

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: P674691

Luminaire Tested: **CCP-SA-1A-735-U-T3R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674691  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1A-735-U-T3R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T3R distribution lens and House Side Shield  
Light Source: (16) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

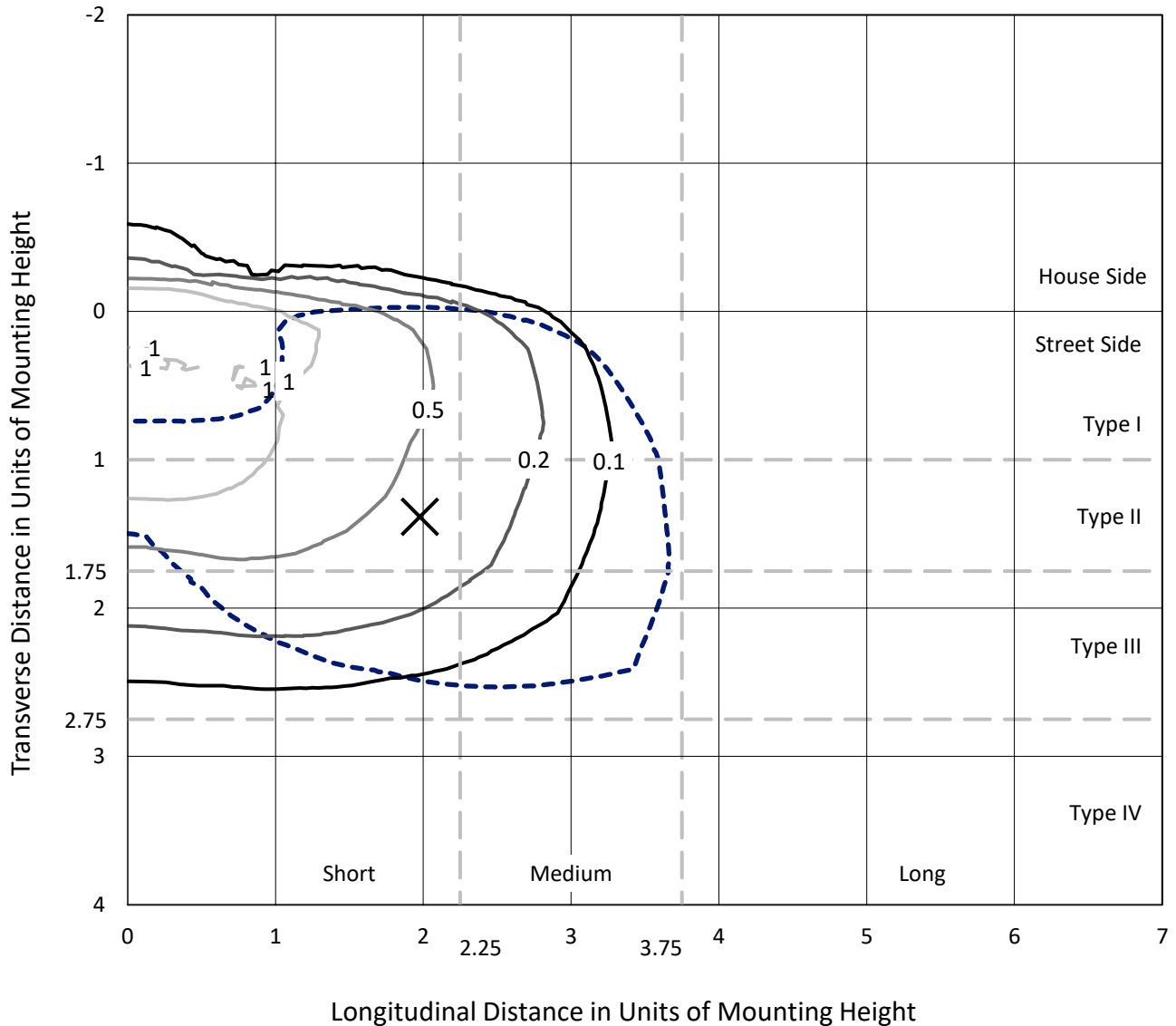
Lumens per Lamp: N/A  
Luminaire Lumens: 2140 lumens  
Efficiency: N/A  
Efficacy: 118.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B0 - U0 - G1

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

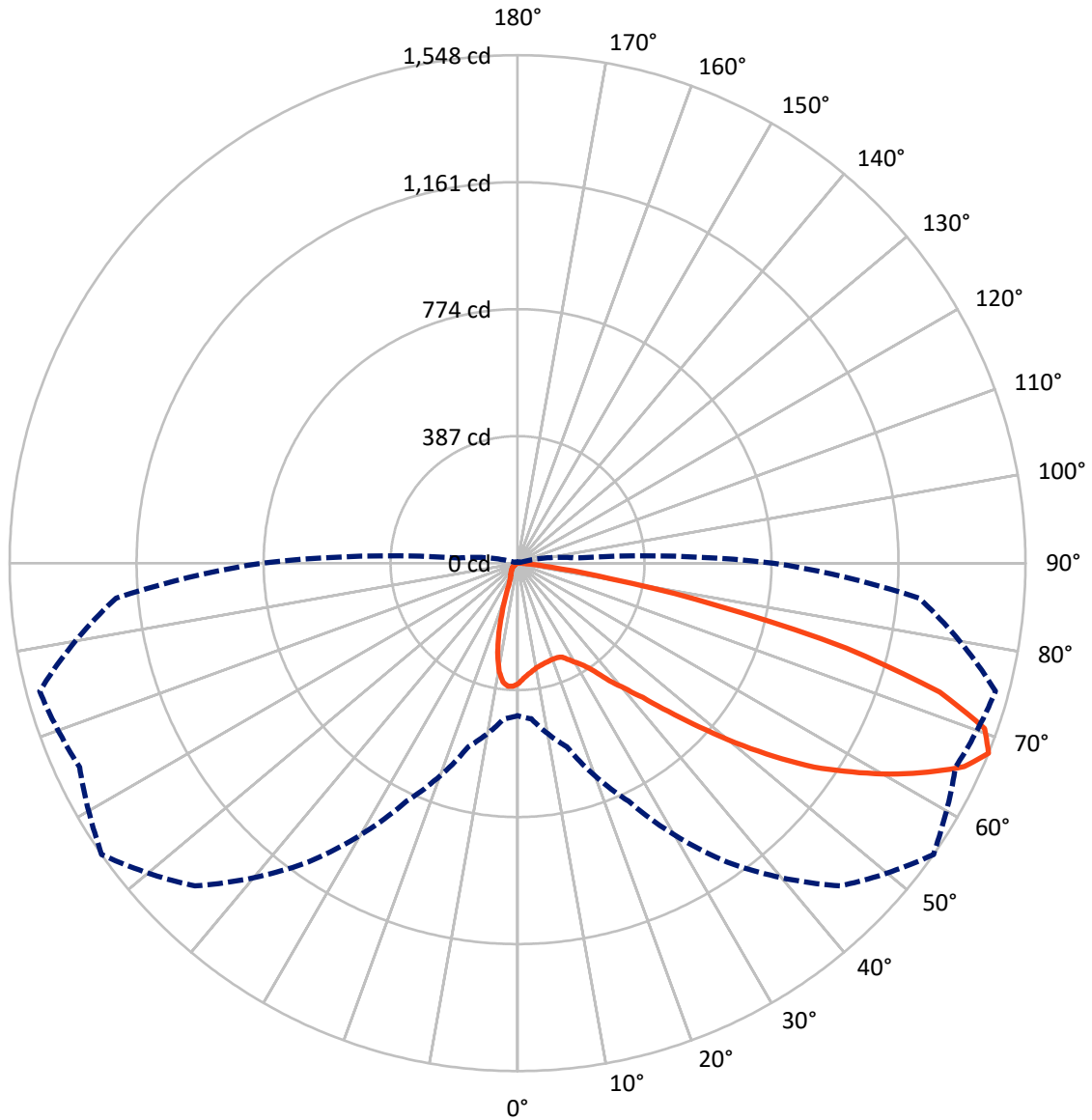
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.8 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	192.3	0.0	192.3
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	1947.8	0.0	1947.8
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	2140.0	0.0	2140.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.2	1.5
10°-20°	73.3	3.4
20°-30°	117.6	5.5
30°-40°	203.9	9.5
40°-50°	340.0	15.9
50°-60°	497.2	23.2
60°-70°	579.8	27.1
70°-80°	281.4	13.1
80°-90°	14.7	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°	2140.0	100.0
0°-180°	2140.0	100.0



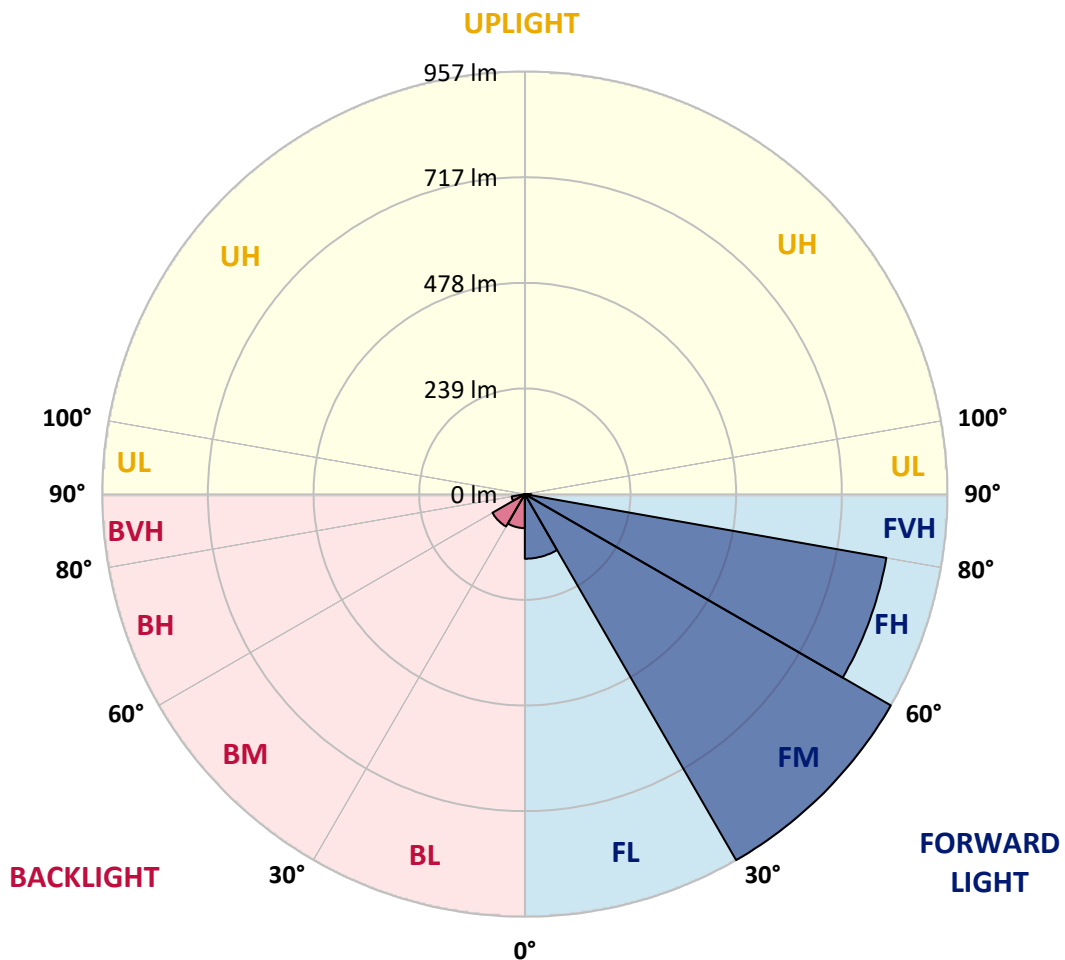
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	146.2	6.8			
FM (30°-60°)	956.5	44.7			
FH (60°-80°)	830.8	38.8			G1/1800
FVH (80°-90°)	14.3	0.7			G1/100
BL (0°-30°)	76.9	3.6	B0/110		
BM (30°-60°)	84.6	4.0	B0/220		
BH (60°-80°)	30.3	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°	366.7	366.7	366.7	366.7	366.7	366.7	366.7	366.7	366.7	366.7	366.7
2.5°	338.5	340.7	343.5	344.5	347.8	352.5	351.2	350.2	355.5	362.8	365.2
5°	317.4	317.6	322.0	325.1	330.9	335.4	340.3	339.9	349.6	362.0	369.9
7.5°	296.7	297.1	301.7	306.6	314.9	323.8	331.2	330.9	346.4	363.0	378.0
10°	269.5	271.5	277.0	285.7	298.7	312.7	323.2	324.2	342.9	366.7	389.0
12.5°	247.6	248.6	254.7	266.0	281.4	299.7	319.2	318.6	343.7	373.6	403.4
15°	238.4	237.8	241.5	249.8	267.4	290.4	315.3	316.7	346.4	381.5	418.4
17.5°	240.5	240.0	241.9	244.9	257.3	282.7	313.1	315.5	350.8	389.8	432.4
20°	264.6	260.5	256.9	253.8	255.5	276.4	311.7	314.3	353.3	396.1	447.2
22.5°	310.9	305.8	296.3	278.8	267.2	276.8	312.1	315.5	359.0	406.4	465.1
25°	386.5	381.5	361.2	325.3	294.6	291.0	317.4	321.0	372.3	421.9	484.3
27.5°	486.4	475.4	450.7	399.3	339.9	313.7	333.4	337.4	391.0	434.0	497.3
30°	569.4	566.9	543.2	480.1	402.4	347.0	351.4	353.5	399.5	441.3	510.3
32.5°	655.6	650.3	628.6	567.3	475.0	394.5	371.5	372.5	410.5	452.1	529.2
35°	730.5	725.6	707.5	647.9	559.8	458.4	404.8	402.6	433.4	476.0	554.8
37.5°	799.9	799.3	783.4	722.6	635.9	524.7	453.9	452.1	469.1	502.2	589.5
40°	867.8	866.2	852.6	797.2	710.8	590.7	500.6	496.1	499.4	538.9	635.3
42.5°	909.4	912.7	917.4	882.3	799.7	668.2	559.8	557.0	556.4	596.2	695.4
45°	931.8	937.7	965.5	962.4	894.0	764.6	644.0	636.9	634.5	675.1	764.2
47.5°	953.7	956.3	1001.8	1021.0	984.3	865.2	745.7	735.8	726.2	771.3	846.5
50°	955.1	959.2	1015.6	1062.2	1060.0	964.2	859.9	851.2	840.1	888.5	926.7
52.5°	935.8	944.1	1013.9	1088.2	1106.9	1051.5	978.4	971.3	962.2	998.3	994.3
55°	802.3	816.3	979.2	1090.6	1139.8	1126.4	1097.5	1087.6	1078.7	1104.4	1060.6
57.5°	738.8	746.7	873.9	1088.8	1181.8	1195.8	1200.8	1196.2	1183.8	1215.8	1129.8
60°	700.7	712.2	823.6	1069.1	1227.2	1274.3	1305.3	1296.2	1281.0	1325.0	1203.9
62.5°	655.2	663.5	773.5	1012.3	1254.2	1354.2	1403.3	1395.0	1363.6	1425.7	1263.9
65°	571.2	583.6	693.8	923.0	1217.9	1412.7	1495.5	1492.8	1438.4	1501.9	1280.2
67.5°	464.9	476.2	578.9	800.5	1111.9	1390.8	1547.8	1539.1	1472.3	1507.6	1228.4
70°	349.0	355.1	432.6	611.6	910.9	1273.9	1509.9	1508.2	1420.8	1422.8	1069.3
72.5°	187.3	204.3	287.7	409.3	640.6	1031.8	1345.7	1338.6	1267.6	1165.3	769.0
75°	65.5	70.4	153.2	229.9	348.0	687.3	1034.8	1018.2	948.0	757.9	419.0
77.5°	40.2	44.2	68.0	117.5	135.5	298.3	621.7	600.2	554.8	327.7	143.1
80°	27.8	31.4	45.5	61.5	46.1	96.6	286.1	278.0	213.9	78.1	32.9
82.5°	15.6	18.7	34.5	30.2	18.5	25.0	99.2	91.9	57.0	21.1	11.0
85°	9.1	10.8	24.3	21.3	9.5	8.9	25.8	23.1	14.8	7.9	5.3
87.5°	4.7	6.1	17.7	14.2	5.7	3.2	5.9	5.7	3.7	2.8	3.5
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°	366.7	366.7	366.7	366.7	366.7	366.7	366.7	366.7	366.7	366.7	366.7
2.5°	369.5	368.5	373.6	375.4	375.0	374.2	376.2	373.6	373.4	372.9	372.3
5°	376.2	377.8	381.9	381.9	376.4	367.3	361.8	354.3	348.0	344.3	343.7
7.5°	386.3	389.4	392.2	383.7	364.8	342.3	318.4	299.7	283.3	274.9	274.1
10°	400.5	403.4	401.2	377.0	336.4	289.8	251.0	212.0	192.4	181.8	181.8
12.5°	417.4	419.8	406.6	360.2	289.6	222.2	170.4	129.3	109.8	97.2	96.4
15°	435.7	436.3	405.8	331.1	231.9	149.3	97.8	71.8	63.5	61.7	61.3
17.5°	451.7	449.4	397.5	287.9	167.0	88.9	62.1	56.2	54.6	54.6	54.6
20°	466.7	458.8	380.9	237.6	107.1	60.5	53.4	51.9	51.9	52.1	52.1
22.5°	483.3	467.7	357.3	181.8	68.8	51.9	50.1	49.3	49.1	49.7	49.5
25°	502.8	476.4	323.4	125.6	53.2	48.3	47.5	46.7	46.7	46.7	46.7
27.5°	513.6	475.2	284.7	79.3	46.5	44.8	44.0	43.2	42.6	42.4	42.6
30°	523.1	468.3	234.2	55.4	42.0	40.0	39.4	38.4	37.3	36.9	36.9
32.5°	535.5	462.6	181.4	44.6	38.1	35.9	34.1	32.5	30.6	29.8	29.6
35°	549.3	452.1	132.9	39.2	34.5	31.7	29.0	26.4	23.9	23.1	22.9
37.5°	566.5	442.7	90.1	36.3	31.5	28.2	24.4	20.9	18.5	18.1	18.1
40°	589.7	434.8	62.3	33.7	28.8	24.8	20.3	16.6	15.0	14.6	14.6
42.5°	621.5	428.3	47.1	31.5	26.4	21.5	16.4	13.6	12.4	12.0	12.0
45°	658.9	418.2	39.8	29.6	24.1	18.1	13.6	11.4	10.8	10.8	10.8
47.5°	701.9	405.6	36.3	27.6	21.5	14.8	11.4	10.5	10.3	10.3	10.5
50°	745.3	390.6	33.7	25.2	18.5	12.6	10.5	9.9	9.9	10.1	10.1
52.5°	774.7	367.1	31.2	22.7	15.6	11.0	9.9	9.7	9.5	9.5	9.5
55°	803.3	346.6	27.6	19.9	13.0	10.3	9.5	9.3	9.3	9.1	9.1
57.5°	833.1	330.5	23.1	16.6	11.0	9.7	9.1	9.1	8.7	8.5	8.5
60°	867.6	316.3	17.7	13.0	9.7	9.1	8.5	8.3	7.9	7.5	7.5
62.5°	877.6	286.3	13.4	10.5	8.3	7.9	7.7	7.3	6.3	5.5	5.7
65°	851.4	239.2	10.6	8.3	6.7	6.7	6.1	5.1	4.1	3.5	3.5
67.5°	779.0	178.6	8.7	6.5	5.3	5.1	4.3	3.7	2.6	2.2	2.2
70°	642.0	118.1	7.1	5.1	4.3	3.5	3.0	2.8	2.0	1.6	1.6
72.5°	449.9	64.1	5.9	4.1	3.2	2.4	2.0	1.8	1.4	1.2	1.0
75°	237.6	24.6	4.7	3.2	2.0	1.6	1.2	1.2	1.0	0.8	0.8
77.5°	81.4	10.5	3.4	1.8	1.4	1.0	0.8	0.6	0.8	0.6	0.6
80°	19.3	6.1	2.2	1.2	0.8	0.6	0.6	0.4	0.4	0.4	0.4
82.5°	8.5	3.5	1.4	0.8	0.8	0.6	0.4	0.2	0.2	0.2	0.2
85°	5.7	2.2	1.0	0.8	0.6	0.4	0.2	0.2	0.0	0.0	0.0
87.5°	4.5	1.4	0.8	0.8	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)