

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: P671346

Luminaire Tested: **CCP-SA-1A-722-U-SL3**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671346
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-722-U-SL3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ SL3 distribution lens
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

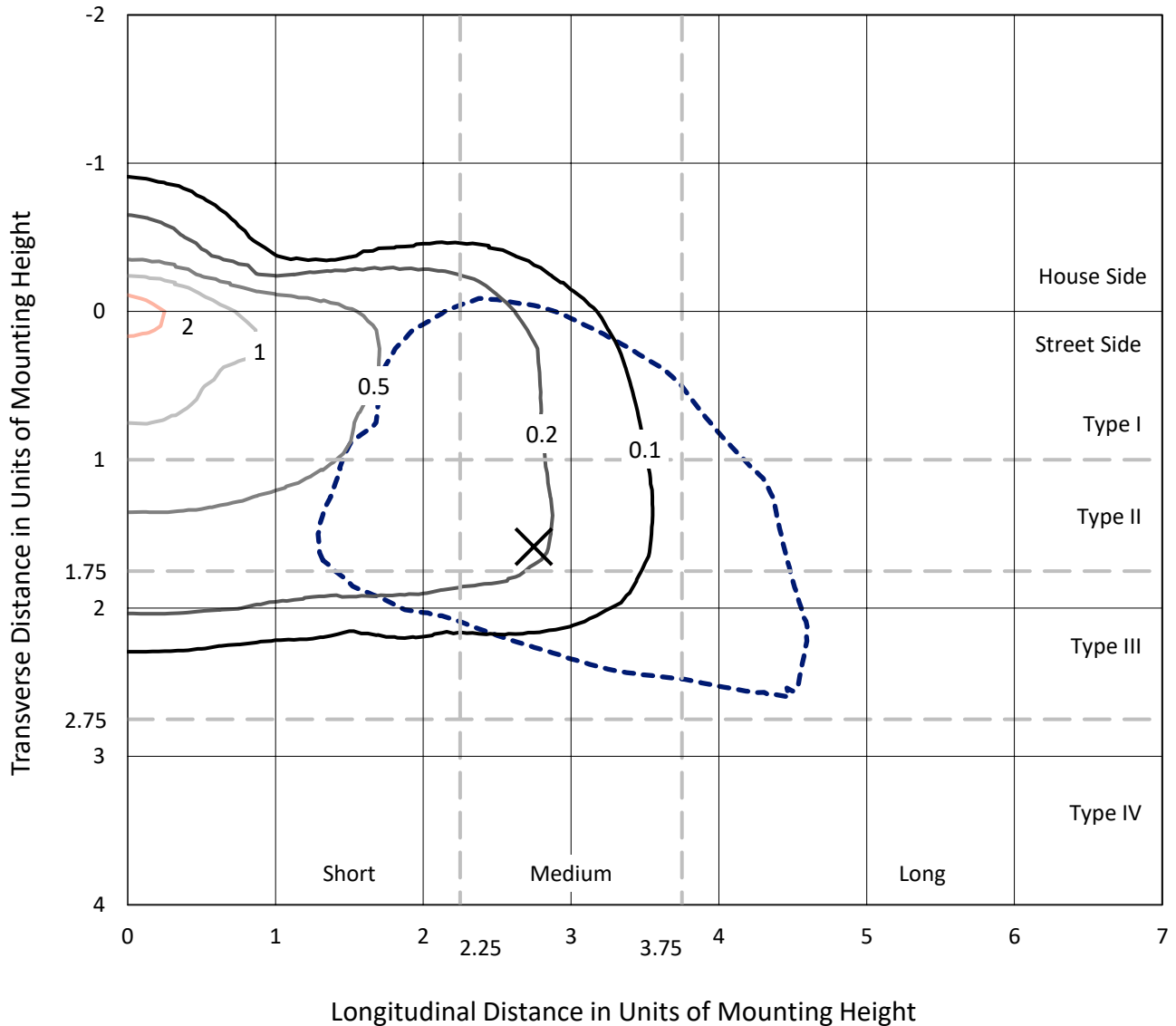
Lumens per Lamp: N/A
Luminaire Lumens: 1992.5 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 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

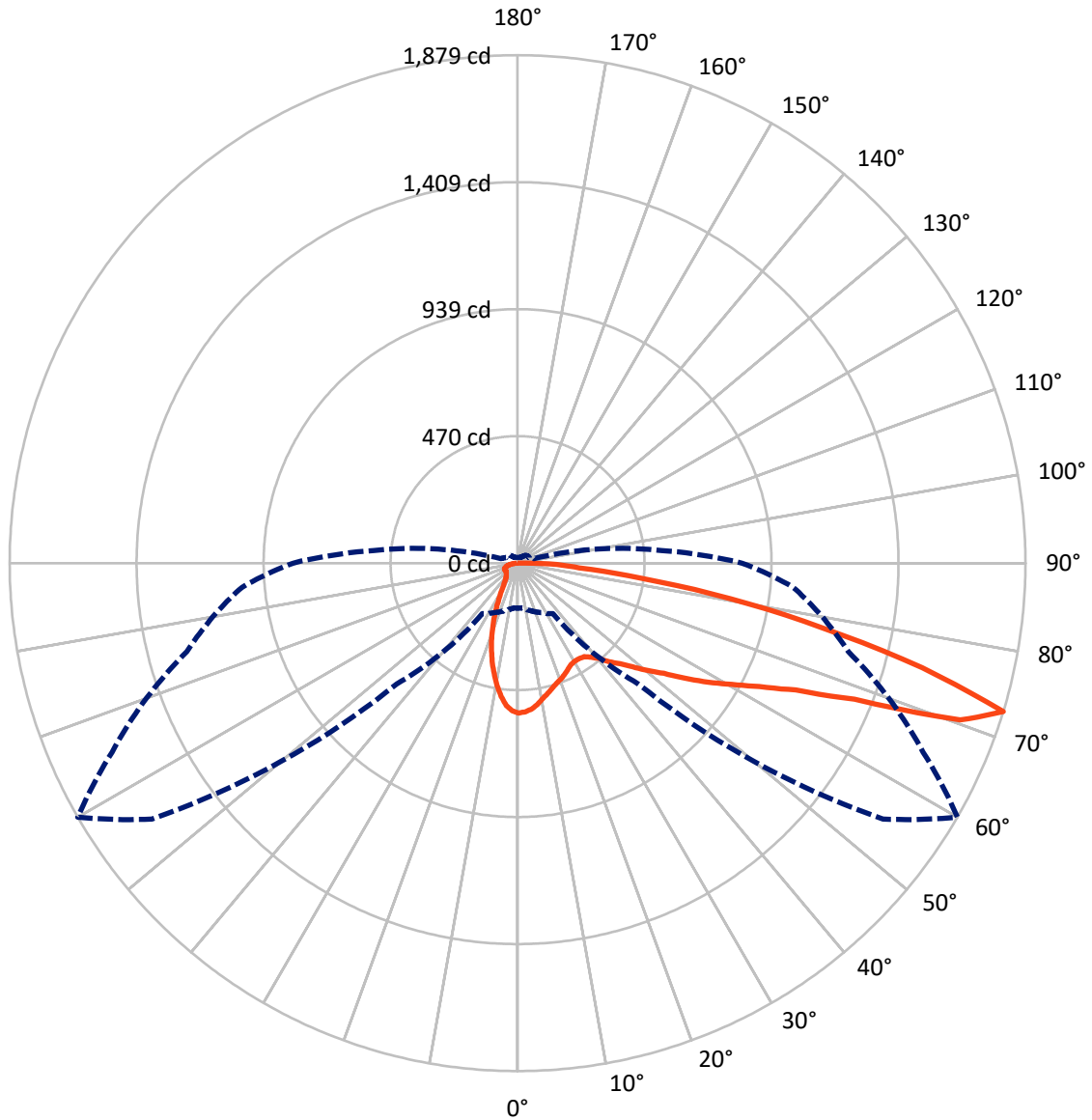
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 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	342.3	0.0	342.3
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	1650.2	0.0	1650.2
	% Fixture	82.8	0.0	82.8
Total	Lumens	1992.5	0.0	1992.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.1	2.4
10°-20°	109.1	5.5
20°-30°	139.6	7.0
30°-40°	178.5	9.0
40°-50°	244.9	12.3
50°-60°	354.2	17.8
60°-70°	485.9	24.4
70°-80°	364.6	18.3
80°-90°	67.8	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°	1992.5	100.0
0°-180°	1992.5	100.0



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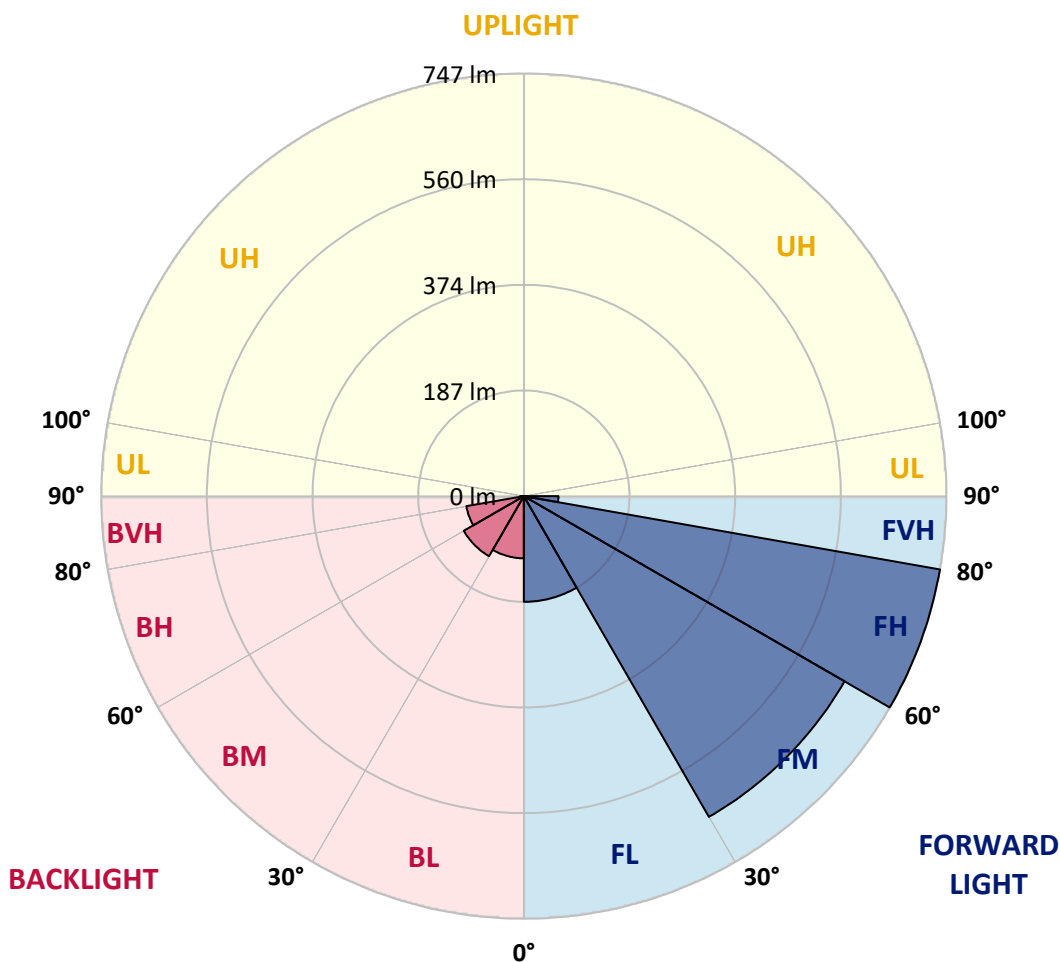
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	186.8	9.4			
FM (30°-60°)	654.9	32.9			
FH (60°-80°)	747.3	37.5			G1/1800
FVH (80°-90°)	61.2	3.1			G1/100
BL (0°-30°)	109.9	5.5	B0/110		
BM (30°-60°)	122.7	6.2	B0/220		
BH (60°-80°)	103.1	5.2	B0/110		G0/110
BVH (80°-90°)	6.6	0.3			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°	60°	65°	75°	85°
0°	554.8	554.8	554.8	554.8	554.8	554.8	554.8	554.8	554.8	554.8	554.8
2.5°	542.9	548.1	549.6	549.6	554.1	548.9	556.3	550.4	551.8	554.1	552.6
5°	517.0	525.9	520.7	530.3	526.6	533.3	542.2	542.2	540.0	544.4	540.7
7.5°	491.8	488.8	497.7	497.7	503.6	512.5	520.0	527.4	528.1	529.6	528.9
10°	457.6	461.4	465.8	471.7	479.2	488.1	503.6	509.6	511.1	520.0	517.7
12.5°	429.5	434.7	437.6	449.5	456.2	468.8	486.6	494.7	495.5	508.1	508.1
15°	408.7	411.7	418.3	422.8	437.6	455.4	472.5	479.9	488.1	501.4	497.7
17.5°	394.6	398.3	401.3	407.2	421.3	436.1	462.8	467.3	476.9	496.2	491.8
20°	386.4	387.2	391.6	395.3	408.0	422.0	445.8	457.6	470.3	487.3	482.9
22.5°	387.9	385.0	384.2	389.4	391.6	405.0	433.9	446.5	464.3	484.4	476.9
25°	390.9	391.6	390.2	385.7	386.4	398.3	417.6	433.9	453.9	483.6	468.8
27.5°	398.3	402.0	396.1	391.6	387.2	391.6	411.7	423.5	445.8	487.3	468.0
30°	405.7	409.4	408.0	401.3	392.4	390.9	405.0	419.8	441.3	490.3	468.0
32.5°	416.9	422.0	416.9	419.1	408.7	402.0	407.2	420.6	445.8	500.7	468.8
35°	429.5	433.9	435.4	430.2	428.0	415.4	418.3	425.0	450.2	512.5	476.2
37.5°	443.6	448.7	453.2	453.9	446.5	439.1	437.6	441.3	461.4	533.3	484.4
40°	453.2	456.2	465.1	472.5	474.7	464.3	463.6	463.6	481.4	551.8	499.2
42.5°	469.5	468.0	480.6	494.0	497.7	491.8	493.3	499.2	509.6	578.6	522.9
45°	477.7	476.2	491.0	513.3	530.3	527.4	528.9	531.1	540.7	620.8	563.0
47.5°	488.8	490.3	511.8	537.0	554.8	565.2	573.4	572.6	580.0	663.8	607.5
50°	499.9	502.9	528.9	555.6	586.7	604.5	616.4	624.5	632.0	709.1	658.7
52.5°	521.4	524.4	553.3	582.3	622.3	648.3	677.9	677.2	677.9	754.3	709.8
55°	552.6	553.3	570.4	603.8	657.9	705.4	746.2	750.6	738.0	810.7	768.4
57.5°	588.2	591.2	606.0	631.2	686.1	760.3	822.6	831.5	797.4	856.7	821.8
60°	621.6	623.8	646.8	675.7	735.1	829.3	899.7	910.1	873.0	913.1	877.5
62.5°	583.7	594.9	635.7	701.7	821.1	933.8	997.6	1004.3	946.4	970.2	936.8
65°	467.3	474.7	533.3	640.1	827.0	1123.7	1148.9	1131.1	1047.3	1043.6	1026.6
67.5°	260.3	266.3	306.3	418.3	696.5	1194.9	1474.6	1344.0	1203.8	1154.1	1148.2
70°	205.5	206.9	212.1	235.1	386.4	1053.3	1731.2	1737.1	1459.7	1306.2	1174.2
72.5°	166.9	166.1	181.7	201.8	228.5	632.0	1650.4	1878.8	1655.5	1266.1	1022.8
75°	127.6	129.8	149.8	178.8	209.2	297.4	1231.3	1545.8	1551.0	1180.1	862.6
77.5°	97.2	97.9	120.2	158.0	204.7	209.9	803.3	1151.9	1157.1	913.8	475.4
80°	72.7	72.7	91.2	133.5	199.5	193.6	494.7	798.8	723.2	321.2	103.8
82.5°	41.5	44.5	60.8	101.6	181.0	186.2	278.9	457.6	305.6	87.5	48.2
85°	22.3	23.0	37.1	68.2	149.1	178.0	212.9	227.7	121.6	46.7	22.3
87.5°	8.2	8.2	17.1	34.9	94.2	132.0	169.1	145.4	69.7	21.5	11.1
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°	554.8	554.8	554.8	554.8	554.8	554.8	554.8	554.8	554.8	554.8	554.8
2.5°	554.1	551.1	548.9	551.1	542.9	539.2	543.7	541.5	537.0	534.8	533.3
5°	542.9	539.2	535.5	533.3	524.4	515.5	511.1	502.2	494.7	497.0	492.5
7.5°	531.1	527.4	516.2	505.9	488.1	470.3	462.1	449.5	445.0	441.3	439.1
10°	516.2	509.6	492.5	471.7	445.8	425.8	405.0	390.2	374.6	367.9	370.1
12.5°	497.7	494.0	467.3	435.4	399.1	365.7	341.2	317.5	296.7	285.6	282.6
15°	489.5	478.4	439.8	397.6	351.6	310.0	273.7	232.2	207.7	195.8	195.8
17.5°	480.6	459.9	413.9	356.0	303.4	250.0	198.8	161.0	141.7	135.0	135.0
20°	466.5	443.6	383.5	316.7	252.9	188.4	142.4	121.6	115.7	111.3	112.0
22.5°	456.2	428.0	355.3	278.1	200.3	140.2	112.0	105.3	103.1	101.6	102.4
25°	444.3	409.4	325.6	236.6	157.2	110.5	97.2	94.2	95.7	96.4	96.4
27.5°	434.7	393.9	295.2	192.1	118.7	93.5	87.5	86.8	89.7	91.2	92.0
30°	428.0	379.8	265.5	151.3	94.9	83.1	80.1	80.1	83.8	85.3	86.0
32.5°	421.3	367.9	233.6	115.7	80.8	74.2	73.4	74.2	76.4	76.4	77.1
35°	423.5	356.8	203.2	93.5	72.7	68.2	68.2	68.2	69.0	69.7	69.7
37.5°	428.0	353.8	170.6	78.6	66.8	63.8	63.8	63.0	63.8	63.0	63.8
40°	432.4	349.4	140.9	69.7	63.0	60.8	60.1	58.6	57.9	57.9	58.6
42.5°	451.0	355.3	115.7	63.8	60.1	58.6	56.4	54.9	54.1	54.1	54.1
45°	474.7	366.4	95.7	60.8	57.9	54.1	52.7	51.9	50.4	51.2	51.9
47.5°	510.3	383.5	83.8	58.6	55.6	51.2	49.7	48.2	48.2	49.7	49.7
50°	557.0	411.7	76.4	56.4	53.4	49.0	46.7	46.0	46.0	48.2	48.2
52.5°	607.5	444.3	73.4	55.6	51.2	46.7	44.5	43.8	43.8	46.7	46.7
55°	657.9	484.4	75.7	55.6	49.7	44.5	42.3	40.8	41.5	43.8	43.8
57.5°	713.5	527.4	86.8	55.6	48.2	43.8	40.8	38.6	39.3	40.1	40.1
60°	774.4	583.7	106.1	55.6	47.5	42.3	38.6	35.6	35.6	36.3	36.3
62.5°	835.9	639.4	133.5	56.4	48.2	41.5	35.6	32.6	31.9	32.6	32.6
65°	916.8	728.4	161.0	56.4	50.4	40.1	33.4	29.7	28.9	28.9	29.7
67.5°	1030.3	792.2	124.6	54.1	51.9	40.1	31.2	27.4	26.0	26.0	26.0
70°	970.2	668.3	79.4	50.4	49.7	41.5	29.7	25.2	23.7	23.0	23.0
72.5°	830.7	534.8	63.8	47.5	46.0	40.8	28.2	23.7	21.5	20.8	20.8
75°	666.1	422.0	55.6	43.0	40.1	34.1	26.0	21.5	20.0	18.5	18.5
77.5°	326.4	176.5	42.3	37.8	34.1	26.0	23.0	20.0	17.8	16.3	16.3
80°	81.6	61.6	31.2	29.7	25.2	20.0	18.5	17.1	15.6	14.1	14.1
82.5°	43.8	36.3	22.3	20.0	17.1	14.1	14.1	13.4	12.6	11.1	10.4
85°	22.3	21.5	14.8	13.4	11.1	8.9	9.6	9.6	8.9	6.7	6.7
87.5°	11.9	11.9	7.4	5.9	5.2	4.5	4.5	4.5	3.7	3.0	3.0
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)