.5°	158.0	157.0	156.7	156.0	155.3	155.3	155.2	154.7
25°	166.6	165.5	165.0	164.4	163.5	163.5	163.1	162.7
27.5°	174.8	173.7	173.3	172.0	171.1	170.9	170.4	170.2
30°	183.8	182.5	182.0	180.7	179.3	179.1	178.4	178.4
32.5°	193.4	192.1	191.6	189.7	188.7	188.7	188.2	187.7
35°	205.2	203.3	202.9	200.9	199.4	199.4	199.0	199.2
37.5°	219.3	217.8	216.3	214.8	213.0	212.8	212.4	211.9
40°	238.0	236.4	234.6	232.5	231.0	230.5	229.9	229.7
42.5°	263.2	261.4	258.0	256.2	254.7	253.4	253.2	253.0
45°	295.1	292.9	290.6	287.4	285.4	282.6	282.1	281.1
47.5°	333.6	329.5	325.4	322.5	319.5	316.3	315.6	314.0
50°	374.4	371.2	364.3	359.7	355.0	351.7	349.6	348.9
52.5°	418.2	412.2	405.3	399.3	392.4	388.0	384.1	383.1
55°	464.1	455.4	446.8	439.6	432.7	427.5	423.9	422.1
57.5°	509.9	500.4	490.9	483.1	477.2	470.5	466.9	466.0
60°	557.6	548.6	538.8	531.1	523.9	518.0	515.9	511.8
62.5°	608.2	598.7	589.6	582.1	572.9	568.8	565.2	562.8
65°	657.9	646.8	635.4	627.4	618.3	612.5	607.9	604.7
67.5°	696.3	679.6	664.4	651.0	638.6	629.6	623.7	620.7
69°	707.1	686.3	666.7	649.2	634.7	624.6	618.1	615.1
70°	705.8	682.9	661.3	642.1	626.3	615.5	609.2	603.6
72.5°	665.9	644.9	620.9	599.9	585.7	575.4	569.0	566.0
75°	568.2	554.1	536.8	520.7	510.3	504.3	496.5	496.7
77.5°	413.7	414.1	402.5	385.9	374.1	372.0	368.6	365.1
80°	256.7	236.1	222.7	204.8	191.6	180.2	175.3	164.4
82.5°	118.4	92.5	71.7	54.2	41.7	32.7	28.6	23.3
85°	26.3	20.1	16.7	13.4	11.4	10.6	8.7	8.0
87.5°	3.6	3.3	3.1	2.8	2.4	1.8	1.3	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)