

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: P674735

Luminaire Tested: **CCP-SA-1A-827-U-T3R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674735  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1A-827-U-T3R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T3R distribution lens and House Side Shield  
Light Source: (16) 2700K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

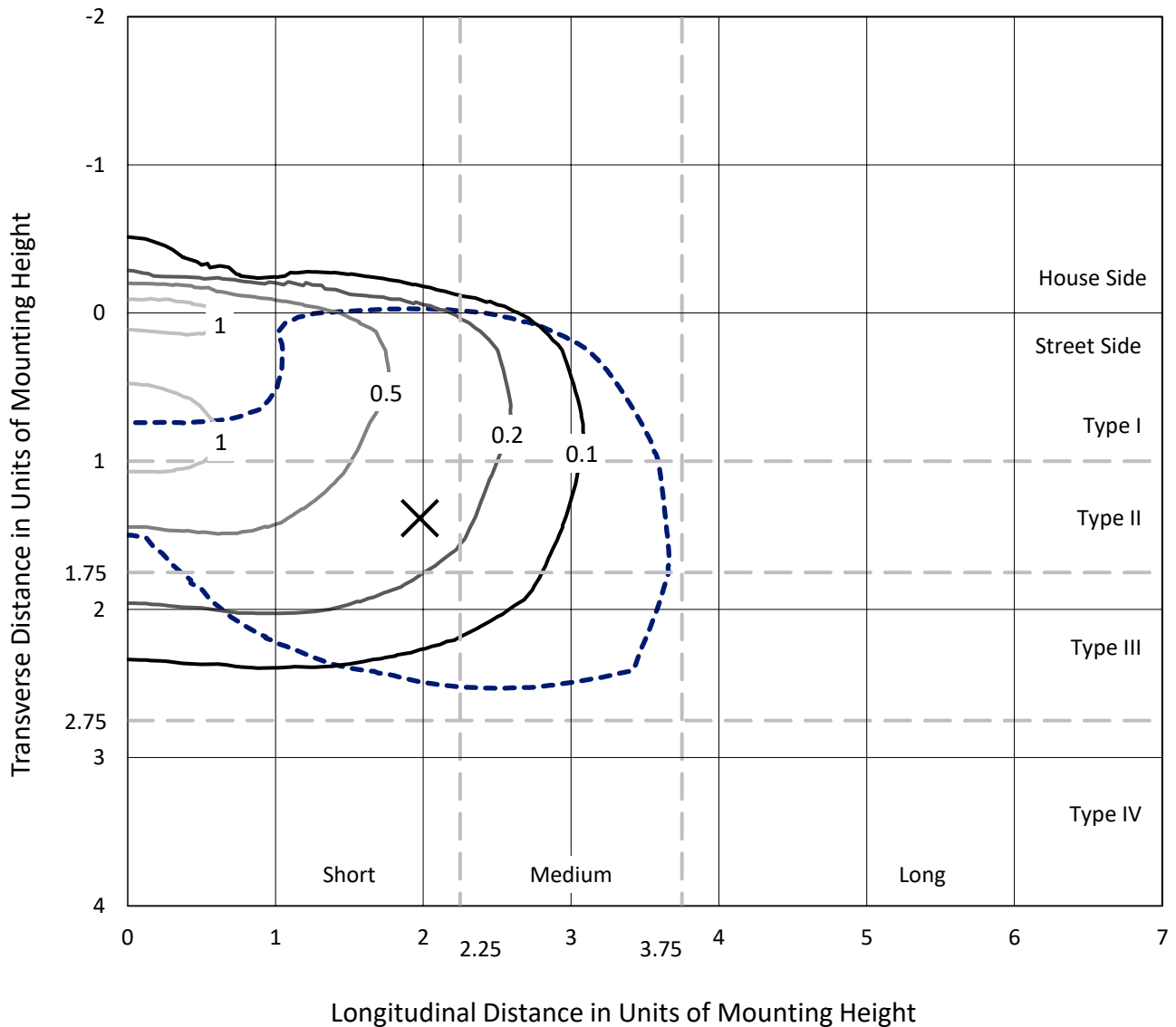
Lumens per Lamp: N/A  
Luminaire Lumens: 1595 lumens  
Efficiency: N/A  
Efficacy: 88.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B0 - U0 - G1

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

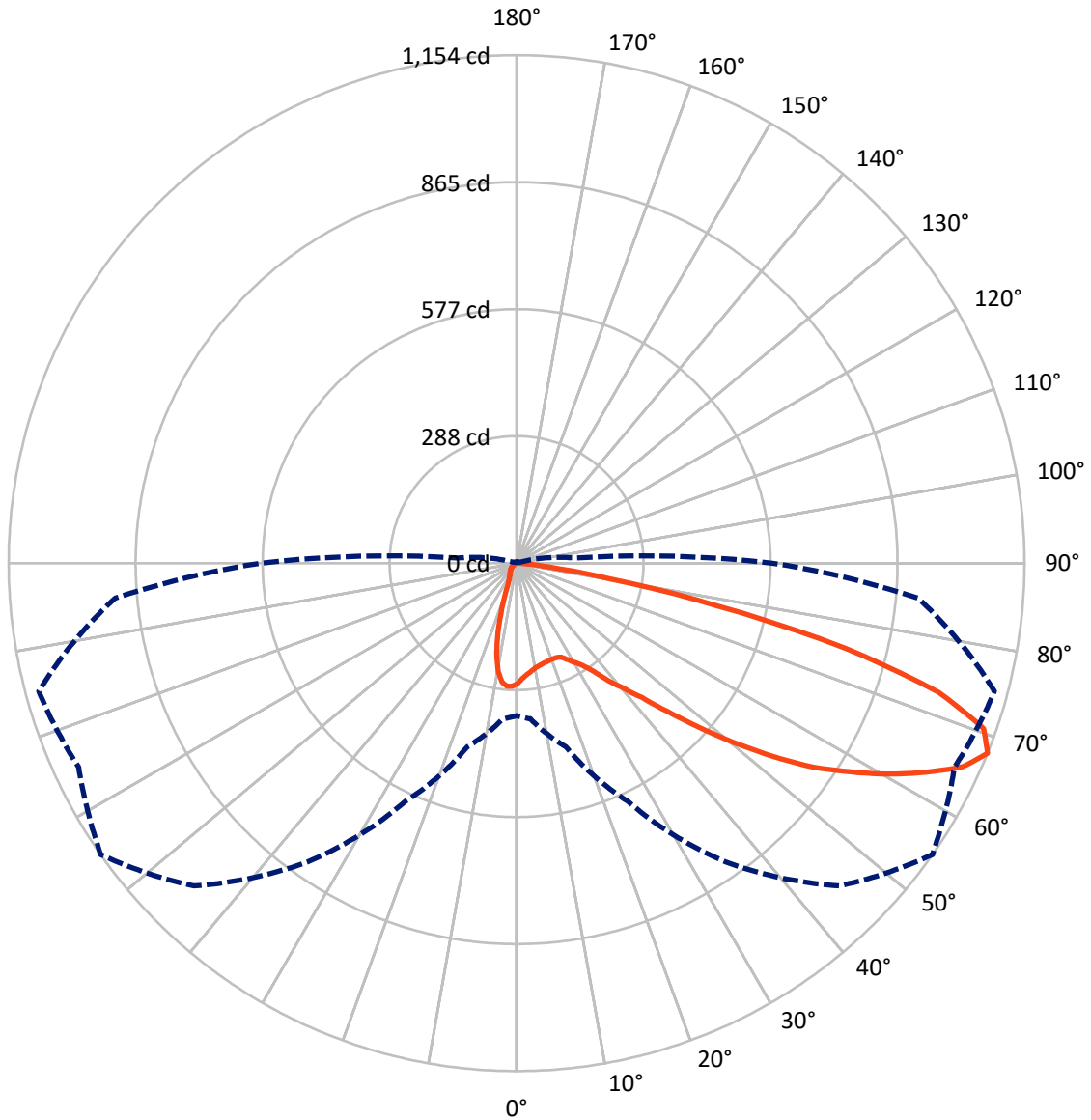
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.3 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	143.3	0.0	143.3
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	1451.7	0.0	1451.7
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	1595.0	0.0	1595.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.0	1.5
10°-20°	54.6	3.4
20°-30°	87.6	5.5
30°-40°	152.0	9.5
40°-50°	253.4	15.9
50°-60°	370.6	23.2
60°-70°	432.1	27.1
70°-80°	209.7	13.1
80°-90°	11.0	0.7
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°	1595.0	100.0
0°-180°	1595.0	100.0



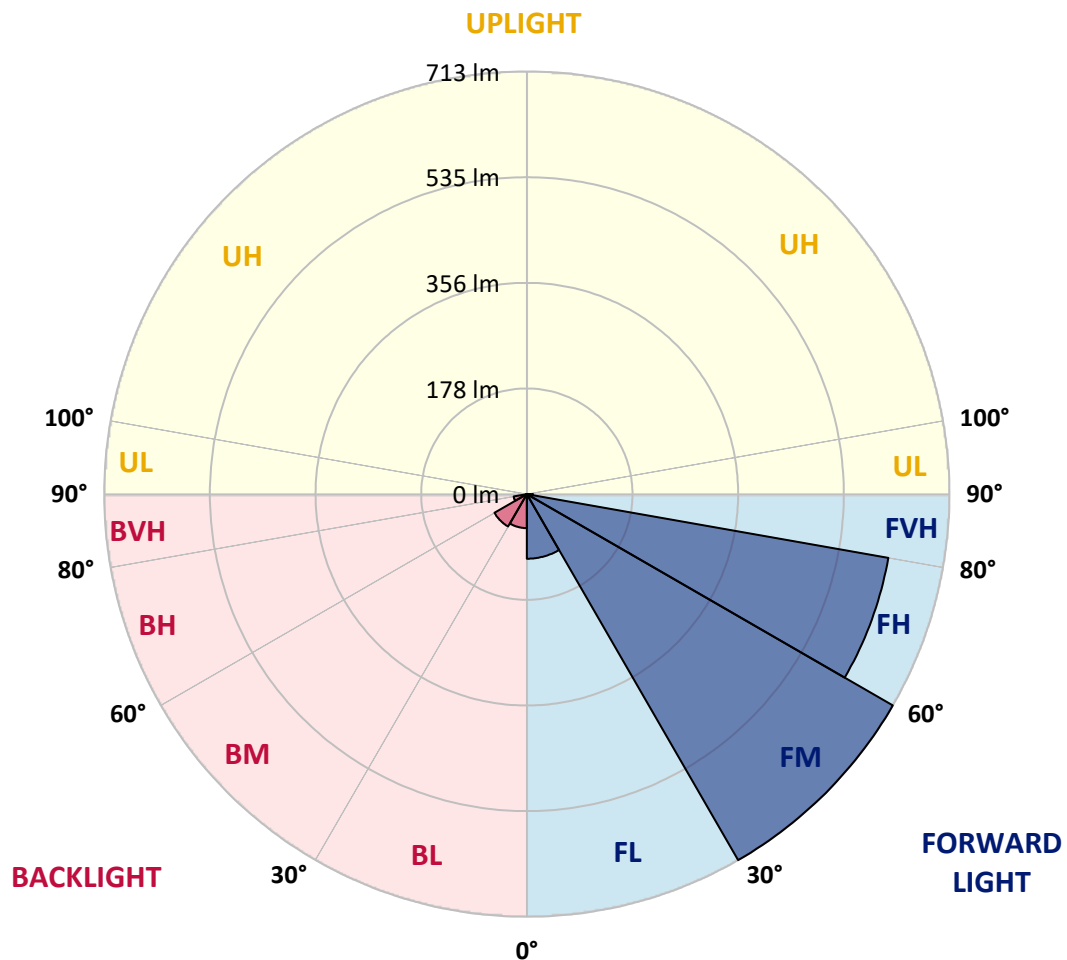
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	109.0	6.8			
FM (30°-60°)	712.9	44.7			
FH (60°-80°)	619.2	38.8			G0/660
FVH (80°-90°)	10.6	0.7			G1/100
BL (0°-30°)	57.3	3.6	B0/110		
BM (30°-60°)	63.1	4.0	B0/220		
BH (60°-80°)	22.6	1.4	B0/110		G0/110
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	273.3	273.3	273.3	273.3	273.3	273.3	273.3	273.3	273.3	273.3	273.3
2.5°	252.3	253.9	256.0	256.7	259.2	262.8	261.7	261.0	265.0	270.4	272.2
5°	236.6	236.7	240.0	242.3	246.6	250.0	253.6	253.3	260.5	269.8	275.7
7.5°	221.2	221.5	224.8	228.5	234.7	241.3	246.9	246.6	258.2	270.5	281.7
10°	200.9	202.4	206.5	212.9	222.6	233.1	240.9	241.6	255.6	273.3	289.9
12.5°	184.6	185.3	189.9	198.2	209.7	223.4	237.9	237.5	256.1	278.5	300.7
15°	177.7	177.2	180.0	186.2	199.3	216.5	235.0	236.0	258.2	284.4	311.8
17.5°	179.3	178.8	180.3	182.5	191.8	210.7	233.4	235.1	261.4	290.5	322.3
20°	197.2	194.1	191.5	189.1	190.5	206.0	232.3	234.2	263.3	295.2	333.3
22.5°	231.7	227.9	220.9	207.8	199.1	206.3	232.6	235.1	267.6	302.9	346.7
25°	288.0	284.4	269.2	242.5	219.5	216.9	236.6	239.2	277.4	314.5	360.9
27.5°	362.5	354.3	335.9	297.6	253.3	233.8	248.5	251.4	291.4	323.4	370.6
30°	424.4	422.5	404.9	357.8	299.9	258.6	261.9	263.5	297.7	328.9	380.3
32.5°	488.6	484.7	468.5	422.8	354.0	294.1	276.9	277.6	306.0	337.0	394.4
35°	544.5	540.8	527.3	482.9	417.2	341.7	301.7	300.1	323.0	354.7	413.5
37.5°	596.2	595.8	583.8	538.6	473.9	391.0	338.3	337.0	349.6	374.3	439.4
40°	646.7	645.6	635.4	594.1	529.8	440.3	373.1	369.7	372.2	401.6	473.5
42.5°	677.8	680.3	683.8	657.6	596.0	498.0	417.2	415.1	414.7	444.4	518.3
45°	694.5	698.9	719.6	717.3	666.3	569.9	480.0	474.7	472.9	503.2	569.6
47.5°	710.8	712.7	746.7	760.9	733.6	644.8	555.8	548.4	541.2	574.9	630.9
50°	711.8	714.9	757.0	791.6	790.0	718.6	640.9	634.4	626.2	662.2	690.7
52.5°	697.4	703.6	755.6	811.0	825.0	783.7	729.2	723.9	717.1	744.0	741.1
55°	598.0	608.4	729.8	812.8	849.5	839.5	817.9	810.6	804.0	823.1	790.5
57.5°	550.6	556.5	651.3	811.5	880.8	891.3	895.0	891.6	882.3	906.1	842.0
60°	522.3	530.8	613.8	796.8	914.6	949.8	972.8	966.1	954.8	987.5	897.3
62.5°	488.3	494.5	576.5	754.5	934.8	1009.3	1045.9	1039.7	1016.3	1062.6	942.0
65°	425.7	435.0	517.1	687.9	907.7	1052.9	1114.6	1112.6	1072.0	1119.3	954.2
67.5°	346.5	354.9	431.5	596.6	828.7	1036.6	1153.6	1147.1	1097.3	1123.6	915.5
70°	260.1	264.7	322.4	455.9	678.9	949.5	1125.4	1124.1	1059.0	1060.4	796.9
72.5°	139.6	152.2	214.4	305.1	477.5	769.0	1003.0	997.7	944.8	868.5	573.1
75°	48.8	52.5	114.2	171.3	259.4	512.3	771.2	758.9	706.6	564.9	312.3
77.5°	30.0	32.9	50.7	87.6	101.0	222.3	463.3	447.3	413.5	244.2	106.7
80°	20.7	23.4	33.9	45.8	34.4	72.0	213.2	207.2	159.4	58.2	24.5
82.5°	11.6	14.0	25.7	22.5	13.8	18.7	73.9	68.5	42.5	15.7	8.2
85°	6.8	8.1	18.1	15.9	7.1	6.6	19.3	17.2	11.0	5.9	4.0
87.5°	3.5	4.6	13.2	10.6	4.3	2.4	4.4	4.3	2.8	2.1	2.6
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°	273.3	273.3	273.3	273.3	273.3	273.3	273.3	273.3	273.3	273.3	273.3
2.5°	275.4	274.7	278.5	279.8	279.5	278.9	280.4	278.5	278.3	277.9	277.4
5°	280.4	281.6	284.7	284.7	280.5	273.8	269.7	264.1	259.4	256.6	256.1
7.5°	287.9	290.2	292.3	286.0	271.9	255.1	237.3	223.4	211.2	204.9	204.3
10°	298.5	300.7	299.1	281.0	250.7	216.0	187.1	158.0	143.4	135.5	135.5
12.5°	311.1	312.9	303.0	268.5	215.9	165.6	127.0	96.4	81.9	72.4	71.9
15°	324.8	325.2	302.4	246.7	172.8	111.2	72.9	53.5	47.3	46.0	45.7
17.5°	336.7	334.9	296.3	214.6	124.5	66.3	46.3	41.9	40.7	40.7	40.7
20°	347.8	342.0	283.9	177.1	79.8	45.1	39.8	38.6	38.6	38.8	38.8
22.5°	360.2	348.6	266.3	135.5	51.3	38.6	37.3	36.7	36.6	37.0	36.9
25°	374.7	355.0	241.0	93.6	39.7	36.0	35.4	34.8	34.8	34.8	34.8
27.5°	382.8	354.2	212.2	59.1	34.7	33.4	32.8	32.2	31.7	31.6	31.7
30°	389.9	349.0	174.6	41.3	31.3	29.8	29.4	28.7	27.8	27.5	27.5
32.5°	399.1	344.8	135.2	33.2	28.4	26.7	25.4	24.2	22.8	22.2	22.0
35°	409.4	337.0	99.0	29.2	25.7	23.7	21.6	19.7	17.8	17.2	17.0
37.5°	422.2	329.9	67.2	27.0	23.5	21.0	18.2	15.6	13.8	13.5	13.5
40°	439.5	324.0	46.4	25.1	21.5	18.5	15.1	12.3	11.2	10.9	10.9
42.5°	463.2	319.2	35.1	23.5	19.7	16.0	12.2	10.1	9.3	9.0	9.0
45°	491.1	311.7	29.7	22.0	17.9	13.5	10.1	8.5	8.1	8.1	8.1
47.5°	523.2	302.3	27.0	20.6	16.0	11.0	8.5	7.8	7.6	7.6	7.8
50°	555.5	291.1	25.1	18.8	13.8	9.4	7.8	7.3	7.3	7.5	7.5
52.5°	577.4	273.6	23.2	16.9	11.6	8.2	7.3	7.2	7.1	7.1	7.1
55°	598.7	258.3	20.6	14.8	9.7	7.6	7.1	6.9	6.9	6.8	6.8
57.5°	620.9	246.3	17.2	12.3	8.2	7.2	6.8	6.8	6.5	6.3	6.3
60°	646.6	235.7	13.2	9.7	7.2	6.8	6.3	6.2	5.9	5.6	5.6
62.5°	654.1	213.4	10.0	7.8	6.2	5.9	5.7	5.4	4.7	4.1	4.3
65°	634.5	178.3	7.9	6.2	5.0	5.0	4.6	3.8	3.1	2.6	2.6
67.5°	580.6	133.1	6.5	4.8	4.0	3.8	3.2	2.8	1.9	1.6	1.6
70°	478.5	88.0	5.3	3.8	3.2	2.6	2.2	2.1	1.5	1.2	1.2
72.5°	335.3	47.8	4.4	3.1	2.4	1.8	1.5	1.3	1.0	0.9	0.7
75°	177.1	18.4	3.5	2.4	1.5	1.2	0.9	0.9	0.7	0.6	0.6
77.5°	60.7	7.8	2.5	1.3	1.0	0.7	0.6	0.4	0.6	0.4	0.4
80°	14.4	4.6	1.6	0.9	0.6	0.4	0.4	0.3	0.3	0.3	0.3
82.5°	6.3	2.6	1.0	0.6	0.6	0.4	0.3	0.1	0.1	0.1	0.1
85°	4.3	1.6	0.7	0.6	0.4	0.3	0.1	0.1	0.0	0.0	0.0
87.5°	3.4	1.0	0.6	0.6	0.4	0.3	0.1	0.0	0.0	0.0	0.0
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)