

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: P674978

Luminaire Tested: **CCW-SA-1A-740-U-T3**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674978  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1A-740-U-T3  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/  
T3 distribution lens  
Light Source: (16) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2764.2 lumens  
Efficiency: N/A  
Efficacy: 153.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1

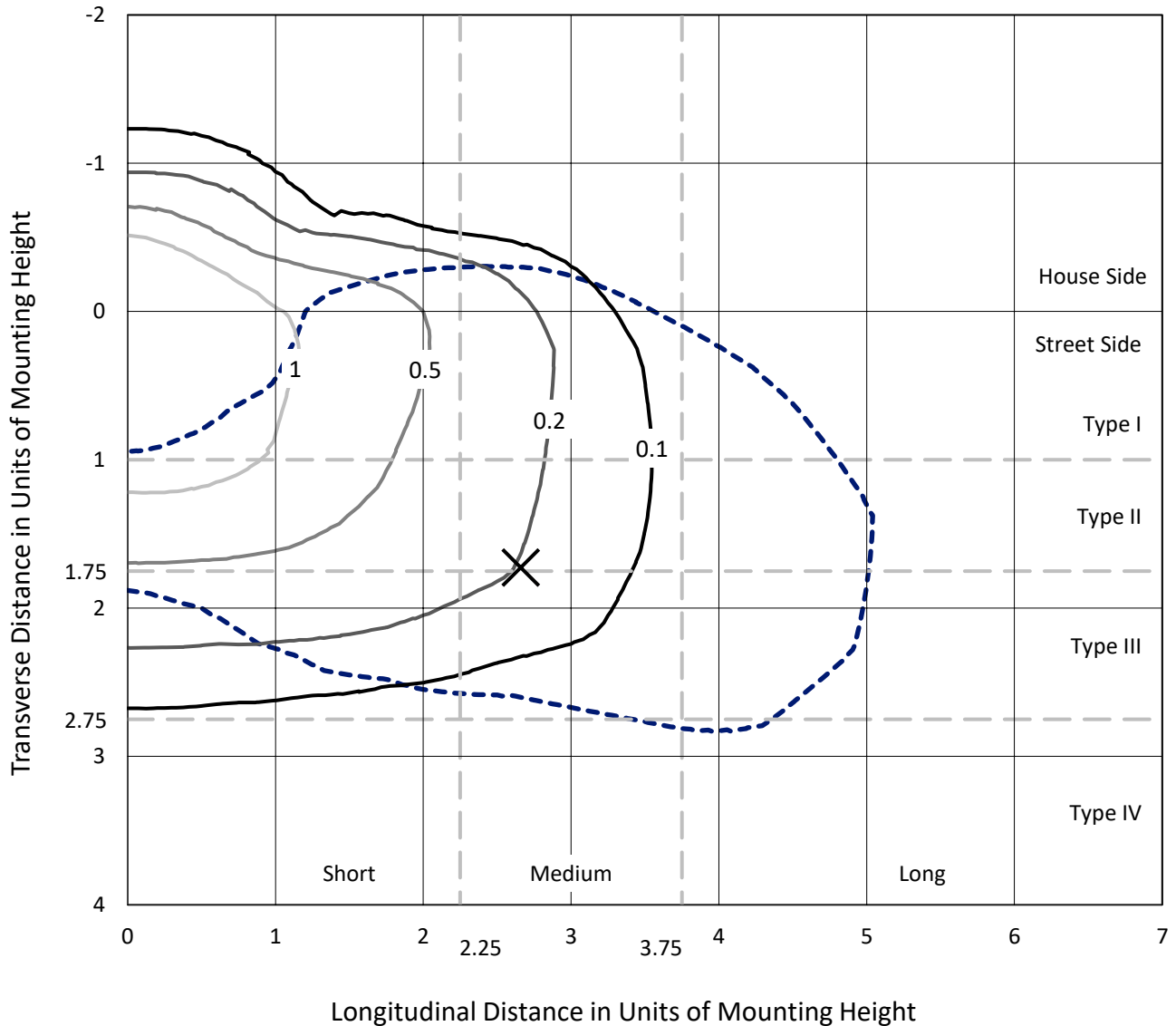
Input Watts (W): 18  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

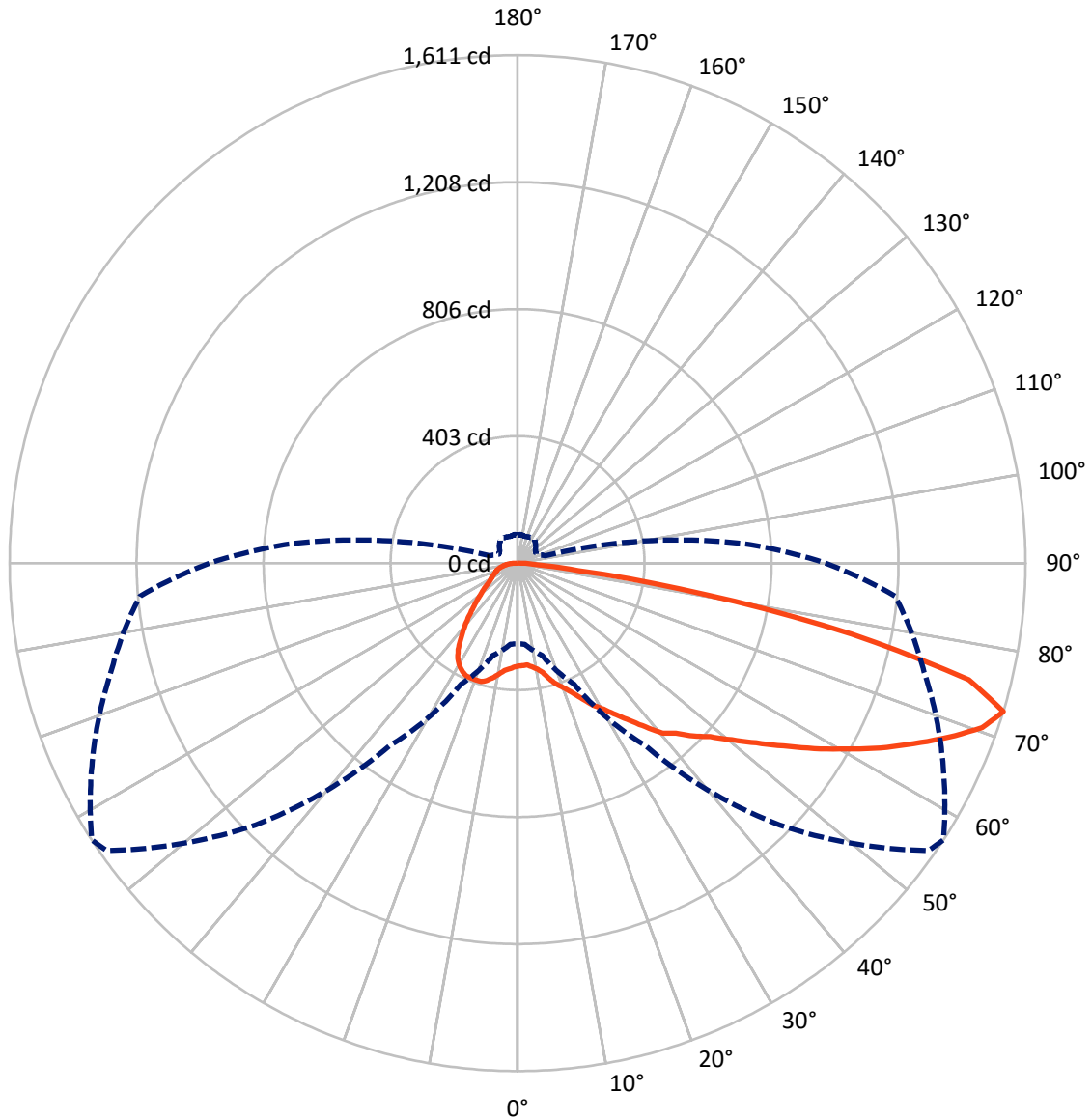
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.7 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	645.5	0.0	645.5
	% Fixture	23.4	0.0	23.4
<b>Street Side</b>	Lumens	2118.7	0.0	2118.7
	% Fixture	76.6	0.0	76.6
<b>Total</b>	Lumens	2764.2	0.0	2764.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.4	1.2
10°-20°	109.1	3.9
20°-30°	199.5	7.2
30°-40°	292.7	10.6
40°-50°	403.0	14.6
50°-60°	552.7	20.0
60°-70°	666.2	24.1
70°-80°	443.8	16.1
80°-90°	64.6	2.3
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°	2764.2	100.0
0°-180°	2764.2	100.0



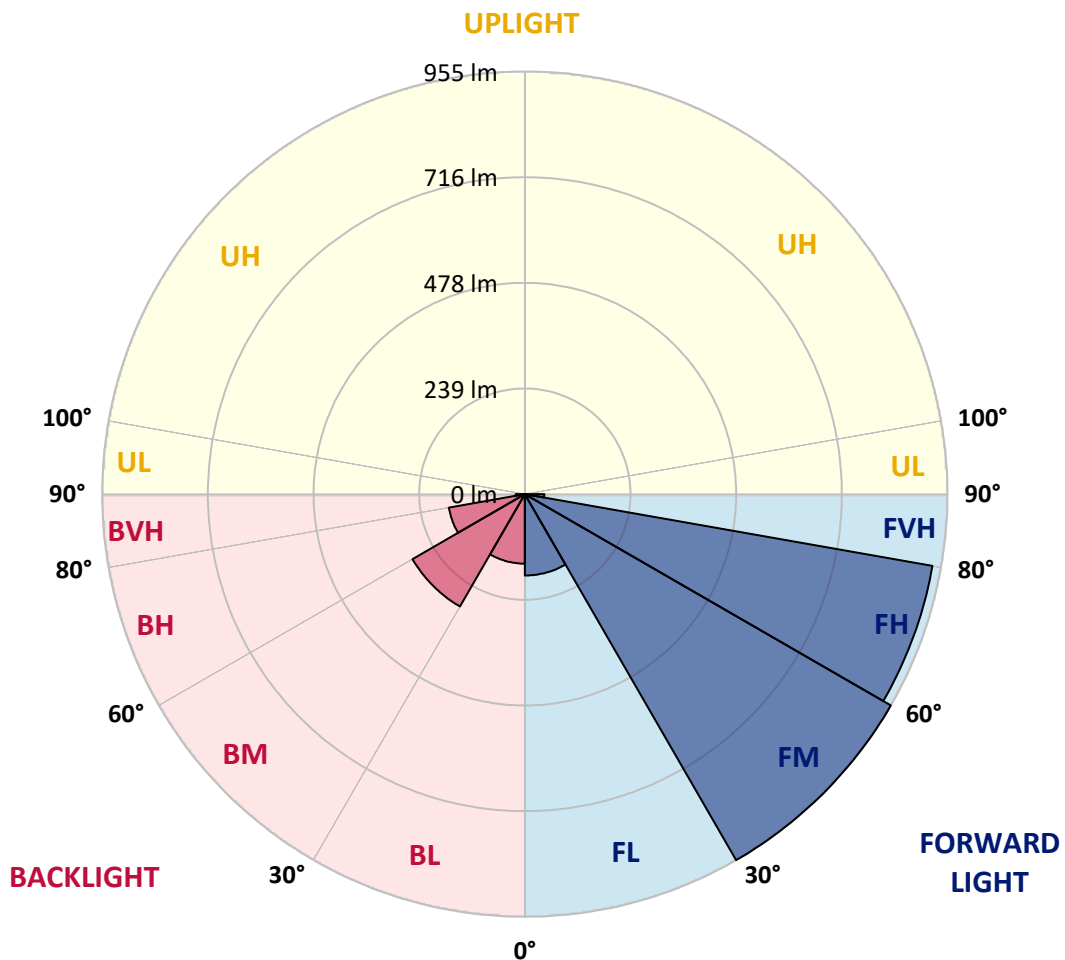
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	183.9	6.7			
FM (30°-60°)	955.3	34.6			
FH (60°-80°)	935.5	33.8			G1/1800
FVH (80°-90°)	44.0	1.6			G1/100
BL (0°-30°)	157.2	5.7	B1/500		
BM (30°-60°)	293.2	10.6	B1/1000		
BH (60°-80°)	174.5	6.3	B1/500		G1/500
BVH (80°-90°)	20.6	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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	326.3	326.3	326.3	326.3	326.3	326.3	326.3	326.3	326.3	326.3	326.3
2.5°	320.2	321.2	323.2	322.2	322.2	319.2	324.3	325.3	323.2	324.3	326.3
5°	320.2	322.2	325.3	323.2	324.3	323.2	321.2	324.3	324.3	325.3	328.3
7.5°	337.3	336.3	336.3	333.3	332.3	331.3	332.3	332.3	330.3	331.3	331.3
10°	356.5	356.5	354.5	354.5	352.4	347.4	342.4	341.4	338.4	339.4	339.4
12.5°	376.6	378.6	380.6	374.6	372.6	364.5	361.5	355.5	355.5	353.5	352.4
15°	401.8	398.8	400.8	398.8	393.7	385.7	380.6	381.7	374.6	372.6	369.6
17.5°	423.9	425.0	421.9	419.9	410.9	404.8	405.8	404.8	395.7	392.7	387.7
20°	450.1	449.1	449.1	443.1	435.0	427.0	423.9	422.9	425.0	418.9	406.8
22.5°	477.3	473.3	473.3	468.3	457.2	452.1	450.1	446.1	448.1	443.1	425.0
25°	499.5	499.5	506.5	496.4	490.4	480.3	476.3	477.3	478.3	468.3	447.1
27.5°	528.7	523.6	530.7	525.7	522.6	511.6	506.5	509.5	507.5	496.4	467.2
30°	565.9	566.9	562.9	555.9	551.8	543.8	540.8	537.7	540.8	526.7	489.4
32.5°	612.3	615.3	605.2	597.1	590.1	582.0	576.0	573.0	576.0	554.9	506.5
35°	665.6	668.6	660.6	651.5	643.5	623.3	618.3	613.3	602.2	567.9	522.6
37.5°	715.0	710.9	708.9	708.9	693.8	664.6	661.6	658.6	637.4	594.1	544.8
40°	748.2	753.2	751.2	749.2	747.2	720.0	714.0	708.9	673.7	633.4	576.0
42.5°	785.5	782.4	790.5	793.5	786.5	778.4	754.2	737.1	705.9	673.7	622.3
45°	829.8	827.8	830.8	841.8	831.8	834.8	794.5	782.4	743.2	724.0	680.7
47.5°	869.0	874.1	889.2	892.2	884.1	898.2	841.8	822.7	797.5	782.4	741.1
50°	886.2	892.2	926.4	947.6	948.6	970.7	889.2	881.1	846.9	852.9	816.7
52.5°	872.1	891.2	932.5	987.9	1022.1	1044.3	951.6	947.6	916.4	935.5	899.2
55°	885.1	903.3	930.5	1008.0	1094.6	1099.6	1038.2	1023.1	991.9	1018.1	984.8
57.5°	891.2	881.1	932.5	1030.2	1148.0	1161.1	1120.8	1109.7	1085.5	1110.7	1091.6
60°	843.9	855.9	904.3	1024.1	1151.0	1226.5	1213.4	1197.3	1175.2	1198.3	1187.2
62.5°	790.5	798.5	850.9	987.9	1168.1	1273.8	1303.1	1291.0	1259.8	1279.9	1299.0
65°	723.0	724.0	782.4	923.4	1134.9	1301.0	1381.6	1380.6	1358.4	1353.4	1383.6
67.5°	640.4	648.5	694.8	854.9	1089.6	1331.2	1459.1	1474.2	1429.9	1390.7	1401.7
70°	491.4	499.5	543.8	700.9	996.9	1322.2	1554.8	1562.9	1476.3	1376.6	1348.4
72.5°	255.8	257.8	303.1	422.9	706.9	1174.2	1590.0	1611.2	1488.3	1335.3	1202.4
75°	84.6	84.6	103.7	161.1	333.3	751.2	1440.0	1478.3	1428.9	1232.6	983.8
77.5°	50.3	51.4	61.4	80.6	132.9	300.1	1015.1	1082.5	1169.1	1048.3	719.0
80°	36.3	37.3	46.3	55.4	79.6	96.7	509.5	603.2	718.0	674.7	383.7
82.5°	27.2	27.2	36.3	41.3	54.4	57.4	142.0	194.4	310.2	241.7	105.7
85°	28.2	28.2	28.2	29.2	37.3	33.2	59.4	63.4	90.6	79.6	29.2
87.5°	10.1	11.1	28.2	19.1	19.1	14.1	23.2	25.2	32.2	33.2	11.1
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°	326.3	326.3	326.3	326.3	326.3	326.3	326.3	326.3	326.3	326.3	326.3
2.5°	327.3	327.3	328.3	328.3	330.3	332.3	335.3	333.3	333.3	334.3	333.3
5°	326.3	327.3	330.3	335.3	337.3	338.4	344.4	344.4	344.4	346.4	346.4
7.5°	330.3	332.3	337.3	342.4	343.4	346.4	354.5	356.5	361.5	363.5	364.5
10°	340.4	343.4	347.4	353.5	357.5	361.5	367.6	374.6	373.6	379.6	380.6
12.5°	355.5	354.5	361.5	367.6	371.6	377.6	379.6	379.6	379.6	379.6	381.7
15°	367.6	369.6	375.6	379.6	384.7	383.7	379.6	375.6	376.6	375.6	375.6
17.5°	385.7	385.7	390.7	391.7	393.7	383.7	377.6	377.6	380.6	380.6	378.6
20°	403.8	402.8	404.8	403.8	390.7	378.6	377.6	378.6	379.6	378.6	377.6
22.5°	420.9	418.9	415.9	411.9	388.7	377.6	375.6	370.6	365.5	365.5	362.5
25°	436.0	434.0	426.0	413.9	387.7	371.6	361.5	349.4	343.4	340.4	344.4
27.5°	450.1	446.1	435.0	413.9	378.6	355.5	336.3	321.2	316.2	312.2	316.2
30°	469.3	462.2	447.1	410.9	364.5	330.3	304.1	286.0	281.0	274.9	276.9
32.5°	486.4	470.3	457.2	401.8	346.4	302.1	271.9	253.8	244.7	239.7	243.7
35°	504.5	488.4	461.2	387.7	318.2	267.9	237.7	220.5	213.5	206.4	206.4
37.5°	522.6	513.6	467.2	361.5	284.0	235.6	208.4	195.4	183.3	170.2	170.2
40°	560.9	548.8	474.3	331.3	249.7	204.4	185.3	168.2	156.1	138.0	137.0
42.5°	601.2	575.0	474.3	295.0	219.5	182.3	164.1	146.0	123.9	112.8	113.8
45°	652.5	622.3	461.2	262.8	189.3	164.1	144.0	120.8	110.8	103.7	103.7
47.5°	717.0	669.7	445.1	227.6	165.1	148.0	122.9	108.8	101.7	95.7	94.7
50°	793.5	713.0	425.0	197.4	145.0	132.9	111.8	100.7	94.7	90.6	90.6
52.5°	874.1	776.4	410.9	170.2	128.9	112.8	103.7	96.7	91.6	88.6	87.6
55°	955.6	839.8	400.8	141.0	113.8	103.7	101.7	95.7	93.7	90.6	88.6
57.5°	1047.3	892.2	398.8	120.8	101.7	99.7	103.7	98.7	95.7	92.6	89.6
60°	1146.0	962.7	380.6	104.7	95.7	97.7	100.7	95.7	93.7	90.6	88.6
62.5°	1243.6	1015.1	331.3	92.6	89.6	91.6	95.7	91.6	88.6	89.6	90.6
65°	1283.9	1019.1	256.8	83.6	82.6	83.6	89.6	88.6	85.6	91.6	91.6
67.5°	1243.6	982.8	181.3	75.5	75.5	80.6	90.6	92.6	89.6	97.7	96.7
70°	1152.0	893.2	122.9	70.5	72.5	85.6	93.7	91.6	87.6	97.7	95.7
72.5°	977.8	715.0	89.6	65.5	68.5	81.6	92.6	90.6	87.6	91.6	87.6
75°	734.1	508.5	70.5	59.4	60.4	73.5	95.7	90.6	82.6	80.6	77.5
77.5°	490.4	314.2	54.4	52.4	52.4	64.4	91.6	84.6	74.5	71.5	70.5
80°	233.6	125.9	43.3	44.3	45.3	55.4	83.6	75.5	67.5	63.4	63.4
82.5°	74.5	47.3	36.3	36.3	36.3	45.3	69.5	63.4	58.4	55.4	50.3
85°	26.2	26.2	31.2	32.2	29.2	33.2	57.4	54.4	48.3	40.3	39.3
87.5°	10.1	15.1	21.1	25.2	18.1	23.2	41.3	38.3	35.2	26.2	25.2
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)