

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: P472249

Luminaire Tested: **CCP-VA-1-840-U-T2**

Issue Date: 01/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P472249  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 01/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-VA-1-840-U-T2  
Description: INVUE CLEARCURVE POLE MOUNT Wave Stream LUMINAIRE WITH T2 DISTRIBUTION LENS  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

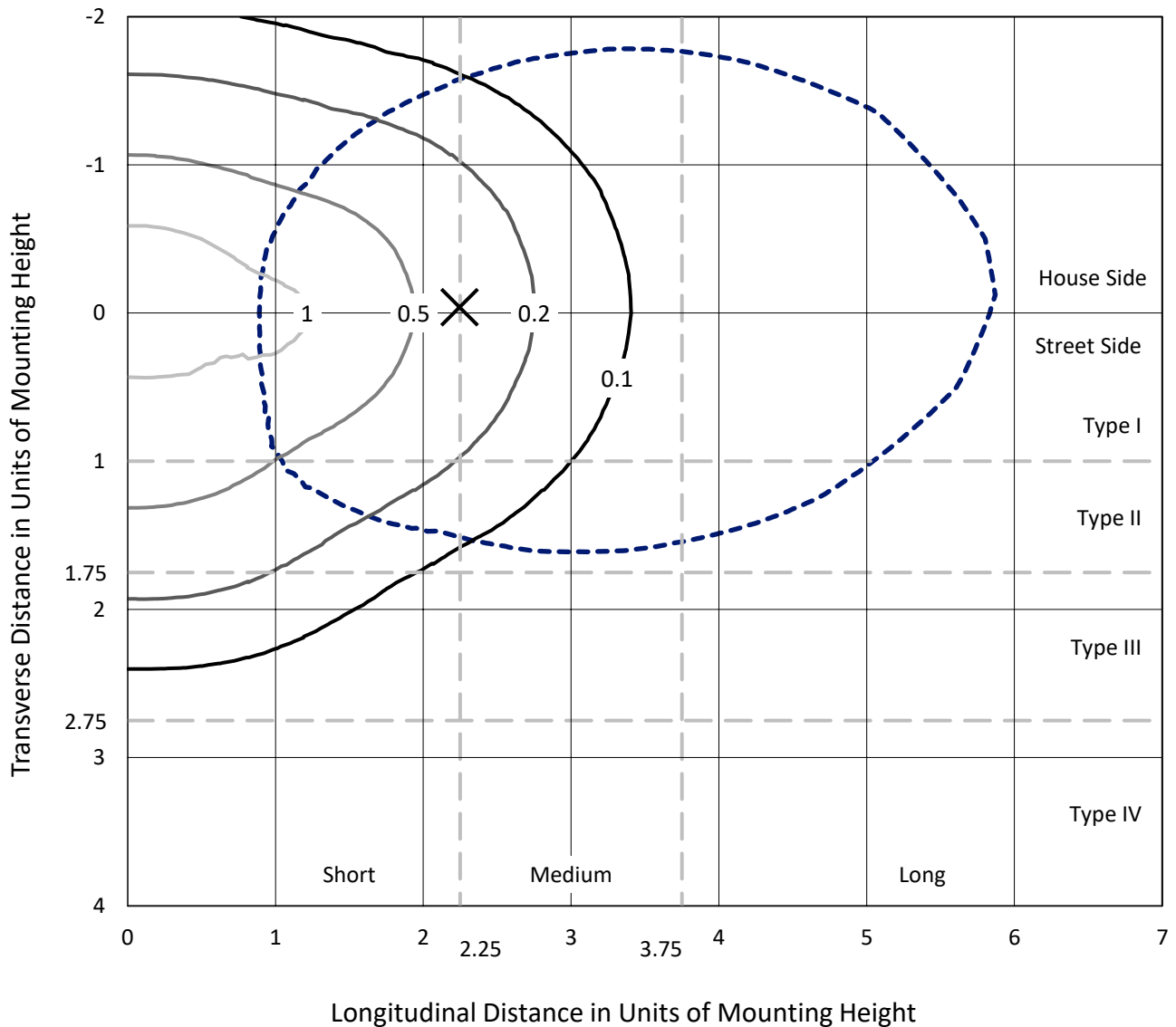
Lumens per Lamp: N/A  
Luminaire Lumens: 2672 lumens  
Efficiency: N/A  
Efficacy: 89.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.54' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2

Input Watts (W): 29.8  
Input Voltage (V): 120  
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

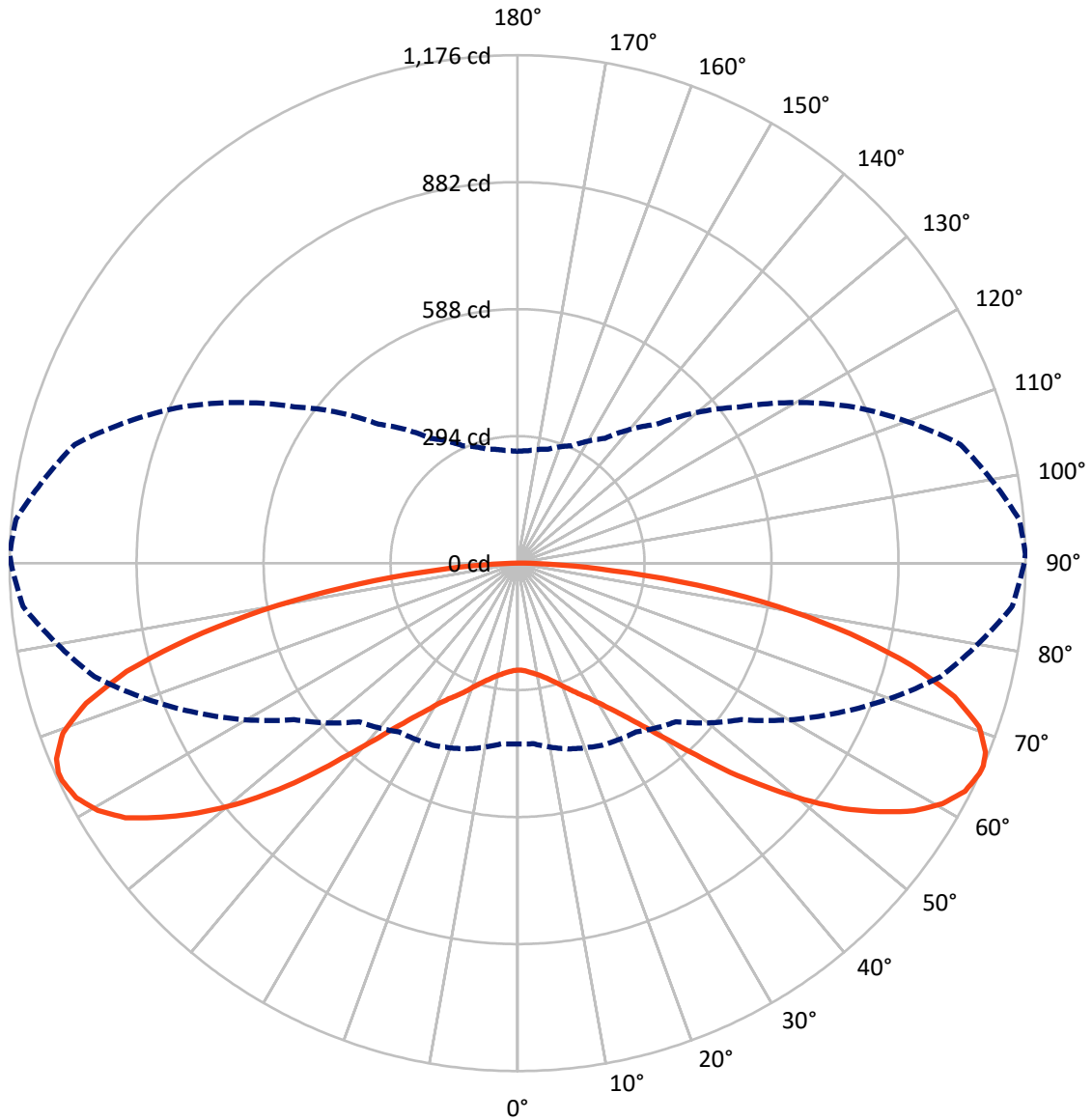
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.2 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 91-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

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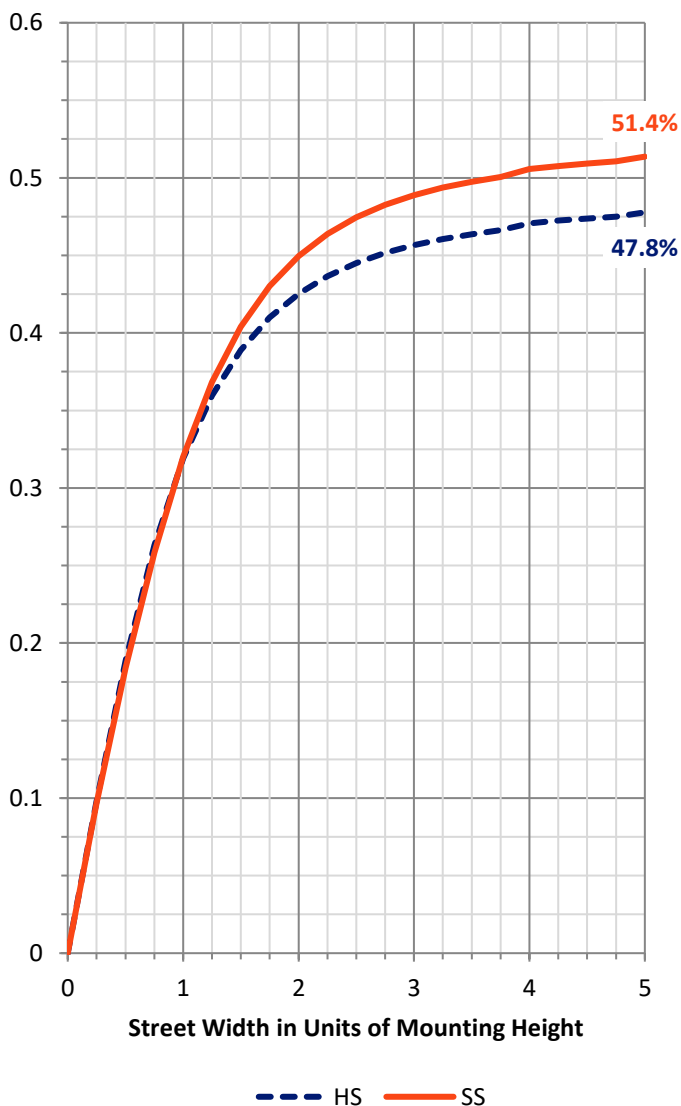
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1289.7	0.0	1289.7
	% Fixture	48.3	0.0	48.3
<b>Street Side</b>	Lumens	1382.3	0.0	1382.3
	% Fixture	51.7	0.0	51.7
<b>Total</b>	Lumens	2672.0	0.0	2672.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.4	0.9
10°-20°	79.8	3.0
20°-30°	154.3	5.8
30°-40°	253.1	9.5
40°-50°	400.9	15.0
50°-60°	552.8	20.7
60°-70°	620.8	23.2
70°-80°	464.0	17.4
80°-90°	121.9	4.6
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°	2672.0	100.0
0°-180°	2672.0	100.0



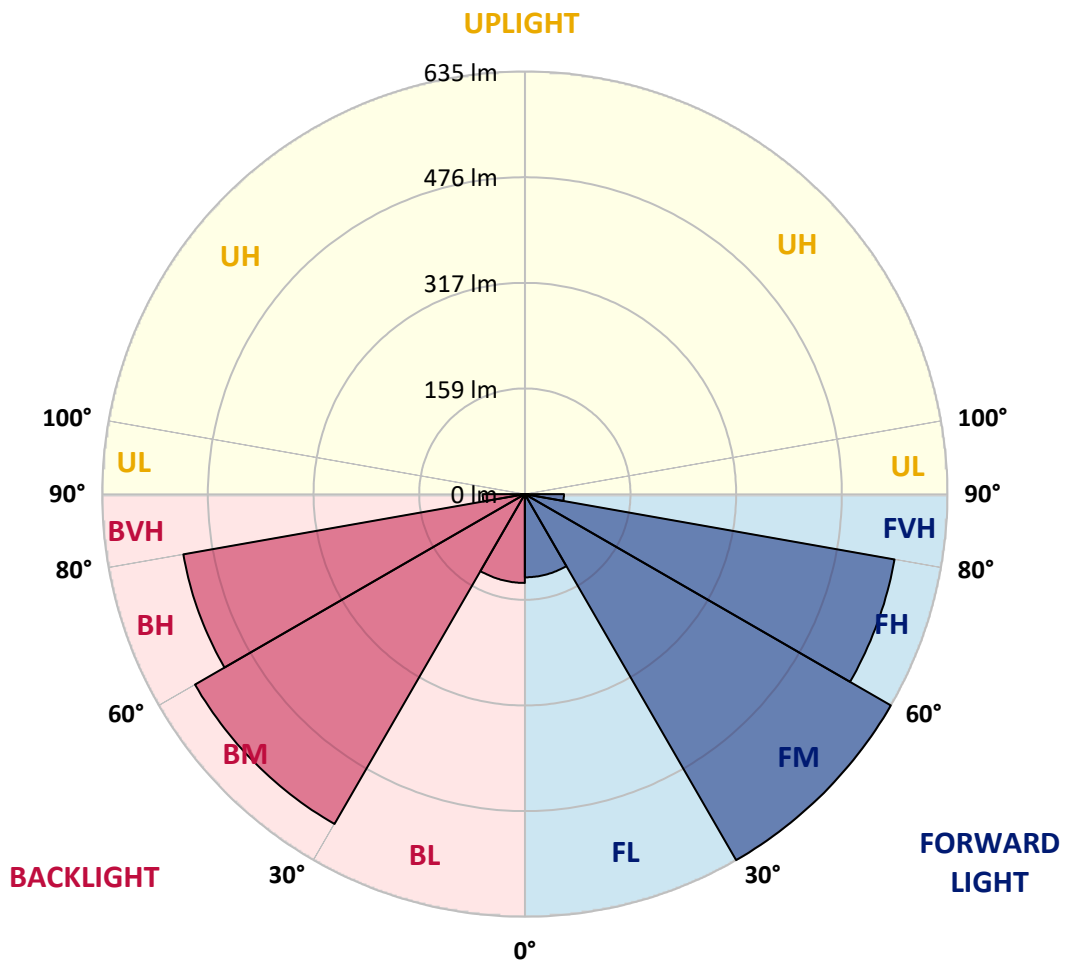
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	124.9	4.7			
FM (30°-60°)	634.8	23.8			
FH (60°-80°)	563.9	21.1			G0/660
FVH (80°-90°)	58.7	2.2			G1/100
BL (0°-30°)	133.5	5.0	B1/500		
BM (30°-60°)	572.1	21.4	B1/1000		
BH (60°-80°)	520.9	19.5	B2/1000		G2/1000
BVH (80°-90°)	63.2	2.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6
2.5°	248.5	248.5	248.5	248.5	249.5	249.5	249.5	249.5	249.5	248.5	248.5
5°	250.4	250.4	250.4	250.4	251.4	251.4	251.4	251.4	252.3	252.3	252.3
7.5°	252.3	252.3	253.3	253.3	254.2	254.2	255.2	255.2	256.1	257.0	257.0
10°	256.1	256.1	257.0	257.0	258.9	259.9	260.8	260.8	262.7	262.7	262.7
12.5°	260.8	261.8	262.7	263.7	265.5	266.5	267.4	268.4	269.3	270.3	270.3
15°	268.4	267.4	269.3	271.2	272.2	274.1	275.0	275.9	277.8	279.7	279.7
17.5°	274.1	275.0	275.9	277.8	279.7	282.6	284.4	286.3	288.2	290.1	290.1
20°	281.6	280.7	284.4	287.3	289.2	293.0	295.8	299.6	301.5	303.3	304.3
22.5°	288.2	289.2	291.1	294.8	298.6	304.3	310.0	312.8	315.6	317.5	320.4
25°	296.7	297.7	300.5	304.3	310.0	316.6	323.2	327.0	329.8	333.6	336.4
27.5°	305.2	305.2	310.0	315.6	322.2	330.8	338.3	342.1	346.8	351.5	353.4
30°	314.7	314.7	319.4	327.0	336.4	345.9	352.5	360.0	366.7	371.4	375.2
32.5°	328.9	328.9	334.5	342.1	352.5	363.8	373.3	380.8	389.3	397.8	405.4
35°	344.9	345.9	353.4	362.9	375.2	389.3	397.8	408.2	417.7	431.9	439.4
37.5°	370.4	371.4	379.9	392.2	404.5	419.6	433.8	446.0	460.2	476.3	482.0
40°	408.2	411.1	419.6	425.3	436.6	447.9	468.7	489.5	514.1	535.8	539.6
42.5°	476.3	473.4	467.8	465.9	468.7	481.0	503.7	535.8	579.3	606.7	606.7
45°	502.7	502.7	503.7	501.8	499.9	508.4	534.9	585.9	647.3	685.1	692.7
47.5°	507.5	508.4	516.9	524.5	526.4	535.8	567.9	635.0	717.3	773.0	777.7
50°	507.5	509.4	520.7	533.9	543.4	556.6	596.3	678.5	786.2	850.5	862.8
52.5°	505.6	507.5	519.8	535.8	550.9	569.8	620.9	723.9	847.7	934.6	940.3
55°	500.9	502.7	517.9	534.9	551.9	577.4	640.7	762.6	907.2	1004.5	1014.9
57.5°	495.2	498.0	514.1	532.0	548.1	579.3	653.9	792.9	955.4	1066.9	1085.8
60°	483.8	488.6	506.5	524.5	539.6	572.7	660.6	816.5	991.3	1112.3	1131.2
62.5°	461.2	465.9	485.7	505.6	520.7	556.6	656.8	827.8	1012.1	1140.6	1160.5
65°	432.8	434.7	456.4	477.2	492.3	530.1	640.7	825.9	1016.8	1150.1	1172.7
66°	418.6	419.6	445.1	464.9	477.2	518.8	631.3	819.3	1014.0	1149.1	1172.7
67.5°	393.1	397.8	419.6	440.4	454.5	493.3	608.6	804.2	1002.6	1139.7	1164.2
70°	348.7	352.5	370.4	391.2	406.4	443.2	559.4	759.8	961.1	1100.9	1129.3
72.5°	300.5	303.3	322.2	337.4	346.8	386.5	499.9	687.0	888.3	1028.2	1055.6
75°	249.5	251.4	268.4	278.8	287.3	322.2	420.5	593.5	774.0	910.0	945.9
77.5°	196.6	197.5	211.7	221.1	221.1	251.4	333.6	481.0	635.0	760.7	787.2
80°	144.6	143.6	152.1	156.9	159.7	179.6	240.0	353.4	483.8	582.1	607.6
82.5°	94.5	93.6	99.2	101.1	101.1	113.4	151.2	224.0	317.5	395.0	410.1
85°	50.1	52.0	51.0	51.0	51.0	55.8	75.6	117.2	169.2	211.7	222.1
87.5°	8.5	8.5	8.5	9.5	11.3	15.1	19.8	33.1	48.2	65.2	73.7
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):**

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6	247.6
2.5°	248.5	249.5	249.5	249.5	249.5	249.5	249.5	249.5	249.5	249.5	249.5
5°	252.3	252.3	252.3	253.3	253.3	253.3	253.3	253.3	253.3	253.3	253.3
7.5°	257.0	257.0	258.0	258.0	258.0	258.9	258.9	258.0	258.0	258.0	258.0
10°	262.7	262.7	263.7	264.6	264.6	265.5	265.5	264.6	264.6	263.7	263.7
12.5°	270.3	271.2	272.2	273.1	274.1	274.1	273.1	272.2	271.2	270.3	270.3
15°	279.7	280.7	281.6	283.5	283.5	283.5	282.6	281.6	279.7	278.8	279.7
17.5°	291.1	292.0	293.9	294.8	295.8	294.8	294.8	293.9	293.9	293.0	293.0
20°	305.2	306.2	309.0	310.0	310.0	310.9	313.7	315.6	318.5	319.4	319.4
22.5°	319.4	321.3	324.1	327.9	329.8	333.6	334.5	336.4	335.5	332.6	332.6
25°	336.4	338.3	344.0	348.7	352.5	354.4	352.5	349.7	344.9	341.1	340.2
27.5°	354.4	357.2	365.7	372.3	374.2	372.3	364.8	358.2	352.5	347.8	345.9
30°	377.1	381.8	391.2	395.0	394.1	386.5	375.2	366.7	358.2	352.5	351.5
32.5°	405.4	410.1	418.6	419.6	413.9	399.7	384.6	373.3	362.9	356.3	355.3
35°	439.4	444.2	448.9	446.0	430.0	412.0	393.1	377.1	366.7	359.1	359.1
37.5°	482.9	485.7	485.7	471.6	447.0	423.4	399.7	380.8	369.5	361.9	361.0
40°	539.6	538.7	525.4	498.0	465.9	433.8	404.5	384.6	370.4	362.9	361.9
42.5°	607.6	601.0	572.7	528.3	483.8	443.2	410.1	385.6	369.5	361.9	361.0
45°	690.8	679.5	628.4	563.2	502.7	451.7	413.0	384.6	366.7	358.2	357.2
47.5°	773.0	766.4	696.5	600.1	521.6	461.2	414.9	381.8	361.0	348.7	348.7
50°	860.0	843.9	764.5	644.5	541.5	467.8	414.9	377.1	351.5	338.3	336.4
52.5°	944.1	928.0	833.5	688.9	563.2	474.4	413.0	370.4	343.0	328.9	327.0
55°	1015.9	1002.6	900.6	739.0	585.9	479.1	410.1	362.9	334.5	321.3	319.4
57.5°	1082.0	1068.8	959.2	781.5	607.6	482.0	403.5	353.4	324.1	310.9	310.0
60°	1130.2	1119.8	1009.3	821.2	625.6	482.0	394.1	342.1	312.8	299.6	298.6
62.5°	1162.4	1152.0	1045.2	847.7	636.9	475.3	379.9	327.0	298.6	286.3	283.5
65°	1174.6	1165.2	1061.2	858.1	635.0	462.1	361.0	308.1	280.7	268.4	266.5
66°	1175.6	1165.2	1061.2	856.2	630.3	454.5	352.5	299.6	273.1	260.8	258.9
67.5°	1168.0	1158.6	1054.6	846.7	617.1	440.4	335.5	285.4	258.9	246.6	245.7
70°	1133.1	1125.5	1018.7	810.8	585.9	409.2	307.1	258.0	232.5	224.0	221.1
72.5°	1057.5	1049.0	946.9	743.7	534.9	366.7	271.2	225.9	205.1	194.7	193.7
75°	940.3	936.5	837.3	654.9	461.2	315.6	229.6	190.9	173.9	166.3	166.3
77.5°	787.2	779.6	695.5	541.5	378.9	255.2	184.3	155.0	141.8	135.1	136.1
80°	612.4	606.7	535.8	406.4	286.3	191.8	138.0	118.1	108.7	104.9	103.0
82.5°	419.6	404.5	357.2	269.3	186.2	129.5	95.4	82.2	77.5	76.5	75.6
85°	218.3	224.0	188.1	142.7	101.1	71.8	57.6	52.9	51.0	52.0	52.0
87.5°	71.8	73.7	56.7	43.5	33.1	25.5	21.7	20.8	18.0	19.8	20.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)