

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: P676717

Luminaire Tested: **CCW-SA-1A-750-U-T4W-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676717
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-T4W-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @350mA w/
T4W distribution lens and House Side Shield
Light Source: (16) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

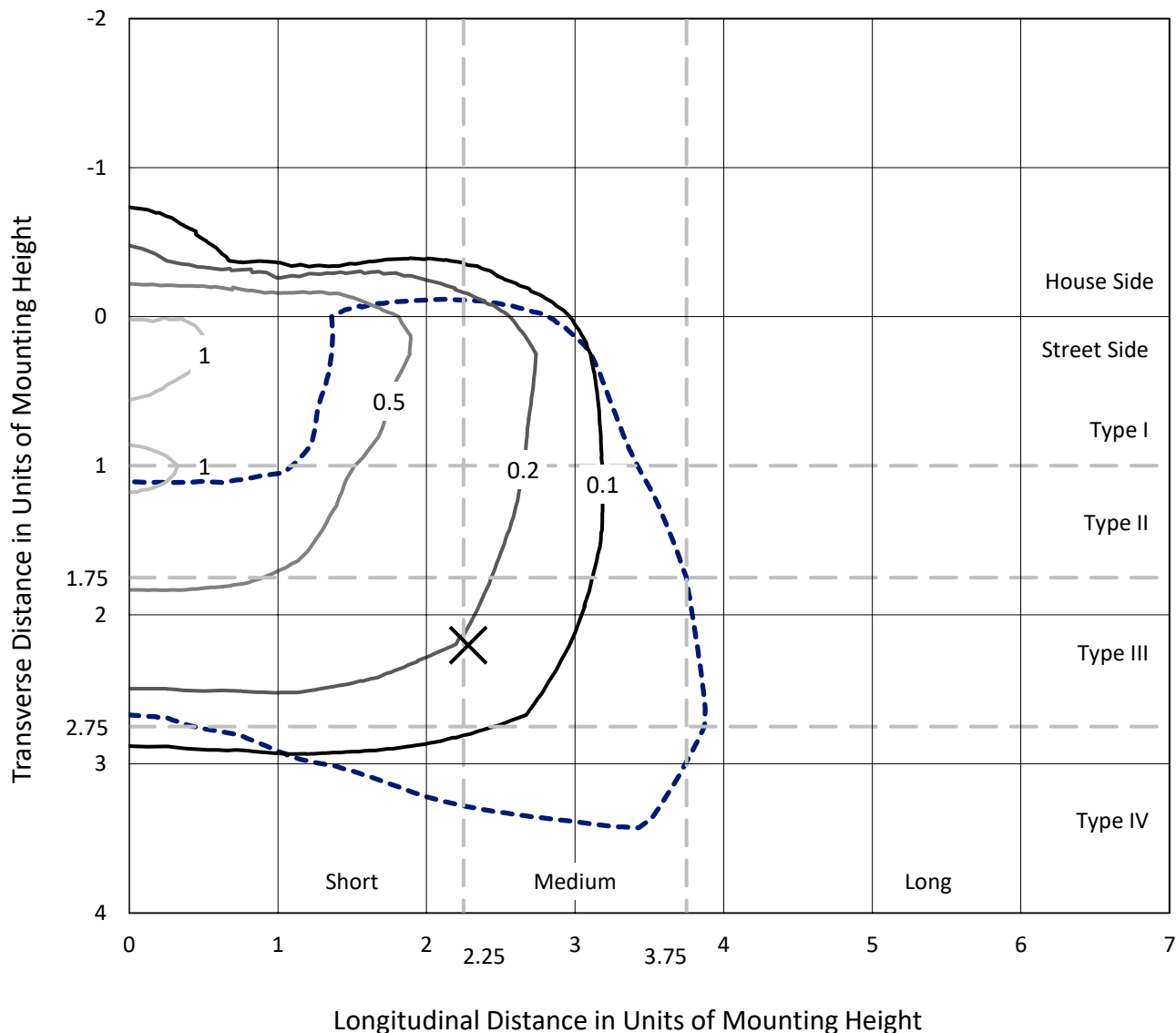
Lumens per Lamp: N/A
Luminaire Lumens: 2019 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B0 - U0 - G1

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

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Iso-Footcandle Lines of Horizontal Illumination

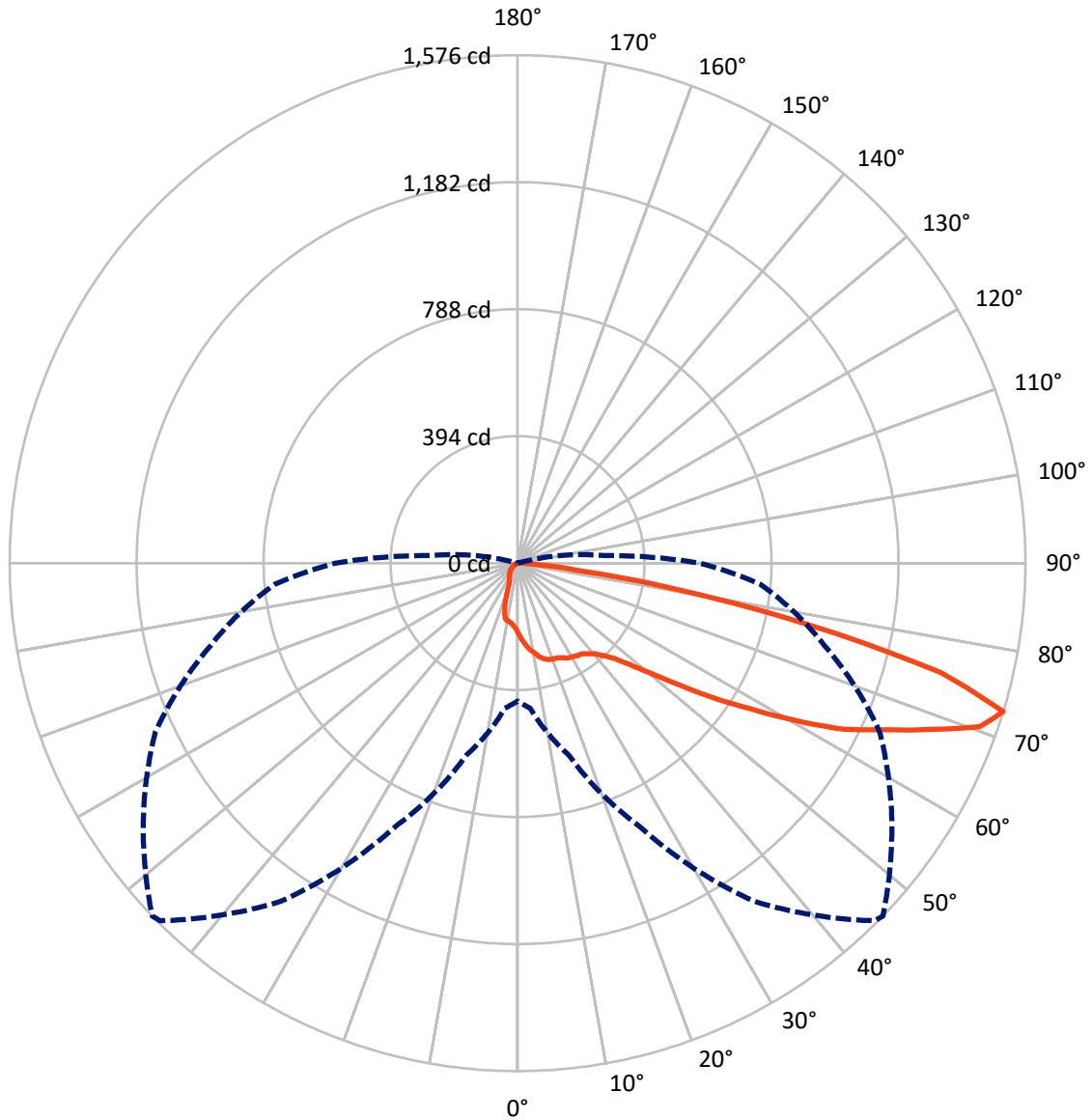
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	217.4	0.0	217.4
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	1801.7	0.0	1801.7
	% Fixture	89.2	0.0	89.2
Total	Lumens	2019.0	0.0	2019.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.6	1.1
10°-20°	65.2	3.2
20°-30°	102.1	5.1
30°-40°	143.0	7.1
40°-50°	235.7	11.7
50°-60°	423.7	21.0
60°-70°	614.1	30.4
70°-80°	383.3	19.0
80°-90°	30.4	1.5
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°	2019.0	100.0
0°-180°	2019.0	100.0

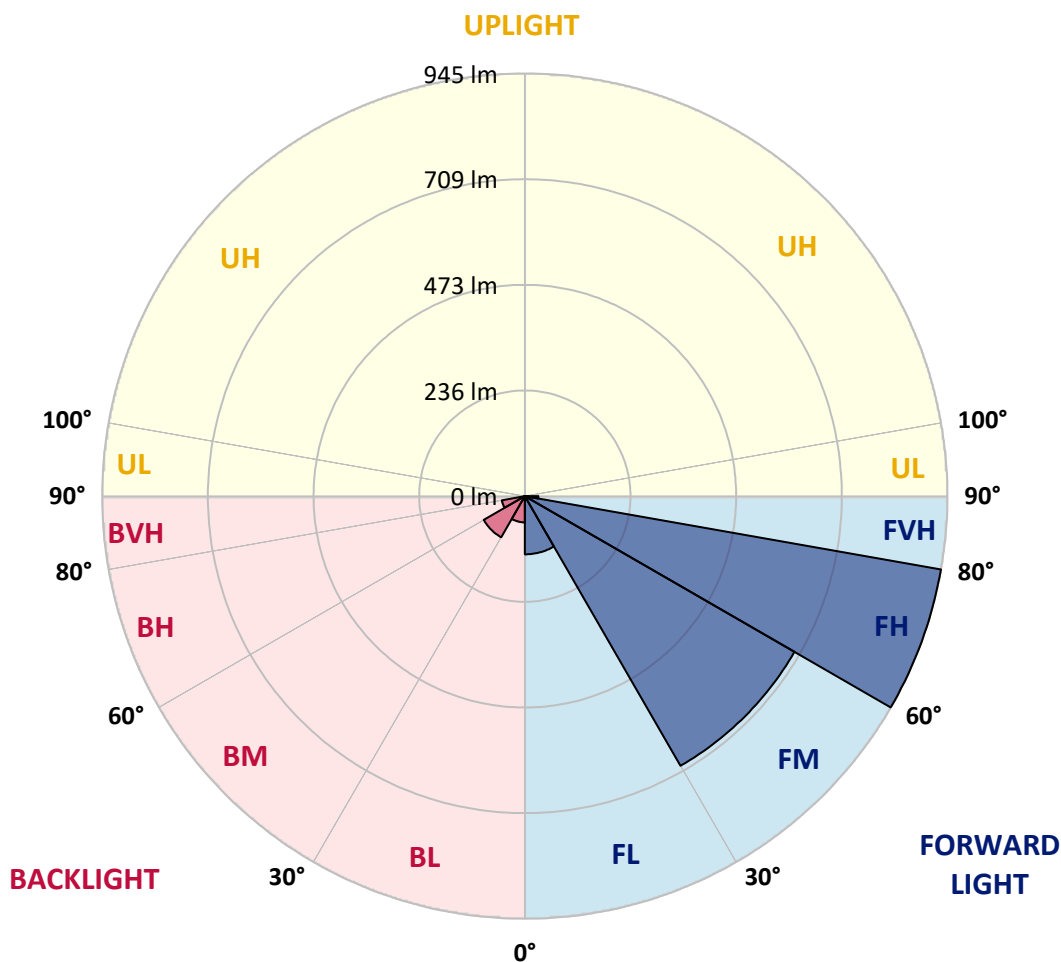


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	130.1	6.4			
FM (30°-60°)	696.2	34.5			
FH (60°-80°)	945.1	46.8			G1/1800
FVH (80°-90°)	30.2	1.5			G1/100
BL (0°-30°)	58.7	2.9	B0/110		
BM (30°-60°)	106.2	5.3	B0/220		
BH (60°-80°)	52.3	2.6	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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8
2.5°	241.5	240.5	242.1	241.5	235.4	236.4	235.9	231.8	224.5	220.4	217.8
5°	269.3	271.9	269.9	265.2	261.6	254.4	253.4	246.7	235.4	228.1	220.4
7.5°	298.2	298.2	294.1	286.9	279.1	271.4	270.4	259.0	249.3	236.9	226.1
10°	319.8	317.2	314.2	306.4	297.7	287.4	282.2	274.0	263.2	248.2	234.3
12.5°	338.9	334.8	329.6	318.3	308.0	296.6	297.7	284.3	277.1	263.7	243.1
15°	349.7	346.1	341.4	331.1	315.2	310.0	308.0	299.7	286.9	273.5	253.9
17.5°	352.3	349.7	343.5	330.1	321.4	315.2	314.7	304.9	299.2	287.9	266.3
20°	347.1	342.5	337.8	329.1	320.8	318.8	317.2	317.2	310.0	295.1	274.0
22.5°	338.4	333.2	330.6	325.5	318.8	318.3	319.3	318.3	312.6	302.8	282.2
25°	331.7	329.1	325.0	323.4	319.3	327.0	325.5	323.9	322.4	311.1	295.1
27.5°	333.7	333.2	330.1	323.9	320.8	329.1	333.7	334.2	333.7	322.4	306.9
30°	334.8	332.2	329.1	327.5	328.6	336.8	336.8	348.1	343.5	332.2	318.8
32.5°	346.6	345.1	334.8	331.1	331.7	341.4	342.0	353.3	351.7	344.0	329.1
35°	371.8	361.5	346.6	336.3	336.3	349.2	345.1	361.5	365.7	353.3	336.3
37.5°	409.4	401.7	374.9	351.7	343.0	352.3	356.4	365.7	378.0	367.2	350.7
40°	484.1	482.6	444.4	394.5	360.0	368.2	369.8	384.2	392.4	377.5	372.9
42.5°	593.3	585.6	550.0	471.2	390.9	387.3	392.9	402.2	421.8	409.4	398.1
45°	699.9	696.3	660.7	572.7	447.0	425.4	422.3	438.8	467.6	454.2	445.5
47.5°	777.1	769.9	749.8	675.7	529.4	470.2	472.3	488.7	525.3	515.0	517.6
50°	836.4	832.8	811.6	771.0	633.5	540.8	536.6	553.1	602.6	609.2	616.5
52.5°	901.3	907.9	879.6	845.1	756.5	635.5	626.2	631.9	695.8	711.2	731.3
55°	963.6	974.4	946.1	941.4	885.3	740.6	739.0	725.6	808.0	810.1	820.9
57.5°	1004.3	1000.6	998.6	1023.8	1014.0	861.1	853.4	840.0	914.6	901.3	933.7
60°	1007.3	1017.6	1052.1	1114.5	1132.0	1002.7	991.4	954.8	1006.8	974.9	1036.7
62.5°	1030.5	1038.8	1102.6	1188.6	1211.3	1127.3	1135.1	1042.4	1085.6	1060.4	1151.0
65°	971.8	997.6	1125.8	1246.3	1315.3	1253.5	1245.8	1155.1	1166.5	1142.8	1263.8
67.5°	918.8	928.5	1062.4	1263.8	1397.7	1380.2	1377.1	1255.1	1249.9	1206.1	1295.7
70°	746.8	758.6	891.0	1174.2	1425.5	1528.0	1520.8	1395.1	1306.6	1171.6	1132.0
72.5°	428.0	451.7	617.5	904.3	1280.8	1569.2	1575.9	1417.8	1239.6	985.2	756.0
75°	140.1	146.8	256.5	512.4	957.9	1368.9	1357.0	1218.5	1000.1	650.4	341.4
77.5°	47.4	48.4	75.7	185.4	531.0	924.9	931.6	870.9	614.4	270.4	94.2
80°	24.2	25.8	37.1	69.5	218.4	503.7	514.5	496.5	257.5	79.8	22.7
82.5°	11.3	11.8	21.6	38.6	99.9	197.8	197.8	217.3	91.2	44.8	9.3
85°	4.1	4.1	11.3	22.1	42.2	65.9	66.4	67.0	47.9	33.5	4.1
87.5°	1.5	1.5	5.7	9.3	15.5	20.1	20.1	16.0	24.2	22.1	1.5
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°	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8
2.5°	216.8	213.7	211.2	207.5	202.9	200.3	200.9	197.8	197.8	196.2	195.7
5°	216.8	213.7	207.0	200.9	196.7	191.6	189.0	186.9	186.9	185.9	186.4
7.5°	218.4	213.7	204.5	196.2	189.5	184.4	180.3	179.7	178.7	176.1	178.2
10°	227.6	220.9	205.5	194.2	186.4	180.8	173.6	171.5	168.4	163.8	164.3
12.5°	235.4	226.6	212.7	197.2	187.5	178.2	161.7	143.7	136.0	127.7	128.2
15°	246.7	234.3	215.3	201.4	187.5	157.6	127.7	104.5	92.2	86.0	86.0
17.5°	252.9	242.6	222.5	203.9	172.5	128.2	90.6	70.6	68.5	69.5	69.5
20°	265.7	251.8	230.7	206.0	147.8	91.2	66.4	64.4	65.4	67.5	67.0
22.5°	274.0	260.1	236.9	196.7	114.3	65.4	62.3	61.3	62.3	64.9	64.9
25°	280.7	271.9	246.7	174.1	80.9	59.2	58.2	59.2	60.3	61.3	62.8
27.5°	297.2	282.2	253.4	144.7	58.2	55.1	56.1	56.7	56.7	58.2	58.7
30°	308.0	296.1	258.5	111.8	51.5	51.0	52.0	52.5	53.0	54.6	55.1
32.5°	318.3	314.2	251.8	75.7	48.4	47.4	46.9	47.4	49.4	51.0	50.5
35°	333.2	330.6	242.1	52.5	45.3	43.3	42.2	42.7	44.3	45.8	45.3
37.5°	351.2	353.8	218.4	45.8	42.2	39.7	37.6	37.6	38.1	39.7	40.2
40°	372.3	379.0	190.6	42.7	40.2	37.1	35.0	32.4	31.9	31.4	31.9
42.5°	411.0	418.7	159.1	40.7	37.1	33.5	30.4	27.3	24.7	23.2	23.2
45°	465.0	458.9	117.9	38.6	35.5	30.4	25.8	22.1	18.5	17.0	17.0
47.5°	539.7	518.6	80.9	36.6	33.0	26.8	21.6	17.0	13.9	12.4	12.4
50°	643.2	573.7	52.5	34.5	31.4	23.2	17.5	12.4	10.3	9.8	10.3
52.5°	741.1	629.8	41.7	31.9	28.3	20.1	13.4	10.3	9.3	8.8	8.8
55°	831.2	658.2	37.1	29.4	25.8	16.5	11.3	8.8	8.2	7.7	7.7
57.5°	907.4	668.0	31.9	25.8	20.6	12.9	9.3	7.7	6.7	6.2	6.2
60°	973.4	670.5	24.7	20.6	14.9	9.8	7.7	6.7	5.7	4.6	4.6
62.5°	1025.9	652.5	17.5	14.4	10.3	7.7	6.7	4.6	3.1	2.1	1.5
65°	1067.6	616.5	11.8	9.8	6.7	5.7	4.1	2.1	0.5	0.0	0.0
67.5°	1018.7	534.6	9.3	7.2	4.6	3.6	2.1	0.5	0.0	0.0	0.0
70°	830.7	414.6	6.7	4.6	3.1	1.0	0.5	0.0	0.0	0.0	0.0
72.5°	565.5	267.3	5.2	3.1	1.5	0.5	0.0	0.0	0.0	0.0	0.0
75°	253.9	95.8	3.6	2.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	61.8	22.7	2.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	16.5	5.7	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	6.2	2.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.0	0.5	0.0	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)