

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: P676407

Luminaire Tested: **CCW-SA-1A-735-U-T3-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P676407  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1A-735-U-T3-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @350mA w/  
T3 distribution lens and House Side Shield  
Light Source: (16) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

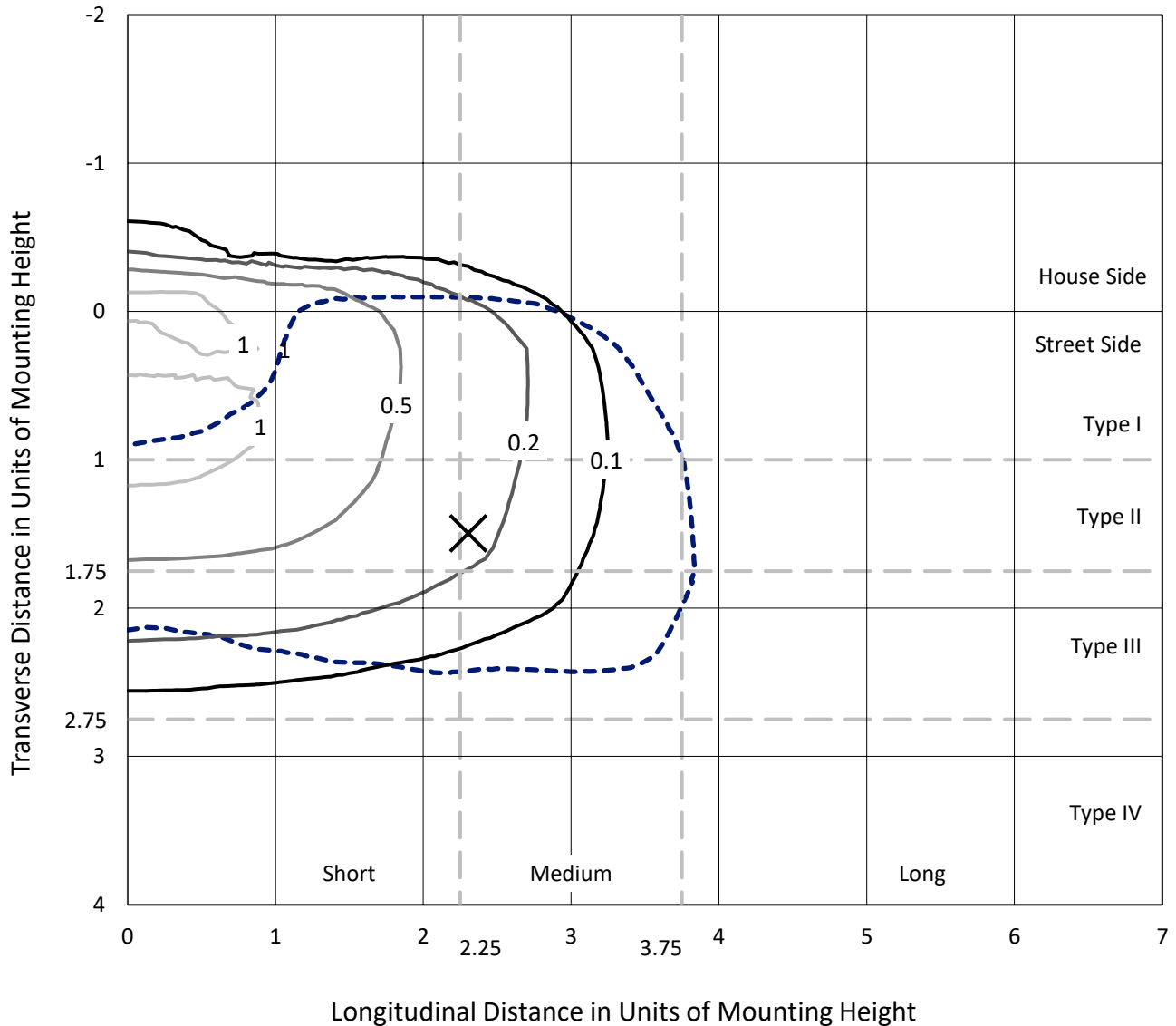
Lumens per Lamp: N/A  
Luminaire Lumens: 1943.9 lumens  
Efficiency: N/A  
Efficacy: 108.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B0 - U0 - G1

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

REPORT NUMBER: P676407  
 CATALOG NUMBER: CCW-SA-1A-735-U-T3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

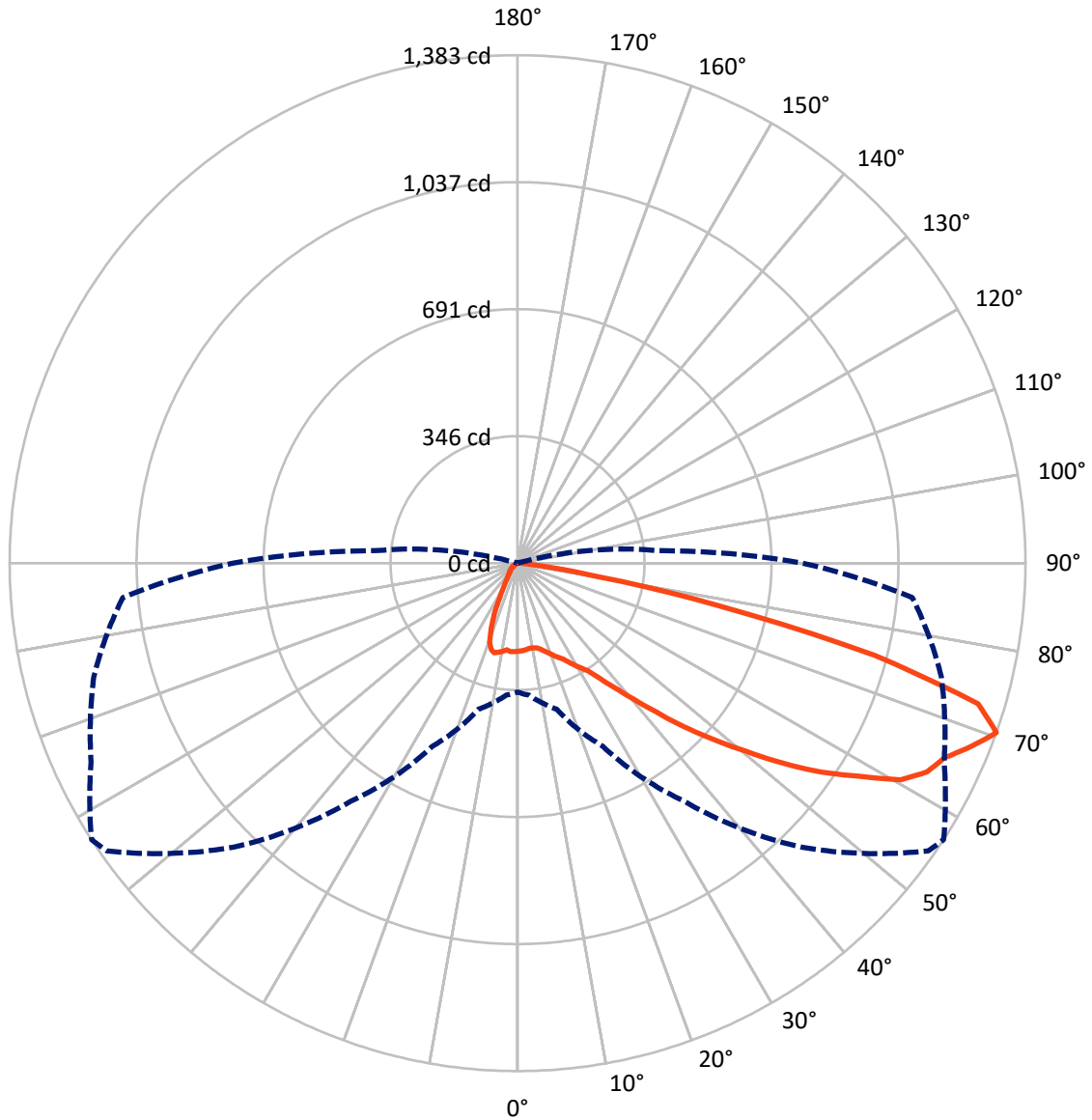
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.4 fc  
 Type III - Medium - N/A

REPORT NUMBER: P676407  
CATALOG NUMBER: CCW-SA-1A-735-U-T3-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P676407

CATALOG NUMBER: CCW-SA-1A-735-U-T3-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	229.1	0.0	229.1
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	1714.8	0.0	1714.8
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	1943.9	0.0	1943.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	22.4	1.2
10°-20°	62.7	3.2
20°-30°	105.6	5.4
30°-40°	180.7	9.3
40°-50°	303.3	15.6
50°-60°	465.6	24.0
60°-70°	537.6	27.7
70°-80°	254.0	13.1
80°-90°	12.1	0.6
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°	1943.9	100.0
0°-180°	1943.9	100.0



REPORT NUMBER: P676407

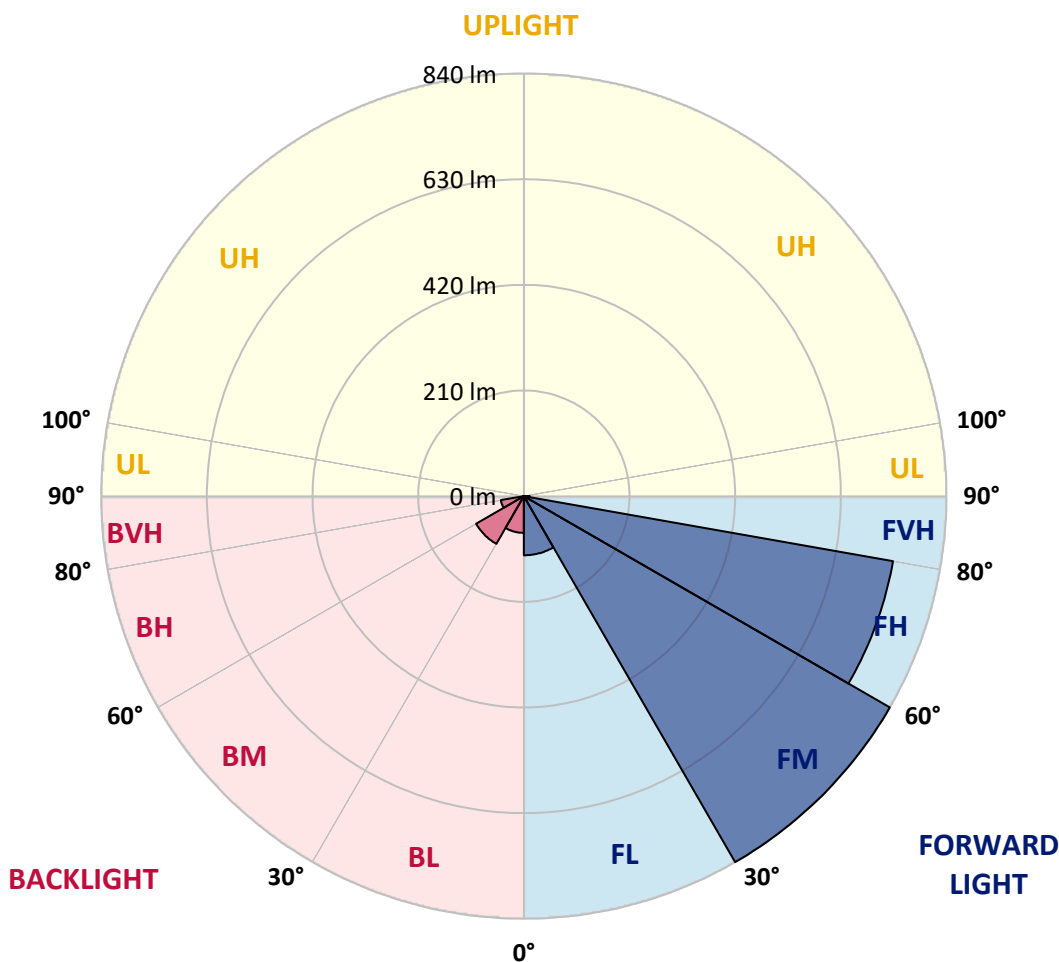
CATALOG NUMBER: CCW-SA-1A-735-U-T3-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	117.6	6.0			
FM (30°-60°)	840.1	43.2			
FH (60°-80°)	745.2	38.3			G1/1800
FVH (80°-90°)	11.8	0.6			G1/100
BL (0°-30°)	73.0	3.8	B0/110		
BM (30°-60°)	109.5	5.6	B0/220		
BH (60°-80°)	46.3	2.4	B0/110		G0/110
BVH (80°-90°)	0.2	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 Medium





REPORT NUMBER: P676407  
 CATALOG NUMBER: CCW-SA-1A-735-U-T3-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9
2.5°	236.4	234.9	236.4	238.4	236.4	237.9	237.4	238.9	236.9	236.9	238.4
5°	221.0	223.5	224.5	226.9	229.4	233.9	236.9	236.9	239.9	241.3	243.3
7.5°	215.5	211.5	215.5	217.5	220.0	227.4	231.9	233.9	237.9	243.3	246.3
10°	207.6	210.6	210.6	217.0	220.5	225.0	232.9	234.4	243.3	248.8	251.8
12.5°	207.1	207.1	209.6	214.0	221.0	229.4	239.4	236.4	245.8	255.7	260.7
15°	208.6	212.0	212.0	218.0	223.5	235.4	243.8	244.3	257.7	267.7	272.1
17.5°	215.0	213.5	215.5	219.0	227.4	238.9	252.8	254.3	269.6	283.1	289.5
20°	228.4	230.9	227.9	225.9	229.4	244.3	262.2	265.2	282.6	295.5	301.9
22.5°	278.6	276.6	264.7	250.8	244.8	251.8	271.1	278.1	298.5	313.8	319.3
25°	335.2	331.7	317.8	297.0	269.6	266.7	289.0	289.0	318.3	335.2	333.7
27.5°	388.8	387.8	371.4	349.6	310.9	289.5	303.4	308.9	340.7	354.6	348.1
30°	443.5	444.4	429.6	403.2	362.5	326.3	323.8	328.2	357.5	379.4	366.0
32.5°	507.0	498.1	487.7	451.4	414.2	373.4	350.1	348.1	376.4	396.3	378.4
35°	563.6	558.2	546.7	514.0	471.3	422.6	389.8	384.9	400.3	426.6	407.2
37.5°	613.3	607.8	592.9	571.1	537.8	483.7	437.5	430.0	436.5	464.3	441.0
40°	656.0	657.5	653.5	632.2	601.4	552.2	499.1	487.2	481.7	506.5	480.2
42.5°	686.8	701.2	702.2	675.9	651.0	624.2	564.6	555.2	542.3	563.1	544.8
45°	751.3	743.4	748.4	738.9	711.6	707.6	640.1	634.6	616.8	623.7	604.4
47.5°	802.0	800.5	809.9	794.5	787.1	787.6	726.0	716.6	691.3	704.2	682.3
50°	831.3	823.3	857.6	869.5	868.0	874.0	812.9	805.0	780.6	799.5	752.8
52.5°	838.2	852.6	884.9	928.1	946.5	958.9	907.8	904.8	878.5	890.4	825.8
55°	855.6	869.5	888.4	959.4	1027.4	1030.4	1001.1	1004.1	980.8	977.8	895.4
57.5°	855.1	852.1	904.3	986.7	1081.1	1123.8	1107.9	1093.5	1068.2	1038.9	940.0
60°	823.8	822.4	876.5	990.2	1110.4	1208.2	1214.7	1197.8	1134.2	1091.0	992.7
62.5°	761.8	767.7	822.4	960.4	1138.2	1238.5	1262.3	1250.9	1172.0	1125.8	1054.8
65°	690.8	678.3	741.9	885.9	1075.6	1229.6	1281.2	1277.2	1216.6	1163.5	1111.9
67.5°	554.2	559.7	608.3	762.3	968.8	1196.8	1325.4	1331.4	1252.4	1196.8	1129.2
70°	351.1	361.0	411.7	550.7	791.1	1093.5	1365.1	1382.5	1280.7	1193.8	1078.6
72.5°	102.3	106.3	175.3	274.6	504.0	877.0	1301.6	1310.5	1225.6	1083.6	834.3
75°	33.8	35.8	51.6	89.4	197.6	453.4	961.4	1003.6	975.3	785.6	477.2
77.5°	22.3	23.3	28.3	42.7	75.0	142.0	515.5	560.7	549.7	368.0	153.9
80°	16.4	16.9	20.9	28.8	45.7	51.1	190.2	220.0	212.5	84.4	30.8
82.5°	10.4	10.4	15.4	20.4	28.8	25.3	55.1	61.1	59.6	32.3	11.9
85°	7.0	7.4	11.4	15.9	15.9	11.9	15.9	18.4	19.9	17.4	5.5
87.5°	2.0	2.5	6.5	10.9	6.5	6.0	5.5	6.0	7.0	9.4	3.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P676407  
 CATALOG NUMBER: CCW-SA-1A-735-U-T3-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9
2.5°	239.9	241.8	241.3	242.3	240.8	239.4	240.8	240.8	240.8	239.4	238.4
5°	241.8	240.8	241.8	239.9	241.8	239.9	238.9	235.9	235.4	235.4	237.4
7.5°	244.8	245.8	241.3	241.3	236.9	237.9	235.4	235.9	234.9	233.4	232.4
10°	249.3	253.3	248.8	247.3	242.3	238.4	232.4	229.4	229.4	227.4	229.4
12.5°	261.7	260.2	257.7	252.8	246.8	238.9	224.5	210.1	198.1	189.2	193.7
15°	271.6	271.1	267.7	258.2	250.3	225.9	189.7	152.5	132.6	123.7	122.2
17.5°	287.0	285.5	279.6	267.2	240.8	187.2	130.1	98.8	79.5	75.0	73.5
20°	301.4	300.9	288.0	272.1	217.0	136.6	84.9	65.1	59.6	60.1	59.1
22.5°	316.8	314.3	298.9	266.2	172.8	90.9	60.6	58.1	56.1	55.6	56.6
25°	334.2	325.3	309.9	252.8	127.1	62.6	57.1	55.1	53.1	52.6	52.6
27.5°	341.2	335.2	314.8	220.5	80.4	54.6	53.6	51.1	48.7	47.2	46.7
30°	357.0	347.1	319.8	173.3	57.1	50.2	48.7	45.7	42.2	39.7	39.7
32.5°	372.9	361.0	320.3	121.2	47.7	45.2	42.7	38.7	34.3	31.8	32.3
35°	392.8	376.4	314.8	78.5	42.7	39.7	34.8	30.3	26.3	24.3	24.3
37.5°	426.6	411.2	292.5	51.6	38.7	33.8	28.8	23.8	20.4	18.9	18.9
40°	469.3	449.4	261.7	40.7	34.3	28.8	22.8	18.4	16.4	14.9	14.9
42.5°	520.4	495.6	216.0	36.3	30.3	23.8	17.9	14.4	12.4	12.4	11.9
45°	571.6	530.9	169.3	33.3	26.8	19.9	13.9	11.4	10.4	9.9	9.9
47.5°	644.6	573.6	121.2	30.3	23.3	15.4	11.4	9.4	8.4	7.9	8.4
50°	714.6	613.8	85.9	27.3	19.4	12.4	9.4	8.4	7.4	7.0	7.0
52.5°	776.2	641.6	60.1	23.8	16.4	10.4	8.4	7.4	7.0	6.5	6.5
55°	809.9	632.2	41.2	20.4	13.4	8.9	7.4	6.5	6.0	5.5	5.5
57.5°	844.7	605.8	31.3	16.9	10.9	8.4	7.0	6.0	5.5	5.0	5.0
60°	874.0	586.5	24.3	13.4	8.9	7.0	6.0	5.0	4.5	4.0	3.5
62.5°	875.5	547.7	17.9	9.9	7.0	6.0	5.0	4.0	2.5	2.0	1.5
65°	881.4	507.0	12.9	7.4	5.0	4.5	3.5	2.0	1.0	0.0	0.0
67.5°	860.6	458.8	10.4	5.5	3.5	2.5	1.5	0.5	0.0	0.0	0.0
70°	775.7	387.3	7.9	4.0	2.5	1.5	0.5	0.0	0.0	0.0	0.0
72.5°	555.2	251.8	5.5	3.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0
75°	296.0	107.3	4.0	2.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	92.9	27.3	2.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
80°	20.4	7.4	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	7.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.0	0.5	0.5	0.0	0.0	0.0	0.0	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)