

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: P674659

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

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674659  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1B-722-U-T3R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ T3R distribution lens and House Side Shield  
Light Source: (16) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

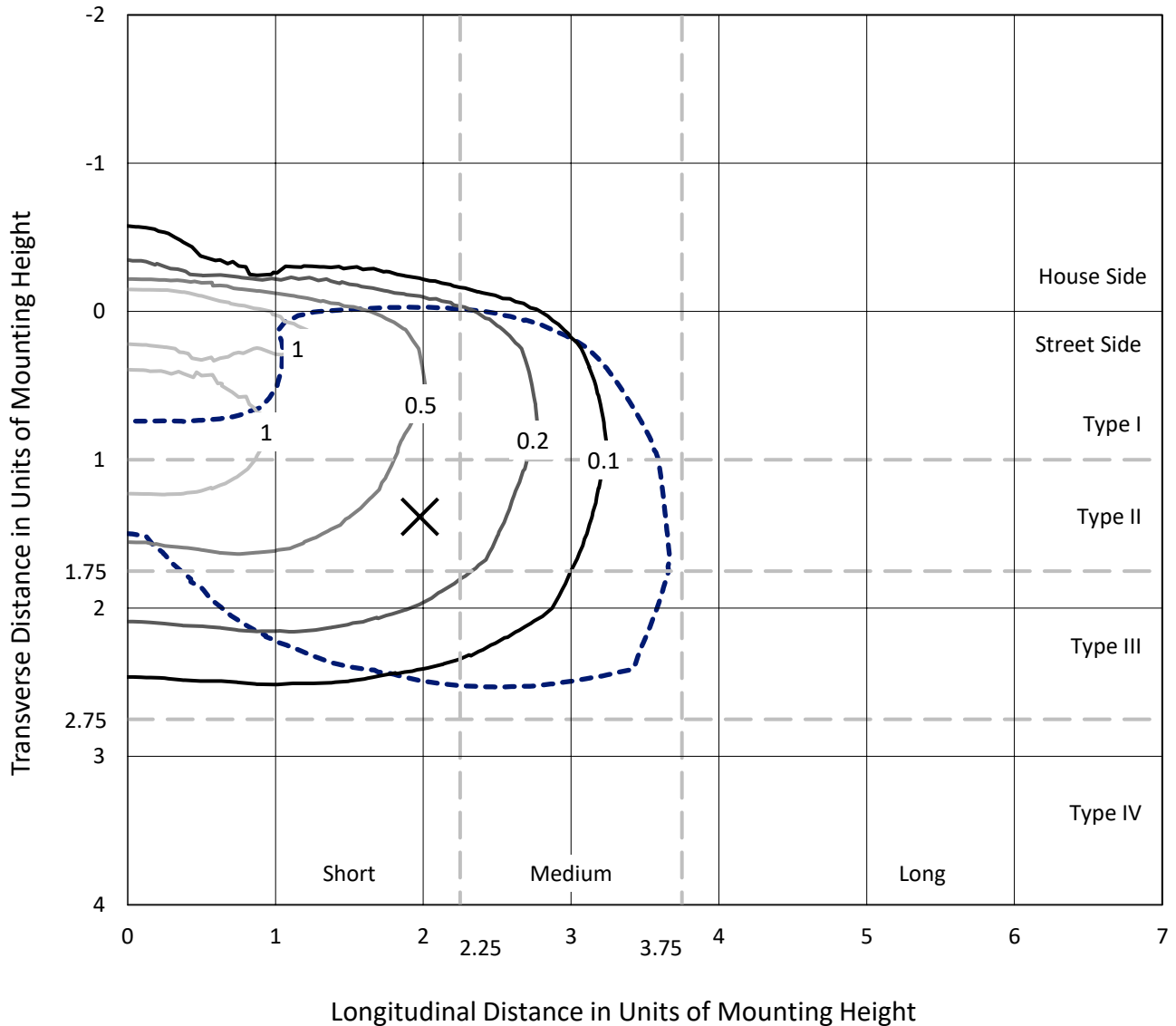
Lumens per Lamp: N/A  
Luminaire Lumens: 2017.6 lumens  
Efficiency: N/A  
Efficacy: 84.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B0 - U0 - G1

Input Watts (W): 24  
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

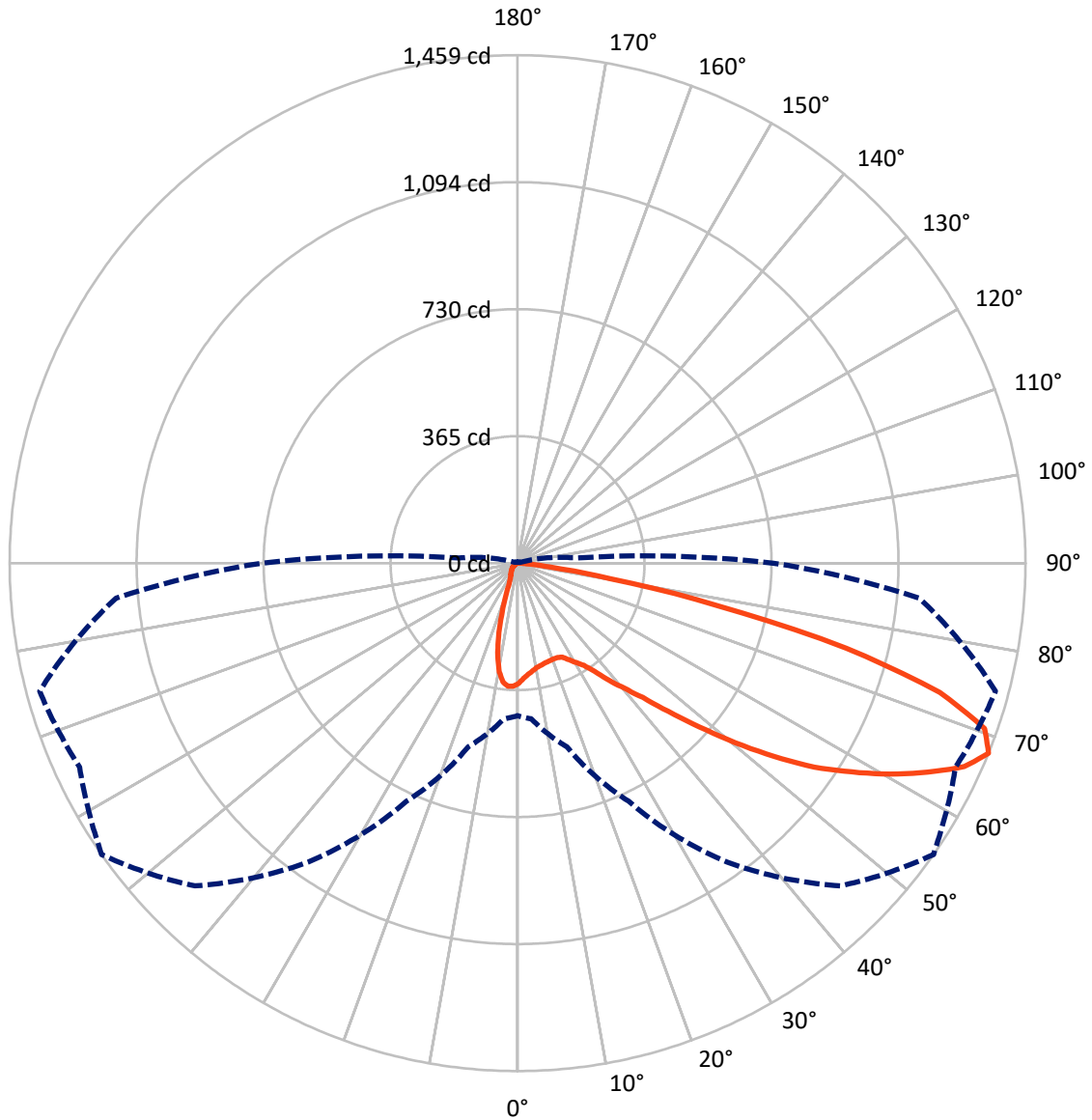
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.7 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	181.2	0.0	181.2
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	1836.3	0.0	1836.3
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	2017.6	0.0	2017.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.3	1.5
10°-20°	69.1	3.4
20°-30°	110.8	5.5
30°-40°	192.2	9.5
40°-50°	320.6	15.9
50°-60°	468.8	23.2
60°-70°	546.6	27.1
70°-80°	265.3	13.1
80°-90°	13.9	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°	2017.6	100.0
0°-180°	2017.6	100.0



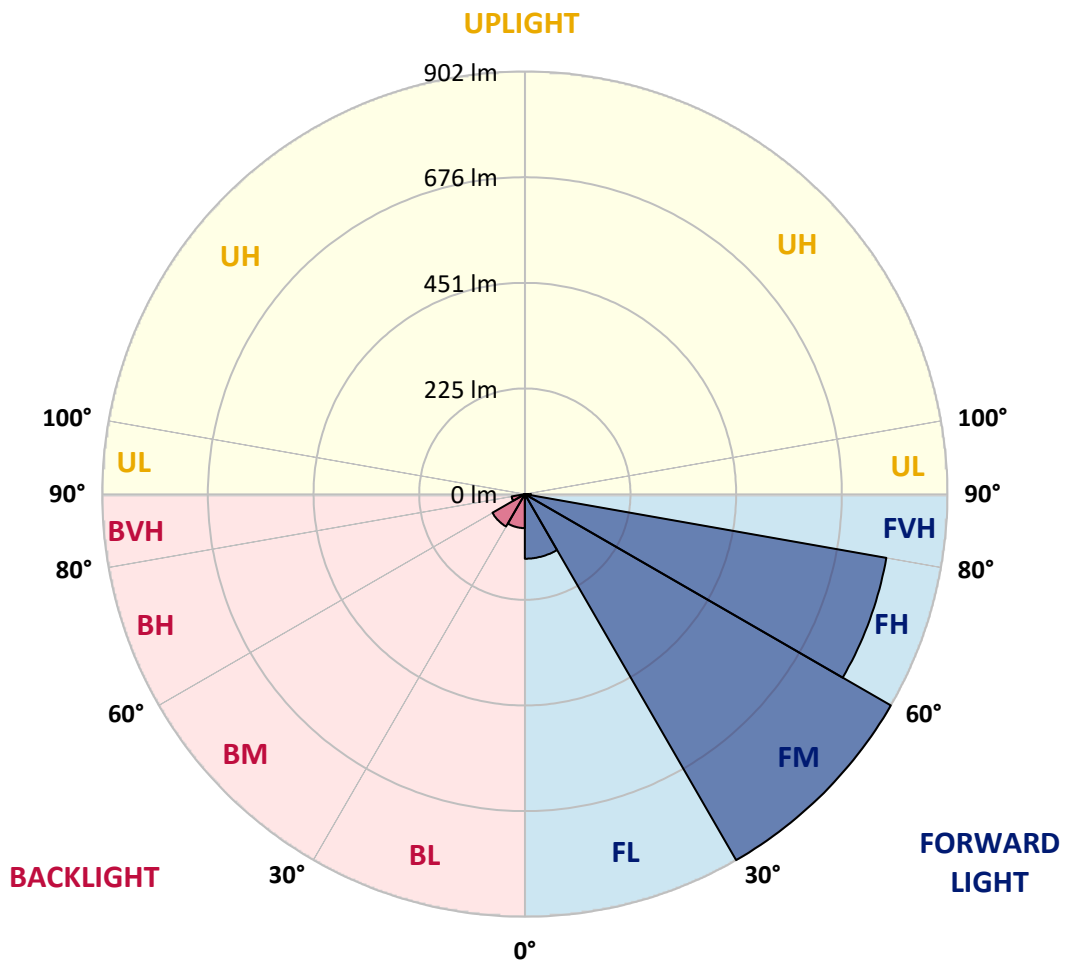
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	137.8	6.8			
FM (30°-60°)	901.8	44.7			
FH (60°-80°)	783.2	38.8			G1/1800
FVH (80°-90°)	13.5	0.7			G1/100
BL (0°-30°)	72.5	3.6	B0/110		
BM (30°-60°)	79.8	4.0	B0/220		
BH (60°-80°)	28.6	1.4	B0/110		G0/110
BVH (80°-90°)	0.4	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°	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8
2.5°	319.2	321.2	323.8	324.7	327.9	332.4	331.1	330.1	335.2	342.0	344.3
5°	299.3	299.5	303.6	306.5	311.9	316.2	320.8	320.5	329.6	341.3	348.7
7.5°	279.8	280.1	284.4	289.1	296.9	305.2	312.3	311.9	326.6	342.2	356.3
10°	254.1	256.0	261.2	269.4	281.6	294.8	304.7	305.6	323.3	345.8	366.8
12.5°	233.5	234.4	240.2	250.8	265.3	282.6	301.0	300.4	324.0	352.3	380.3
15°	224.7	224.2	227.7	235.5	252.1	273.8	297.2	298.5	326.6	359.7	394.5
17.5°	226.8	226.2	228.1	230.9	242.6	266.6	295.2	297.4	330.7	367.5	407.7
20°	249.5	245.6	242.2	239.2	240.9	260.6	293.9	296.3	333.1	373.5	421.6
22.5°	293.1	288.3	279.4	262.8	251.9	261.0	294.3	297.4	338.5	383.1	438.5
25°	364.3	359.7	340.5	306.7	277.7	274.4	299.3	302.6	351.0	397.8	456.5
27.5°	458.6	448.2	424.9	376.4	320.5	295.7	314.3	318.1	368.6	409.1	468.8
30°	536.8	534.4	512.1	452.6	379.4	327.2	331.3	333.3	376.6	416.0	481.1
32.5°	618.1	613.1	592.6	534.8	447.8	372.0	350.2	351.1	387.0	426.2	498.9
35°	688.7	684.1	667.0	610.8	527.7	432.2	381.6	379.6	408.6	448.7	523.1
37.5°	754.2	753.6	738.5	681.3	599.5	494.6	427.9	426.2	442.2	473.5	555.8
40°	818.1	816.6	803.8	751.5	670.1	556.9	472.0	467.7	470.9	508.0	598.9
42.5°	857.3	860.5	864.9	831.9	754.0	630.0	527.7	525.1	524.6	562.1	655.6
45°	878.5	884.1	910.3	907.3	842.8	720.9	607.1	600.4	598.2	636.5	720.5
47.5°	899.1	901.6	944.5	962.5	928.0	815.7	703.0	693.7	684.6	727.2	798.0
50°	900.4	904.3	957.5	1001.4	999.3	909.0	810.7	802.5	792.1	837.6	873.7
52.5°	882.2	890.0	955.8	1025.9	1043.6	991.3	922.4	915.7	907.1	941.2	937.4
55°	756.4	769.6	923.1	1028.2	1074.6	1062.0	1034.7	1025.4	1017.0	1041.2	999.9
57.5°	696.5	704.0	823.9	1026.5	1114.2	1127.4	1132.1	1127.8	1116.1	1146.2	1065.1
60°	660.6	671.4	776.5	1007.9	1157.0	1201.4	1230.6	1222.0	1207.7	1249.2	1135.0
62.5°	617.7	625.5	729.2	954.4	1182.4	1276.7	1323.0	1315.2	1285.6	1344.2	1191.5
65°	538.5	550.2	654.1	870.1	1148.2	1331.9	1410.0	1407.4	1356.1	1415.9	1207.0
67.5°	438.3	448.9	545.8	754.7	1048.2	1311.3	1459.2	1451.0	1388.0	1421.3	1158.1
70°	329.0	334.8	407.8	576.6	858.8	1201.0	1423.5	1421.9	1339.5	1341.4	1008.1
72.5°	176.6	192.6	271.2	385.9	604.0	972.8	1268.7	1262.0	1195.1	1098.6	725.0
75°	61.7	66.4	144.4	216.7	328.1	648.0	975.5	959.9	893.8	714.6	395.0
77.5°	37.9	41.6	64.1	110.8	127.7	281.2	586.1	565.8	523.1	308.9	135.0
80°	26.2	29.6	42.9	58.0	43.5	91.1	269.7	262.1	201.7	73.6	31.0
82.5°	14.7	17.7	32.5	28.4	17.5	23.6	93.5	86.6	53.7	19.9	10.4
85°	8.6	10.2	22.9	20.1	8.9	8.4	24.4	21.7	13.9	7.4	5.0
87.5°	4.5	5.8	16.7	13.4	5.4	3.0	5.6	5.4	3.5	2.6	3.3
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°	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8	345.8
2.5°	348.4	347.4	352.3	353.9	353.6	352.8	354.7	352.3	352.1	351.5	351.0
5°	354.7	356.2	360.1	360.1	354.9	346.3	341.1	334.0	328.1	324.6	324.0
7.5°	364.2	367.1	369.7	361.7	343.9	322.7	300.2	282.6	267.1	259.1	258.4
10°	377.5	380.3	378.3	355.4	317.1	273.3	236.6	199.8	181.4	171.4	171.4
12.5°	393.5	395.8	383.3	339.6	273.1	209.5	160.6	121.9	103.5	91.6	90.9
15°	410.8	411.4	382.6	312.1	218.6	140.7	92.2	67.7	59.9	58.2	57.8
17.5°	425.9	423.6	374.8	271.4	157.4	83.8	58.6	53.0	51.5	51.5	51.5
20°	440.0	432.6	359.1	224.0	100.9	57.1	50.4	48.9	48.9	49.1	49.1
22.5°	455.6	440.9	336.8	171.4	64.9	48.9	47.2	46.5	46.3	46.8	46.7
25°	474.0	449.1	304.9	118.4	50.2	45.5	44.8	44.1	44.1	44.1	44.1
27.5°	484.2	448.0	268.4	74.7	43.9	42.2	41.5	40.7	40.2	40.0	40.2
30°	493.2	441.5	220.8	52.2	39.6	37.7	37.2	36.2	35.1	34.8	34.8
32.5°	504.9	436.1	171.0	42.0	35.9	33.8	32.2	30.7	28.8	28.1	27.9
35°	517.9	426.2	125.3	37.0	32.5	29.9	27.3	24.9	22.5	21.7	21.6
37.5°	534.1	417.3	85.0	34.2	29.7	26.6	23.1	19.7	17.5	17.1	17.1
40°	556.0	409.9	58.7	31.8	27.1	23.4	19.1	15.6	14.1	13.8	13.8
42.5°	585.9	403.8	44.4	29.7	24.9	20.3	15.4	12.8	11.7	11.3	11.3
45°	621.2	394.3	37.5	27.9	22.7	17.1	12.8	10.8	10.2	10.2	10.2
47.5°	661.8	382.4	34.2	26.0	20.3	13.9	10.8	9.9	9.7	9.7	9.9
50°	702.7	368.2	31.8	23.8	17.5	11.9	9.9	9.3	9.3	9.5	9.5
52.5°	730.4	346.1	29.4	21.4	14.7	10.4	9.3	9.1	8.9	8.9	8.9
55°	757.3	326.8	26.0	18.8	12.3	9.7	8.9	8.7	8.7	8.6	8.6
57.5°	785.4	311.5	21.7	15.6	10.4	9.1	8.6	8.6	8.2	8.0	8.0
60°	817.9	298.2	16.7	12.3	9.1	8.6	8.0	7.8	7.4	7.1	7.1
62.5°	827.4	269.9	12.6	9.9	7.8	7.4	7.2	6.9	5.9	5.2	5.4
65°	802.7	225.5	10.0	7.8	6.3	6.3	5.8	4.8	3.9	3.3	3.3
67.5°	734.4	168.4	8.2	6.1	5.0	4.8	4.1	3.5	2.4	2.0	2.0
70°	605.3	111.3	6.7	4.8	4.1	3.3	2.8	2.6	1.9	1.5	1.5
72.5°	424.2	60.4	5.6	3.9	3.0	2.2	1.9	1.7	1.3	1.1	0.9
75°	224.0	23.2	4.5	3.0	1.9	1.5	1.1	1.1	0.9	0.7	0.7
77.5°	76.8	9.9	3.2	1.7	1.3	0.9	0.7	0.6	0.7	0.6	0.6
80°	18.2	5.8	2.0	1.1	0.7	0.6	0.6	0.4	0.4	0.4	0.4
82.5°	8.0	3.3	1.3	0.7	0.7	0.6	0.4	0.2	0.2	0.2	0.2
85°	5.4	2.0	0.9	0.7	0.6	0.4	0.2	0.2	0.0	0.0	0.0
87.5°	4.3	1.3	0.7	0.7	0.6	0.4	0.2	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)