

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: P671412

Luminaire Tested: **CCP-SA-1A-760-U-SL3**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671412
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-760-U-SL3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ SL3 distribution lens
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

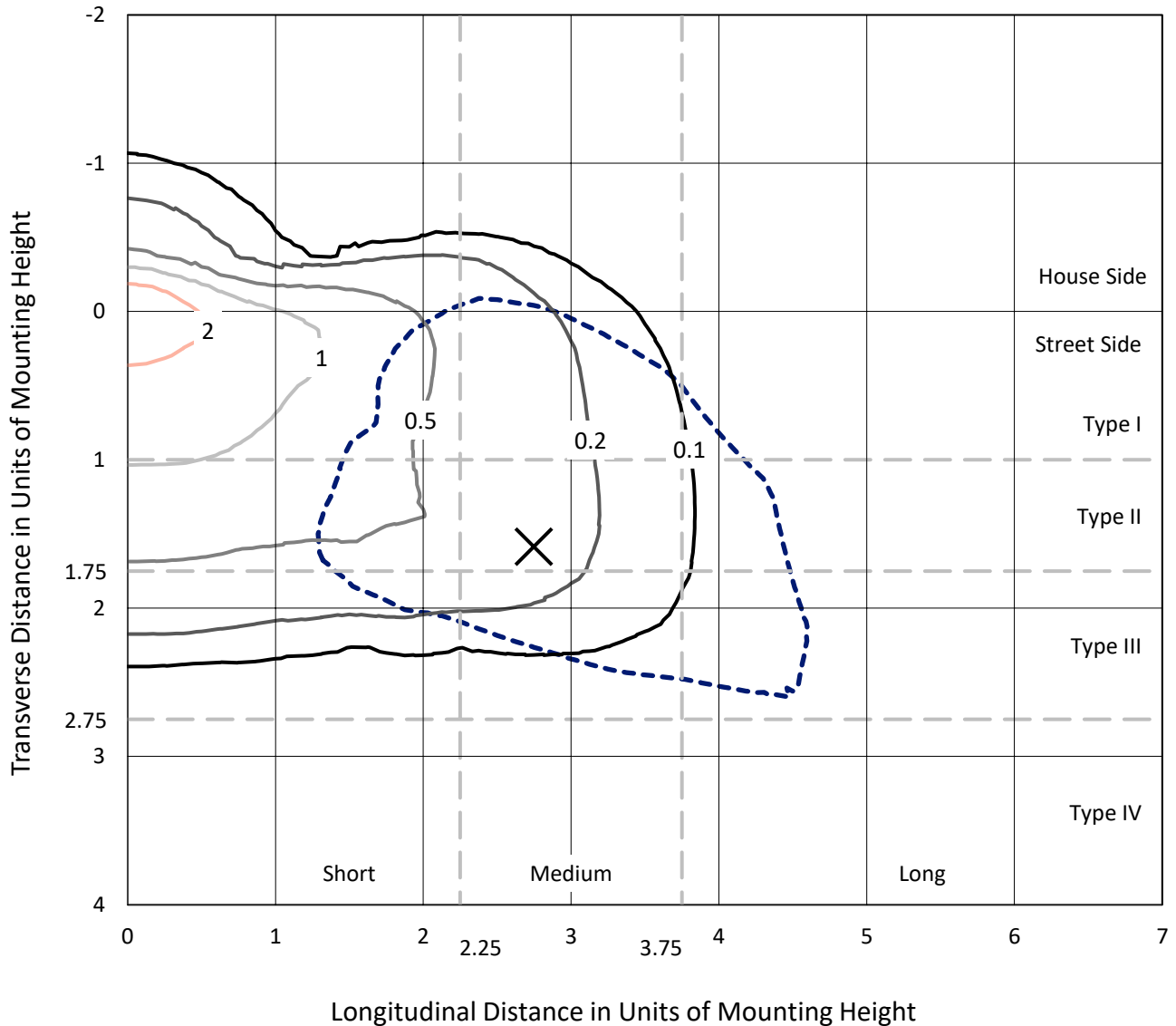
Lumens per Lamp: N/A
Luminaire Lumens: 2767 lumens
Efficiency: N/A
Efficacy: 153.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

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

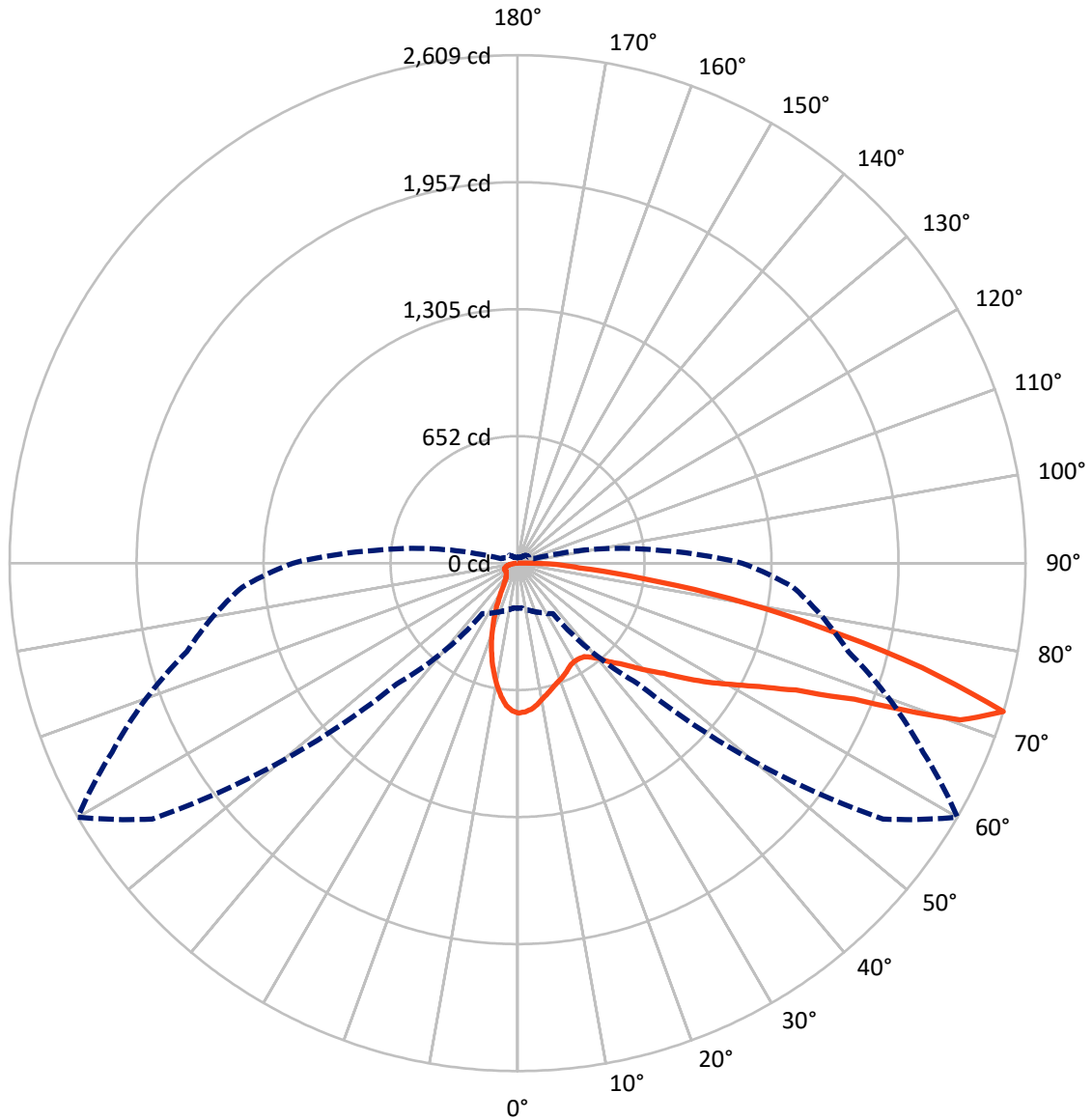
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.4 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	475.3	0.0	475.3
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	2291.6	0.0	2291.6
	% Fixture	82.8	0.0	82.8
Total	Lumens	2767.0	0.0	2767.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.8	2.4
10°-20°	151.4	5.5
20°-30°	193.8	7.0
30°-40°	247.9	9.0
40°-50°	340.0	12.3
50°-60°	491.8	17.8
60°-70°	674.7	24.4
70°-80°	506.3	18.3
80°-90°	94.1	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°	2767.0	100.0
0°-180°	2767.0	100.0



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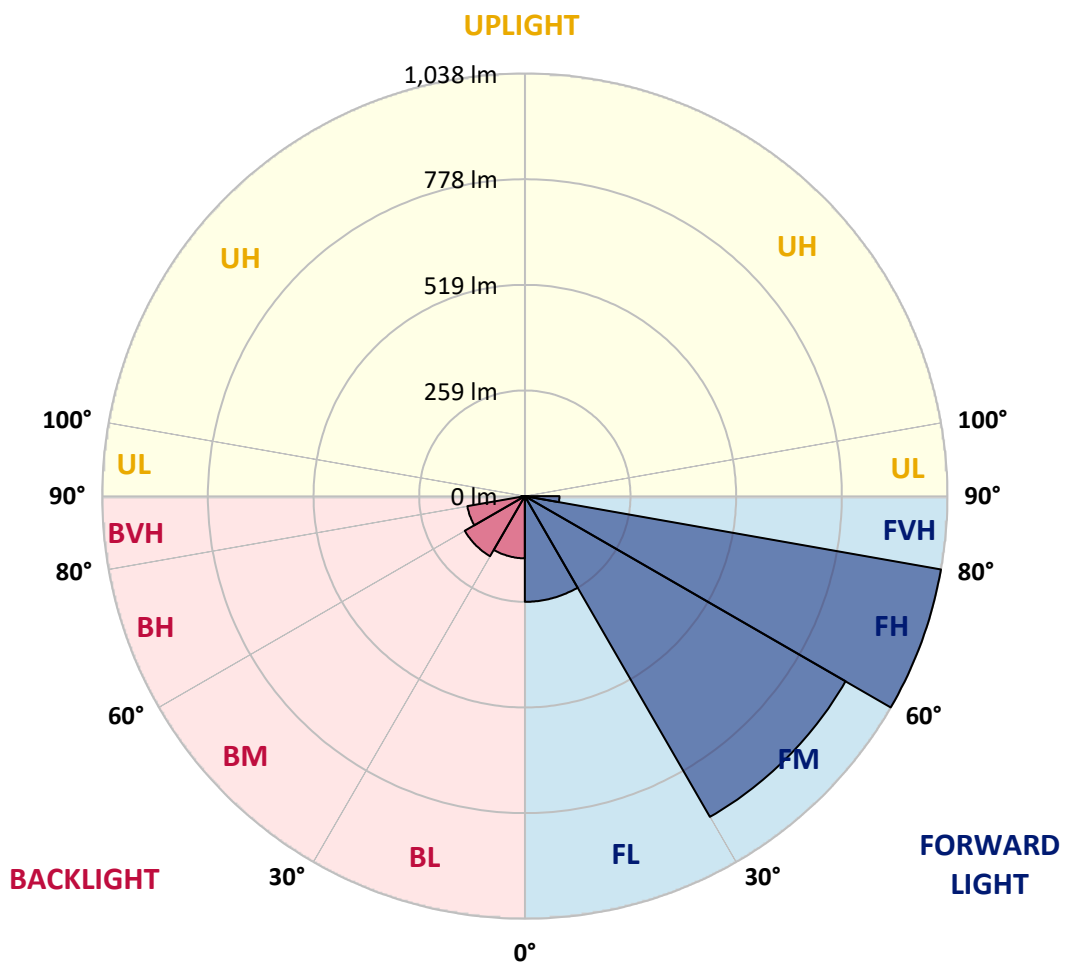
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	259.4	9.4			
FM (30°-60°)	909.5	32.9			
FH (60°-80°)	1037.8	37.5			G1/1800
FVH (80°-90°)	84.9	3.1			G1/100
BL (0°-30°)	152.6	5.5	B1/500		
BM (30°-60°)	170.3	6.2	B0/220		
BH (60°-80°)	143.2	5.2	B1/500		G1/500
BVH (80°-90°)	9.2	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°	770.5	770.5	770.5	770.5	770.5	770.5	770.5	770.5	770.5	770.5	770.5
2.5°	754.0	761.2	763.2	763.2	769.4	762.2	772.5	764.3	766.3	769.4	767.4
5°	717.9	730.3	723.1	736.5	731.3	740.6	752.9	752.9	749.9	756.0	750.9
7.5°	682.9	678.8	691.1	691.1	699.4	711.7	722.0	732.3	733.4	735.4	734.4
10°	635.5	640.7	646.9	655.1	665.4	677.8	699.4	707.6	709.7	722.0	719.0
12.5°	596.4	603.6	607.7	624.2	633.5	651.0	675.7	687.0	688.1	705.6	705.6
15°	567.5	571.7	580.9	587.1	607.7	632.4	656.1	666.4	677.8	696.3	691.1
17.5°	548.0	553.1	557.2	565.5	585.1	605.7	642.7	648.9	662.3	689.1	682.9
20°	536.6	537.7	543.9	549.0	566.5	586.1	619.0	635.5	653.0	676.7	670.5
22.5°	538.7	534.6	533.6	540.8	543.9	562.4	602.6	620.1	644.8	672.6	662.3
25°	542.8	543.9	541.8	535.6	536.6	553.1	579.9	602.6	630.4	671.6	651.0
27.5°	553.1	558.3	550.0	543.9	537.7	543.9	571.7	588.1	619.0	676.7	649.9
30°	563.4	568.6	566.5	557.2	544.9	542.8	562.4	583.0	612.9	680.8	649.9
32.5°	578.9	586.1	578.9	582.0	567.5	558.3	565.5	584.0	619.0	695.3	651.0
35°	596.4	602.6	604.6	597.4	594.3	576.8	580.9	590.2	625.2	711.7	661.3
37.5°	616.0	623.2	629.3	630.4	620.1	609.8	607.7	612.9	640.7	740.6	672.6
40°	629.3	633.5	645.8	656.1	659.2	644.8	643.8	643.8	668.5	766.3	693.2
42.5°	652.0	649.9	667.5	686.0	691.1	682.9	685.0	693.2	707.6	803.4	726.2
45°	663.3	661.3	681.9	712.8	736.5	732.3	734.4	737.5	750.9	862.1	781.8
47.5°	678.8	680.8	710.7	745.7	770.5	784.9	796.2	795.2	805.5	921.9	843.6
50°	694.2	698.4	734.4	771.5	814.8	839.5	856.0	867.3	877.6	984.7	914.7
52.5°	724.1	728.2	768.4	808.6	864.2	900.2	941.4	940.4	941.4	1047.5	985.7
55°	767.4	768.4	792.1	838.4	913.6	979.6	1036.2	1042.4	1024.9	1125.8	1067.1
57.5°	816.8	820.9	841.5	876.6	952.8	1055.8	1142.3	1154.7	1107.3	1189.7	1141.3
60°	863.2	866.3	898.2	938.4	1020.8	1151.6	1249.4	1263.8	1212.3	1268.0	1218.5
62.5°	810.6	826.1	882.7	974.4	1140.2	1296.8	1385.4	1394.7	1314.3	1347.3	1300.9
65°	648.9	659.2	740.6	888.9	1148.5	1560.5	1595.5	1570.8	1454.4	1449.2	1425.6
67.5°	361.5	369.8	425.4	580.9	967.2	1659.4	2047.7	1866.4	1671.7	1602.7	1594.5
70°	285.3	287.4	294.6	326.5	536.6	1462.6	2404.1	2412.3	2027.1	1813.9	1630.5
72.5°	231.8	230.7	252.4	280.2	317.2	877.6	2291.8	2609.1	2299.0	1758.3	1420.4
75°	177.2	180.3	208.1	248.2	290.5	413.0	1709.8	2146.6	2153.8	1638.8	1197.9
77.5°	134.9	136.0	166.9	219.4	284.3	291.5	1115.5	1599.6	1606.8	1269.0	660.2
80°	100.9	100.9	126.7	185.4	277.1	268.8	687.0	1109.3	1004.3	446.0	144.2
82.5°	57.7	61.8	84.5	141.1	251.3	258.5	387.3	635.5	424.4	121.5	67.0
85°	30.9	31.9	51.5	94.8	207.0	247.2	295.6	316.2	168.9	64.9	30.9
87.5°	11.3	11.3	23.7	48.4	130.8	183.3	234.8	201.9	96.8	29.9	15.5
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°	770.5	770.5	770.5	770.5	770.5	770.5	770.5	770.5	770.5	770.5	770.5
2.5°	769.4	765.3	762.2	765.3	754.0	748.8	755.0	751.9	745.7	742.6	740.6
5°	754.0	748.8	743.7	740.6	728.2	715.9	709.7	697.3	687.0	690.1	683.9
7.5°	737.5	732.3	716.9	702.5	677.8	653.0	641.7	624.2	618.0	612.9	609.8
10°	716.9	707.6	683.9	655.1	619.0	591.2	562.4	541.8	520.2	510.9	514.0
12.5°	691.1	686.0	648.9	604.6	554.2	507.8	473.8	440.9	412.0	396.6	392.4
15°	679.8	664.4	610.8	552.1	488.2	430.6	380.1	322.4	288.4	271.9	271.9
17.5°	667.5	638.6	574.8	494.4	421.3	347.1	276.0	223.5	196.7	187.5	187.5
20°	647.9	616.0	532.5	439.8	351.2	261.6	197.8	168.9	160.7	154.5	155.5
22.5°	633.5	594.3	493.4	386.3	278.1	194.7	155.5	146.3	143.2	141.1	142.1
25°	617.0	568.6	452.2	328.6	218.4	153.5	134.9	130.8	132.9	133.9	133.9
27.5°	603.6	546.9	410.0	266.8	164.8	129.8	121.5	120.5	124.6	126.7	127.7
30°	594.3	527.4	368.7	210.1	131.8	115.4	111.2	111.2	116.4	118.5	119.5
32.5°	585.1	510.9	324.5	160.7	112.3	103.0	102.0	103.0	106.1	106.1	107.1
35°	588.1	495.4	282.2	129.8	100.9	94.8	94.8	94.8	95.8	96.8	96.8
37.5°	594.3	491.3	236.9	109.2	92.7	88.6	88.6	87.6	88.6	87.6	88.6
40°	600.5	485.1	195.7	96.8	87.6	84.5	83.4	81.4	80.3	80.3	81.4
42.5°	626.3	493.4	160.7	88.6	83.4	81.4	78.3	76.2	75.2	75.2	75.2
45°	659.2	508.8	132.9	84.5	80.3	75.2	73.1	72.1	70.0	71.1	72.1
47.5°	708.7	532.5	116.4	81.4	77.3	71.1	69.0	67.0	67.0	69.0	69.0
50°	773.5	571.7	106.1	78.3	74.2	68.0	64.9	63.9	63.9	67.0	67.0
52.5°	843.6	617.0	102.0	77.3	71.1	64.9	61.8	60.8	60.8	64.9	64.9
55°	913.6	672.6	105.1	77.3	69.0	61.8	58.7	56.7	57.7	60.8	60.8
57.5°	990.9	732.3	120.5	77.3	67.0	60.8	56.7	53.6	54.6	55.6	55.6
60°	1075.3	810.6	147.3	77.3	65.9	58.7	53.6	49.4	49.4	50.5	50.5
62.5°	1160.8	887.9	185.4	78.3	67.0	57.7	49.4	45.3	44.3	45.3	45.3
65°	1273.1	1011.5	223.5	78.3	70.0	55.6	46.4	41.2	40.2	40.2	41.2
67.5°	1430.7	1100.1	173.0	75.2	72.1	55.6	43.3	38.1	36.1	36.1	36.1
70°	1347.3	928.1	110.2	70.0	69.0	57.7	41.2	35.0	33.0	31.9	31.9
72.5°	1153.6	742.6	88.6	65.9	63.9	56.7	39.1	33.0	29.9	28.8	28.8
75°	925.0	586.1	77.3	59.7	55.6	47.4	36.1	29.9	27.8	25.8	25.8
77.5°	453.2	245.1	58.7	52.5	47.4	36.1	31.9	27.8	24.7	22.7	22.7
80°	113.3	85.5	43.3	41.2	35.0	27.8	25.8	23.7	21.6	19.6	19.6
82.5°	60.8	50.5	30.9	27.8	23.7	19.6	19.6	18.5	17.5	15.5	14.4
85°	30.9	29.9	20.6	18.5	15.5	12.4	13.4	13.4	12.4	9.3	9.3
87.5°	16.5	16.5	10.3	8.2	7.2	6.2	6.2	6.2	5.2	4.1	4.1
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)