

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: P674956

Luminaire Tested: **CCW-SA-1A-730-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P674956
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1A-730-U-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
T3 distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

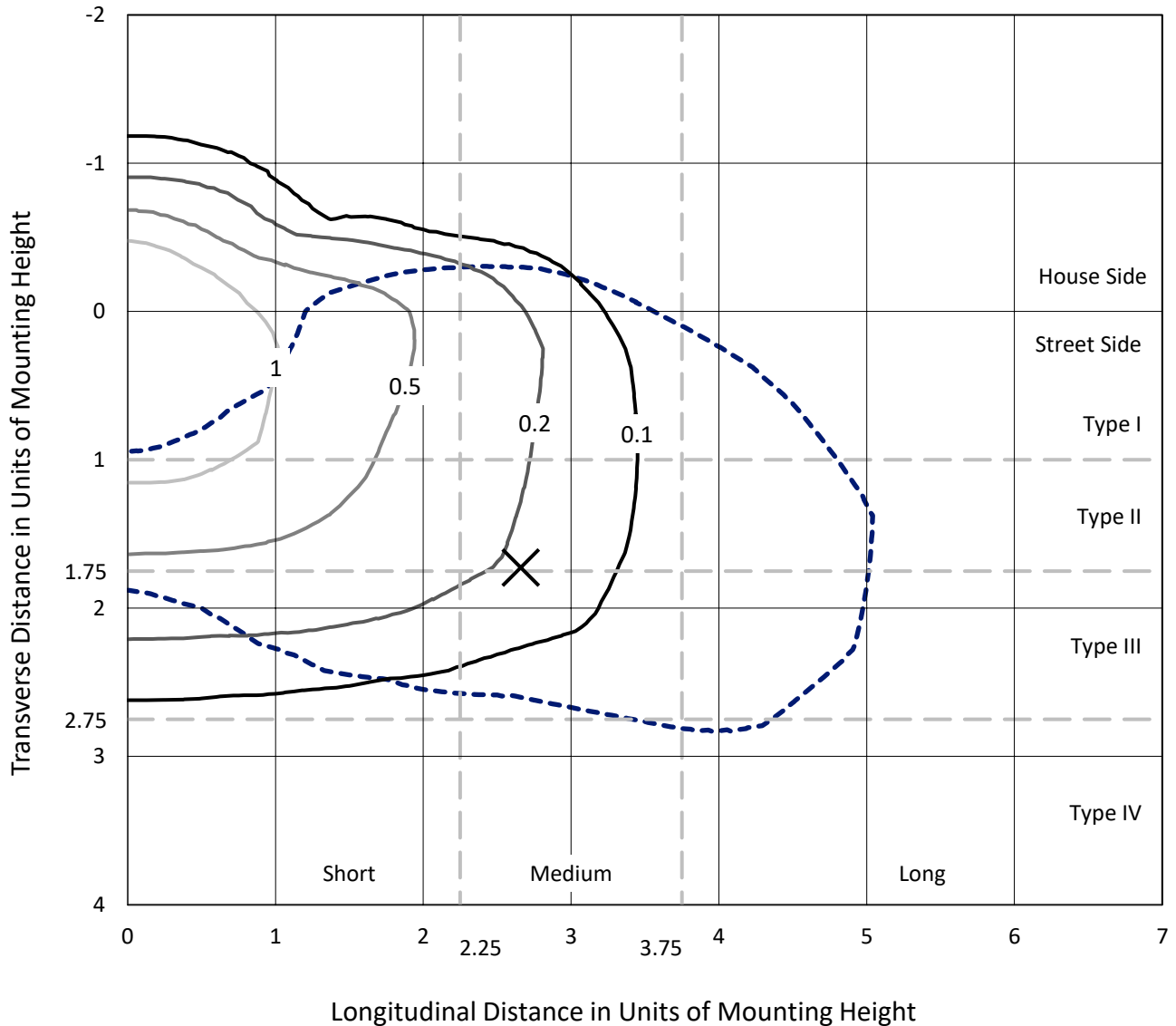
Lumens per Lamp: N/A
Luminaire Lumens: 2517.1 lumens
Efficiency: N/A
Efficacy: 139.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

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

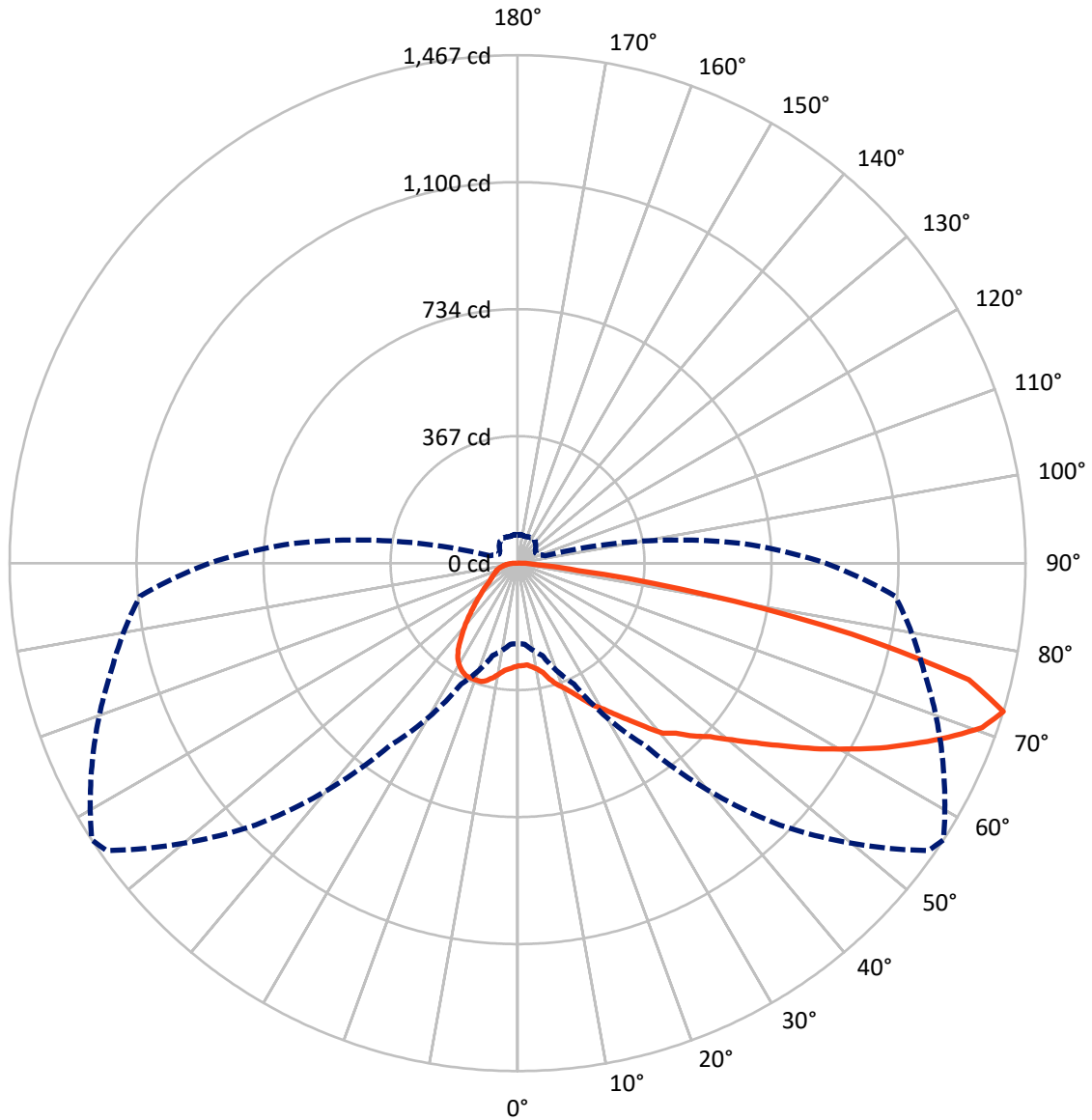
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	587.8	0.0	587.8
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	1929.3	0.0	1929.3
	% Fixture	76.6	0.0	76.6
Total	Lumens	2517.1	0.0	2517.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.5	1.2
10°-20°	99.4	3.9
20°-30°	181.7	7.2
30°-40°	266.6	10.6
40°-50°	367.0	14.6
50°-60°	503.3	20.0
60°-70°	606.7	24.1
70°-80°	404.1	16.1
80°-90°	58.9	2.3
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°	2517.1	100.0
0°-180°	2517.1	100.0



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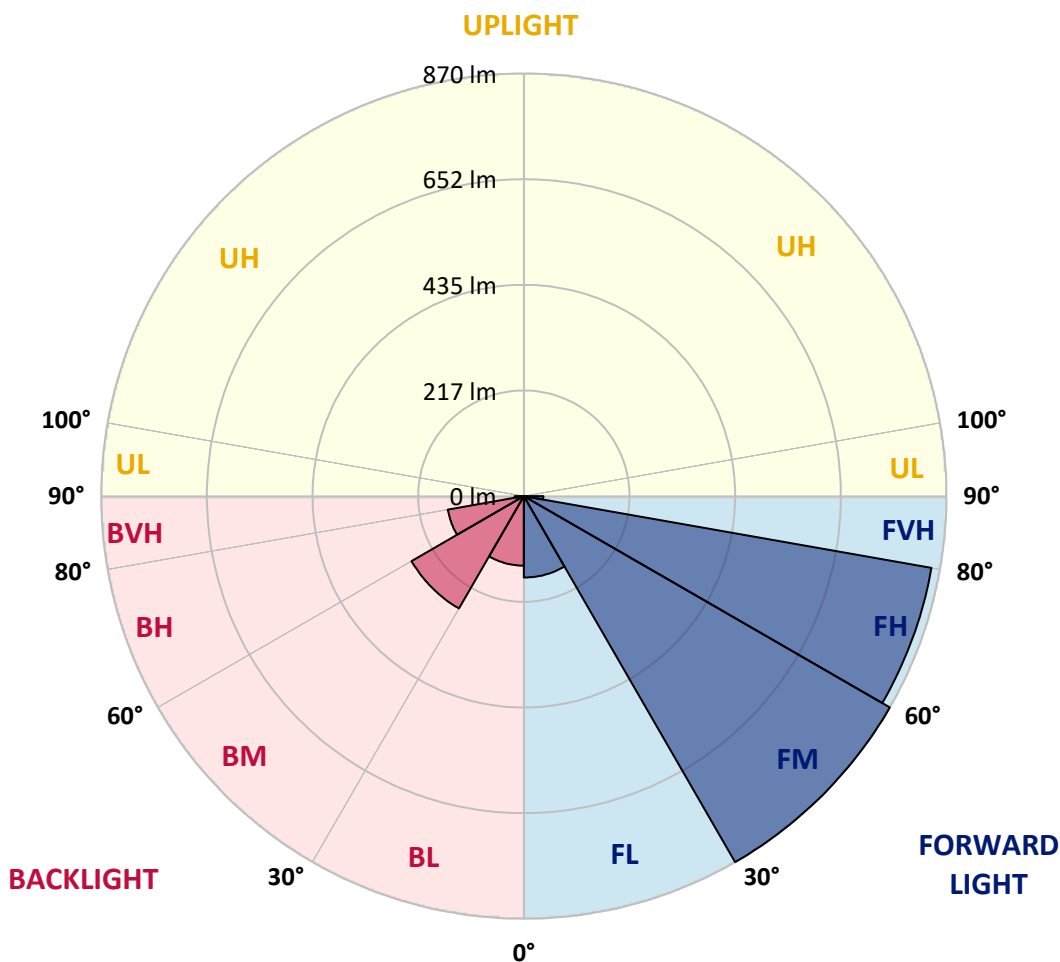
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	167.5	6.7			
FM (30°-60°)	869.9	34.6			
FH (60°-80°)	851.9	33.8			G1/1800
FVH (80°-90°)	40.1	1.6			G1/100
BL (0°-30°)	143.1	5.7	B1/500		
BM (30°-60°)	267.0	10.6	B1/1000		
BH (60°-80°)	158.9	6.3	B1/500		G1/500
BVH (80°-90°)	18.8	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	297.1	297.1	297.1	297.1	297.1	297.1	297.1	297.1	297.1	297.1	297.1
2.5°	291.6	292.5	294.3	293.4	293.4	290.7	295.3	296.2	294.3	295.3	297.1
5°	291.6	293.4	296.2	294.3	295.3	294.3	292.5	295.3	295.3	296.2	298.9
7.5°	307.2	306.3	306.3	303.5	302.6	301.7	302.6	302.6	300.8	301.7	301.7
10°	324.6	324.6	322.8	322.8	320.9	316.4	311.8	310.9	308.1	309.0	309.0
12.5°	342.9	344.8	346.6	341.1	339.3	331.9	329.2	323.7	323.7	321.9	320.9
15°	365.9	363.1	365.0	363.1	358.5	351.2	346.6	347.5	341.1	339.3	336.5
17.5°	386.0	387.0	384.2	382.4	374.1	368.6	369.5	368.6	360.4	357.6	353.0
20°	409.9	409.0	409.0	403.5	396.1	388.8	386.0	385.1	387.0	381.5	370.5
22.5°	434.6	431.0	431.0	426.4	416.3	411.7	409.9	406.2	408.1	403.5	387.0
25°	454.8	454.8	461.2	452.1	446.6	437.4	433.7	434.6	435.6	426.4	407.1
27.5°	481.4	476.8	483.2	478.7	475.9	465.8	461.2	464.0	462.2	452.1	425.5
30°	515.3	516.3	512.6	506.2	502.5	495.2	492.4	489.7	492.4	479.6	445.6
32.5°	557.5	560.3	551.1	543.8	537.3	530.0	524.5	521.8	524.5	505.3	461.2
35°	606.1	608.9	601.5	593.3	585.9	567.6	563.0	558.4	548.3	517.2	475.9
37.5°	651.0	647.4	645.5	645.5	631.8	605.2	602.4	599.7	580.4	541.0	496.1
40°	681.3	685.9	684.1	682.2	680.4	655.6	650.1	645.5	613.5	576.8	524.5
42.5°	715.2	712.5	719.8	722.6	716.2	708.8	686.8	671.2	642.8	613.5	566.7
45°	755.6	753.7	756.5	766.6	757.4	760.2	723.5	712.5	676.7	659.3	619.9
47.5°	791.3	795.9	809.7	812.4	805.1	817.9	766.6	749.2	726.2	712.5	674.9
50°	806.9	812.4	843.6	862.9	863.8	884.0	809.7	802.3	771.2	776.7	743.7
52.5°	794.1	811.5	849.1	899.5	930.7	950.9	866.5	862.9	834.4	851.9	818.9
55°	806.0	822.5	847.3	917.9	996.7	1001.3	945.4	931.6	903.2	927.1	896.8
57.5°	811.5	802.3	849.1	938.1	1045.3	1057.3	1020.6	1010.5	988.5	1011.4	994.0
60°	768.4	779.4	823.4	932.6	1048.1	1116.9	1104.9	1090.3	1070.1	1091.2	1081.1
62.5°	719.8	727.2	774.8	899.5	1063.7	1160.0	1186.6	1175.6	1147.1	1165.5	1182.9
65°	658.4	659.3	712.5	840.9	1033.4	1184.7	1258.1	1257.2	1237.0	1232.4	1259.9
67.5°	583.2	590.5	632.7	778.5	992.2	1212.2	1328.7	1342.4	1302.1	1266.3	1276.4
70°	447.5	454.8	495.2	638.2	907.8	1204.0	1415.8	1423.1	1344.3	1253.5	1227.8
72.5°	232.9	234.7	276.0	385.1	643.7	1069.2	1447.9	1467.2	1355.3	1215.9	1094.9
75°	77.0	77.0	94.4	146.7	303.5	684.1	1311.3	1346.1	1301.2	1122.4	895.9
77.5°	45.8	46.8	55.9	73.4	121.0	273.3	924.3	985.7	1064.6	954.6	654.7
80°	33.0	33.9	42.2	50.4	72.4	88.0	464.0	549.3	653.8	614.4	349.4
82.5°	24.8	24.8	33.0	37.6	49.5	52.3	129.3	177.0	282.4	220.1	96.3
85°	25.7	25.7	25.7	26.6	33.9	30.3	54.1	57.8	82.5	72.4	26.6
87.5°	9.2	10.1	25.7	17.4	17.4	12.8	21.1	22.9	29.3	30.3	10.1
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°	297.1	297.1	297.1	297.1	297.1	297.1	297.1	297.1	297.1	297.1	297.1
2.5°	298.0	298.0	298.9	298.9	300.8	302.6	305.4	303.5	303.5	304.4	303.5
5°	297.1	298.0	300.8	305.4	307.2	308.1	313.6	313.6	313.6	315.4	315.4
7.5°	300.8	302.6	307.2	311.8	312.7	315.4	322.8	324.6	329.2	331.0	331.9
10°	309.9	312.7	316.4	321.9	325.5	329.2	334.7	341.1	340.2	345.7	346.6
12.5°	323.7	322.8	329.2	334.7	338.4	343.9	345.7	345.7	345.7	345.7	347.5
15°	334.7	336.5	342.0	345.7	350.3	349.4	345.7	342.0	342.9	342.0	342.0
17.5°	351.2	351.2	355.8	356.7	358.5	349.4	343.9	343.9	346.6	346.6	344.8
20°	367.7	366.8	368.6	367.7	355.8	344.8	343.9	344.8	345.7	344.8	343.9
22.5°	383.3	381.5	378.7	375.0	354.0	343.9	342.0	337.4	332.9	332.9	330.1
25°	397.0	395.2	387.9	376.9	353.0	338.4	329.2	318.2	312.7	309.9	313.6
27.5°	409.9	406.2	396.1	376.9	344.8	323.7	306.3	292.5	287.9	284.3	287.9
30°	427.3	420.9	407.1	374.1	331.9	300.8	276.9	260.4	255.8	250.3	252.2
32.5°	442.9	428.2	416.3	365.9	315.4	275.1	247.6	231.1	222.8	218.2	221.9
35°	459.4	444.7	420.0	353.0	289.8	243.9	216.4	200.8	194.4	188.0	188.0
37.5°	475.9	467.7	425.5	329.2	258.6	214.6	189.8	177.9	166.9	155.0	155.0
40°	510.8	499.7	431.9	301.7	227.4	186.1	168.7	153.1	142.1	125.6	124.7
42.5°	547.4	523.6	431.9	268.7	199.9	166.0	149.5	133.0	112.8	102.7	103.6
45°	594.2	566.7	420.0	239.3	172.4	149.5	131.1	110.0	100.9	94.4	94.4
47.5°	652.9	609.8	405.3	207.2	150.4	134.8	111.9	99.0	92.6	87.1	86.2
50°	722.6	649.2	387.0	179.7	132.0	121.0	101.8	91.7	86.2	82.5	82.5
52.5°	795.9	707.0	374.1	155.0	117.4	102.7	94.4	88.0	83.4	80.7	79.8
55°	870.2	764.8	365.0	128.4	103.6	94.4	92.6	87.1	85.3	82.5	80.7
57.5°	953.6	812.4	363.1	110.0	92.6	90.8	94.4	89.9	87.1	84.4	81.6
60°	1043.5	876.6	346.6	95.4	87.1	88.9	91.7	87.1	85.3	82.5	80.7
62.5°	1132.5	924.3	301.7	84.4	81.6	83.4	87.1	83.4	80.7	81.6	82.5
65°	1169.1	928.0	233.8	76.1	75.2	76.1	81.6	80.7	77.9	83.4	83.4
67.5°	1132.5	895.0	165.1	68.8	68.8	73.4	82.5	84.4	81.6	88.9	88.0
70°	1049.0	813.4	111.9	64.2	66.0	77.9	85.3	83.4	79.8	88.9	87.1
72.5°	890.4	651.0	81.6	59.6	62.4	74.3	84.4	82.5	79.8	83.4	79.8
75°	668.5	463.1	64.2	54.1	55.0	66.9	87.1	82.5	75.2	73.4	70.6
77.5°	446.6	286.1	49.5	47.7	47.7	58.7	83.4	77.0	67.9	65.1	64.2
80°	212.7	114.6	39.4	40.3	41.3	50.4	76.1	68.8	61.4	57.8	57.8
82.5°	67.9	43.1	33.0	33.0	33.0	41.3	63.3	57.8	53.2	50.4	45.8
85°	23.8	23.8	28.4	29.3	26.6	30.3	52.3	49.5	44.0	36.7	35.8
87.5°	9.2	13.8	19.3	22.9	16.5	21.1	37.6	34.8	32.1	23.8	22.9
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)