

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: P675532

Luminaire Tested: **CCW-SA-1A-730-U-SL3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675532
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-SL3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
SL3 distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

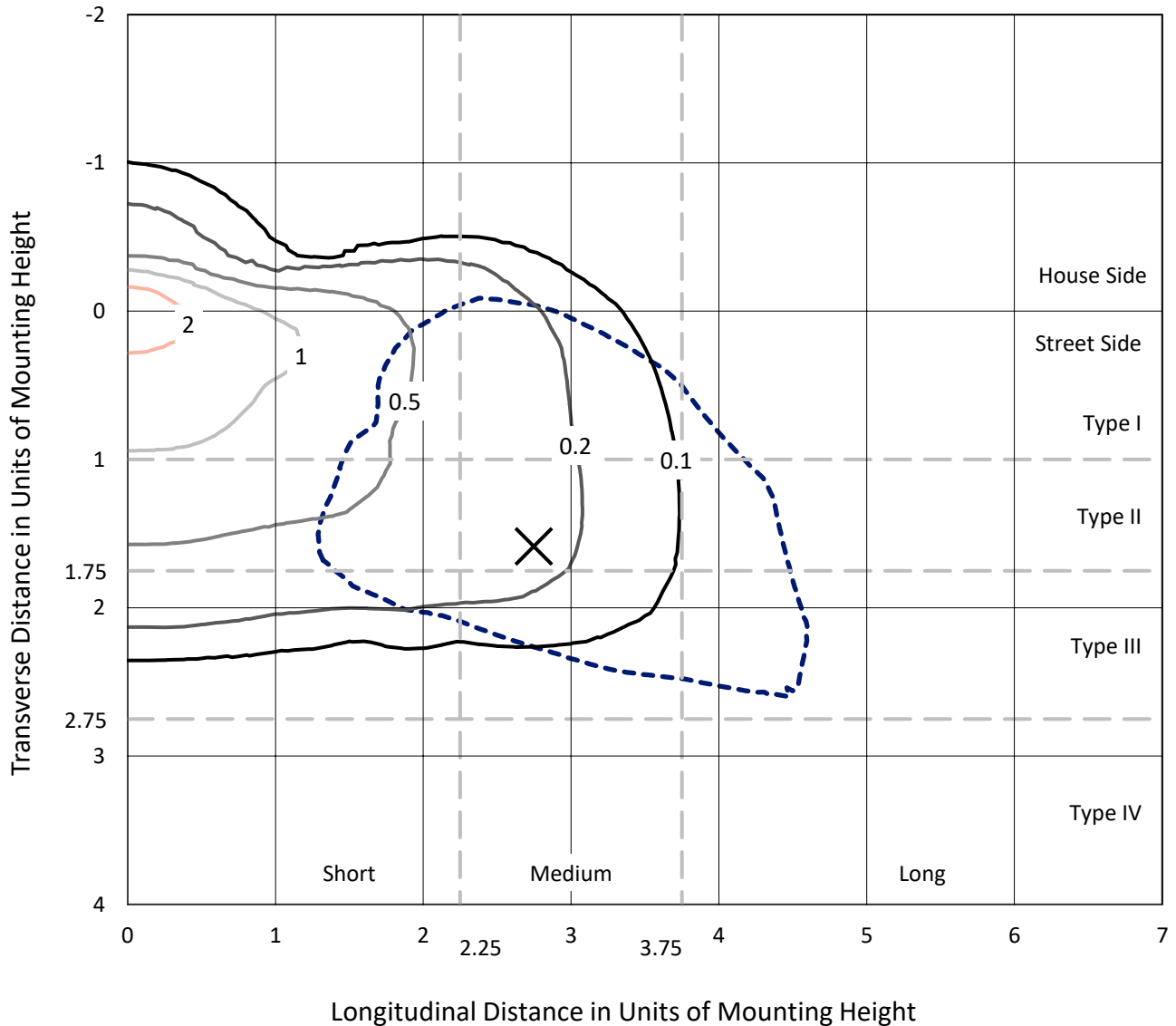
Lumens per Lamp: N/A
Luminaire Lumens: 2463.2 lumens
Efficiency: N/A
Efficacy: 136.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

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

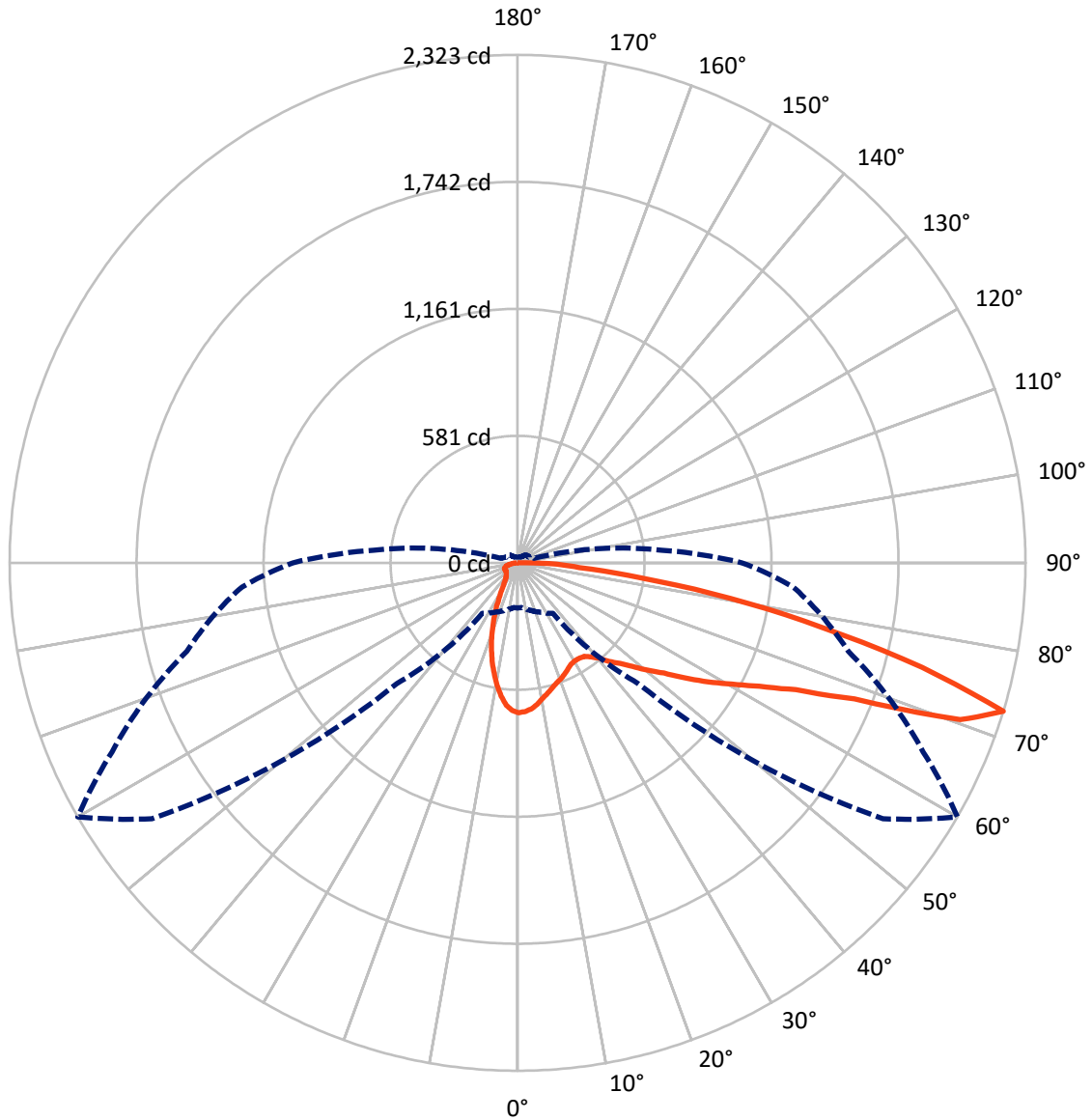
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	423.1	0.0	423.1
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	2040.0	0.0	2040.0
	% Fixture	82.8	0.0	82.8
Total	Lumens	2463.2	0.0	2463.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.4	2.4
10°-20°	134.8	5.5
20°-30°	172.5	7.0
30°-40°	220.7	9.0
40°-50°	302.7	12.3
50°-60°	437.8	17.8
60°-70°	600.6	24.4
70°-80°	450.7	18.3
80°-90°	83.8	3.4
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°	2463.2	100.0
0°-180°	2463.2	100.0

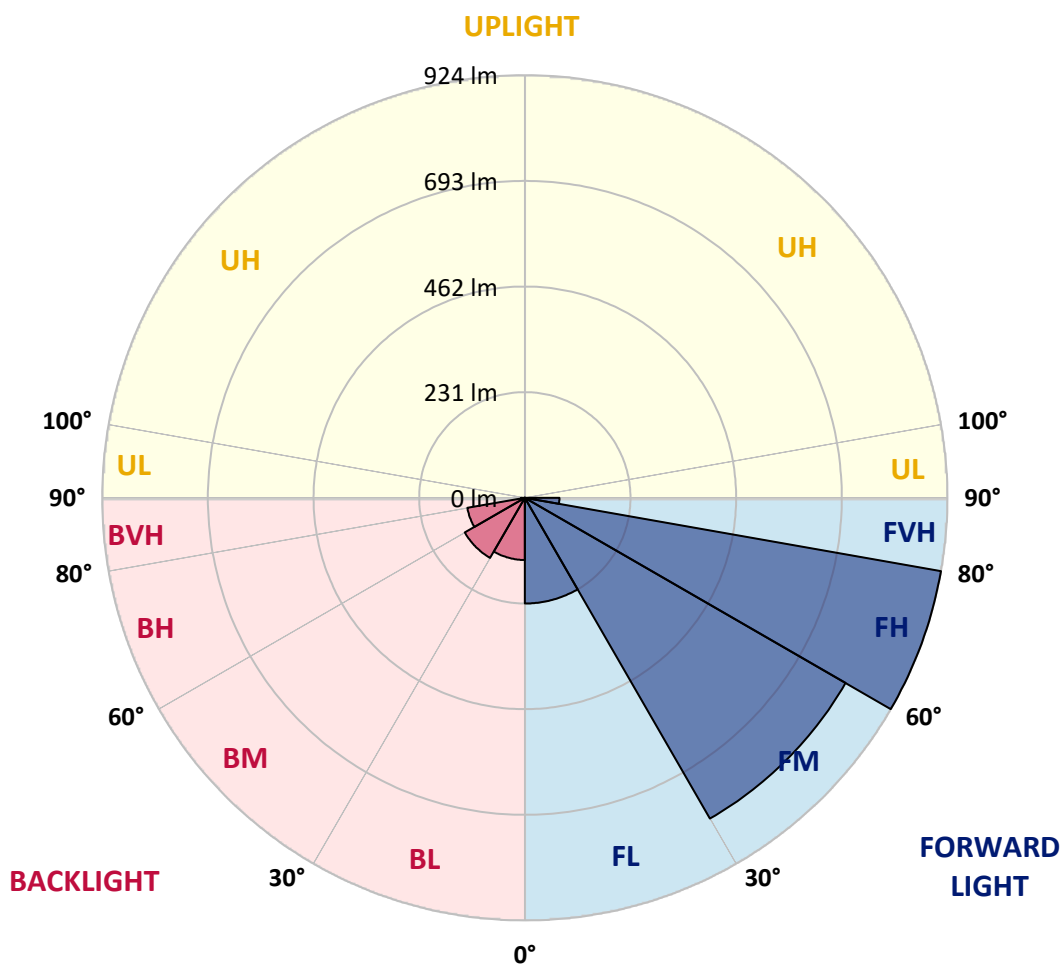


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	231.0	9.4			
FM (30°-60°)	809.6	32.9			
FH (60°-80°)	923.8	37.5			G1/1800
FVH (80°-90°)	75.6	3.1			G1/100
BL (0°-30°)	135.8	5.5	B1/500		
BM (30°-60°)	151.6	6.2	B0/220		
BH (60°-80°)	127.5	5.2	B1/500		G1/500
BVH (80°-90°)	8.2	0.3			G0/10
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°	60°	65°	75°	85°
0°	685.9	685.9	685.9	685.9	685.9	685.9	685.9	685.9	685.9	685.9	685.9
2.5°	671.2	677.6	679.5	679.5	685.0	678.5	687.7	680.4	682.2	685.0	683.1
5°	639.1	650.1	643.7	655.6	651.0	659.3	670.3	670.3	667.5	673.0	668.5
7.5°	607.9	604.3	615.3	615.3	622.6	633.6	642.8	651.9	652.9	654.7	653.8
10°	565.8	570.3	575.8	583.2	592.3	603.3	622.6	629.9	631.8	642.8	640.0
12.5°	530.9	537.3	541.0	555.7	563.9	579.5	601.5	611.6	612.5	628.1	628.1
15°	505.2	508.9	517.2	522.7	541.0	563.0	584.1	593.3	603.3	619.9	615.3
17.5°	487.8	492.4	496.1	503.4	520.8	539.2	572.2	577.7	589.6	613.4	607.9
20°	477.7	478.6	484.1	488.7	504.3	521.7	551.1	565.8	581.3	602.4	596.9
22.5°	479.6	475.9	475.0	481.4	484.1	500.7	536.4	552.0	574.0	598.8	589.6
25°	483.2	484.1	482.3	476.8	477.7	492.4	516.2	536.4	561.2	597.8	579.5
27.5°	492.4	497.0	489.6	484.1	478.6	484.1	508.9	523.6	551.1	602.4	578.6
30°	501.6	506.2	504.3	496.1	485.1	483.2	500.7	519.0	545.6	606.1	578.6
32.5°	515.3	521.7	515.3	518.1	505.2	497.0	503.4	519.9	551.1	618.9	579.5
35°	530.9	536.4	538.2	531.8	529.1	513.5	517.2	525.4	556.6	633.6	588.7
37.5°	548.3	554.8	560.3	561.2	552.0	542.8	541.0	545.6	570.3	659.3	598.8
40°	560.3	563.9	574.9	584.1	586.8	574.0	573.1	573.1	595.1	682.2	617.1
42.5°	580.4	578.6	594.2	610.7	615.3	607.9	609.8	617.1	629.9	715.2	646.4
45°	590.5	588.7	607.0	634.5	655.6	651.9	653.8	656.5	668.5	767.5	696.0
47.5°	604.3	606.1	632.7	663.9	685.9	698.7	708.8	707.9	717.0	820.7	751.0
50°	618.0	621.7	653.8	686.8	725.3	747.3	762.0	772.1	781.2	876.6	814.2
52.5°	644.6	648.3	684.0	719.8	769.3	801.4	838.1	837.2	838.1	932.5	877.5
55°	683.1	684.0	705.1	746.4	813.3	872.0	922.4	927.9	912.4	1002.2	950.0
57.5°	727.1	730.8	749.1	780.3	848.2	939.9	1016.9	1027.9	985.7	1059.1	1016.0
60°	768.4	771.1	799.6	835.3	908.7	1025.1	1112.3	1125.1	1079.2	1128.8	1084.7
62.5°	721.6	735.4	785.8	867.4	1015.1	1154.4	1233.3	1241.5	1170.0	1199.4	1158.1
65°	577.7	586.8	659.3	791.3	1022.4	1389.2	1420.3	1398.3	1294.7	1290.1	1269.1
67.5°	321.8	329.2	378.7	517.2	861.0	1477.2	1822.9	1661.5	1488.2	1426.8	1419.4
70°	254.0	255.8	262.2	290.7	477.7	1302.1	2140.1	2147.5	1804.5	1614.7	1451.5
72.5°	206.3	205.4	224.7	249.4	282.4	781.2	2040.2	2322.6	2046.6	1565.2	1264.5
75°	157.7	160.5	185.2	221.0	258.6	367.7	1522.1	1910.9	1917.3	1458.9	1066.4
77.5°	120.1	121.0	148.5	195.3	253.1	259.5	993.0	1424.0	1430.4	1129.7	587.8
80°	89.9	89.9	112.8	165.0	246.7	239.3	611.6	987.5	894.0	397.0	128.4
82.5°	51.3	55.0	75.2	125.6	223.7	230.2	344.8	565.8	377.8	108.2	59.6
85°	27.5	28.4	45.8	84.4	184.3	220.1	263.2	281.5	150.4	57.8	27.5
87.5°	10.1	10.1	21.1	43.1	116.5	163.2	209.1	179.7	86.2	26.6	13.8
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°	685.9	685.9	685.9	685.9	685.9	685.9	685.9	685.9	685.9	685.9	685.9
2.5°	685.0	681.3	678.5	681.3	671.2	666.6	672.1	669.4	663.9	661.1	659.3
5°	671.2	666.6	662.0	659.3	648.3	637.3	631.8	620.8	611.6	614.4	608.9
7.5°	656.5	651.9	638.2	625.4	603.3	581.3	571.3	555.7	550.2	545.6	542.8
10°	638.2	629.9	608.9	583.2	551.1	526.3	500.7	482.3	463.1	454.8	457.6
12.5°	615.3	610.7	577.7	538.2	493.3	452.1	421.8	392.5	366.8	353.0	349.4
15°	605.2	591.4	543.7	491.5	434.6	383.3	338.4	287.0	256.7	242.1	242.1
17.5°	594.2	568.5	511.7	440.1	375.0	309.0	245.7	199.0	175.1	166.9	166.9
20°	576.8	548.3	474.1	391.5	312.7	232.9	176.1	150.4	143.0	137.5	138.5
22.5°	563.9	529.1	439.2	343.9	247.6	173.3	138.5	130.2	127.5	125.6	126.5
25°	549.2	506.2	402.5	292.5	194.4	136.6	120.1	116.5	118.3	119.2	119.2
27.5°	537.3	486.9	364.9	237.5	146.7	115.5	108.2	107.3	111.0	112.8	113.7
30°	529.1	469.5	328.3	187.1	117.4	102.7	99.0	99.0	103.6	105.4	106.4
32.5°	520.8	454.8	288.8	143.0	99.9	91.7	90.8	91.7	94.4	94.4	95.4
35°	523.6	441.0	251.2	115.5	89.9	84.4	84.4	84.4	85.3	86.2	86.2
37.5°	529.1	437.4	210.9	97.2	82.5	78.9	78.9	77.9	78.9	77.9	78.9
40°	534.6	431.9	174.2	86.2	77.9	75.2	74.3	72.4	71.5	71.5	72.4
42.5°	557.5	439.2	143.0	78.9	74.3	72.4	69.7	67.9	66.9	66.9	66.9
45°	586.8	453.0	118.3	75.2	71.5	66.9	65.1	64.2	62.4	63.3	64.2
47.5°	630.9	474.1	103.6	72.4	68.8	63.3	61.4	59.6	59.6	61.4	61.4
50°	688.6	508.9	94.4	69.7	66.0	60.5	57.8	56.9	56.9	59.6	59.6
52.5°	751.0	549.2	90.8	68.8	63.3	57.8	55.0	54.1	54.1	57.8	57.8
55°	813.3	598.8	93.5	68.8	61.4	55.0	52.3	50.4	51.3	54.1	54.1
57.5°	882.1	651.9	107.3	68.8	59.6	54.1	50.4	47.7	48.6	49.5	49.5
60°	957.3	721.6	131.1	68.8	58.7	52.3	47.7	44.0	44.0	44.9	44.9
62.5°	1033.4	790.4	165.0	69.7	59.6	51.3	44.0	40.3	39.4	40.3	40.3
65°	1133.3	900.4	199.0	69.7	62.4	49.5	41.3	36.7	35.8	35.8	36.7
67.5°	1273.6	979.3	154.0	66.9	64.2	49.5	38.5	33.9	32.1	32.1	32.1
70°	1199.4	826.2	98.1	62.4	61.4	51.3	36.7	31.2	29.3	28.4	28.4
72.5°	1027.0	661.1	78.9	58.7	56.9	50.4	34.8	29.3	26.6	25.7	25.7
75°	823.4	521.7	68.8	53.2	49.5	42.2	32.1	26.6	24.8	22.9	22.9
77.5°	403.5	218.2	52.3	46.8	42.2	32.1	28.4	24.8	22.0	20.2	20.2
80°	100.9	76.1	38.5	36.7	31.2	24.8	22.9	21.1	19.3	17.4	17.4
82.5°	54.1	44.9	27.5	24.8	21.1	17.4	17.4	16.5	15.6	13.8	12.8
85°	27.5	26.6	18.3	16.5	13.8	11.0	11.9	11.9	11.0	8.3	8.3
87.5°	14.7	14.7	9.2	7.3	6.4	5.5	5.5	5.5	4.6	3.7	3.7
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)