

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: P670914

Luminaire Tested: **CCP-SA-1A-722-U-T4FT**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P670914  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1A-722-U-T4FT  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T4FT distribution lens  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

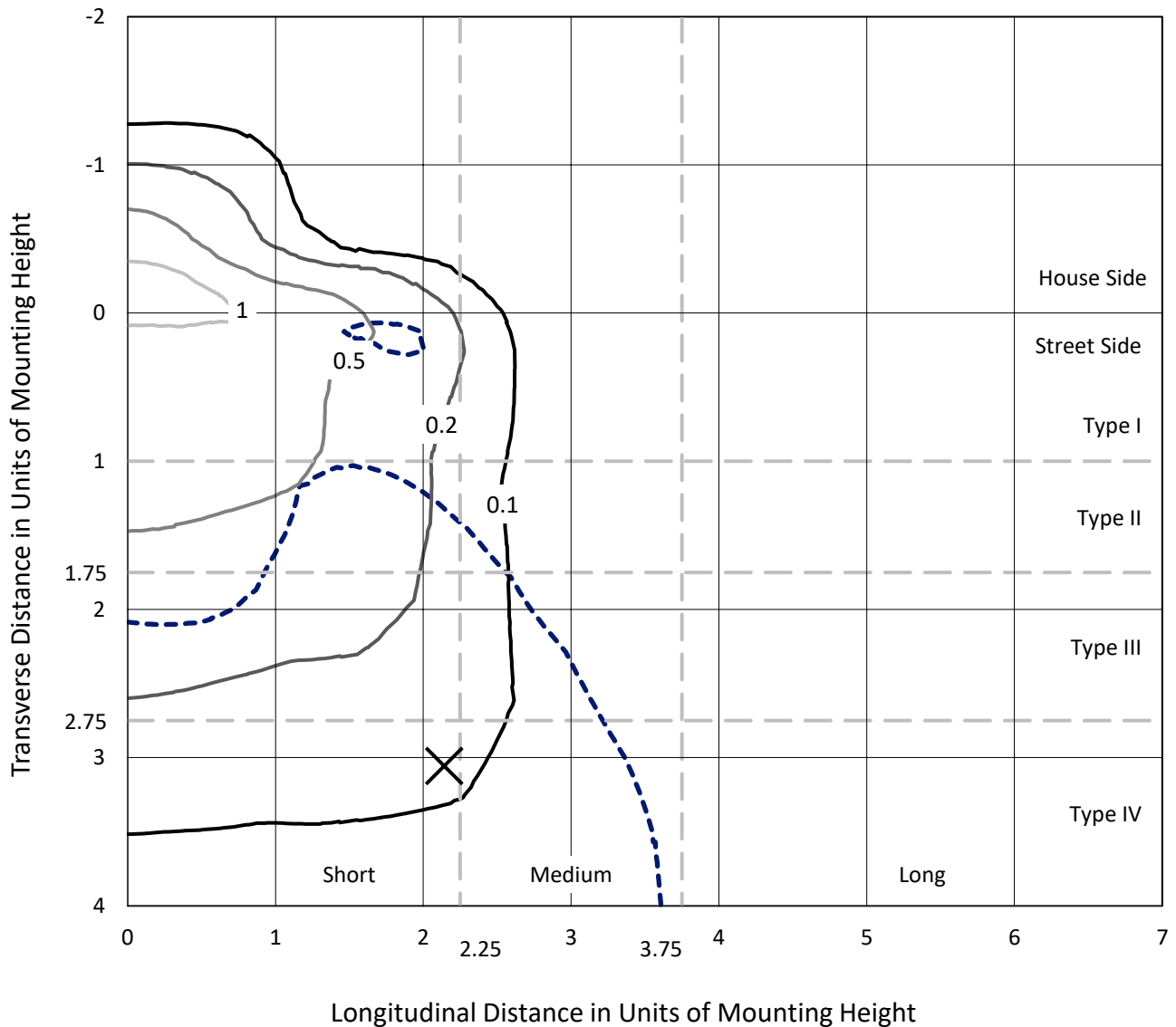
Lumens per Lamp: N/A  
Luminaire Lumens: 2013.9 lumens  
Efficiency: N/A  
Efficacy: 111.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G1

Input Watts (W): 18  
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

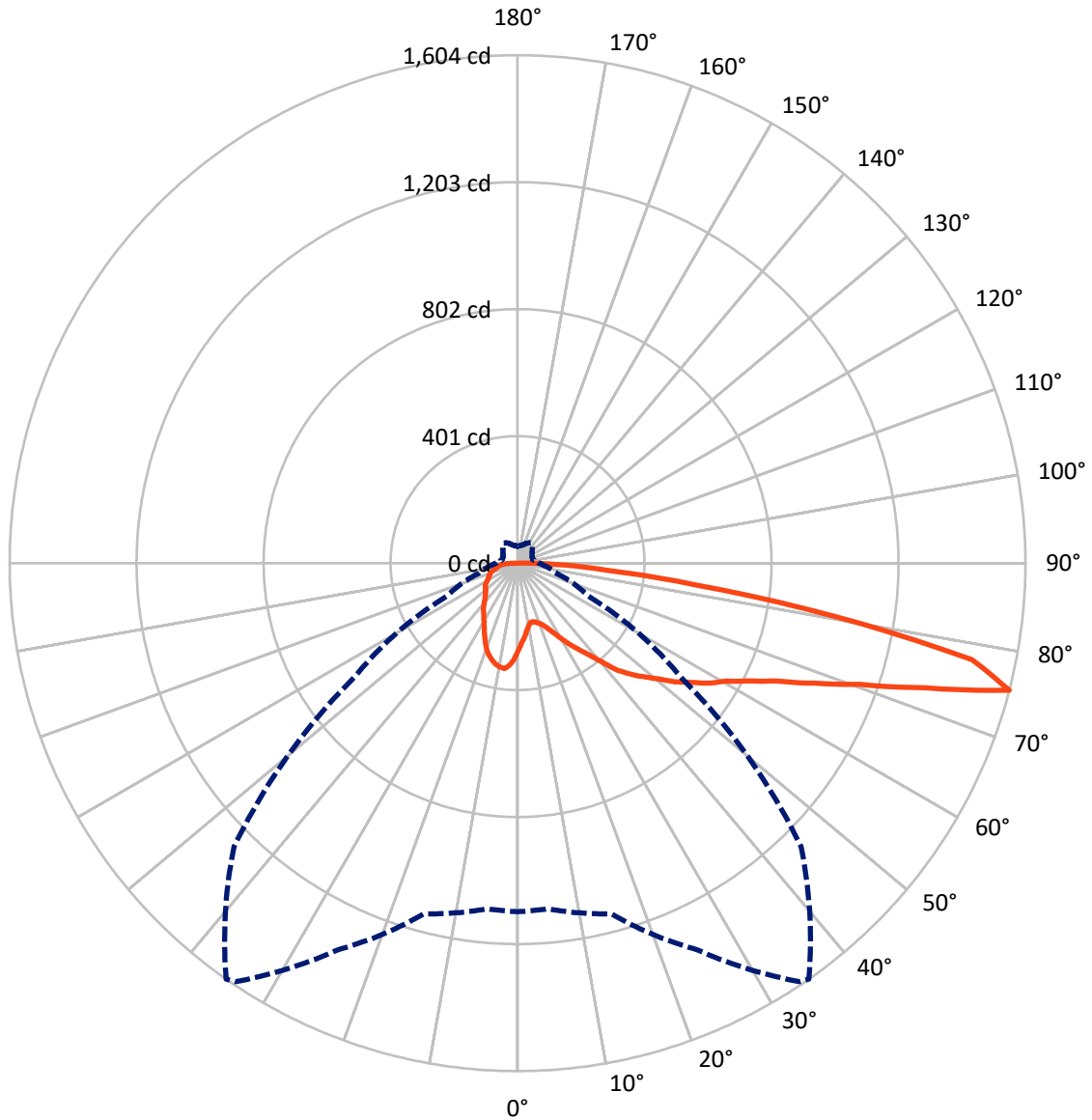
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.5 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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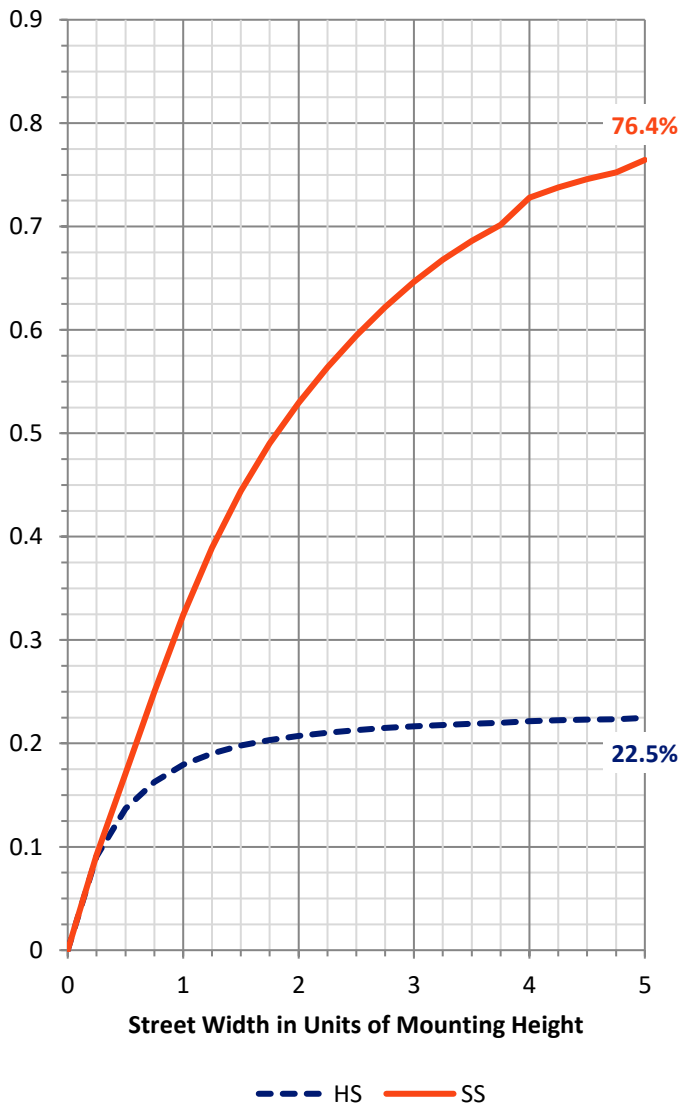
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	462.9	0.0	462.9
	% Fixture	23.0	0.0	23.0
<b>Street Side</b>	Lumens	1551.1	0.0	1551.1
	% Fixture	77.0	0.0	77.0
<b>Total</b>	Lumens	2013.9	0.0	2013.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.3	1.3
10°-20°	76.3	3.8
20°-30°	126.6	6.3
30°-40°	187.7	9.3
40°-50°	270.6	13.4
50°-60°	372.2	18.5
60°-70°	459.7	22.8
70°-80°	420.5	20.9
80°-90°	74.0	3.7
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°	2013.9	100.0
0°-180°	2013.9	100.0



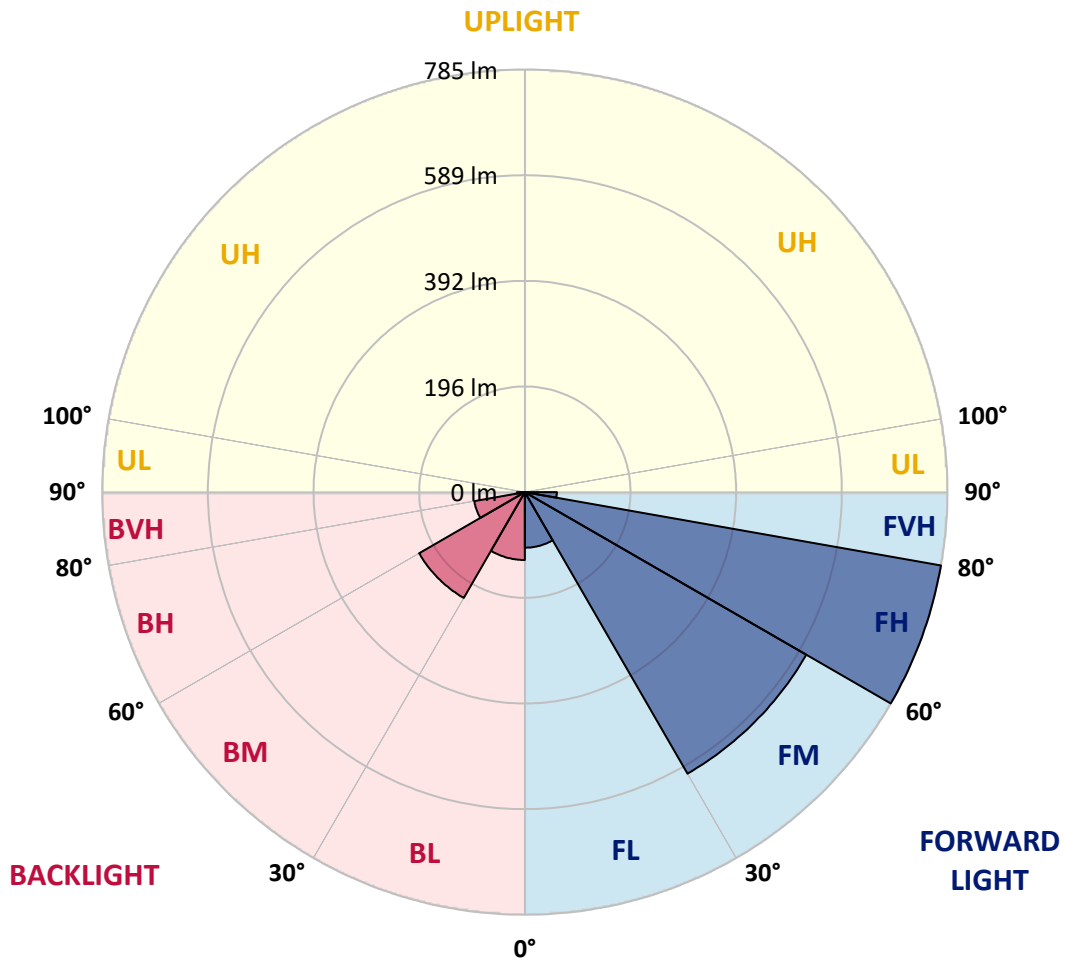
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	103.2	5.1			
FM (30°-60°)	603.7	30.0			
FH (60°-80°)	784.8	39.0			G1/1800
FVH (80°-90°)	59.4	3.0			G1/100
BL (0°-30°)	126.0	6.3	B1/500		
BM (30°-60°)	226.8	11.3	B1/1000		
BH (60°-80°)	95.4	4.7	B0/110		G0/110
BVH (80°-90°)	14.6	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	275.9	275.9	275.9	275.9	275.9	275.9	275.9	275.9	275.9	275.9	275.9
2.5°	250.0	247.7	250.0	251.4	251.4	251.4	253.7	260.3	264.8	267.8	273.0
5°	224.0	224.7	226.2	229.9	232.2	233.6	237.4	245.5	252.2	261.8	273.0
7.5°	201.0	202.5	204.7	208.4	213.6	212.9	221.0	232.2	244.8	257.4	273.7
10°	189.1	192.1	192.9	193.6	198.8	198.8	209.9	222.5	238.1	254.4	273.7
12.5°	191.4	191.4	189.1	188.4	191.4	190.6	200.3	215.1	232.2	255.2	276.7
15°	198.0	198.0	193.6	189.1	193.6	192.1	200.3	212.1	232.2	255.9	282.6
17.5°	206.9	207.7	202.5	195.1	196.6	197.3	203.2	214.4	232.2	257.4	290.8
20°	224.7	221.0	212.9	201.0	206.2	204.0	212.9	222.5	236.6	263.3	302.6
22.5°	240.3	240.3	224.7	214.4	215.1	215.1	223.3	231.4	243.3	271.5	311.5
25°	265.5	264.1	244.8	229.2	230.7	231.4	235.9	245.5	254.4	275.9	322.7
27.5°	297.4	293.7	274.4	256.6	250.7	252.9	255.2	262.6	264.8	283.3	336.0
30°	331.6	326.4	310.0	281.9	278.9	279.6	275.9	280.4	277.4	295.2	349.4
32.5°	353.1	353.1	337.5	316.7	308.6	308.6	296.0	298.9	298.9	306.3	373.1
35°	371.6	370.1	359.7	344.2	339.0	336.0	323.4	327.8	320.4	327.8	406.5
37.5°	399.8	395.3	390.9	380.5	370.1	367.9	361.2	364.2	353.8	350.1	444.3
40°	432.4	430.2	425.8	421.3	410.9	410.2	402.8	405.7	394.6	380.5	482.1
42.5°	480.6	474.0	459.9	456.2	458.4	461.4	458.4	453.2	433.2	415.4	522.9
45°	528.9	518.5	491.8	485.8	502.9	500.7	513.3	511.1	478.4	450.2	565.9
47.5°	560.0	551.1	529.6	525.9	533.3	536.3	574.1	567.4	515.5	482.1	607.5
50°	582.3	583.0	554.8	564.5	574.1	574.1	621.6	620.8	560.7	521.4	661.6
52.5°	614.9	604.5	592.6	601.5	614.9	622.3	680.9	664.6	588.9	554.8	722.4
55°	632.0	627.5	617.1	632.7	660.9	664.6	726.9	714.3	620.8	594.1	784.8
57.5°	638.6	642.3	659.4	666.1	705.4	715.0	768.4	750.6	650.5	643.1	833.0
60°	668.3	663.1	686.1	712.8	750.6	755.8	820.4	781.8	679.4	675.0	848.5
62.5°	728.4	715.0	727.6	759.5	812.2	818.9	875.2	823.3	692.0	696.5	847.8
65°	815.9	806.3	787.7	812.9	887.1	896.8	939.8	858.9	688.3	689.1	787.7
67.5°	919.0	903.4	884.1	899.7	990.2	1012.5	1018.4	874.5	662.4	647.5	640.9
70°	1009.5	999.1	986.5	1013.2	1139.3	1147.5	1116.3	864.9	590.4	520.0	427.2
72.5°	1094.1	1088.9	1096.3	1196.4	1341.0	1346.2	1208.3	804.0	466.5	315.2	198.8
75°	1100.7	1095.5	1146.7	1347.7	1594.0	1603.6	1265.4	630.5	246.3	128.3	83.8
77.5°	745.4	761.0	856.7	1180.1	1464.2	1466.4	1034.7	293.0	101.6	75.7	58.6
80°	183.2	203.2	322.7	610.4	987.2	1011.7	566.7	98.7	66.8	57.9	43.8
82.5°	66.8	72.7	131.3	275.9	554.8	564.5	198.0	53.4	48.2	44.5	31.9
85°	31.9	32.6	62.3	135.7	280.4	277.4	71.2	31.9	34.9	30.4	19.3
87.5°	13.4	13.4	27.4	63.0	123.9	120.2	23.0	14.8	20.0	17.8	9.6
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	275.9	275.9	275.9	275.9	275.9	275.9	275.9	275.9	275.9	275.9	275.9
2.5°	276.7	278.1	284.1	288.5	293.0	296.7	302.6	302.6	306.3	306.3	306.3
5°	275.9	284.1	293.7	304.1	310.8	317.5	323.4	324.1	326.4	329.3	330.1
7.5°	278.9	287.0	302.6	317.5	325.6	328.6	336.0	333.8	333.8	333.8	336.0
10°	284.8	293.7	315.2	328.6	334.5	335.3	333.0	331.6	327.1	325.6	323.4
12.5°	289.3	304.9	326.4	336.7	334.5	332.3	327.1	319.7	314.5	313.0	313.0
15°	300.4	316.0	336.0	339.7	336.0	324.1	317.5	309.3	304.9	298.2	301.1
17.5°	310.0	327.8	345.6	341.2	333.8	315.2	305.6	293.7	287.8	280.4	280.4
20°	322.7	339.0	354.5	342.7	326.4	306.3	290.8	275.9	267.8	260.3	261.8
22.5°	336.7	351.6	359.7	336.7	315.2	292.2	270.7	256.6	246.3	241.8	243.3
25°	347.9	364.2	362.7	327.1	301.9	274.4	250.7	237.4	235.1	230.7	230.7
27.5°	362.0	379.0	360.5	315.2	279.6	246.3	231.4	226.2	226.2	224.0	225.5
30°	380.5	392.4	355.3	298.2	251.4	221.0	213.6	216.6	221.8	219.6	220.3
32.5°	410.9	409.4	350.8	278.9	221.8	196.6	201.8	207.7	212.1	214.4	215.8
35°	440.6	430.9	345.6	252.9	194.3	184.7	189.1	195.8	204.0	206.2	206.9
37.5°	470.3	453.2	336.7	221.0	177.3	174.3	178.8	182.5	189.1	190.6	192.1
40°	501.4	468.0	321.2	189.9	163.2	163.2	166.1	166.9	170.6	172.8	174.3
42.5°	528.9	482.1	293.0	161.0	148.3	153.5	154.3	152.8	149.8	151.3	152.1
45°	562.2	497.7	260.3	140.2	137.2	143.9	145.4	139.4	134.3	131.3	129.8
47.5°	594.9	514.0	232.2	123.1	126.8	137.2	137.2	130.5	121.6	114.2	111.3
50°	624.5	530.3	209.2	112.7	116.5	132.0	133.5	120.9	111.3	102.4	100.9
52.5°	674.2	557.8	185.4	104.6	110.5	128.3	127.6	116.5	103.8	94.2	93.5
55°	718.0	585.2	154.3	96.4	104.6	123.1	125.4	112.0	94.9	86.0	84.6
57.5°	749.9	591.9	123.1	88.3	98.7	117.2	120.2	103.1	89.0	81.6	80.8
60°	755.8	565.9	100.1	81.6	90.5	109.0	111.3	97.9	84.6	78.6	77.1
62.5°	728.4	516.2	85.3	75.7	83.8	100.9	105.3	92.0	80.1	74.9	74.2
65°	666.1	443.6	74.9	70.5	79.4	94.9	100.1	87.5	76.4	71.9	71.2
67.5°	527.4	340.5	66.8	66.8	73.4	89.0	96.4	84.6	72.7	69.7	69.0
70°	344.9	204.7	60.8	61.6	69.0	83.8	92.0	80.8	68.2	67.5	66.0
72.5°	148.3	94.2	54.1	56.4	62.3	74.9	85.3	75.7	63.0	60.8	58.6
75°	68.2	57.1	49.0	50.4	55.6	66.0	77.1	69.7	58.6	54.9	52.7
77.5°	48.2	41.5	40.8	43.8	47.5	57.1	68.2	65.3	54.1	51.2	49.7
80°	35.6	31.9	34.1	37.1	39.3	52.7	64.5	60.1	49.7	45.2	43.0
82.5°	25.2	23.7	26.7	29.7	31.9	46.0	59.3	52.7	41.5	37.8	34.1
85°	14.8	15.6	18.5	20.0	22.3	34.1	49.7	42.3	31.9	24.5	23.7
87.5°	6.7	6.7	8.9	9.6	11.1	20.0	33.4	26.7	20.0	15.6	14.8
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)