

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: P180063

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

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180063  
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  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE  
Light Source: (7) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2445 lumens  
Efficiency: N/A  
Efficacy: 94.4 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

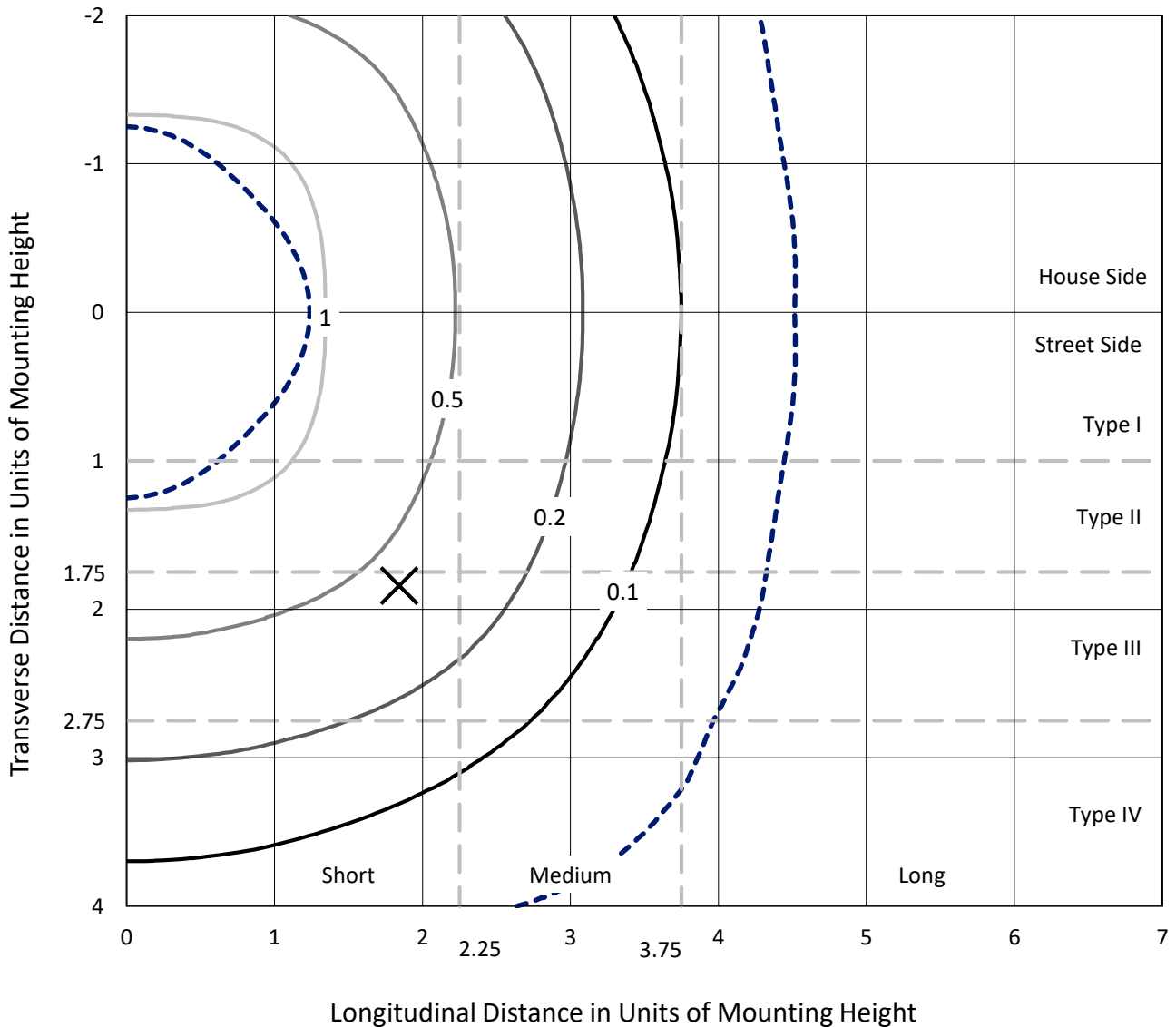


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### Iso-Footcandle Lines of Horizontal Illumination

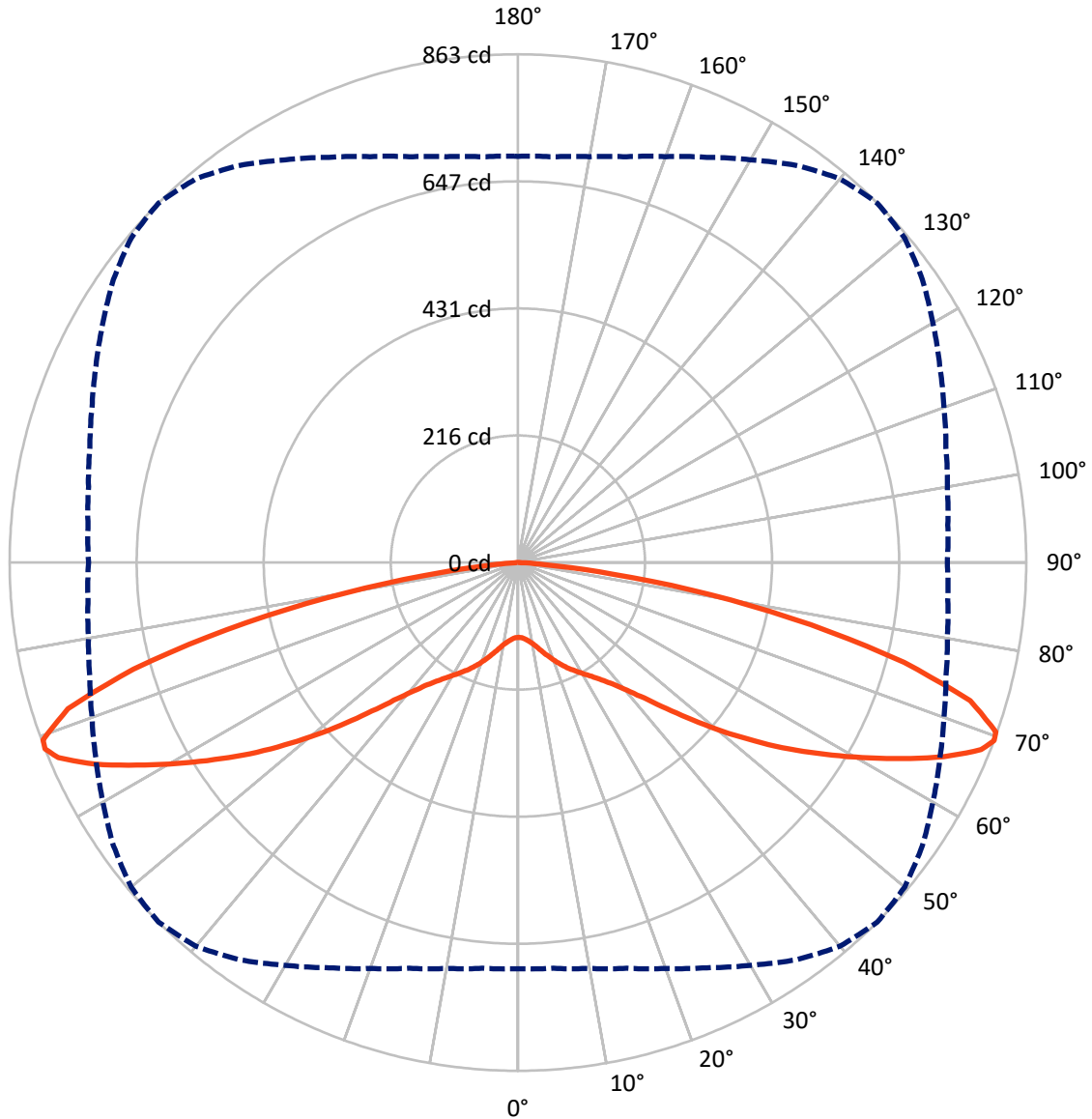
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.5 fc  
 Type V - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



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

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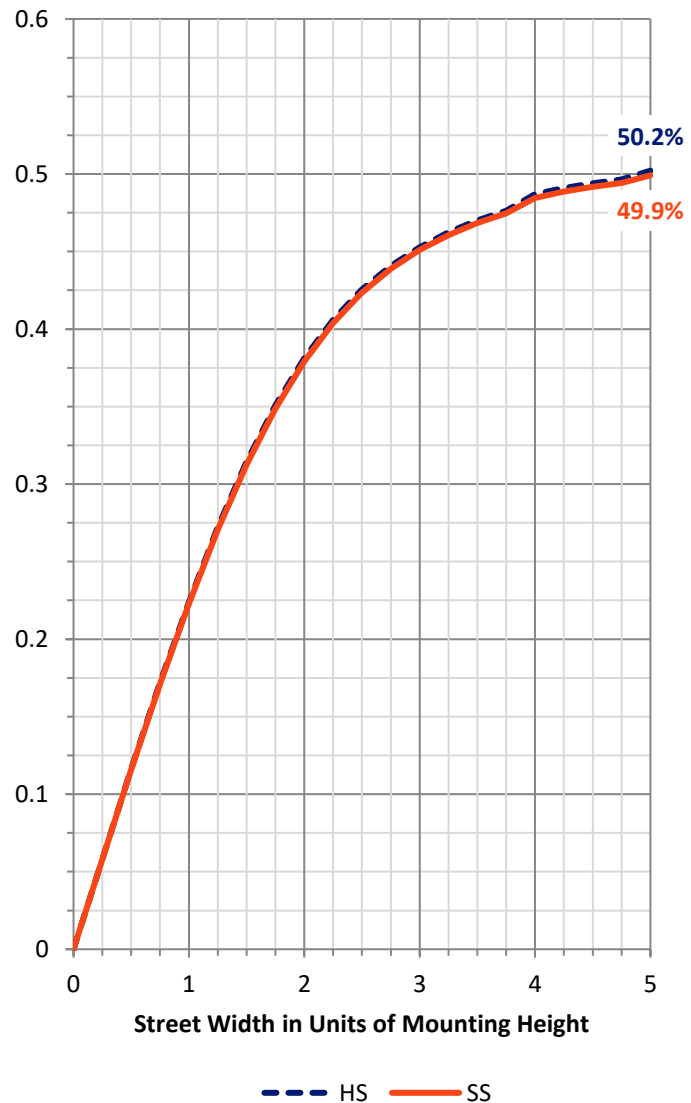
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1222.5	0.0	1222.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1222.5	0.0	1222.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2445.0	0.0	2445.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.8	0.5
10°-20°	45.0	1.8
20°-30°	91.2	3.7
30°-40°	152.8	6.3
40°-50°	269.6	11.0
50°-60°	475.4	19.4
60°-70°	725.8	29.7
70°-80°	606.5	24.8
80°-90°	65.9	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°	2445.0	100.0
0°-180°	2445.0	100.0



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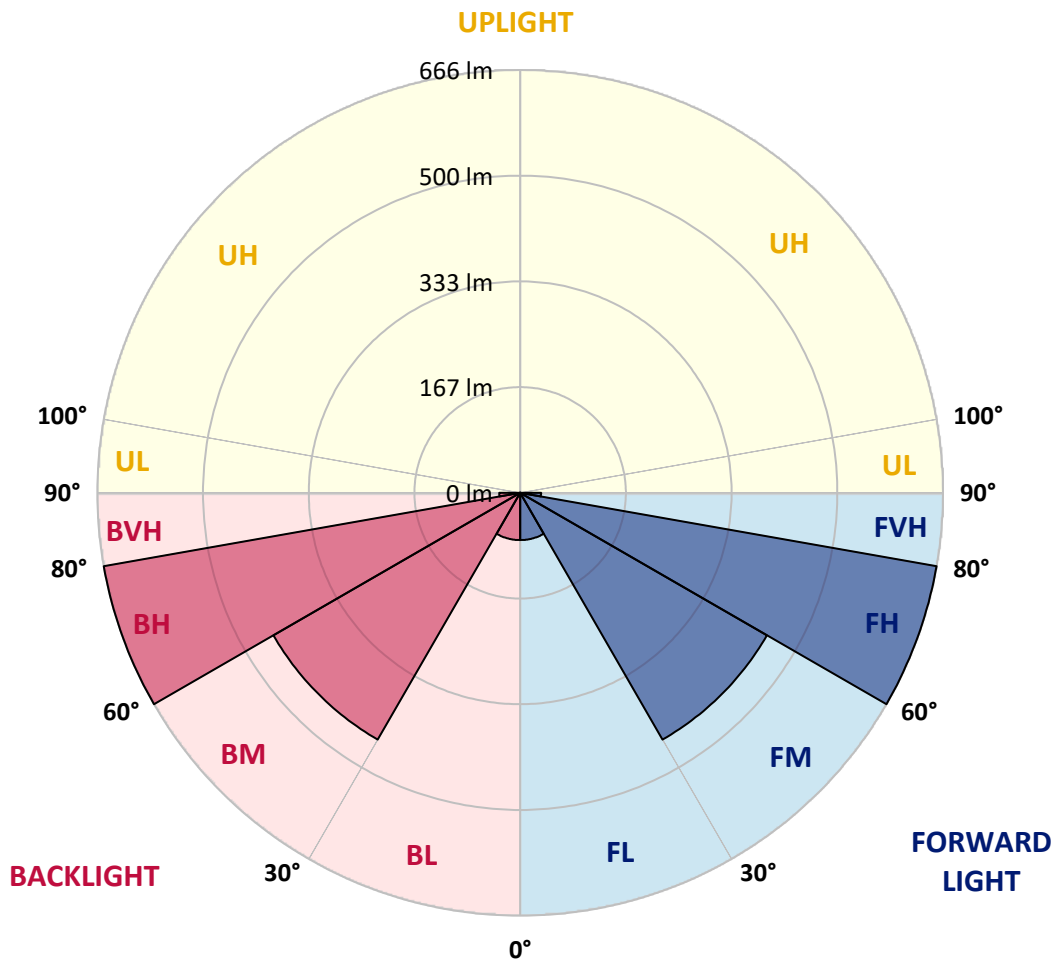
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	74.5	3.0			
FM (30°-60°)	448.9	18.4			
FH (60°-80°)	666.2	27.2			G1/1800
FVH (80°-90°)	33.0	1.3			G1/100
BL (0°-30°)	74.5	3.0	B0/110		
BM (30°-60°)	448.9	18.4	B1/1000		
BH (60°-80°)	666.2	27.2	B2/1000		G1/1800
BVH (80°-90°)	33.0	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°	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0
2.5°	128.0	128.3	128.0	128.0	128.0	128.0	128.0	127.7	127.7	127.7	128.0
5°	130.5	130.8	130.5	130.8	130.8	130.8	130.8	130.5	130.5	130.5	130.5
7.5°	134.6	134.6	134.6	134.9	134.6	134.6	134.9	134.6	134.6	134.6	134.6
10°	140.6	140.3	140.3	140.3	140.3	140.3	140.6	140.6	140.6	140.3	140.3
12.5°	147.7	147.4	147.7	147.7	148.0	148.0	148.0	148.0	148.0	148.0	147.7
15°	156.4	156.4	156.4	156.7	157.2	157.2	156.9	157.2	157.2	157.2	157.2
17.5°	166.1	166.6	166.1	166.4	166.6	166.4	166.9	167.2	167.4	167.2	166.4
20°	176.1	176.4	176.4	176.4	176.4	176.8	177.1	177.1	177.9	177.7	177.4
22.5°	185.6	186.1	186.1	186.3	186.3	187.2	187.2	187.2	187.6	188.2	187.6
25°	195.5	195.4	195.4	195.8	196.1	197.1	197.1	197.6	198.4	198.6	198.1
27.5°	204.6	204.3	204.3	205.0	205.3	206.6	206.6	207.6	208.1	208.4	207.8
30°	214.0	214.0	213.8	214.5	215.3	216.3	216.8	217.9	218.6	218.9	218.3
32.5°	225.3	224.7	225.0	225.5	226.0	227.1	227.8	229.1	230.1	230.4	229.9
35°	238.0	237.3	237.6	238.0	238.8	240.4	241.7	242.4	243.9	244.5	243.4
37.5°	252.1	252.4	252.1	253.4	254.7	256.5	258.0	259.1	260.6	261.4	260.6
40°	272.1	271.4	272.1	273.4	275.4	277.8	280.8	281.6	283.1	284.7	282.9
42.5°	298.0	297.5	299.3	300.3	302.6	305.1	308.9	311.0	313.3	314.3	312.8
45°	331.7	331.7	333.8	334.0	337.7	340.9	346.3	348.9	353.2	353.2	353.2
47.5°	369.1	370.7	371.9	374.5	377.0	383.2	388.6	394.2	398.3	398.8	398.0
50°	407.8	409.3	413.1	416.7	422.3	430.0	435.9	443.4	447.0	450.0	449.0
52.5°	450.5	450.8	455.4	460.0	468.2	476.7	486.1	493.8	500.2	503.0	500.7
55°	497.4	497.9	502.0	506.8	516.1	525.8	537.6	545.5	553.7	558.8	555.0
57.5°	548.0	548.3	552.4	558.3	569.3	579.0	590.3	601.6	609.2	613.9	611.3
60°	604.1	605.4	608.5	615.9	626.4	636.7	647.9	657.9	666.8	671.7	669.1
62.5°	664.0	665.3	669.7	675.5	684.7	696.0	706.8	719.5	727.0	732.4	728.5
65°	704.2	706.5	713.4	721.3	734.9	749.5	762.1	779.4	788.4	794.8	791.3
67.5°	706.8	708.0	716.5	728.5	746.7	768.7	794.3	821.4	839.1	847.5	841.4
69°	689.3	691.2	699.4	712.9	733.1	758.7	789.2	823.0	850.1	862.6	856.7
70°	669.7	673.5	682.4	697.3	717.0	743.9	775.4	811.4	843.2	860.4	856.0
72.5°	628.2	629.2	635.1	646.9	662.0	684.2	714.0	748.0	778.1	802.7	806.3
75°	557.5	560.8	565.2	573.1	580.8	596.9	616.9	640.2	657.9	676.8	677.6
77.5°	421.3	431.4	434.6	436.5	439.8	452.6	470.0	490.2	504.7	507.8	507.4
80°	189.2	202.5	205.6	220.2	229.1	250.3	276.9	307.9	328.7	331.0	325.3
82.5°	37.1	39.7	46.3	57.9	78.9	91.3	108.7	130.5	150.5	162.0	155.2
85°	12.3	13.0	15.1	16.7	19.2	21.8	26.3	32.7	40.7	45.0	40.2
87.5°	4.8	4.8	5.7	6.1	6.7	6.7	6.7	6.1	5.9	4.8	4.4
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°	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0
2.5°	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7
5°	130.5	130.3	130.3	130.0	130.0	130.0	130.0	130.0
7.5°	134.4	134.1	133.9	134.1	133.9	133.9	133.9	133.9
10°	140.3	139.7	139.5	139.3	139.3	139.3	139.0	139.0
12.5°	147.2	147.2	147.0	146.7	146.1	146.4	146.1	145.7
15°	156.7	156.2	155.9	155.6	155.2	155.2	155.2	154.9
17.5°	166.1	165.6	165.6	164.8	164.6	164.6	164.6	164.8
20°	176.7	175.8	175.3	174.8	174.3	174.6	174.0	174.6
22.5°	187.2	186.1	185.6	184.8	184.1	184.1	183.8	183.3
25°	197.4	196.1	195.5	194.8	193.8	193.8	193.3	192.7
27.5°	207.1	205.8	205.3	203.7	202.7	202.5	202.0	201.7
30°	217.9	216.3	215.5	214.0	212.5	212.2	211.4	211.4
32.5°	229.1	227.5	227.1	224.7	223.4	223.4	223.0	222.4
35°	243.2	240.8	240.4	238.0	236.3	236.3	235.7	236.0
37.5°	259.8	258.0	256.3	254.4	252.4	252.1	251.6	251.1
40°	282.0	280.0	278.0	275.4	273.7	273.1	272.4	272.1
42.5°	311.8	309.8	305.7	303.6	301.8	300.3	300.0	299.7
45°	349.7	347.1	344.3	340.5	338.1	334.8	334.3	333.0
47.5°	395.3	390.3	385.5	382.1	378.6	374.8	374.0	371.9
50°	443.6	439.8	431.5	426.2	420.6	416.7	414.1	413.4
52.5°	495.5	488.4	480.2	473.0	464.8	459.7	455.2	453.9
55°	549.9	539.6	529.4	520.9	512.7	506.6	502.2	500.2
57.5°	604.1	592.8	581.6	572.4	565.5	557.5	553.2	552.2
60°	660.7	650.0	638.4	629.2	620.7	613.9	611.3	606.4
62.5°	720.6	709.3	698.6	689.6	678.9	674.0	669.7	666.8
65°	779.4	766.4	752.8	743.4	732.7	725.7	720.3	716.5
67.5°	825.0	805.3	787.2	771.3	756.7	746.0	739.0	735.4
69°	837.8	813.2	790.0	769.2	752.1	740.0	732.4	728.7
70°	836.3	809.1	783.5	760.7	742.1	729.3	721.9	715.2
72.5°	788.9	764.1	735.7	710.9	694.0	681.7	674.2	670.7
75°	673.2	656.6	636.1	616.9	604.7	597.5	588.3	588.5
77.5°	490.2	490.7	476.9	457.2	443.4	440.8	436.7	432.6
80°	304.1	279.8	263.9	242.7	227.1	213.5	207.6	194.8
82.5°	140.3	109.6	85.0	64.3	49.4	38.7	33.8	27.6
85°	31.3	23.8	19.7	15.9	13.6	12.6	10.2	9.5
87.5°	4.4	3.8	3.6	3.3	2.8	2.0	1.6	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)