

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: P675631

Luminaire Tested: **CCW-SA-1A-850-U-SL3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675631
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1A-850-U-SL3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
SL3 distribution lens
Light Source: (16) 5000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

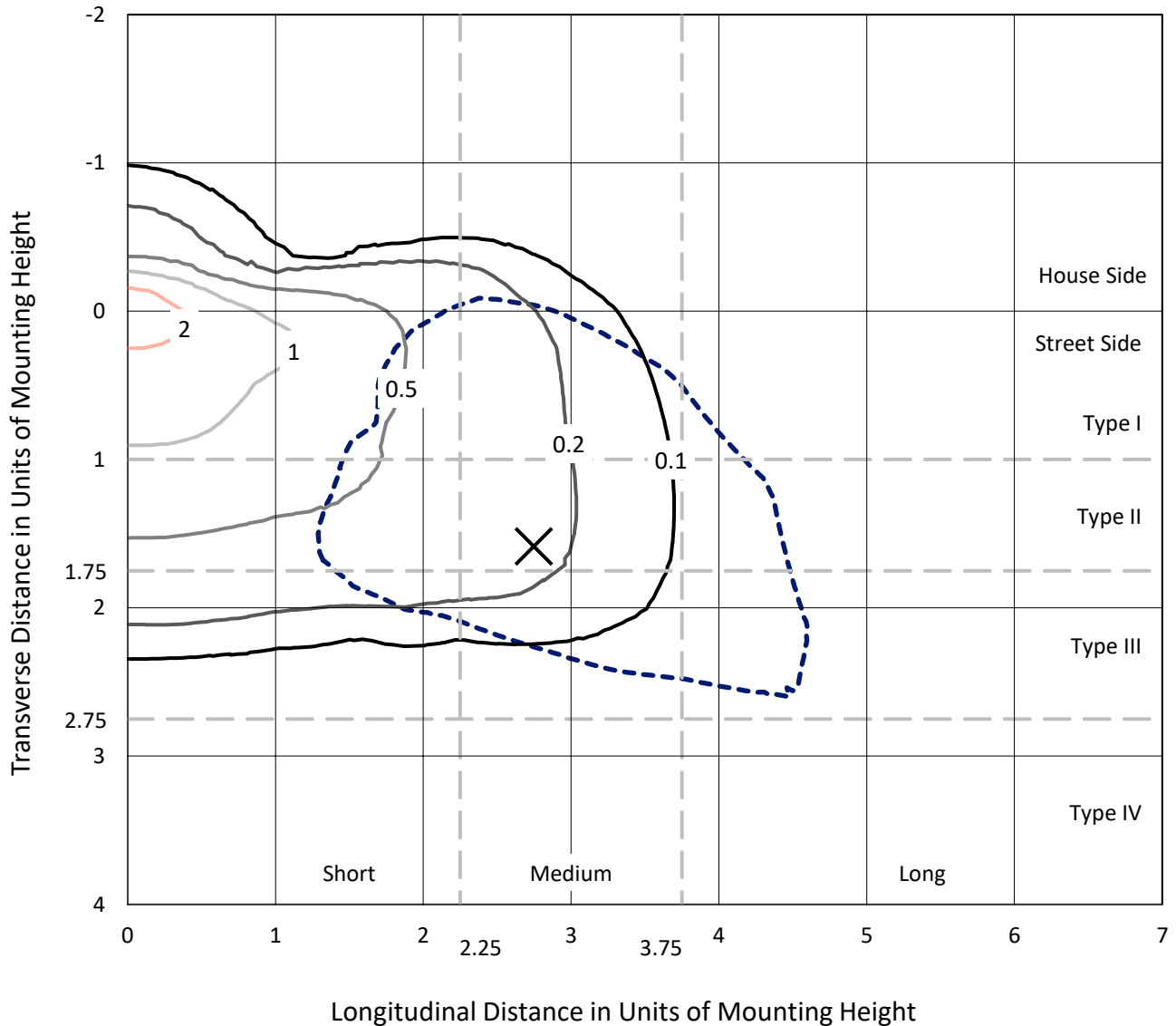
Lumens per Lamp: N/A
Luminaire Lumens: 2360.4 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 18
Input Voltage (V): 120
Input Current (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

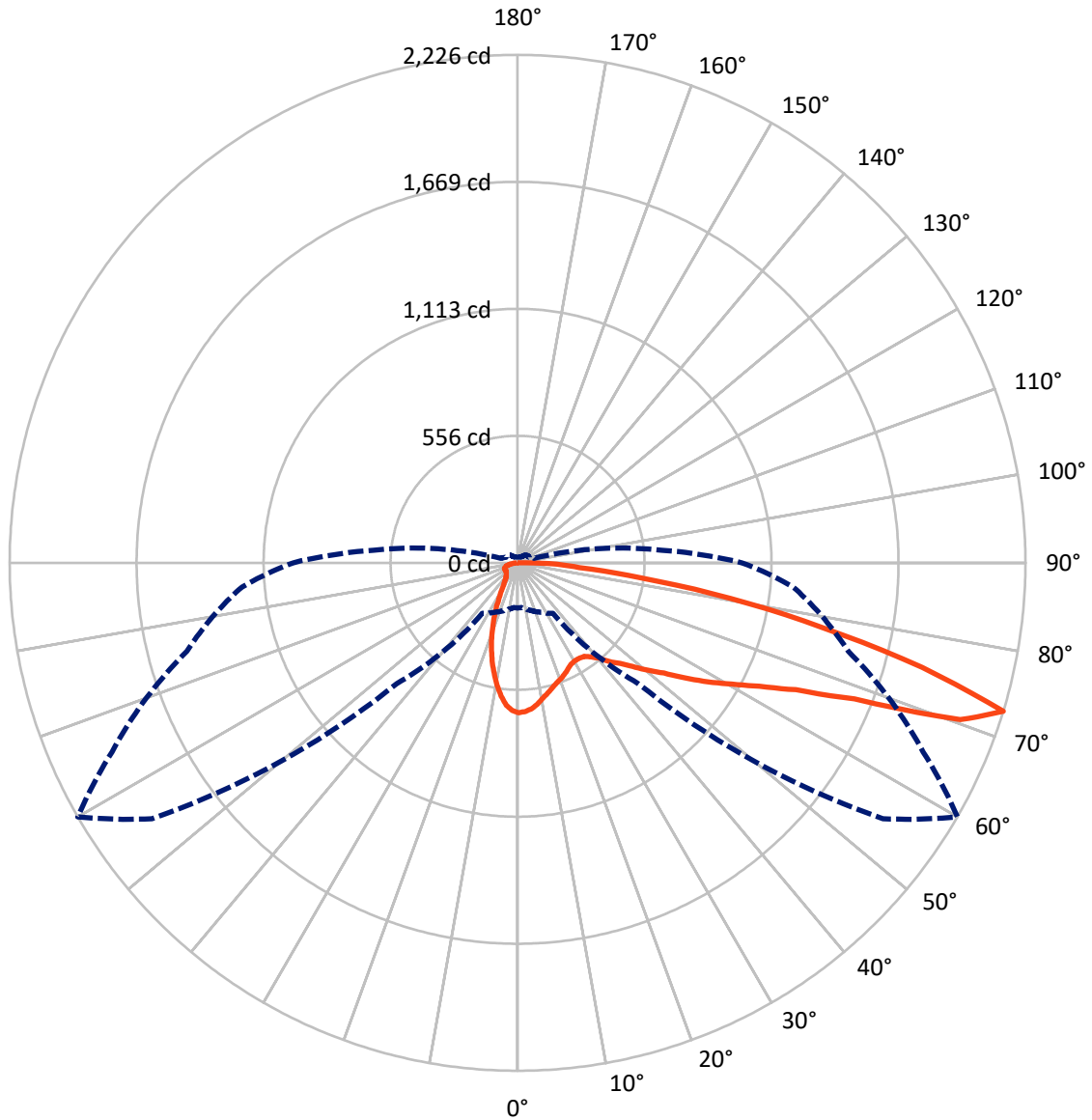
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.9 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	405.5	0.0	405.5
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	1954.9	0.0	1954.9
	% Fixture	82.8	0.0	82.8
Total	Lumens	2360.4	0.0	2360.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.0	2.4
10°-20°	129.2	5.5
20°-30°	165.3	7.0
30°-40°	211.5	9.0
40°-50°	290.1	12.3
50°-60°	419.6	17.8
60°-70°	575.6	24.4
70°-80°	431.9	18.3
80°-90°	80.3	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°	2360.4	100.0
0°-180°	2360.4	100.0

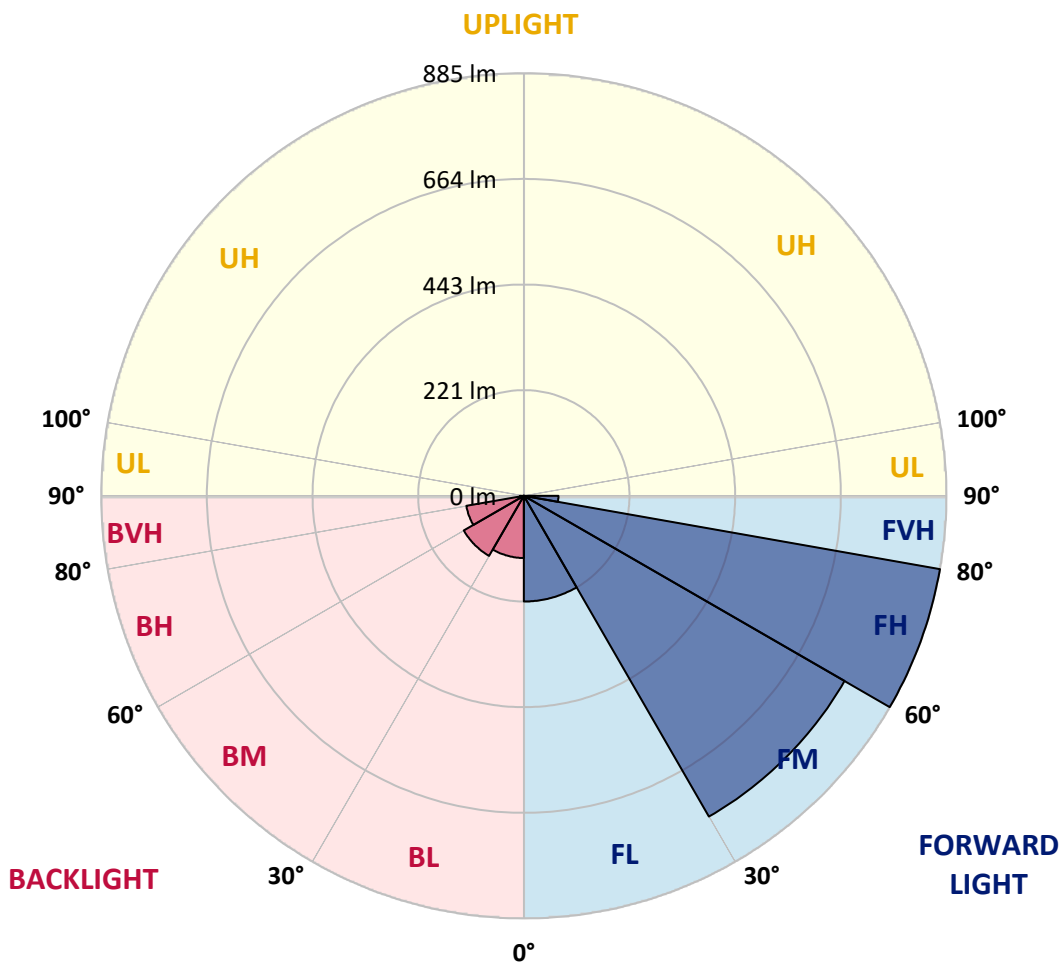


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	221.3	9.4			
FM (30°-60°)	775.8	32.9			
FH (60°-80°)	885.3	37.5			G1/1800
FVH (80°-90°)	72.5	3.1			G1/100
BL (0°-30°)	130.2	5.5	B1/500		
BM (30°-60°)	145.3	6.2	B0/220		
BH (60°-80°)	122.2	5.2	B1/500		G1/500
BVH (80°-90°)	7.8	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°	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3
2.5°	643.2	649.3	651.1	651.1	656.4	650.2	659.0	652.0	653.7	656.4	654.6
5°	612.4	623.0	616.8	628.3	623.9	631.8	642.3	642.3	639.7	645.0	640.6
7.5°	582.6	579.0	589.6	589.6	596.6	607.2	616.0	624.7	625.6	627.4	626.5
10°	542.1	546.5	551.8	558.8	567.6	578.2	596.6	603.7	605.4	616.0	613.3
12.5°	508.8	514.9	518.4	532.5	540.4	555.3	576.4	586.1	587.0	601.9	601.9
15°	484.2	487.7	495.6	500.8	518.4	539.5	559.7	568.5	578.2	594.0	589.6
17.5°	467.5	471.9	475.4	482.4	499.1	516.7	548.3	553.6	565.0	587.8	582.6
20°	457.8	458.7	463.9	468.3	483.3	500.0	528.1	542.1	557.1	577.3	572.0
22.5°	459.5	456.0	455.2	461.3	463.9	479.8	514.0	529.0	550.1	573.8	565.0
25°	463.1	463.9	462.2	456.9	457.8	471.9	494.7	514.0	537.8	572.9	555.3
27.5°	471.9	476.2	469.2	463.9	458.7	463.9	487.7	501.7	528.1	577.3	554.4
30°	480.6	485.0	483.3	475.4	464.8	463.1	479.8	497.3	522.8	580.8	554.4
32.5°	493.8	500.0	493.8	496.5	484.2	476.2	482.4	498.2	528.1	593.1	555.3
35°	508.8	514.0	515.8	509.6	507.0	492.1	495.6	503.5	533.4	607.2	564.1
37.5°	525.4	531.6	536.9	537.8	529.0	520.2	518.4	522.8	546.5	631.8	573.8
40°	536.9	540.4	550.9	559.7	562.4	550.1	549.2	549.2	570.3	653.7	591.4
42.5°	556.2	554.4	569.4	585.2	589.6	582.6	584.3	591.4	603.7	685.4	619.5
45°	565.9	564.1	581.7	608.0	628.3	624.7	626.5	629.1	640.6	735.5	666.9
47.5°	579.0	580.8	606.3	636.2	657.3	669.6	679.2	678.3	687.1	786.4	719.6
50°	592.2	595.7	626.5	658.1	695.0	716.1	730.2	739.8	748.6	840.0	780.3
52.5°	617.7	621.2	655.5	689.8	737.2	768.0	803.1	802.2	803.1	893.6	840.9
55°	654.6	655.5	675.7	715.2	779.4	835.6	884.0	889.2	874.3	960.4	910.3
57.5°	696.8	700.3	717.9	747.8	812.8	900.6	974.5	985.0	944.6	1014.9	973.6
60°	736.3	739.0	766.2	800.5	870.8	982.4	1065.8	1078.1	1034.2	1081.7	1039.5
62.5°	691.5	704.7	753.0	831.2	972.7	1106.3	1181.8	1189.7	1121.2	1149.3	1109.8
65°	553.6	562.4	631.8	758.3	979.7	1331.2	1361.1	1340.0	1240.7	1236.3	1216.1
67.5°	308.4	315.4	362.9	495.6	825.1	1415.6	1746.8	1592.2	1426.1	1367.2	1360.2
70°	243.4	245.2	251.3	278.5	457.8	1247.7	2050.8	2057.9	1729.2	1547.4	1390.9
72.5°	197.7	196.8	215.3	239.0	270.6	748.6	1955.1	2225.7	1961.2	1499.9	1211.7
75°	151.1	153.8	177.5	211.8	247.8	352.4	1458.6	1831.2	1837.3	1398.0	1021.9
77.5°	115.1	116.0	142.3	187.2	242.5	248.7	951.6	1364.6	1370.7	1082.5	563.2
80°	86.1	86.1	108.1	158.2	236.4	229.3	586.1	946.3	856.7	380.5	123.0
82.5°	49.2	52.7	72.1	120.4	214.4	220.5	330.4	542.1	362.0	103.7	57.1
85°	26.4	27.2	43.9	80.8	176.6	210.9	252.2	269.8	144.1	55.4	26.4
87.5°	9.7	9.7	20.2	41.3	111.6	156.4	200.3	172.2	82.6	25.5	13.2
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°	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3
2.5°	656.4	652.9	650.2	652.9	643.2	638.8	644.1	641.4	636.2	633.5	631.8
5°	643.2	638.8	634.4	631.8	621.2	610.7	605.4	594.9	586.1	588.7	583.4
7.5°	629.1	624.7	611.6	599.3	578.2	557.1	547.4	532.5	527.2	522.8	520.2
10°	611.6	603.7	583.4	558.8	528.1	504.4	479.8	462.2	443.7	435.8	438.5
12.5°	589.6	585.2	553.6	515.8	472.7	433.2	404.2	376.1	351.5	338.3	334.8
15°	579.9	566.7	521.1	471.0	416.5	367.3	324.2	275.0	246.0	232.0	232.0
17.5°	569.4	544.8	490.3	421.8	359.4	296.1	235.5	190.7	167.8	159.9	159.9
20°	552.7	525.4	454.3	375.2	299.6	223.2	168.7	144.1	137.1	131.8	132.7
22.5°	540.4	507.0	420.9	329.5	237.2	166.1	132.7	124.8	122.1	120.4	121.3
25°	526.3	485.0	385.7	280.3	186.3	130.9	115.1	111.6	113.3	114.2	114.2
27.5°	514.9	466.6	349.7	227.6	140.6	110.7	103.7	102.8	106.3	108.1	109.0
30°	507.0	449.9	314.6	179.3	112.5	98.4	94.9	94.9	99.3	101.0	101.9
32.5°	499.1	435.8	276.8	137.1	95.8	87.9	87.0	87.9	90.5	90.5	91.4
35°	501.7	422.6	240.8	110.7	86.1	80.8	80.8	80.8	81.7	82.6	82.6
37.5°	507.0	419.1	202.1	93.1	79.1	75.6	75.6	74.7	75.6	74.7	75.6
40°	512.3	413.9	166.9	82.6	74.7	72.1	71.2	69.4	68.5	68.5	69.4
42.5°	534.2	420.9	137.1	75.6	71.2	69.4	66.8	65.0	64.1	64.1	64.1
45°	562.4	434.1	113.3	72.1	68.5	64.1	62.4	61.5	59.8	60.6	61.5
47.5°	604.5	454.3	99.3	69.4	65.9	60.6	58.9	57.1	57.1	58.9	58.9
50°	659.9	487.7	90.5	66.8	63.3	58.0	55.4	54.5	54.5	57.1	57.1
52.5°	719.6	526.3	87.0	65.9	60.6	55.4	52.7	51.8	51.8	55.4	55.4
55°	779.4	573.8	89.6	65.9	58.9	52.7	50.1	48.3	49.2	51.8	51.8
57.5°	845.3	624.7	102.8	65.9	57.1	51.8	48.3	45.7	46.6	47.4	47.4
60°	917.3	691.5	125.7	65.9	56.2	50.1	45.7	42.2	42.2	43.1	43.1
62.5°	990.3	757.4	158.2	66.8	57.1	49.2	42.2	38.7	37.8	38.7	38.7
65°	1086.0	862.9	190.7	66.8	59.8	47.4	39.5	35.1	34.3	34.3	35.1
67.5°	1220.5	938.4	147.6	64.1	61.5	47.4	36.9	32.5	30.8	30.8	30.8
70°	1149.3	791.7	94.0	59.8	58.9	49.2	35.1	29.9	28.1	27.2	27.2
72.5°	984.1	633.5	75.6	56.2	54.5	48.3	33.4	28.1	25.5	24.6	24.6
75°	789.1	500.0	65.9	51.0	47.4	40.4	30.8	25.5	23.7	22.0	22.0
77.5°	386.6	209.1	50.1	44.8	40.4	30.8	27.2	23.7	21.1	19.3	19.3
80°	96.7	72.9	36.9	35.1	29.9	23.7	22.0	20.2	18.5	16.7	16.7
82.5°	51.8	43.1	26.4	23.7	20.2	16.7	16.7	15.8	14.9	13.2	12.3
85°	26.4	25.5	17.6	15.8	13.2	10.5	11.4	11.4	10.5	7.9	7.9
87.5°	14.1	14.1	8.8	7.0	6.2	5.3	5.3	5.3	4.4	3.5	3.5
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)