

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: P676861

Luminaire Tested: **CCW-SA-1A-750-U-SL2-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P676861  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1A-750-U-SL2-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @350mA w/  
SL2 distribution lens and House Side Shield  
Light Source: (16) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

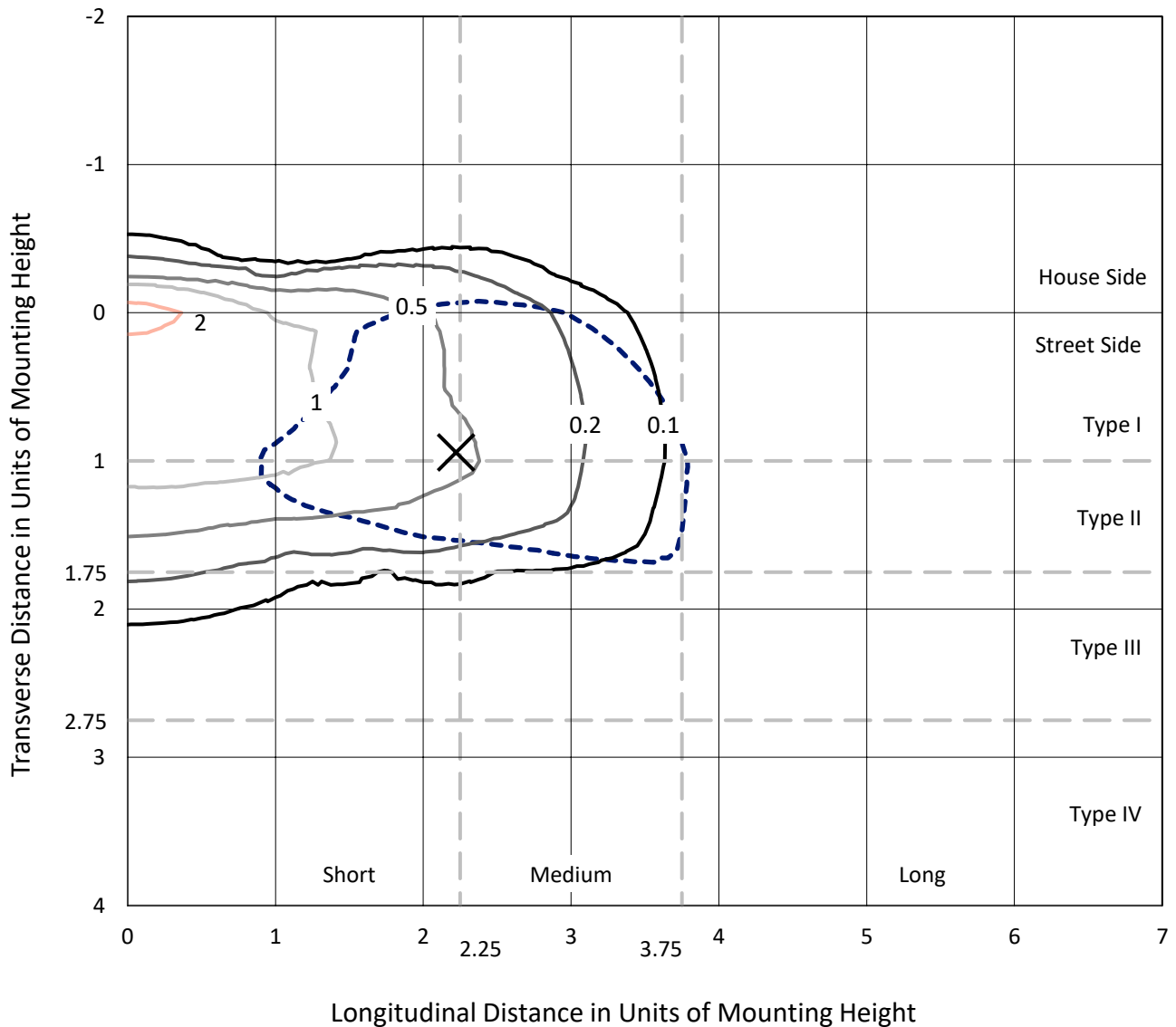
Lumens per Lamp: N/A  
Luminaire Lumens: 2250.4 lumens  
Efficiency: N/A  
Efficacy: 125.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B0 - U0 - G1

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

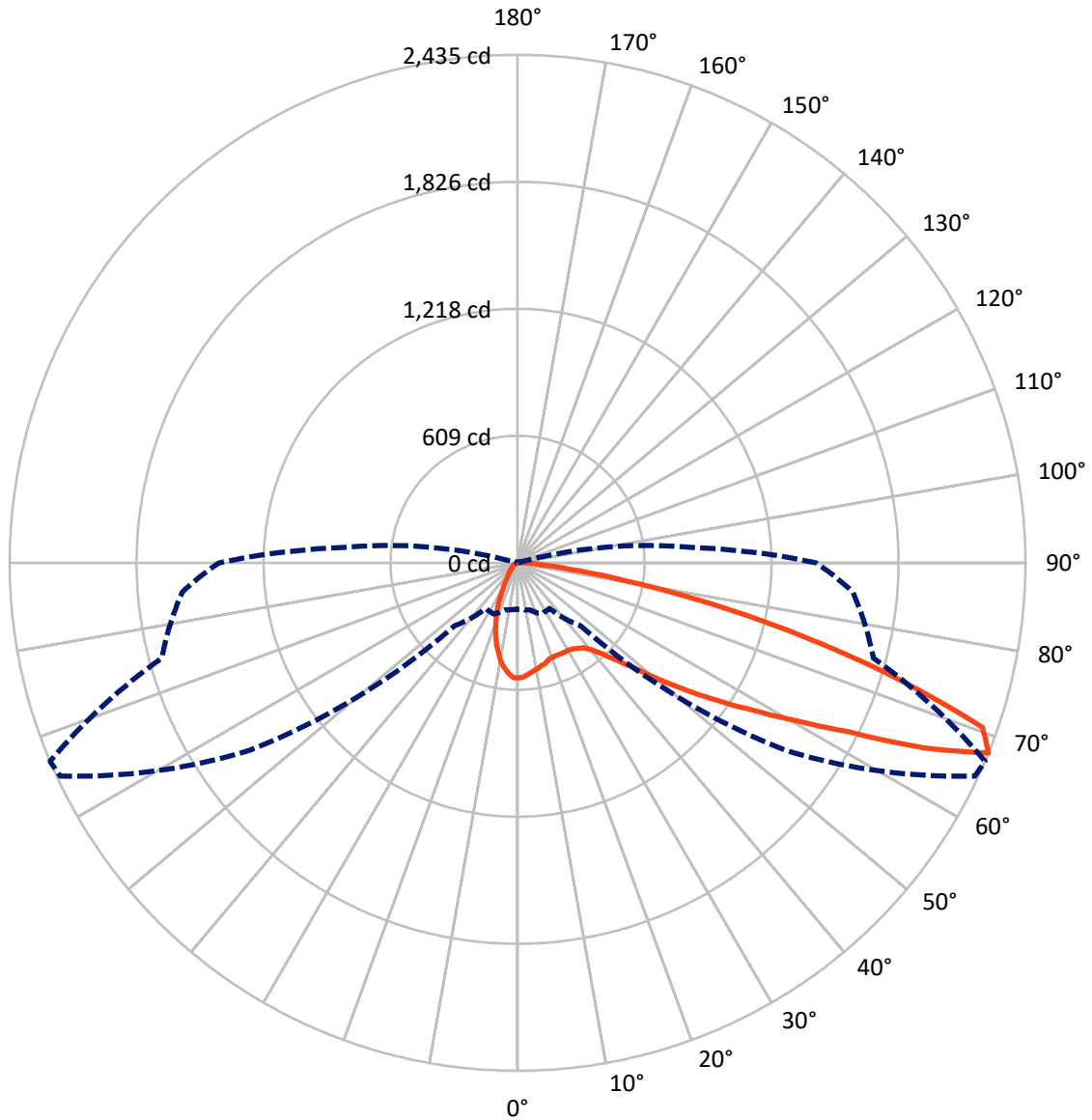
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	283.2	0.0	283.2
	% Fixture	12.6	0.0	12.6
<b>Street Side</b>	Lumens	1967.2	0.0	1967.2
	% Fixture	87.4	0.0	87.4
<b>Total</b>	Lumens	2250.4	0.0	2250.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.5	2.1
10°-20°	103.3	4.6
20°-30°	146.9	6.5
30°-40°	213.9	9.5
40°-50°	331.1	14.7
50°-60°	508.1	22.6
60°-70°	550.8	24.5
70°-80°	310.7	13.8
80°-90°	39.0	1.7
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°	2250.4	100.0
0°-180°	2250.4	100.0

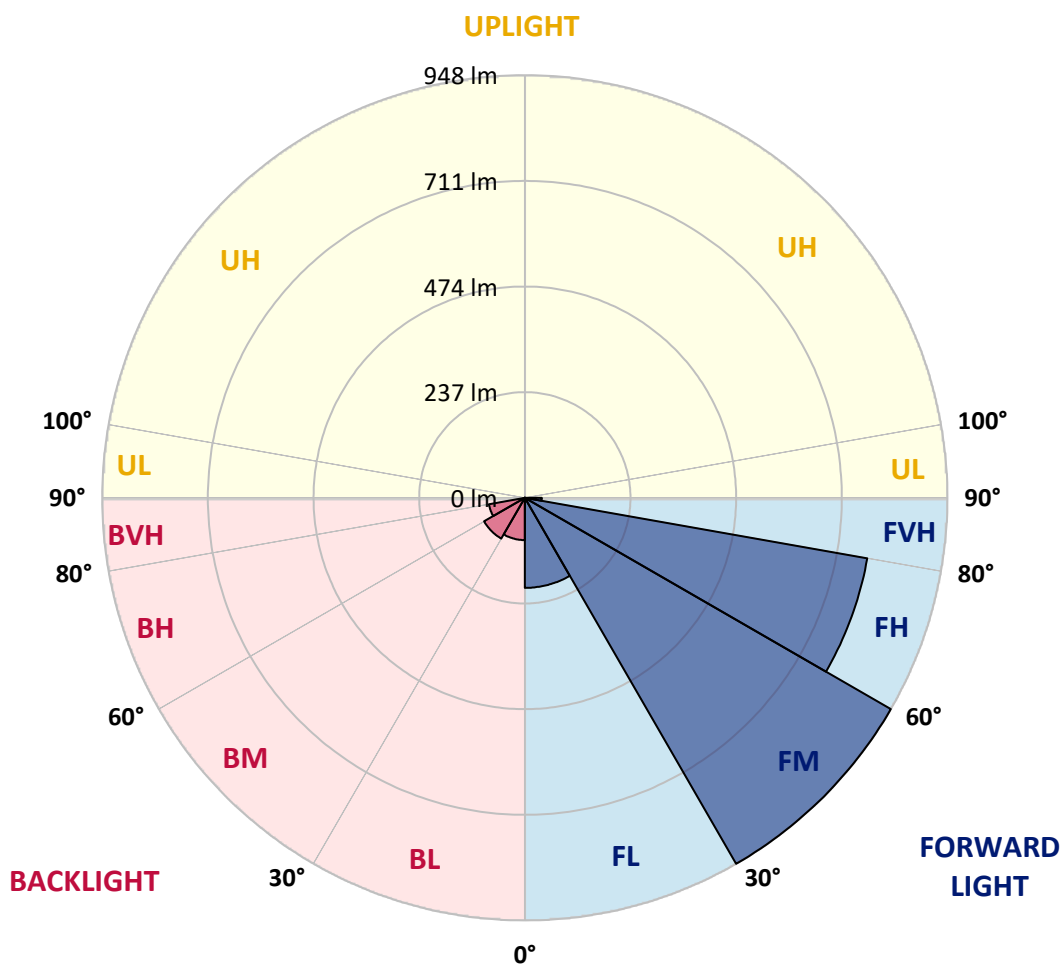


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	201.9	9.0			
FM (30°-60°)	947.6	42.1			
FH (60°-80°)	779.7	34.6			G1/1800
FVH (80°-90°)	37.9	1.7			G1/100
BL (0°-30°)	94.8	4.2	B0/110		
BM (30°-60°)	105.5	4.7	B0/220		
BH (60°-80°)	81.8	3.6	B0/110		G0/110
BVH (80°-90°)	1.1	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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	552.0	552.0	552.0	552.0	552.0	552.0	552.0	552.0	552.0	552.0	552.0
2.5°	528.1	530.8	534.6	540.1	543.8	541.7	543.3	552.5	547.6	552.0	549.8
5°	498.8	501.6	507.0	506.4	510.8	518.9	529.8	541.7	536.3	549.3	554.2
7.5°	468.5	467.4	467.4	478.8	488.0	499.4	505.4	524.9	525.4	536.8	548.7
10°	440.8	444.1	449.5	453.8	462.5	478.8	496.1	511.3	517.3	540.1	543.3
12.5°	424.0	425.6	432.2	435.9	447.3	463.1	481.5	501.0	505.9	529.2	544.9
15°	417.0	420.8	422.9	430.0	435.9	450.6	464.1	486.4	500.5	518.9	538.4
17.5°	422.4	420.8	421.8	424.0	431.1	444.1	458.7	481.0	485.8	516.7	546.0
20°	429.4	430.0	426.7	425.6	424.0	436.5	448.4	477.2	482.6	516.7	550.9
22.5°	448.4	442.5	448.4	439.7	431.1	436.5	447.9	477.7	481.5	516.2	555.8
25°	471.7	472.8	474.4	456.0	443.5	439.7	451.7	479.3	482.6	520.5	557.9
27.5°	504.8	509.7	501.6	492.3	467.4	448.4	451.1	478.2	484.2	518.4	563.4
30°	549.3	545.5	546.6	525.4	501.0	471.2	463.6	481.0	485.3	521.1	573.7
32.5°	587.8	583.4	591.0	583.4	544.9	503.7	478.2	486.4	491.3	527.6	582.3
35°	611.6	617.0	629.0	637.1	604.6	546.0	502.6	501.0	503.2	530.8	588.9
37.5°	648.5	658.3	668.0	688.6	660.4	598.1	541.1	520.0	516.2	546.6	592.1
40°	688.6	685.9	714.6	739.0	738.0	671.3	594.8	553.6	548.2	571.5	613.8
42.5°	722.2	719.5	751.5	791.6	796.0	741.8	656.1	601.3	596.4	610.0	640.4
45°	766.2	768.3	806.3	854.0	869.7	835.0	739.0	669.6	666.9	662.6	690.8
47.5°	805.2	817.1	849.7	906.1	963.0	931.5	836.6	769.4	750.4	740.7	768.9
50°	832.3	843.2	882.7	942.9	1047.0	1067.1	946.2	875.7	876.2	852.4	867.6
52.5°	832.3	831.8	863.8	942.9	1105.6	1208.6	1092.6	1009.6	1014.0	989.0	990.1
55°	752.1	750.4	789.5	873.5	1099.1	1344.7	1314.3	1179.3	1168.5	1120.2	1125.1
57.5°	605.7	609.5	639.3	740.1	1014.5	1408.2	1578.4	1370.2	1333.3	1233.6	1233.6
60°	441.9	438.7	460.9	531.4	812.8	1384.3	1795.3	1595.2	1537.2	1327.4	1313.3
62.5°	336.2	335.6	341.6	365.5	515.7	1207.0	1888.6	1881.5	1787.2	1419.5	1399.5
65°	271.7	272.7	280.9	297.7	315.0	823.1	1839.2	2223.1	2136.9	1556.7	1491.1
67.5°	221.8	224.5	234.2	270.6	266.8	426.2	1566.5	2418.9	2435.1	1766.0	1614.2
70°	170.8	175.1	186.5	238.0	257.0	283.6	1086.1	2321.3	2364.6	1896.2	1539.9
72.5°	116.0	115.5	139.9	193.0	259.7	259.7	604.6	1869.6	1910.8	1748.1	1337.7
75°	62.9	66.7	92.7	145.9	238.0	251.0	344.3	1368.0	1426.0	1359.4	1034.6
77.5°	34.2	34.7	51.5	95.4	197.9	239.7	229.9	930.5	953.2	819.8	566.6
80°	17.9	18.4	27.1	62.4	136.6	222.3	191.4	554.7	533.0	314.5	187.1
82.5°	8.1	8.7	13.6	39.0	87.3	175.1	165.4	267.9	247.3	87.8	56.9
85°	3.3	3.3	6.0	23.3	51.0	86.2	141.5	134.5	112.2	26.6	28.2
87.5°	1.1	1.1	1.6	9.2	20.6	51.5	75.4	71.0	48.8	9.8	15.2
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°	552.0	552.0	552.0	552.0	552.0	552.0	552.0	552.0	552.0	552.0	552.0
2.5°	547.6	553.6	552.0	550.9	540.6	539.5	538.4	528.7	531.9	523.8	529.2
5°	550.9	554.2	545.5	529.2	514.6	498.3	485.8	477.2	461.4	455.5	454.4
7.5°	547.6	547.6	529.8	503.7	475.0	448.4	414.8	390.9	373.0	359.5	364.4
10°	543.3	536.8	518.4	472.3	420.2	380.1	331.8	296.6	270.0	261.4	255.9
12.5°	543.3	531.9	490.7	427.8	360.6	299.8	242.4	196.3	170.8	155.6	153.4
15°	538.4	521.6	470.6	386.1	302.6	220.1	154.5	115.0	93.3	87.3	85.1
17.5°	539.5	519.4	440.8	336.7	234.8	146.4	94.3	72.7	67.2	64.5	65.1
20°	541.7	519.4	414.3	288.5	169.2	91.1	65.1	61.3	58.6	57.5	58.0
22.5°	548.7	509.1	387.1	239.1	114.4	65.6	57.5	53.7	51.5	49.9	49.3
25°	549.8	507.5	361.1	190.3	78.6	55.3	50.4	46.1	43.4	41.2	40.7
27.5°	548.2	500.5	324.8	141.5	59.1	49.3	42.8	38.5	34.7	33.1	32.5
30°	554.2	487.5	293.9	101.9	49.9	42.8	36.3	31.4	28.2	26.0	26.0
32.5°	554.7	476.1	259.7	72.7	45.5	38.0	30.9	25.5	22.2	21.1	21.1
35°	555.2	465.8	221.8	55.3	40.7	32.5	25.5	21.1	19.0	17.4	17.4
37.5°	556.9	458.2	187.1	46.6	36.3	27.7	21.1	17.4	15.2	14.6	14.6
40°	560.1	447.9	150.7	41.2	31.4	23.3	17.9	14.6	12.5	11.9	11.4
42.5°	568.8	445.2	120.4	36.9	28.2	19.5	14.6	11.9	10.3	9.2	8.7
45°	604.6	452.2	93.3	34.2	23.9	16.3	12.5	9.8	7.6	7.0	6.5
47.5°	663.1	475.5	73.7	30.4	20.1	13.6	10.3	7.6	6.0	5.4	4.9
50°	752.1	528.7	60.2	27.1	16.8	11.4	8.1	6.0	4.3	3.8	3.8
52.5°	868.6	600.2	52.1	23.9	13.6	9.8	6.5	4.3	3.3	2.7	2.7
55°	987.9	684.8	48.8	20.6	11.4	8.1	4.9	3.3	2.2	1.6	1.6
57.5°	1097.5	739.6	47.2	16.8	9.8	6.0	3.8	2.2	1.1	0.5	0.5
60°	1165.8	779.7	42.3	13.6	7.6	4.9	2.7	1.1	0.5	0.0	0.0
62.5°	1255.8	820.4	34.7	10.3	5.4	3.3	1.6	0.5	0.0	0.0	0.0
65°	1374.5	865.9	27.1	8.1	4.3	2.2	1.1	0.5	0.0	0.0	0.0
67.5°	1431.5	842.1	18.4	6.0	2.7	1.1	0.5	0.0	0.0	0.0	0.0
70°	1317.6	709.2	13.0	4.3	1.6	0.5	0.5	0.0	0.0	0.0	0.0
72.5°	1107.8	555.8	9.8	2.7	1.1	0.5	0.0	0.0	0.0	0.0	0.0
75°	816.6	347.6	7.6	2.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	433.2	129.6	5.4	1.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0
80°	128.0	38.0	3.8	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	42.3	11.4	2.2	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	21.7	4.3	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.5	1.6	1.1	1.1	0.5	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)