

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: P671423

Luminaire Tested: **CCP-SA-1A-827-U-SL3**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671423
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-827-U-SL3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ SL3 distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

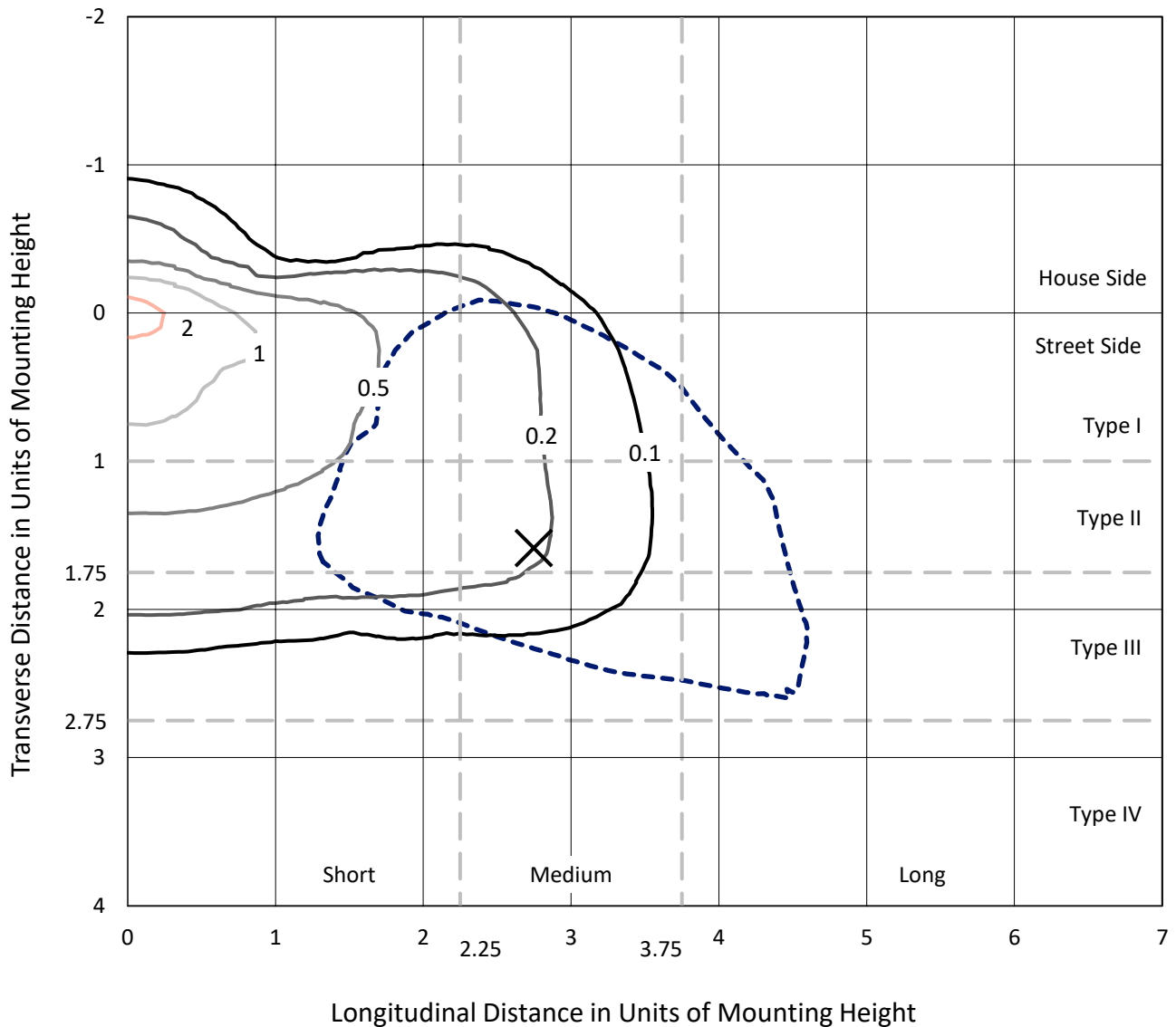
Lumens per Lamp: N/A
Luminaire Lumens: 1988.5 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

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

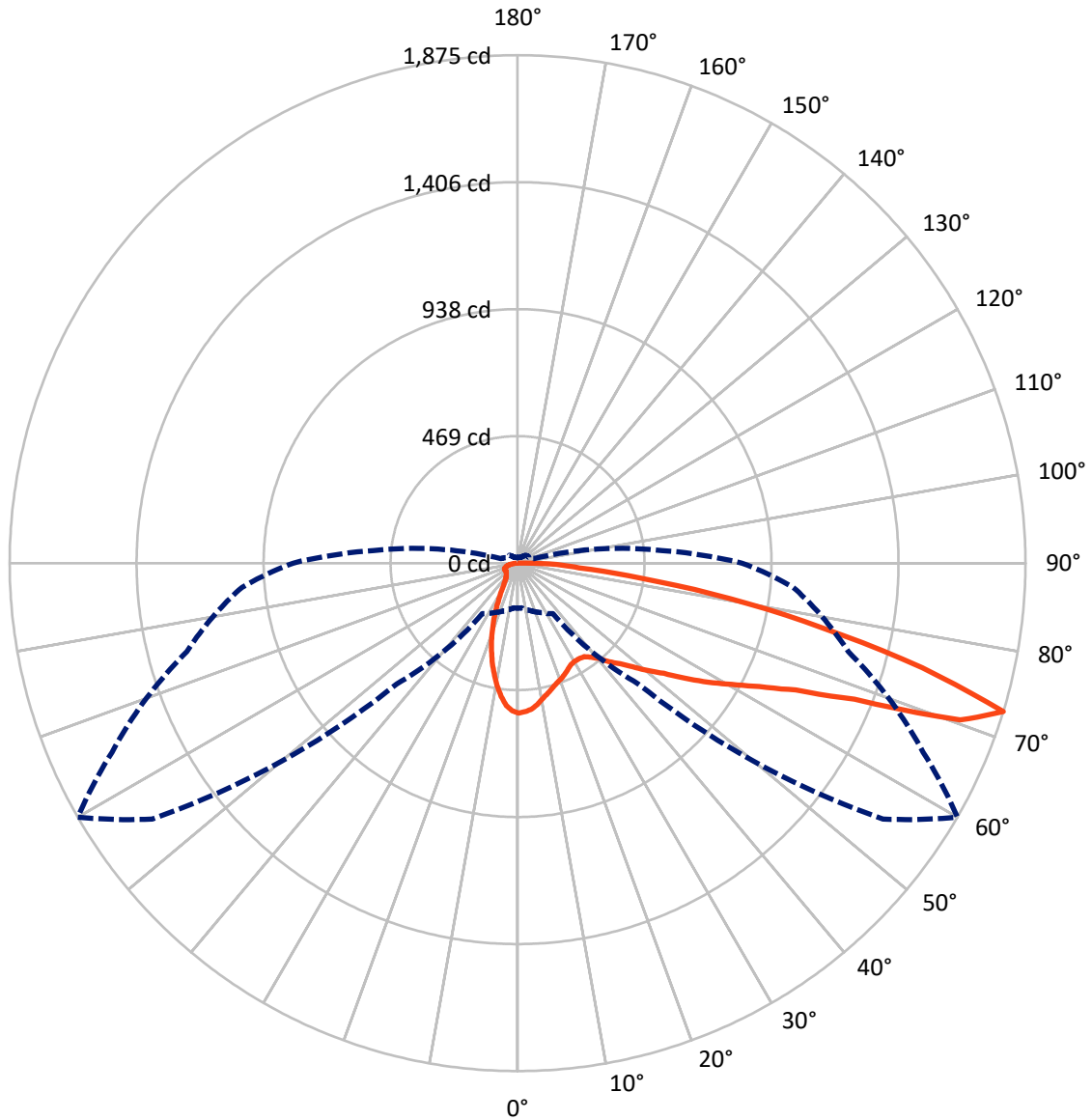
× Max cd
 - - - 1/2 Max cd



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	341.6	0.0	341.6
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	1646.9	0.0	1646.9
	% Fixture	82.8	0.0	82.8
Total	Lumens	1988.5	0.0	1988.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.0	2.4
10°-20°	108.8	5.5
20°-30°	139.3	7.0
30°-40°	178.2	9.0
40°-50°	244.4	12.3
50°-60°	353.5	17.8
60°-70°	484.9	24.4
70°-80°	363.9	18.3
80°-90°	67.6	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°	1988.5	100.0
0°-180°	1988.5	100.0



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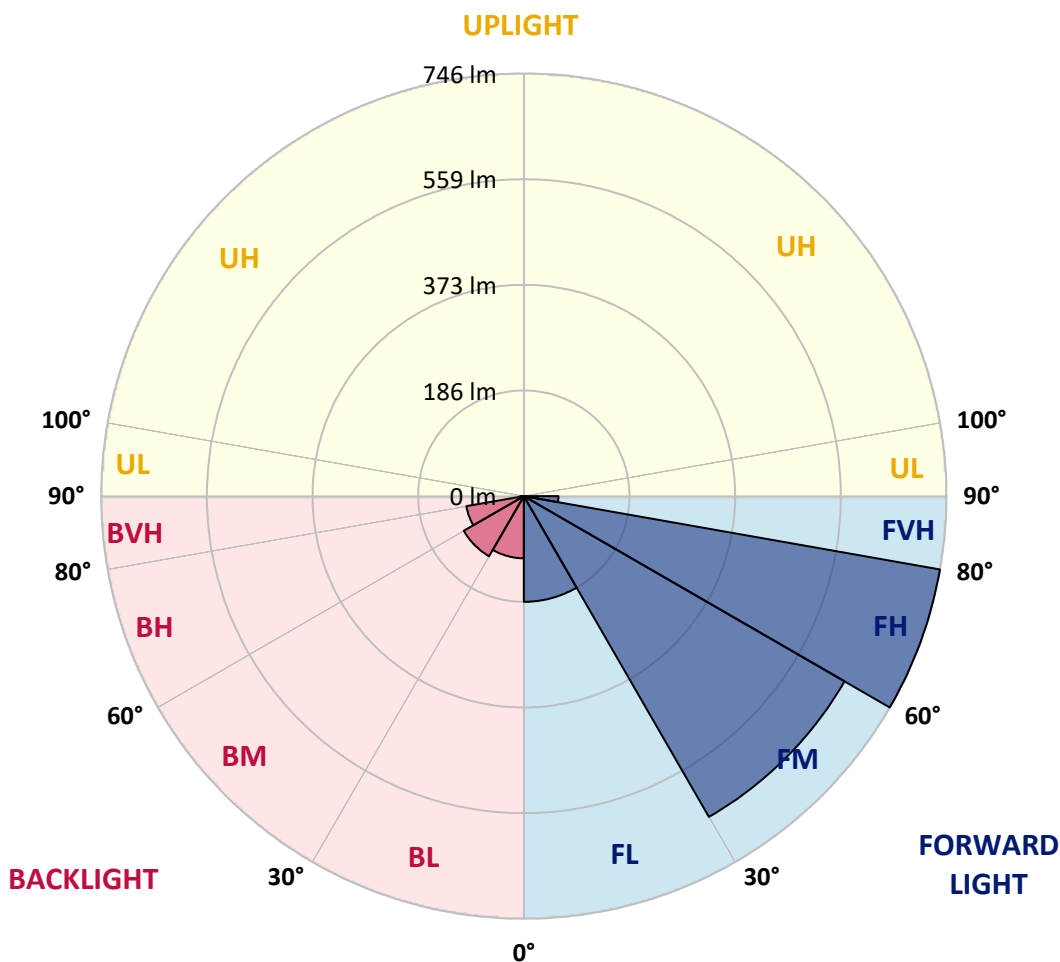
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	186.4	9.4			
FM (30°-60°)	653.6	32.9			
FH (60°-80°)	745.8	37.5			G1/1800
FVH (80°-90°)	61.0	3.1			G1/100
BL (0°-30°)	109.6	5.5	B0/110		
BM (30°-60°)	122.4	6.2	B0/220		
BH (60°-80°)	102.9	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°	553.7	553.7	553.7	553.7	553.7	553.7	553.7	553.7	553.7	553.7	553.7
2.5°	541.8	547.0	548.5	548.5	552.9	547.8	555.2	549.2	550.7	552.9	551.5
5°	515.9	524.8	519.6	529.3	525.6	532.2	541.1	541.1	538.9	543.3	539.6
7.5°	490.8	487.8	496.7	496.7	502.6	511.5	518.9	526.3	527.0	528.5	527.8
10°	456.7	460.4	464.9	470.8	478.2	487.1	502.6	508.5	510.0	518.9	516.7
12.5°	428.6	433.8	436.7	448.6	455.2	467.8	485.6	493.7	494.5	507.1	507.1
15°	407.9	410.8	417.5	421.9	436.7	454.5	471.5	478.9	487.1	500.4	496.7
17.5°	393.8	397.5	400.5	406.4	420.4	435.2	461.9	466.3	476.0	495.2	490.8
20°	385.7	386.4	390.8	394.5	407.1	421.2	444.9	456.7	469.3	486.3	481.9
22.5°	387.1	384.2	383.4	388.6	390.8	404.2	433.0	445.6	463.4	483.4	476.0
25°	390.1	390.8	389.4	384.9	385.7	397.5	416.7	433.0	453.0	482.6	467.8
27.5°	397.5	401.2	395.3	390.8	386.4	390.8	410.8	422.7	444.9	486.3	467.1
30°	404.9	408.6	407.1	400.5	391.6	390.1	404.2	419.0	440.4	489.3	467.1
32.5°	416.0	421.2	416.0	418.2	407.9	401.2	406.4	419.7	444.9	499.6	467.8
35°	428.6	433.0	434.5	429.3	427.1	414.5	417.5	424.1	449.3	511.5	475.2
37.5°	442.7	447.8	452.3	453.0	445.6	438.2	436.7	440.4	460.4	532.2	483.4
40°	452.3	455.2	464.1	471.5	473.7	463.4	462.6	462.6	480.4	550.7	498.2
42.5°	468.6	467.1	479.7	493.0	496.7	490.8	492.2	498.2	508.5	577.4	521.9
45°	476.7	475.2	490.0	512.2	529.3	526.3	527.8	530.0	539.6	619.6	561.8
47.5°	487.8	489.3	510.8	535.9	553.7	564.0	572.2	571.5	578.9	662.5	606.2
50°	498.9	501.9	527.8	554.4	585.5	603.3	615.1	623.3	630.7	707.7	657.3
52.5°	520.4	523.3	552.2	581.1	621.0	647.0	676.6	675.8	676.6	752.8	708.4
55°	551.5	552.2	569.2	602.5	656.6	704.0	744.7	749.1	736.5	809.1	766.9
57.5°	587.0	590.0	604.8	629.9	684.7	758.7	820.9	829.8	795.7	855.0	820.2
60°	620.3	622.5	645.5	674.3	733.6	827.6	897.9	908.3	871.2	911.2	875.7
62.5°	582.6	593.7	634.4	700.2	819.4	931.9	995.6	1002.3	944.5	968.2	934.9
65°	466.3	473.7	532.2	638.8	825.3	1121.4	1146.6	1128.8	1045.2	1041.5	1024.5
67.5°	259.8	265.7	305.7	417.5	695.1	1192.5	1471.6	1341.3	1201.4	1151.8	1145.9
70°	205.0	206.5	211.7	234.7	385.7	1051.1	1727.7	1733.6	1456.8	1303.5	1171.8
72.5°	166.5	165.8	181.4	201.3	228.0	630.7	1647.0	1875.0	1652.2	1263.6	1020.8
75°	127.3	129.5	149.5	178.4	208.7	296.8	1228.8	1542.6	1547.8	1177.7	860.9
77.5°	97.0	97.7	119.9	157.7	204.3	209.5	801.7	1149.6	1154.7	912.0	474.5
80°	72.5	72.5	91.0	133.2	199.1	193.2	493.7	797.2	721.7	320.5	103.6
82.5°	41.5	44.4	60.7	101.4	180.6	185.8	278.3	456.7	305.0	87.3	48.1
85°	22.2	22.9	37.0	68.1	148.8	177.7	212.4	227.2	121.4	46.6	22.2
87.5°	8.1	8.1	17.0	34.8	94.0	131.8	168.8	145.1	69.6	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°	553.7	553.7	553.7	553.7	553.7	553.7	553.7	553.7	553.7	553.7	553.7
2.5°	552.9	550.0	547.8	550.0	541.8	538.1	542.6	540.4	535.9	533.7	532.2
5°	541.8	538.1	534.4	532.2	523.3	514.5	510.0	501.1	493.7	495.9	491.5
7.5°	530.0	526.3	515.2	504.8	487.1	469.3	461.2	448.6	444.1	440.4	438.2
10°	515.2	508.5	491.5	470.8	444.9	424.9	404.2	389.4	373.8	367.1	369.4
12.5°	496.7	493.0	466.3	434.5	398.2	364.9	340.5	316.8	296.1	285.0	282.0
15°	488.5	477.4	439.0	396.8	350.9	309.4	273.1	231.7	207.3	195.4	195.4
17.5°	479.7	458.9	413.0	355.3	302.8	249.5	198.4	160.6	141.4	134.7	134.7
20°	465.6	442.7	382.7	316.1	252.4	188.0	142.1	121.4	115.5	111.0	111.8
22.5°	455.2	427.1	354.6	277.6	199.9	139.9	111.8	105.1	102.9	101.4	102.2
25°	443.4	408.6	325.0	236.1	156.9	110.3	97.0	94.0	95.5	96.2	96.2
27.5°	433.8	393.1	294.6	191.7	118.4	93.3	87.3	86.6	89.6	91.0	91.8
30°	427.1	379.0	265.0	151.0	94.7	82.9	79.9	79.9	83.6	85.1	85.9
32.5°	420.4	367.1	233.2	115.5	80.7	74.0	73.3	74.0	76.2	76.2	77.0
35°	422.7	356.0	202.8	93.3	72.5	68.1	68.1	68.1	68.8	69.6	69.6
37.5°	427.1	353.1	170.3	78.5	66.6	63.7	63.7	62.9	63.7	62.9	63.7
40°	431.5	348.6	140.6	69.6	62.9	60.7	60.0	58.5	57.7	57.7	58.5
42.5°	450.1	354.6	115.5	63.7	60.0	58.5	56.3	54.8	54.0	54.0	54.0
45°	473.7	365.7	95.5	60.7	57.7	54.0	52.6	51.8	50.3	51.1	51.8
47.5°	509.3	382.7	83.6	58.5	55.5	51.1	49.6	48.1	48.1	49.6	49.6
50°	555.9	410.8	76.2	56.3	53.3	48.9	46.6	45.9	45.9	48.1	48.1
52.5°	606.2	443.4	73.3	55.5	51.1	46.6	44.4	43.7	43.7	46.6	46.6
55°	656.6	483.4	75.5	55.5	49.6	44.4	42.2	40.7	41.5	43.7	43.7
57.5°	712.1	526.3	86.6	55.5	48.1	43.7	40.7	38.5	39.2	40.0	40.0
60°	772.8	582.6	105.9	55.5	47.4	42.2	38.5	35.5	35.5	36.3	36.3
62.5°	834.2	638.1	133.2	56.3	48.1	41.5	35.5	32.6	31.8	32.6	32.6
65°	914.9	726.9	160.6	56.3	50.3	40.0	33.3	29.6	28.9	28.9	29.6
67.5°	1028.2	790.6	124.4	54.0	51.8	40.0	31.1	27.4	25.9	25.9	25.9
70°	968.2	666.9	79.2	50.3	49.6	41.5	29.6	25.2	23.7	22.9	22.9
72.5°	829.0	533.7	63.7	47.4	45.9	40.7	28.1	23.7	21.5	20.7	20.7
75°	664.7	421.2	55.5	42.9	40.0	34.1	25.9	21.5	20.0	18.5	18.5
77.5°	325.7	176.2	42.2	37.8	34.1	25.9	22.9	20.0	17.8	16.3	16.3
80°	81.4	61.4	31.1	29.6	25.2	20.0	18.5	17.0	15.5	14.1	14.1
82.5°	43.7	36.3	22.2	20.0	17.0	14.1	14.1	13.3	12.6	11.1	10.4
85°	22.2	21.5	14.8	13.3	11.1	8.9	9.6	9.6	8.9	6.7	6.7
87.5°	11.8	11.8	7.4	5.9	5.2	4.4	4.4	4.4	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)