

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: P672132

Luminaire Tested: **CCP-SA-1A-760-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672132
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-760-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T2R distribution lens
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

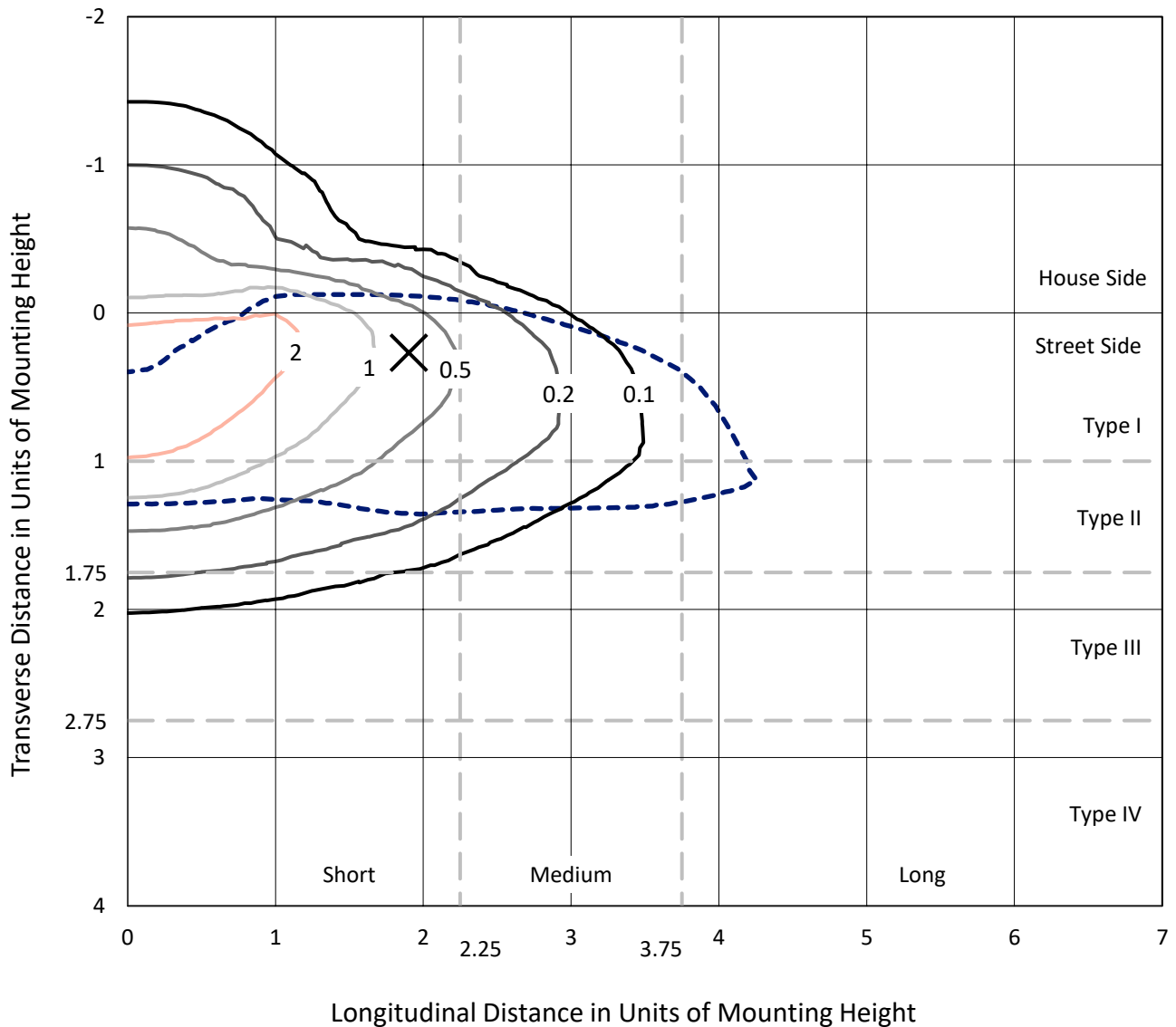
Lumens per Lamp: N/A
Luminaire Lumens: 2842.6 lumens
Efficiency: N/A
Efficacy: 157.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

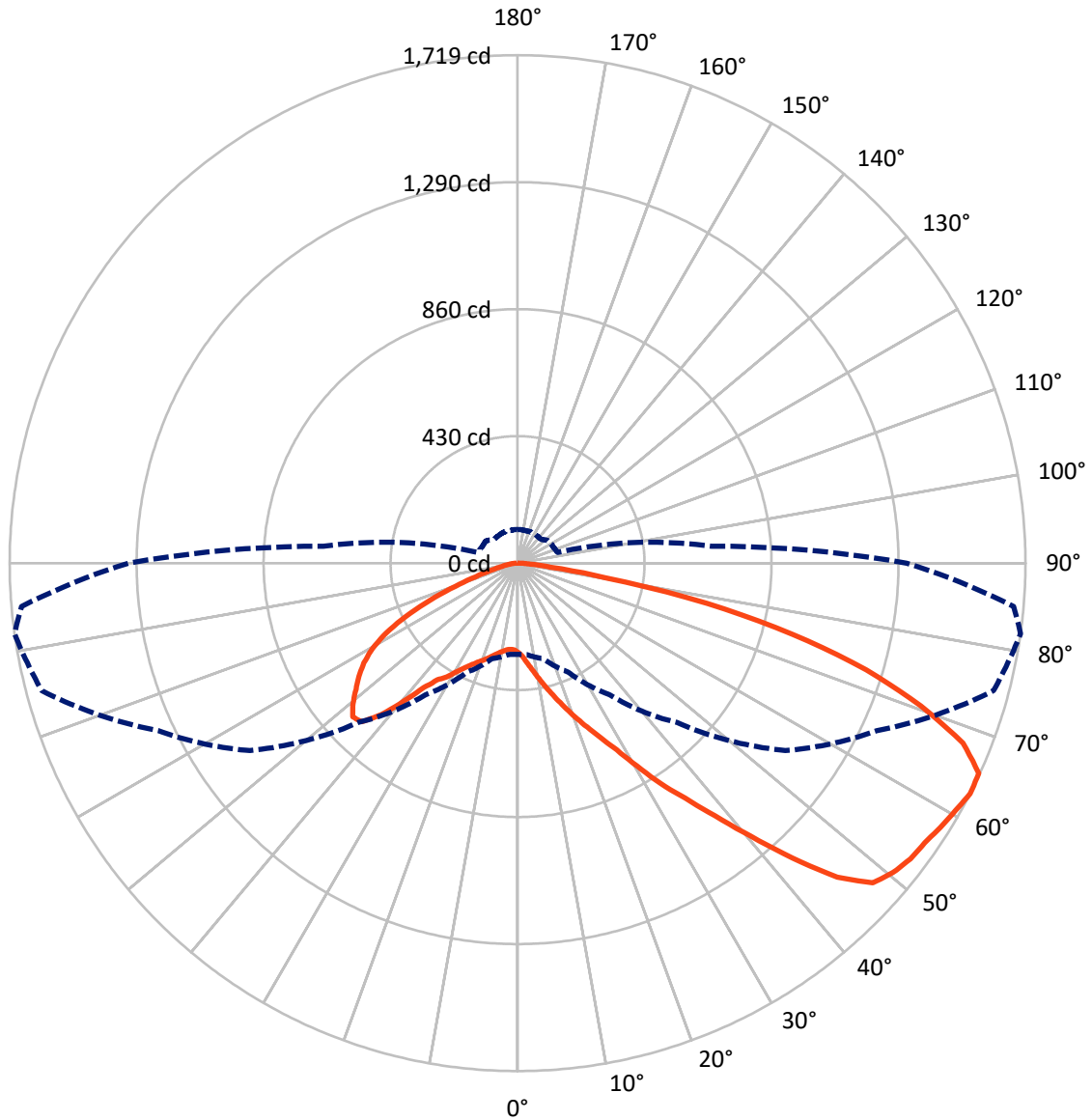
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	535.5	0.0	535.5
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	2307.0	0.0	2307.0
	% Fixture	81.2	0.0	81.2
Total	Lumens	2842.6	0.0	2842.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.4	1.2
10°-20°	126.2	4.4
20°-30°	261.3	9.2
30°-40°	443.5	15.6
40°-50°	603.9	21.2
50°-60°	611.3	21.5
60°-70°	481.8	16.9
70°-80°	237.3	8.3
80°-90°	43.9	1.5
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°	2842.6	100.0
0°-180°	2842.6	100.0



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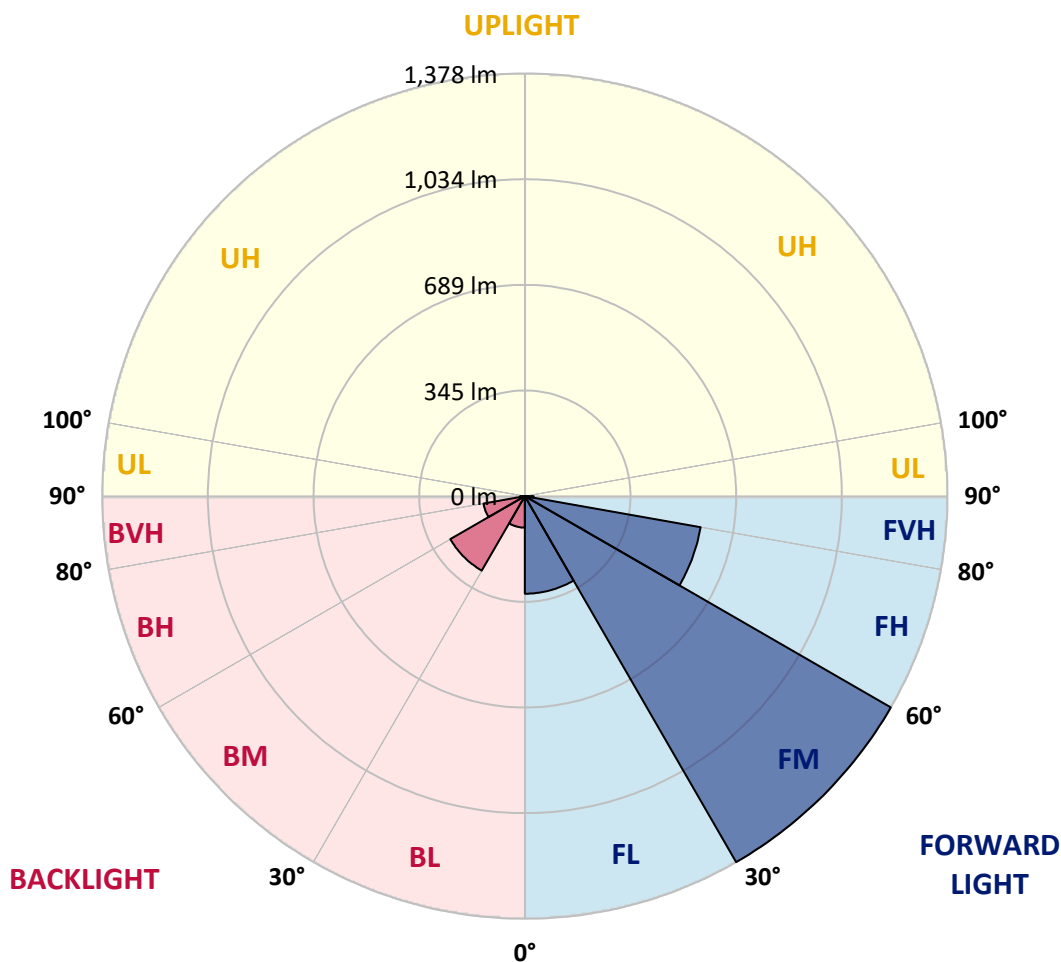
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	318.1	11.2			
FM (30°-60°)	1378.2	48.5			
FH (60°-80°)	582.2	20.5			G0/660
FVH (80°-90°)	28.5	1.0			G1/100
BL (0°-30°)	102.8	3.6	B0/110		
BM (30°-60°)	280.5	9.9	B1/1000		
BH (60°-80°)	136.9	4.8	B1/500		G1/500
BVH (80°-90°)	15.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	302.3	302.3	302.3	302.3	302.3	302.3	302.3	302.3	302.3	302.3	302.3
2.5°	402.6	396.4	393.2	389.5	379.2	372.7	360.4	346.1	329.5	315.4	312.7
5°	487.5	481.4	482.2	473.2	458.2	444.3	421.4	394.4	362.9	338.7	330.3
7.5°	547.5	540.7	542.4	538.7	526.6	511.3	482.2	447.4	401.3	365.5	352.0
10°	587.6	588.4	589.6	588.2	580.4	569.6	540.7	502.2	444.9	397.3	378.8
12.5°	633.0	635.3	634.9	635.5	631.4	622.8	594.5	558.3	491.4	431.4	407.5
15°	690.9	688.7	690.5	693.2	688.7	679.3	654.3	611.3	540.1	469.5	439.8
17.5°	754.4	749.7	754.6	751.9	748.7	742.5	715.1	669.3	590.5	510.6	475.8
20°	809.2	806.2	808.8	809.2	809.9	808.6	780.4	731.7	643.3	555.5	514.7
22.5°	870.8	869.4	869.0	869.2	869.8	871.3	852.0	800.0	701.8	602.5	556.7
25°	957.0	955.6	946.2	935.7	929.6	934.1	924.1	877.6	766.5	655.3	602.7
27.5°	1053.6	1051.4	1038.9	1012.5	992.8	996.1	995.1	963.1	841.0	715.9	658.0
30°	1153.9	1148.4	1131.2	1094.1	1063.2	1057.5	1060.4	1049.7	934.7	796.3	734.9
32.5°	1243.3	1233.1	1210.4	1172.9	1136.1	1119.5	1119.9	1124.6	1036.6	890.1	815.6
35°	1298.0	1291.2	1274.2	1236.4	1195.2	1184.2	1181.1	1204.7	1130.2	976.9	887.8
37.5°	1327.5	1320.9	1302.7	1272.2	1241.1	1236.6	1242.3	1278.7	1236.4	1085.1	986.1
40°	1322.1	1315.2	1303.3	1282.0	1261.5	1265.0	1290.4	1346.7	1352.4	1214.7	1126.1
42.5°	1278.3	1271.0	1269.9	1268.5	1258.9	1274.2	1320.1	1396.4	1459.0	1364.3	1295.5
45°	1201.0	1196.5	1201.8	1226.3	1238.4	1268.1	1334.0	1420.6	1552.8	1516.4	1455.8
47.5°	1102.9	1100.3	1112.3	1151.2	1190.3	1249.3	1343.2	1427.1	1617.3	1617.3	1560.8
50°	993.2	992.2	1008.2	1064.7	1125.9	1214.7	1342.2	1433.3	1645.5	1646.9	1597.8
52.5°	840.1	845.5	888.0	962.5	1045.6	1160.4	1327.9	1450.5	1661.5	1664.7	1622.6
55°	663.7	668.8	733.1	833.4	939.8	1094.5	1285.1	1445.3	1664.5	1671.9	1636.7
57.5°	529.9	530.9	571.0	690.1	821.9	1010.2	1235.8	1411.4	1655.5	1687.7	1658.4
60°	414.6	417.9	444.7	539.1	685.2	901.5	1180.7	1377.8	1660.6	1702.6	1678.0
62.5°	308.8	309.7	334.6	407.7	544.4	763.0	1106.0	1342.0	1667.8	1719.4	1686.0
65°	201.2	201.0	225.1	291.0	406.7	613.4	988.7	1285.9	1668.4	1715.7	1649.4
67.5°	127.9	128.7	139.2	180.7	272.2	462.9	829.1	1181.7	1639.4	1626.5	1515.9
70°	103.8	104.0	107.2	118.1	165.8	316.4	623.2	1018.8	1547.5	1448.6	1317.6
72.5°	92.5	92.7	94.4	95.6	110.5	190.1	408.9	827.3	1384.1	1234.7	1093.1
75°	83.1	83.1	84.1	82.9	90.7	119.3	232.1	622.0	1140.0	961.5	825.8
77.5°	72.9	72.7	72.7	72.0	78.4	87.2	116.2	434.1	821.1	655.7	535.6
80°	61.8	61.4	62.0	61.6	67.7	66.1	67.7	267.9	445.1	300.7	228.0
82.5°	48.1	48.1	49.9	50.3	55.9	47.9	47.7	127.1	169.1	112.4	84.1
85°	25.2	28.2	38.1	39.7	42.2	30.1	35.0	59.4	67.7	43.0	30.7
87.5°	7.6	8.0	23.3	26.2	26.0	15.1	21.5	28.7	31.7	19.0	12.5
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°	302.3	302.3	302.3	302.3	302.3	302.3	302.3	302.3	302.3	302.3	302.3
2.5°	306.0	298.8	283.7	270.2	259.9	250.1	243.3	239.9	235.4	236.0	234.5
5°	315.4	300.7	273.8	252.1	237.6	226.6	219.8	216.3	213.1	211.4	212.6
7.5°	329.5	306.6	269.1	242.9	227.8	218.4	214.7	213.7	212.9	212.2	213.3
10°	347.7	317.0	268.3	239.7	225.7	220.0	218.6	218.0	217.1	216.3	216.9
12.5°	366.3	328.5	271.2	240.5	229.0	224.7	222.9	222.1	220.0	219.0	219.2
15°	389.7	342.4	275.1	243.8	233.3	227.8	225.3	223.1	219.8	218.4	219.0
17.5°	414.6	359.0	280.4	246.8	235.0	228.2	223.3	220.0	216.7	214.7	214.9
20°	442.9	375.4	285.1	247.8	234.1	224.7	218.8	214.9	210.6	208.3	207.7
22.5°	472.2	392.5	288.8	247.0	229.6	218.8	212.0	207.3	202.2	198.7	198.9
25°	507.8	415.9	291.9	244.2	223.7	211.0	203.4	197.5	192.2	188.9	189.1
27.5°	550.5	442.3	295.5	239.7	216.5	202.6	193.8	187.9	182.8	179.7	179.3
30°	607.6	476.7	299.6	234.1	207.5	193.4	184.8	178.7	173.8	170.9	170.9
32.5°	671.9	518.6	302.5	227.6	197.5	183.6	175.8	170.9	167.2	163.3	162.9
35°	727.8	551.2	311.3	222.5	188.7	174.4	169.1	165.6	160.0	156.4	155.7
37.5°	809.9	608.5	337.3	221.0	178.1	167.2	166.2	159.6	153.3	146.3	145.7
40°	942.1	707.7	367.6	214.1	167.0	163.3	162.3	153.5	138.6	134.3	133.4
42.5°	1110.3	827.3	370.9	193.8	159.2	160.0	157.0	139.8	133.2	130.0	129.1
45°	1262.2	924.3	352.2	173.1	153.5	155.1	148.8	134.7	131.0	127.9	127.1
47.5°	1347.5	954.1	317.0	157.6	149.2	150.8	135.7	132.2	128.5	125.5	124.6
50°	1371.5	928.2	276.1	148.6	145.9	146.5	132.2	130.2	126.9	124.4	123.2
52.5°	1376.2	889.3	238.2	143.3	143.5	137.9	129.1	127.5	125.5	121.6	120.1
55°	1378.2	854.3	204.3	140.0	141.8	126.9	125.9	124.6	123.0	118.9	118.1
57.5°	1383.5	809.4	177.6	137.5	139.8	121.8	122.2	121.4	119.3	117.5	117.1
60°	1368.4	747.4	157.2	135.1	136.9	117.5	117.9	118.3	116.5	116.0	115.8
62.5°	1317.6	659.4	139.8	131.8	131.0	113.2	113.2	114.8	113.2	113.8	113.8
65°	1213.0	547.3	124.2	125.7	121.8	108.5	108.3	111.1	108.7	111.3	111.5
67.5°	1034.8	414.2	108.3	116.0	112.2	103.6	104.4	106.6	103.4	108.9	108.9
70°	819.1	281.8	91.7	102.5	102.3	98.0	100.7	100.5	96.8	105.0	103.6
72.5°	610.1	180.9	74.7	86.0	89.4	92.1	97.0	92.7	89.2	93.9	89.6
75°	426.3	113.4	58.9	67.9	74.5	85.5	92.5	83.9	78.8	77.4	76.1
77.5°	255.2	72.5	46.5	51.8	58.1	77.8	86.8	74.7	66.9	66.1	63.7
80°	117.7	47.3	35.4	38.7	41.3	66.7	79.0	63.9	54.4	53.6	50.8
82.5°	53.2	31.1	26.4	27.6	27.8	53.0	66.7	50.6	41.5	67.3	58.3
85°	24.8	20.1	17.2	16.4	16.6	35.4	48.5	34.8	47.3	36.8	28.0
87.5°	10.6	10.2	8.8	7.0	6.3	7.6	18.6	14.5	20.7	8.2	5.5
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)