

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: P674658

Luminaire Tested: **CCP-SA-1A-722-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674658
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-722-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T3R distribution lens and House Side Shield
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

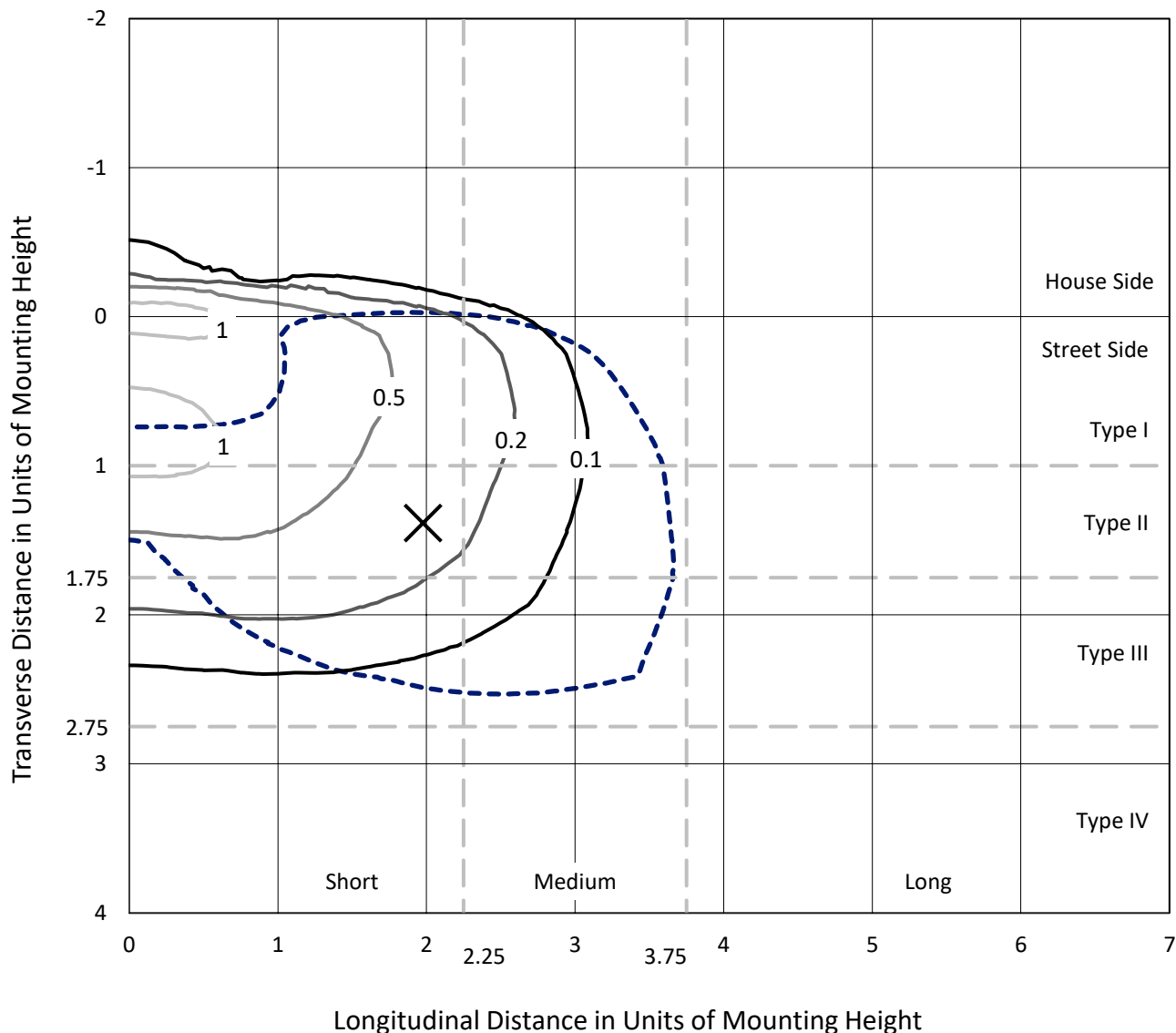
Lumens per Lamp: N/A
Luminaire Lumens: 1598.2 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

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

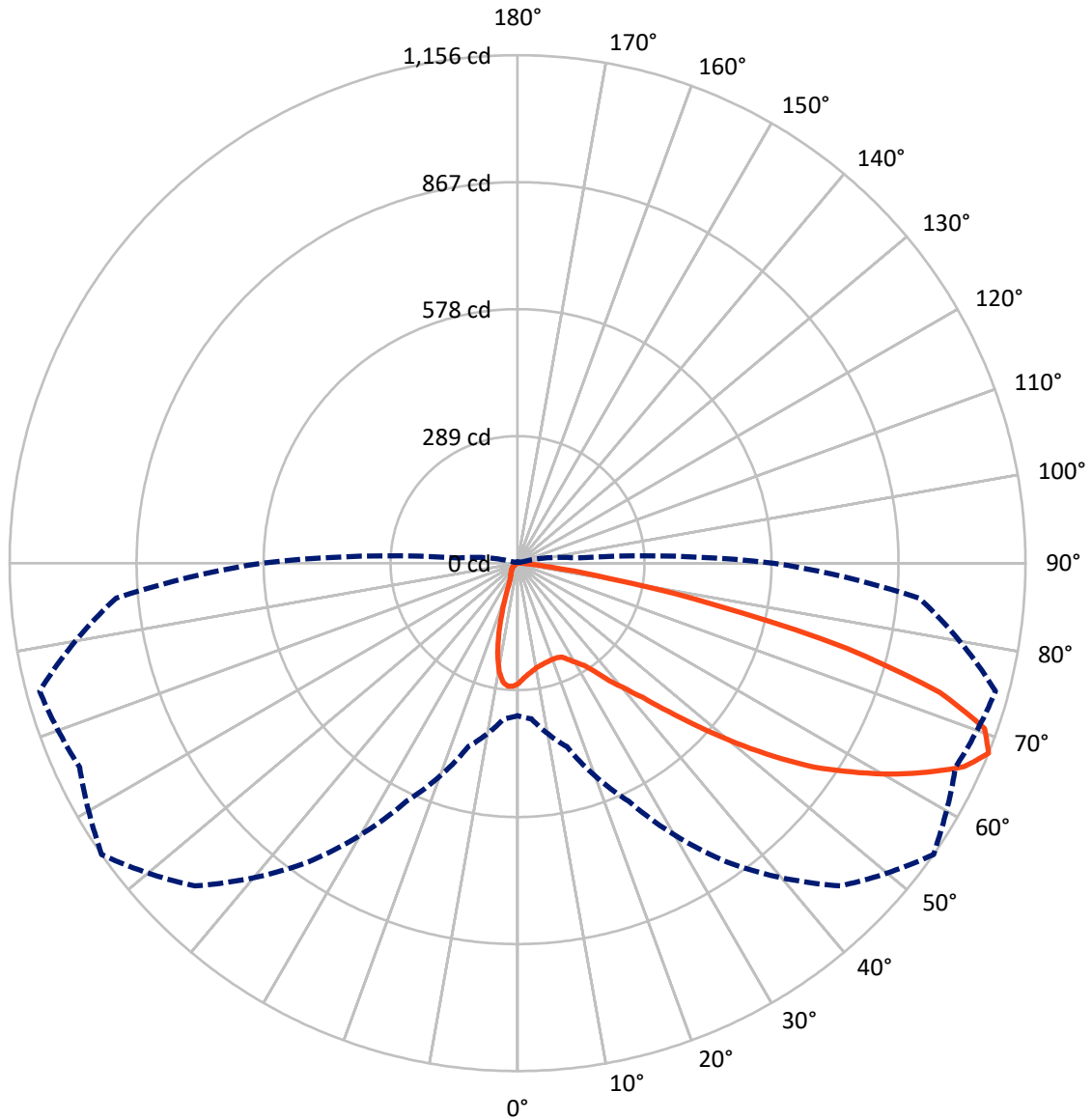
× Max cd
 - - - 1/2 Max cd



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
House Side	Lumens	143.6	0.0	143.6
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	1454.7	0.0	1454.7
	% Fixture	91.0	0.0	91.0
Total	Lumens	1598.2	0.0	1598.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.0	1.5
10°-20°	54.7	3.4
20°-30°	87.8	5.5
30°-40°	152.3	9.5
40°-50°	253.9	15.9
50°-60°	371.3	23.2
60°-70°	433.0	27.1
70°-80°	210.1	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°	1598.2	100.0
0°-180°	1598.2	100.0



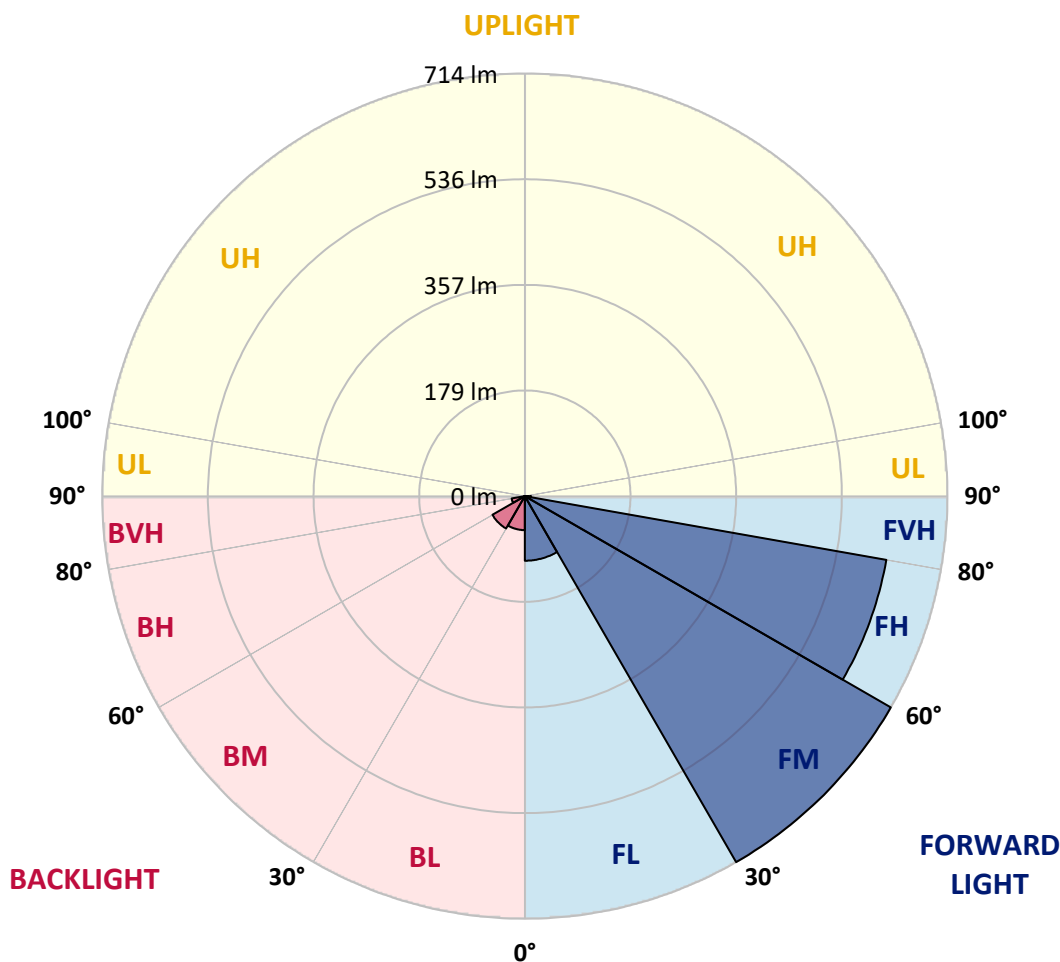
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	109.2	6.8			
FM (30°-60°)	714.4	44.7			
FH (60°-80°)	620.5	38.8			G0/660
FVH (80°-90°)	10.7	0.7			G1/100
BL (0°-30°)	57.4	3.6	B0/110		
BM (30°-60°)	63.2	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°	273.9	273.9	273.9	273.9	273.9	273.9	273.9	273.9	273.9	273.9	273.9
2.5°	252.8	254.5	256.5	257.3	259.8	263.3	262.3	261.5	265.5	270.9	272.7
5°	237.1	237.2	240.5	242.8	247.1	250.5	254.2	253.9	261.1	270.4	276.2
7.5°	221.6	221.9	225.3	229.0	235.2	241.8	247.4	247.1	258.7	271.1	282.3
10°	201.3	202.8	206.9	213.4	223.1	233.5	241.3	242.1	256.1	273.9	290.5
12.5°	185.0	185.7	190.3	198.6	210.1	223.8	238.4	238.0	256.7	279.0	301.3
15°	178.0	177.6	180.4	186.6	199.7	216.9	235.5	236.5	258.7	284.9	312.5
17.5°	179.6	179.2	180.7	182.9	192.2	211.2	233.8	235.6	262.0	291.1	322.9
20°	197.6	194.5	191.9	189.5	190.8	206.5	232.8	234.7	263.9	295.8	334.0
22.5°	232.2	228.4	221.3	208.2	199.5	206.7	233.1	235.6	268.1	303.5	347.4
25°	288.6	284.9	269.8	243.0	220.0	217.3	237.1	239.7	278.0	315.1	361.7
27.5°	363.3	355.0	336.6	298.2	253.9	234.3	249.0	252.0	292.0	324.1	371.4
30°	425.3	423.4	405.7	358.6	300.5	259.2	262.4	264.0	298.3	329.6	381.1
32.5°	489.6	485.6	469.4	423.6	354.7	294.7	277.4	278.2	306.6	337.7	395.2
35°	545.6	541.9	528.3	483.9	418.1	342.4	302.3	300.7	323.7	355.5	414.4
37.5°	597.4	597.0	585.0	539.7	474.9	391.8	339.0	337.7	350.3	375.1	440.3
40°	648.1	646.9	636.7	595.3	530.9	441.2	373.9	370.5	373.0	402.4	474.5
42.5°	679.1	681.6	685.2	659.0	597.3	499.0	418.1	416.0	415.6	445.3	519.4
45°	695.9	700.3	721.1	718.7	667.6	571.1	480.9	475.6	473.9	504.2	570.8
47.5°	712.3	714.2	748.2	762.5	735.1	646.2	556.9	549.6	542.3	576.1	632.2
50°	713.3	716.4	758.5	793.3	791.6	720.1	642.2	635.7	627.4	663.5	692.1
52.5°	698.9	705.1	757.2	812.7	826.7	785.3	730.7	725.4	718.6	745.5	742.6
55°	599.2	609.6	731.3	814.5	851.3	841.3	819.6	812.3	805.6	824.8	792.1
57.5°	551.8	557.7	652.6	813.1	882.6	893.1	896.8	893.4	884.1	908.0	843.8
60°	523.3	531.9	615.1	798.4	916.5	951.7	974.8	968.0	956.7	989.5	899.1
62.5°	489.3	495.5	577.7	756.0	936.7	1011.3	1048.0	1041.8	1018.4	1064.8	943.9
65°	426.6	435.9	518.2	689.3	909.6	1055.1	1116.9	1114.9	1074.2	1121.6	956.1
67.5°	347.2	355.6	432.3	597.9	830.4	1038.7	1155.9	1149.5	1099.5	1125.9	917.4
70°	260.6	265.2	323.1	456.8	680.3	951.4	1127.7	1126.3	1061.1	1062.6	798.6
72.5°	139.9	152.6	214.8	305.7	478.4	770.6	1005.0	999.7	946.7	870.3	574.3
75°	48.9	52.6	114.4	171.7	259.9	513.3	772.8	760.4	708.0	566.0	312.9
77.5°	30.0	33.0	50.8	87.8	101.2	222.8	464.3	448.2	414.4	244.7	106.9
80°	20.8	23.4	34.0	45.9	34.5	72.2	213.7	207.6	159.8	58.3	24.6
82.5°	11.6	14.0	25.8	22.5	13.8	18.7	74.1	68.6	42.6	15.8	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	13.3	10.6	4.3	2.4	4.4	4.3	2.8	2.1	2.7
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	273.9	273.9	273.9	273.9	273.9	273.9	273.9	273.9	273.9	273.9	273.9
2.5°	276.0	275.2	279.0	280.4	280.1	279.5	281.0	279.0	278.9	278.5	278.0
5°	281.0	282.1	285.2	285.2	281.1	274.3	270.2	264.6	259.9	257.1	256.7
7.5°	288.5	290.8	292.9	286.6	272.4	255.6	237.8	223.8	211.6	205.3	204.7
10°	299.1	301.3	299.7	281.5	251.2	216.5	187.5	158.3	143.7	135.8	135.8
12.5°	311.7	313.5	303.6	269.0	216.3	166.0	127.2	96.6	82.0	72.6	72.0
15°	325.4	325.9	303.0	247.2	173.2	111.5	73.0	53.6	47.4	46.1	45.8
17.5°	337.4	335.6	296.9	215.0	124.7	66.4	46.4	42.0	40.8	40.8	40.8
20°	348.6	342.7	284.5	177.4	80.0	45.2	39.9	38.7	38.7	38.9	38.9
22.5°	360.9	349.3	266.8	135.8	51.4	38.7	37.4	36.8	36.7	37.1	37.0
25°	375.5	355.8	241.5	93.8	39.8	36.1	35.5	34.9	34.9	34.9	34.9
27.5°	383.6	354.9	212.6	59.2	34.8	33.4	32.8	32.2	31.8	31.7	31.8
30°	390.7	349.7	174.9	41.4	31.4	29.9	29.5	28.7	27.8	27.5	27.5
32.5°	399.9	345.5	135.5	33.3	28.4	26.8	25.5	24.3	22.8	22.2	22.1
35°	410.2	337.7	99.2	29.3	25.8	23.7	21.6	19.7	17.8	17.2	17.1
37.5°	423.1	330.6	67.3	27.1	23.6	21.1	18.3	15.6	13.8	13.5	13.5
40°	440.4	324.7	46.5	25.2	21.5	18.6	15.2	12.4	11.2	10.9	10.9
42.5°	464.1	319.8	35.2	23.6	19.7	16.1	12.2	10.2	9.3	9.0	9.0
45°	492.1	312.3	29.7	22.1	18.0	13.5	10.2	8.5	8.1	8.1	8.1
47.5°	524.2	302.9	27.1	20.6	16.1	11.0	8.5	7.8	7.7	7.7	7.8
50°	556.6	291.7	25.2	18.8	13.8	9.4	7.8	7.4	7.4	7.5	7.5
52.5°	578.6	274.2	23.3	16.9	11.6	8.2	7.4	7.2	7.1	7.1	7.1
55°	599.9	258.9	20.6	14.9	9.7	7.7	7.1	6.9	6.9	6.8	6.8
57.5°	622.1	246.8	17.2	12.4	8.2	7.2	6.8	6.8	6.5	6.3	6.3
60°	647.9	236.2	13.3	9.7	7.2	6.8	6.3	6.2	5.9	5.6	5.6
62.5°	655.4	213.8	10.0	7.8	6.2	5.9	5.7	5.4	4.7	4.1	4.3
65°	635.8	178.6	8.0	6.2	5.0	5.0	4.6	3.8	3.1	2.7	2.7
67.5°	581.8	133.4	6.5	4.9	4.0	3.8	3.2	2.8	1.9	1.6	1.6
70°	479.5	88.2	5.3	3.8	3.2	2.7	2.2	2.1	1.5	1.2	1.2
72.5°	336.0	47.9	4.4	3.1	2.4	1.8	1.5	1.3	1.0	0.9	0.7
75°	177.4	18.4	3.5	2.4	1.5	1.2	0.9	0.9	0.7	0.6	0.6
77.5°	60.8	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	2.7	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)