

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: P676474

Luminaire Tested: **CCW-SA-1B-835-U-T3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676474
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1B-835-U-T3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @450mA w/
T3 distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

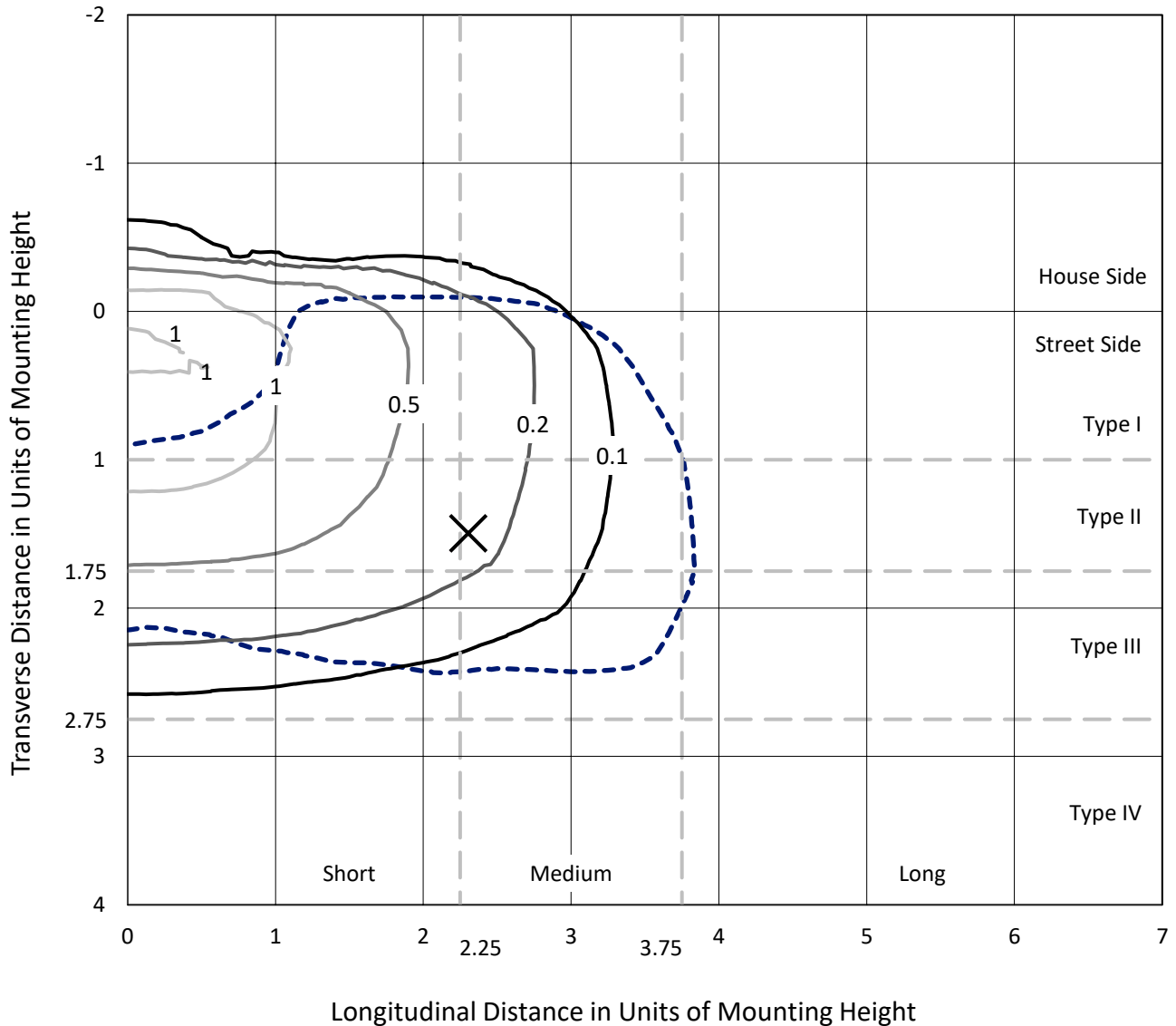
Lumens per Lamp: N/A
Luminaire Lumens: 2050.1 lumens
Efficiency: N/A
Efficacy: 85.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 24
Input Voltage (V): 120
Input Current (A_{in}): 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

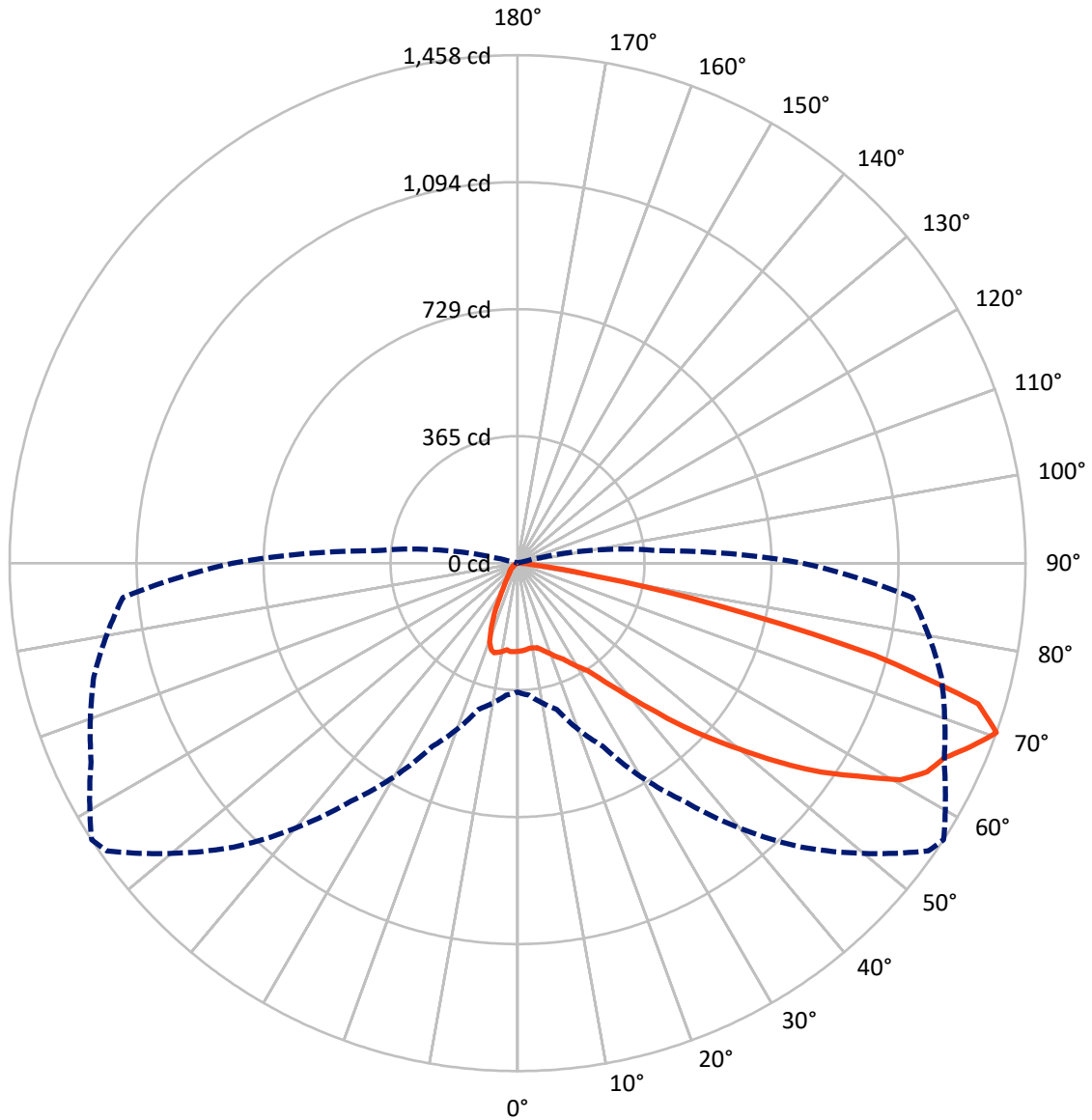
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	241.6	0.0	241.6
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	1808.5	0.0	1808.5
	% Fixture	88.2	0.0	88.2
Total	Lumens	2050.1	0.0	2050.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.6	1.2
10°-20°	66.1	3.2
20°-30°	111.3	5.4
30°-40°	190.5	9.3
40°-50°	319.9	15.6
50°-60°	491.1	24.0
60°-70°	567.0	27.7
70°-80°	267.8	13.1
80°-90°	12.7	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°	2050.1	100.0
0°-180°	2050.1	100.0



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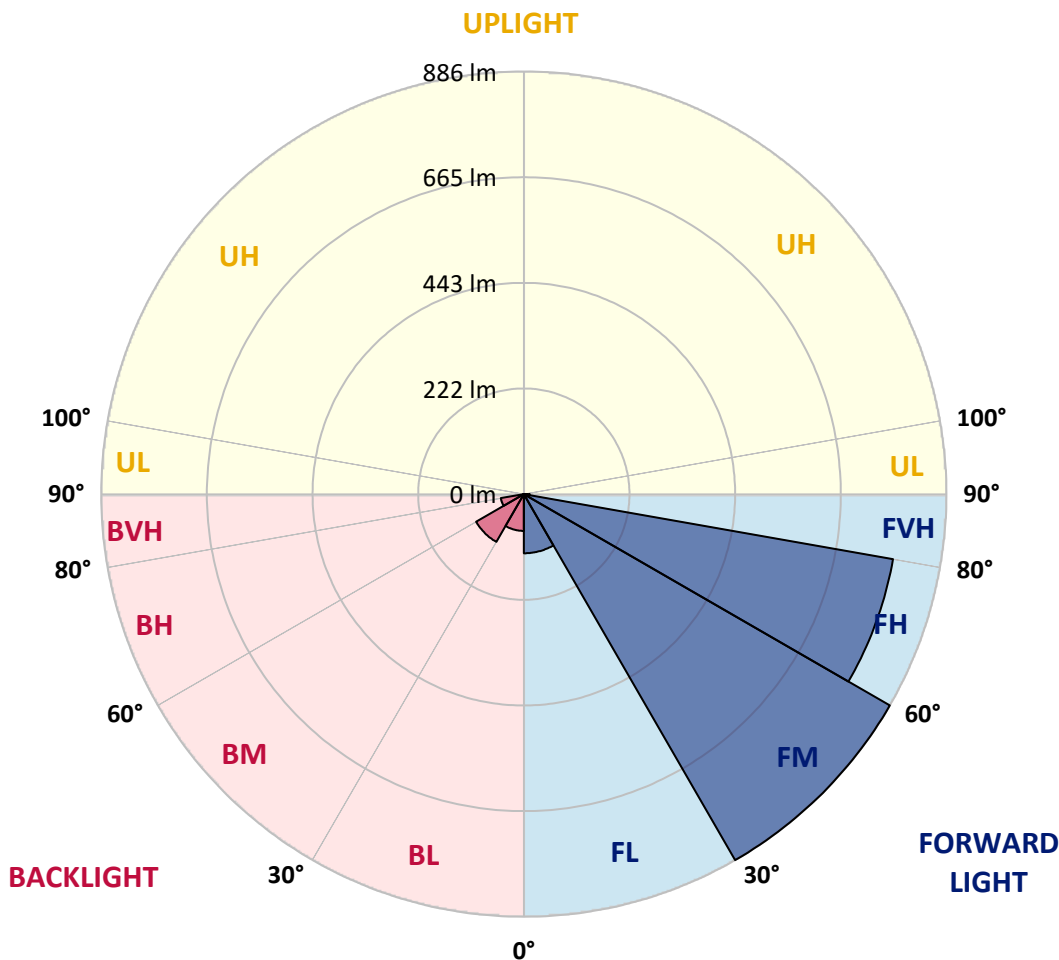
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	124.0	6.0			
FM (30°-60°)	886.0	43.2			
FH (60°-80°)	785.9	38.3			G1/1800
FVH (80°-90°)	12.5	0.6			G1/100
BL (0°-30°)	77.0	3.8	B0/110		
BM (30°-60°)	115.5	5.6	B0/220		
BH (60°-80°)	48.9	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	253.0	253.0	253.0	253.0	253.0	253.0	253.0	253.0	253.0	253.0	253.0
2.5°	249.3	247.7	249.3	251.4	249.3	250.9	250.3	251.9	249.8	249.8	251.4
5°	233.1	235.7	236.7	239.3	242.0	246.7	249.8	249.8	253.0	254.5	256.6
7.5°	227.3	223.1	227.3	229.4	232.0	239.9	244.6	246.7	250.9	256.6	259.8
10°	218.9	222.1	222.1	228.9	232.5	237.2	245.6	247.2	256.6	262.4	265.5
12.5°	218.4	218.4	221.0	225.7	233.1	242.0	252.4	249.3	259.2	269.7	275.0
15°	220.0	223.6	223.6	229.9	235.7	248.2	257.1	257.7	271.8	282.3	287.0
17.5°	226.8	225.2	227.3	231.0	239.9	251.9	266.6	268.1	284.4	298.5	305.3
20°	240.9	243.5	240.4	238.3	242.0	257.7	276.5	279.7	298.0	311.6	318.4
22.5°	293.8	291.7	279.1	264.5	258.2	265.5	286.0	293.3	314.8	331.0	336.8
25°	353.5	349.8	335.2	313.2	284.4	281.2	304.8	304.8	335.7	353.5	351.9
27.5°	410.1	409.0	391.7	368.7	327.9	305.3	320.0	325.8	359.3	373.9	367.1
30°	467.7	468.7	453.0	425.3	382.3	344.1	341.5	346.2	377.1	400.1	386.0
32.5°	534.7	525.3	514.3	476.1	436.8	393.8	369.2	367.1	397.0	417.9	399.1
35°	594.4	588.7	576.6	542.1	497.0	445.7	411.1	405.9	422.1	449.9	429.5
37.5°	646.8	641.0	625.3	602.3	567.2	510.1	461.4	453.5	460.4	489.7	465.1
40°	691.8	693.4	689.2	666.7	634.2	582.4	526.3	513.8	508.0	534.2	506.4
42.5°	724.3	739.5	740.5	712.8	686.6	658.3	595.5	585.5	571.9	593.9	574.5
45°	792.4	784.0	789.3	779.3	750.5	746.3	675.1	669.3	650.5	657.8	637.4
47.5°	845.8	844.2	854.2	838.0	830.1	830.6	765.7	755.7	729.0	742.6	719.6
50°	876.7	868.3	904.5	917.0	915.5	921.8	857.3	849.0	823.3	843.2	794.0
52.5°	884.0	899.2	933.3	978.8	998.2	1011.3	957.4	954.2	926.5	939.0	871.0
55°	902.4	917.0	936.9	1011.8	1083.6	1086.7	1055.8	1059.0	1034.4	1031.2	944.3
57.5°	901.9	898.7	953.7	1040.6	1140.1	1185.2	1168.4	1153.2	1126.5	1095.6	991.4
60°	868.9	867.3	924.4	1044.3	1171.0	1274.2	1281.0	1263.2	1196.2	1150.6	1046.9
62.5°	803.4	809.7	867.3	1012.9	1200.4	1306.2	1331.3	1319.3	1236.0	1187.3	1112.4
65°	728.5	715.4	782.4	934.3	1134.4	1296.7	1351.2	1347.0	1283.1	1227.1	1172.6
67.5°	584.5	590.2	641.6	803.9	1021.8	1262.2	1397.8	1404.1	1320.8	1262.2	1190.9
70°	370.3	380.7	434.2	580.8	834.3	1153.2	1439.7	1458.0	1350.7	1259.0	1137.5
72.5°	107.9	112.1	184.9	289.6	531.6	924.9	1372.7	1382.1	1292.6	1142.8	879.9
75°	35.6	37.7	54.5	94.3	208.4	478.2	1013.9	1058.4	1028.6	828.5	503.3
77.5°	23.6	24.6	29.9	45.0	79.1	149.8	543.6	591.3	579.8	388.1	162.4
80°	17.3	17.8	22.0	30.4	48.2	53.9	200.6	232.0	224.2	89.0	32.5
82.5°	11.0	11.0	16.2	21.5	30.4	26.7	58.1	64.4	62.8	34.0	12.6
85°	7.3	7.9	12.0	16.8	16.8	12.6	16.8	19.4	20.9	18.3	5.8
87.5°	2.1	2.6	6.8	11.5	6.8	6.3	5.8	6.3	7.3	10.0	3.1
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°	253.0	253.0	253.0	253.0	253.0	253.0	253.0	253.0	253.0	253.0	253.0
2.5°	253.0	255.1	254.5	255.6	254.0	252.4	254.0	254.0	254.0	252.4	251.4
5°	255.1	254.0	255.1	253.0	255.1	253.0	251.9	248.8	248.2	248.2	250.3
7.5°	258.2	259.2	254.5	254.5	249.8	250.9	248.2	248.8	247.7	246.2	245.1
10°	262.9	267.1	262.4	260.8	255.6	251.4	245.1	242.0	242.0	239.9	242.0
12.5°	276.0	274.4	271.8	266.6	260.3	251.9	236.7	221.5	209.0	199.5	204.3
15°	286.5	286.0	282.3	272.3	264.0	238.3	200.1	160.8	139.8	130.4	128.8
17.5°	302.7	301.1	294.9	281.8	254.0	197.4	137.2	104.2	83.8	79.1	77.5
20°	317.9	317.4	303.8	287.0	228.9	144.0	89.6	68.6	62.8	63.4	62.3
22.5°	334.1	331.5	315.3	280.7	182.3	95.8	63.9	61.3	59.2	58.7	59.7
25°	352.5	343.0	326.8	266.6	134.1	66.0	60.2	58.1	56.0	55.5	55.5
27.5°	359.8	353.5	332.0	232.5	84.8	57.6	56.6	53.9	51.3	49.8	49.2
30°	376.6	366.1	337.3	182.8	60.2	52.9	51.3	48.2	44.5	41.9	41.9
32.5°	393.3	380.7	337.8	127.8	50.3	47.7	45.0	40.9	36.1	33.5	34.0
35°	414.3	397.0	332.0	82.7	45.0	41.9	36.7	31.9	27.8	25.7	25.7
37.5°	449.9	433.6	308.5	54.5	40.9	35.6	30.4	25.1	21.5	19.9	19.9
40°	494.9	474.0	276.0	42.9	36.1	30.4	24.1	19.4	17.3	15.7	15.7
42.5°	548.9	522.7	227.8	38.2	31.9	25.1	18.9	15.2	13.1	13.1	12.6
45°	602.8	559.9	178.6	35.1	28.3	20.9	14.7	12.0	11.0	10.5	10.5
47.5°	679.8	604.9	127.8	31.9	24.6	16.2	12.0	10.0	8.9	8.4	8.9
50°	753.6	647.3	90.6	28.8	20.4	13.1	10.0	8.9	7.9	7.3	7.3
52.5°	818.6	676.7	63.4	25.1	17.3	11.0	8.9	7.9	7.3	6.8	6.8
55°	854.2	666.7	43.5	21.5	14.1	9.4	7.9	6.8	6.3	5.8	5.8
57.5°	890.9	638.9	33.0	17.8	11.5	8.9	7.3	6.3	5.8	5.2	5.2
60°	921.8	618.5	25.7	14.1	9.4	7.3	6.3	5.2	4.7	4.2	3.7
62.5°	923.3	577.7	18.9	10.5	7.3	6.3	5.2	4.2	2.6	2.1	1.6
65°	929.6	534.7	13.6	7.9	5.2	4.7	3.7	2.1	1.0	0.0	0.0
67.5°	907.6	483.9	11.0	5.8	3.7	2.6	1.6	0.5	0.0	0.0	0.0
70°	818.1	408.5	8.4	4.2	2.6	1.6	0.5	0.0	0.0	0.0	0.0
72.5°	585.5	265.5	5.8	3.1	1.0	0.5	0.0	0.0	0.0	0.0	0.0
75°	312.1	113.1	4.2	2.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	97.9	28.8	2.6	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
80°	21.5	7.9	1.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	7.3	3.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.6	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)