

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: P671429

Luminaire Tested: **CCP-SA-2A-827-U-SL3**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671429
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-827-U-SL3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ SL3 distribution lens
Light Source: (32) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

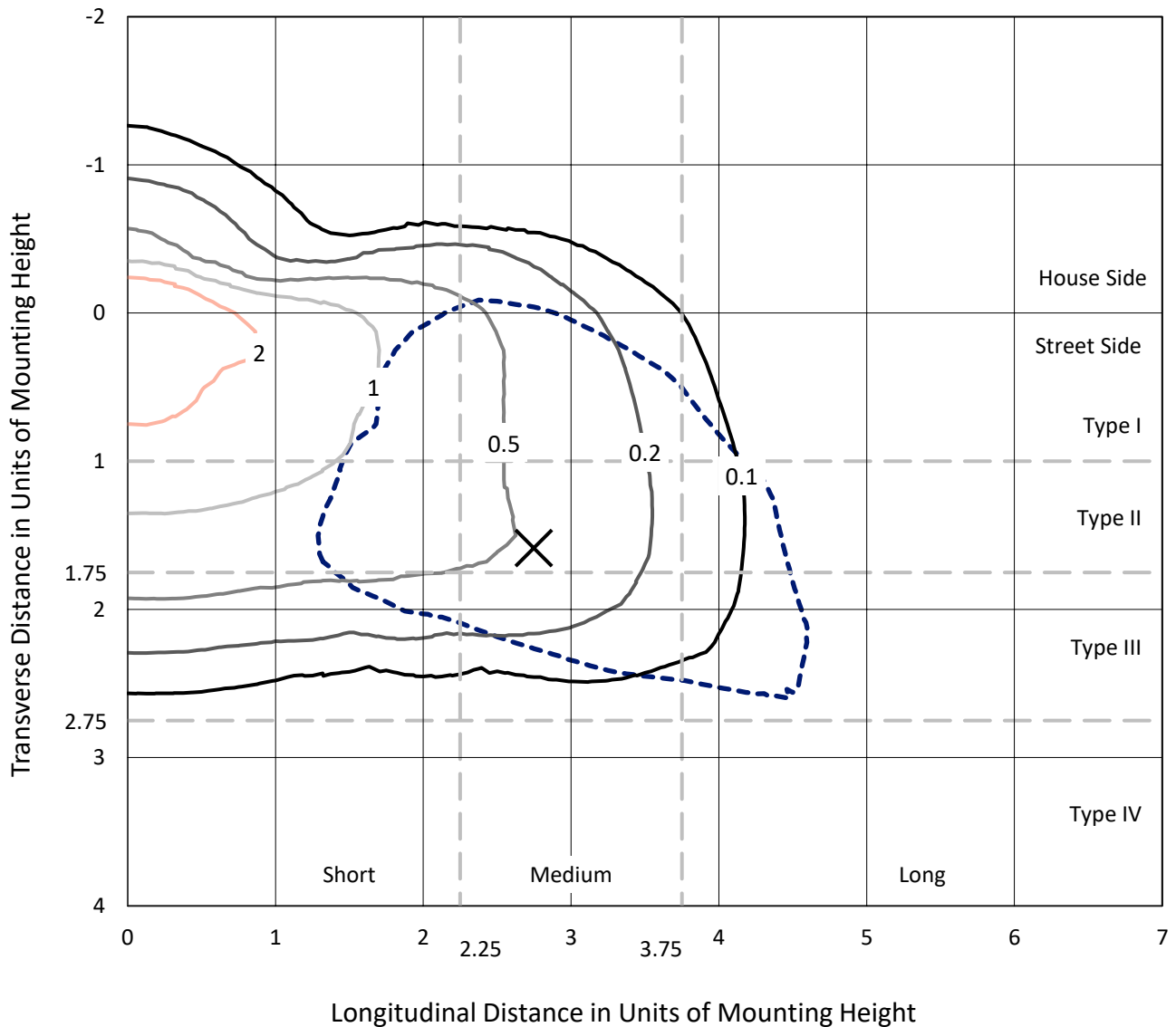
Lumens per Lamp: N/A
Luminaire Lumens: 3976.9 lumens
Efficiency: N/A
Efficacy: 109.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 36.2
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

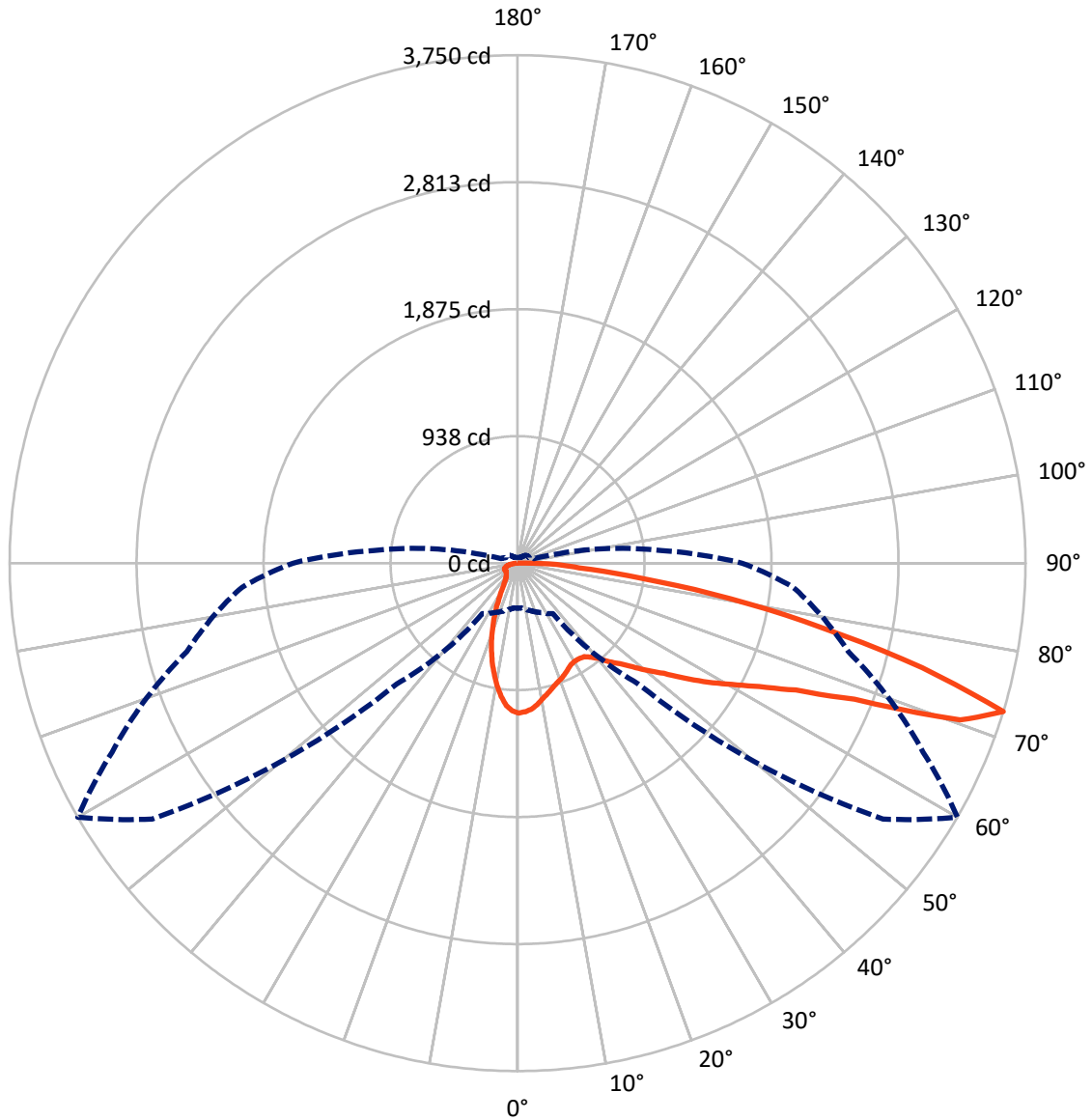
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.9 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	683.2	0.0	683.2
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	3293.7	0.0	3293.7
	% Fixture	82.8	0.0	82.8
Total	Lumens	3976.9	0.0	3976.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.0	2.4
10°-20°	217.7	5.5
20°-30°	278.6	7.0
30°-40°	356.3	9.0
40°-50°	488.7	12.3
50°-60°	706.9	17.8
60°-70°	969.7	24.4
70°-80°	727.7	18.3
80°-90°	135.3	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°	3976.9	100.0
0°-180°	3976.9	100.0



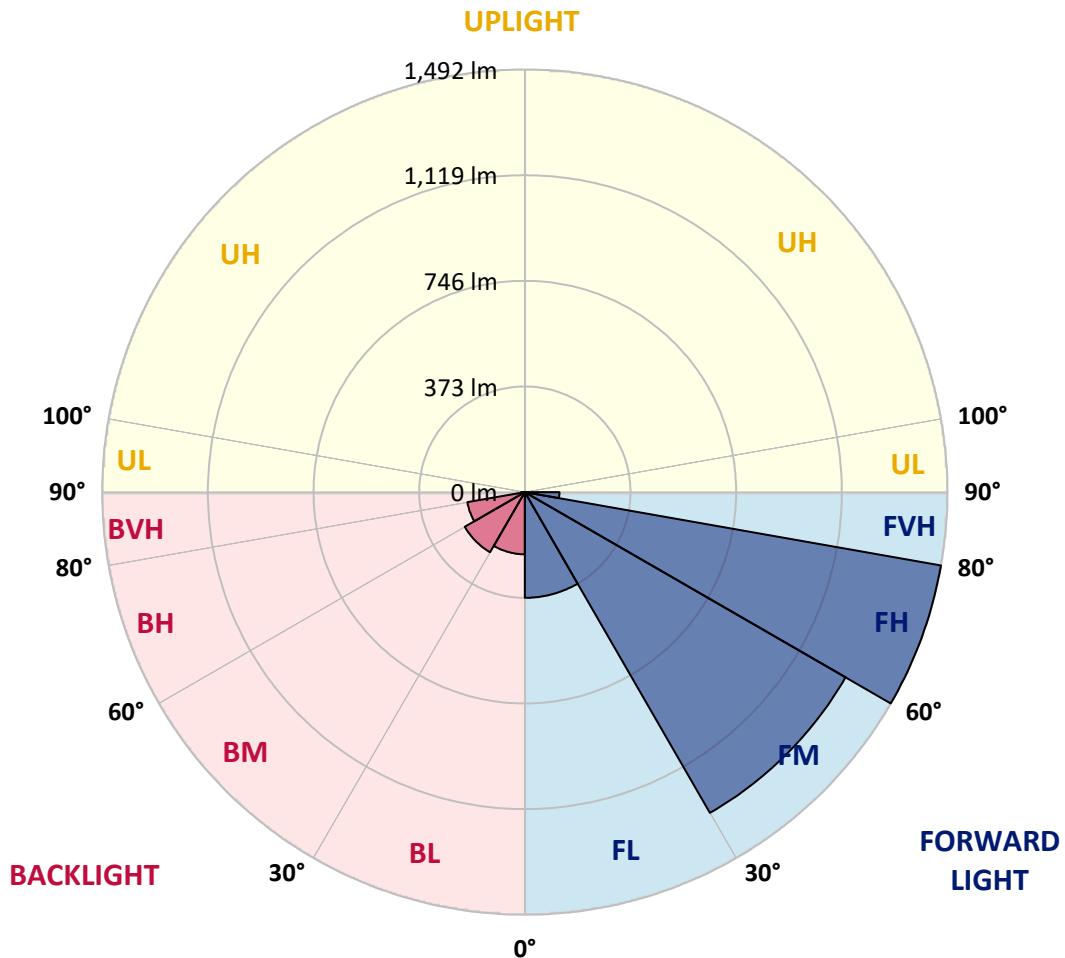
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	372.9	9.4			
FM (30°-60°)	1307.2	32.9			
FH (60°-80°)	1491.6	37.5			G1/1800
FVH (80°-90°)	122.1	3.1			G2/225
BL (0°-30°)	219.3	5.5	B1/500		
BM (30°-60°)	244.8	6.2	B1/1000		
BH (60°-80°)	205.9	5.2	B1/500		G1/500
BVH (80°-90°)	13.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1107.4	1107.4	1107.4	1107.4	1107.4	1107.4	1107.4	1107.4	1107.4	1107.4	1107.4
2.5°	1083.7	1094.0	1097.0	1097.0	1105.9	1095.5	1110.3	1098.5	1101.4	1105.9	1102.9
5°	1031.9	1049.6	1039.3	1058.5	1051.1	1064.4	1082.2	1082.2	1077.8	1086.6	1079.2
7.5°	981.5	975.6	993.4	993.4	1005.2	1023.0	1037.8	1052.6	1054.1	1057.0	1055.6
10°	913.4	920.8	929.7	941.6	956.4	974.1	1005.2	1017.1	1020.0	1037.8	1033.3
12.5°	857.2	867.5	873.5	897.1	910.5	935.6	971.2	987.5	988.9	1014.1	1014.1
15°	815.7	821.6	835.0	843.9	873.5	909.0	943.0	957.8	974.1	1000.8	993.4
17.5°	787.6	795.0	800.9	812.8	840.9	870.5	923.8	932.7	951.9	990.4	981.5
20°	771.3	772.8	781.7	789.1	814.2	842.4	889.7	913.4	938.6	972.7	963.8
22.5°	774.3	768.3	766.9	777.2	781.7	808.3	866.1	891.2	926.8	966.7	951.9
25°	780.2	781.7	778.7	769.8	771.3	795.0	833.5	866.1	906.0	965.2	935.6
27.5°	795.0	802.4	790.6	781.7	772.8	781.7	821.6	845.3	889.7	972.7	934.2
30°	809.8	817.2	814.2	800.9	783.2	780.2	808.3	837.9	880.9	978.6	934.2
32.5°	832.0	842.4	832.0	836.4	815.7	802.4	812.8	839.4	889.7	999.3	935.6
35°	857.2	866.1	869.0	858.7	854.2	829.0	835.0	848.3	898.6	1023.0	950.4
37.5°	885.3	895.7	904.6	906.0	891.2	876.4	873.5	880.9	920.8	1064.4	966.7
40°	904.6	910.5	928.2	943.0	947.5	926.8	925.3	925.3	960.8	1101.4	996.3
42.5°	937.1	934.2	959.3	986.0	993.4	981.5	984.5	996.3	1017.1	1154.7	1043.7
45°	953.4	950.4	980.1	1024.5	1058.5	1052.6	1055.6	1060.0	1079.2	1239.1	1123.7
47.5°	975.6	978.6	1021.5	1071.8	1107.4	1128.1	1144.4	1142.9	1157.7	1325.0	1212.5
50°	997.8	1003.7	1055.6	1108.9	1171.0	1206.6	1230.2	1246.5	1261.3	1415.3	1314.6
52.5°	1040.8	1046.7	1104.4	1162.1	1242.1	1293.9	1353.1	1351.6	1353.1	1505.6	1416.8
55°	1102.9	1104.4	1138.5	1205.1	1313.2	1407.9	1489.3	1498.2	1473.0	1618.1	1533.7
57.5°	1174.0	1179.9	1209.5	1259.9	1369.4	1517.5	1641.8	1659.6	1591.5	1709.9	1640.3
60°	1240.6	1245.1	1290.9	1348.7	1467.1	1655.1	1795.8	1816.5	1742.5	1822.4	1751.4
62.5°	1165.1	1187.3	1268.7	1400.5	1638.8	1863.9	1991.2	2004.5	1889.0	1936.4	1869.8
65°	932.7	947.5	1064.4	1277.6	1650.7	2242.9	2293.2	2257.7	2090.4	2083.0	2048.9
67.5°	519.6	531.5	611.4	835.0	1390.1	2385.0	2943.1	2682.6	2402.8	2303.6	2291.7
70°	410.1	413.0	423.4	469.3	771.3	2102.2	3455.4	3467.2	2913.5	2607.1	2343.5
72.5°	333.1	331.6	362.7	402.7	456.0	1261.3	3294.0	3750.0	3304.3	2527.1	2041.5
75°	254.6	259.1	299.0	356.8	417.5	593.7	2457.5	3085.2	3095.6	2355.4	1721.8
77.5°	193.9	195.4	239.8	315.3	408.6	419.0	1603.3	2299.1	2309.5	1823.9	949.0
80°	145.1	145.1	182.1	266.5	398.2	386.4	987.5	1594.4	1443.4	641.0	207.3
82.5°	82.9	88.8	121.4	202.8	361.2	371.6	556.6	913.4	609.9	174.7	96.2
85°	44.4	45.9	74.0	136.2	297.6	355.3	424.9	454.5	242.8	93.3	44.4
87.5°	16.3	16.3	34.1	69.6	188.0	263.5	337.5	290.2	139.2	42.9	22.2
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°	1107.4	1107.4	1107.4	1107.4	1107.4	1107.4	1107.4	1107.4	1107.4	1107.4	1107.4
2.5°	1105.9	1100.0	1095.5	1100.0	1083.7	1076.3	1085.2	1080.7	1071.8	1067.4	1064.4
5°	1083.7	1076.3	1068.9	1064.4	1046.7	1028.9	1020.0	1002.3	987.5	991.9	983.0
7.5°	1060.0	1052.6	1030.4	1009.7	974.1	938.6	922.3	897.1	888.3	880.9	876.4
10°	1030.4	1017.1	983.0	941.6	889.7	849.8	808.3	778.7	747.6	734.3	738.7
12.5°	993.4	986.0	932.7	869.0	796.5	729.9	681.0	633.6	592.2	570.0	564.0
15°	977.1	954.9	877.9	793.5	701.7	618.8	546.3	463.4	414.5	390.8	390.8
17.5°	959.3	917.9	826.1	710.6	605.5	498.9	396.8	321.3	282.8	269.4	269.4
20°	931.2	885.3	765.4	632.1	504.8	376.0	284.2	242.8	230.9	222.1	223.5
22.5°	910.5	854.2	709.1	555.2	399.7	279.8	223.5	210.2	205.8	202.8	204.3
25°	886.8	817.2	649.9	472.3	313.9	220.6	193.9	188.0	191.0	192.5	192.5
27.5°	867.5	786.1	589.2	383.4	236.9	186.5	174.7	173.2	179.1	182.1	183.6
30°	854.2	758.0	530.0	302.0	189.5	165.8	159.9	159.9	167.3	170.3	171.7
32.5°	840.9	734.3	466.3	230.9	161.4	148.0	146.6	148.0	152.5	152.5	154.0
35°	845.3	712.1	405.6	186.5	145.1	136.2	136.2	136.2	137.7	139.2	139.2
37.5°	854.2	706.2	340.5	156.9	133.2	127.3	127.3	125.8	127.3	125.8	127.3
40°	863.1	697.3	281.3	139.2	125.8	121.4	119.9	117.0	115.5	115.5	117.0
42.5°	900.1	709.1	230.9	127.3	119.9	117.0	112.5	109.6	108.1	108.1	108.1
45°	947.5	731.3	191.0	121.4	115.5	108.1	105.1	103.6	100.7	102.2	103.6
47.5°	1018.5	765.4	167.3	117.0	111.0	102.2	99.2	96.2	96.2	99.2	99.2
50°	1111.8	821.6	152.5	112.5	106.6	97.7	93.3	91.8	91.8	96.2	96.2
52.5°	1212.5	886.8	146.6	111.0	102.2	93.3	88.8	87.3	87.3	93.3	93.3
55°	1313.2	966.7	151.0	111.0	99.2	88.8	84.4	81.4	82.9	87.3	87.3
57.5°	1424.2	1052.6	173.2	111.0	96.2	87.3	81.4	77.0	78.5	79.9	79.9
60°	1545.6	1165.1	211.7	111.0	94.7	84.4	77.0	71.1	71.1	72.5	72.5
62.5°	1668.5	1276.1	266.5	112.5	96.2	82.9	71.1	65.1	63.7	65.1	65.1
65°	1829.8	1453.8	321.3	112.5	100.7	79.9	66.6	59.2	57.7	57.7	59.2
67.5°	2056.3	1581.1	248.7	108.1	103.6	79.9	62.2	54.8	51.8	51.8	51.8
70°	1936.4	1333.9	158.4	100.7	99.2	82.9	59.2	50.3	47.4	45.9	45.9
72.5°	1658.1	1067.4	127.3	94.7	91.8	81.4	56.3	47.4	42.9	41.5	41.5
75°	1329.4	842.4	111.0	85.9	79.9	68.1	51.8	42.9	40.0	37.0	37.0
77.5°	651.4	352.3	84.4	75.5	68.1	51.8	45.9	40.0	35.5	32.6	32.6
80°	162.8	122.9	62.2	59.2	50.3	40.0	37.0	34.1	31.1	28.1	28.1
82.5°	87.3	72.5	44.4	40.0	34.1	28.1	28.1	26.6	25.2	22.2	20.7
85°	44.4	42.9	29.6	26.6	22.2	17.8	19.2	19.2	17.8	13.3	13.3
87.5°	23.7	23.7	14.8	11.8	10.4	8.9	8.9	8.9	7.4	5.9	5.9
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)