

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: P675600

Luminaire Tested: **CCW-SA-1C-830-U-SL3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675600
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-830-U-SL3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
SL3 distribution lens
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

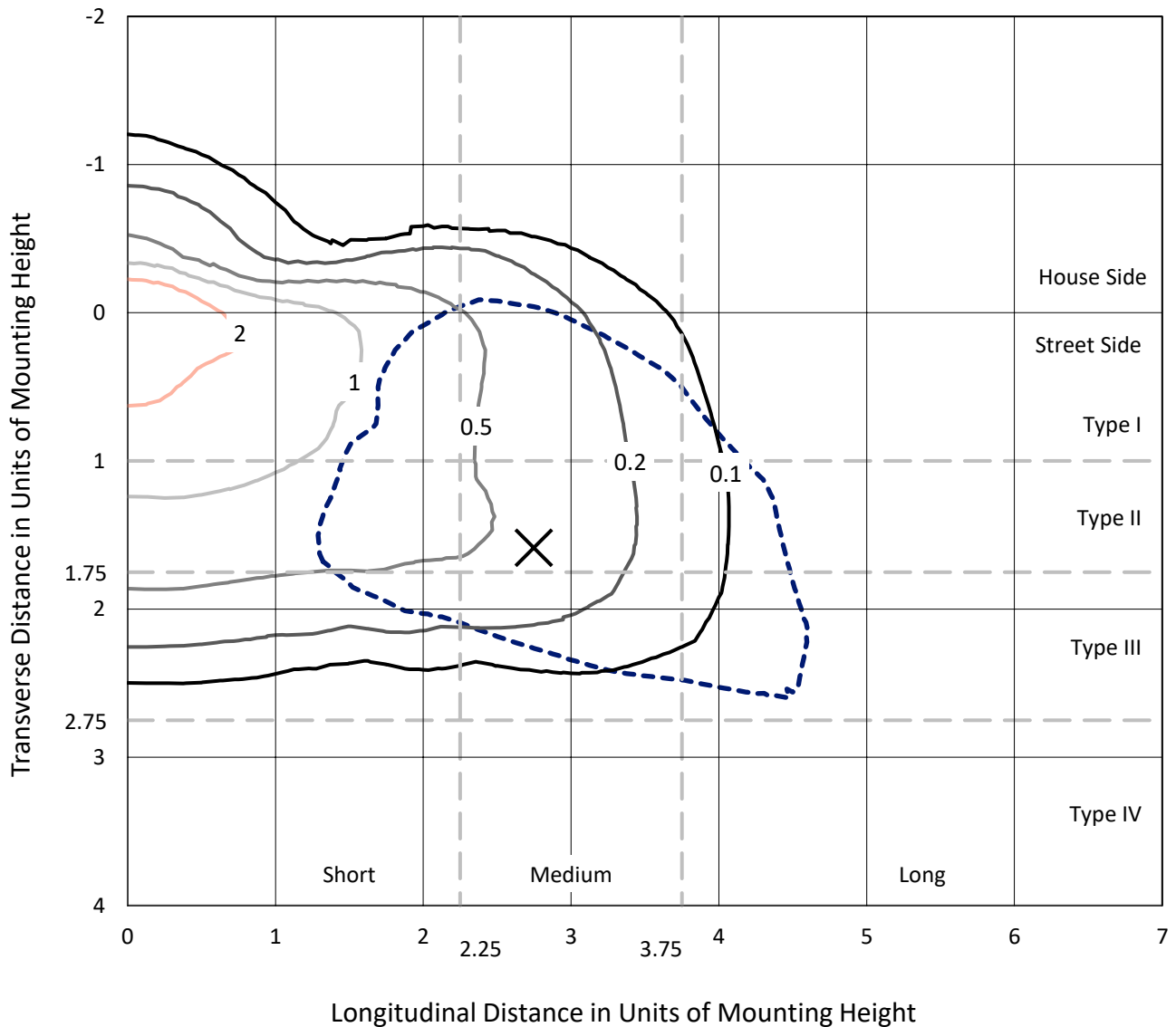
Lumens per Lamp: N/A
Luminaire Lumens: 3552.1 lumens
Efficiency: N/A
Efficacy: 111.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 32
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

REPORT NUMBER: P675600
 CATALOG NUMBER: CCW-SA-1C-830-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

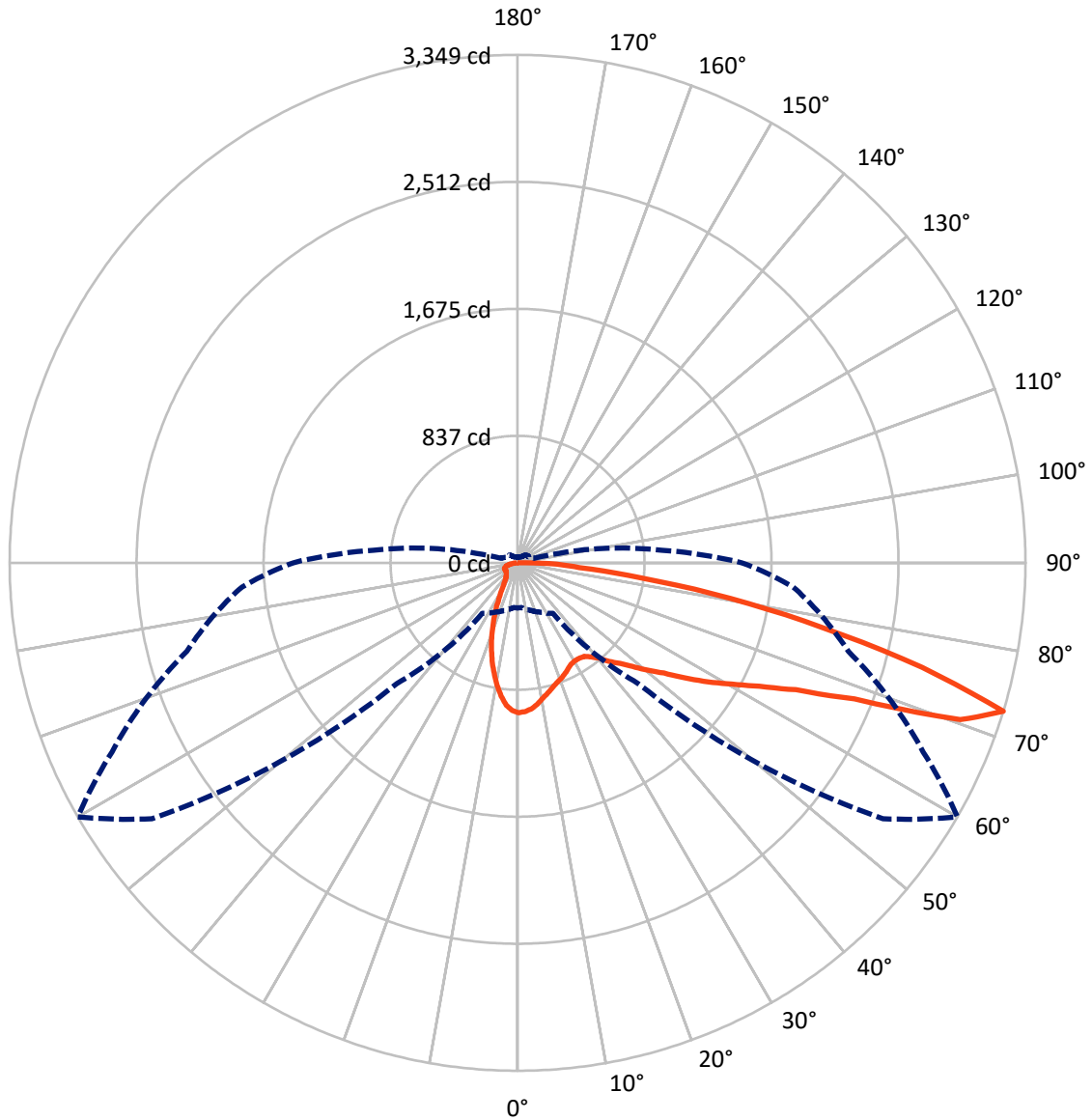
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.4 fc
 Type III - Medium - N/A

REPORT NUMBER: P675600
CATALOG NUMBER: CCW-SA-1C-830-U-SL3

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P675600
 CATALOG NUMBER: CCW-SA-1C-830-U-SL3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	610.2	0.0	610.2
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	2942.0	0.0	2942.0
	% Fixture	82.8	0.0	82.8
Total	Lumens	3552.1	0.0	3552.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.7	2.4
10°-20°	194.4	5.5
20°-30°	248.8	7.0
30°-40°	318.3	9.0
40°-50°	436.5	12.3
50°-60°	631.4	17.8
60°-70°	866.2	24.4
70°-80°	650.0	18.3
80°-90°	120.8	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°	3552.1	100.0
0°-180°	3552.1	100.0

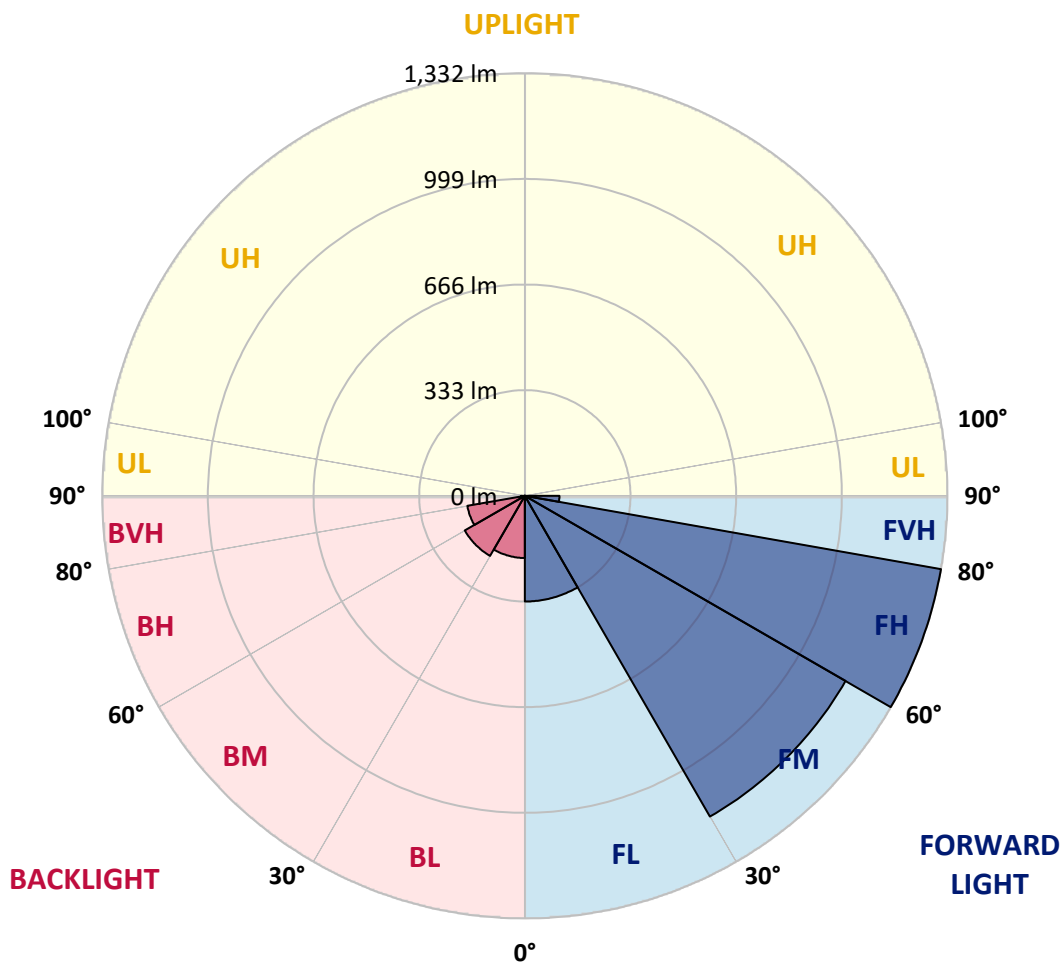


REPORT NUMBER: P675600
 CATALOG NUMBER: CCW-SA-1C-830-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	333.1	9.4			
FM (30°-60°)	1167.6	32.9			
FH (60°-80°)	1332.3	37.5			G1/1800
FVH (80°-90°)	109.0	3.1			G2/225
BL (0°-30°)	195.9	5.5	B1/500		
BM (30°-60°)	218.7	6.2	B0/220		
BH (60°-80°)	183.9	5.2	B1/500		G1/500
BVH (80°-90°)	11.8	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





REPORT NUMBER: P675600

CATALOG NUMBER: CCW-SA-1C-830-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	989.1	989.1	989.1	989.1	989.1	989.1	989.1	989.1	989.1	989.1	989.1
2.5°	967.9	977.2	979.8	979.8	987.8	978.5	991.7	981.2	983.8	987.8	985.1
5°	921.7	937.5	928.3	945.5	938.8	950.7	966.6	966.6	962.6	970.6	964.0
7.5°	876.7	871.4	887.3	887.3	897.9	913.7	926.9	940.2	941.5	944.1	942.8
10°	815.9	822.5	830.4	841.0	854.2	870.1	897.9	908.4	911.1	926.9	923.0
12.5°	765.6	774.9	780.2	801.3	813.2	835.7	867.4	882.0	883.3	905.8	905.8
15°	728.6	733.9	745.8	753.7	780.2	811.9	842.3	855.5	870.1	893.9	887.3
17.5°	703.5	710.1	715.4	726.0	751.1	777.5	825.1	833.1	850.3	884.6	876.7
20°	688.9	690.3	698.2	704.8	727.3	752.4	794.7	815.9	838.4	868.8	860.8
22.5°	691.6	686.3	685.0	694.2	698.2	722.0	773.6	796.0	827.8	863.5	850.3
25°	696.9	698.2	695.5	687.6	688.9	710.1	744.5	773.6	809.3	862.2	835.7
27.5°	710.1	716.7	706.1	698.2	690.3	698.2	733.9	755.0	794.7	868.8	834.4
30°	723.3	729.9	727.3	715.4	699.5	696.9	722.0	748.4	786.8	874.1	834.4
32.5°	743.1	752.4	743.1	747.1	728.6	716.7	726.0	749.8	794.7	892.6	835.7
35°	765.6	773.6	776.2	766.9	763.0	740.5	745.8	757.7	802.6	913.7	848.9
37.5°	790.7	800.0	807.9	809.3	796.0	782.8	780.2	786.8	822.5	950.7	863.5
40°	807.9	813.2	829.1	842.3	846.3	827.8	826.5	826.5	858.2	983.8	889.9
42.5°	837.0	834.4	856.9	880.7	887.3	876.7	879.3	889.9	908.4	1031.4	932.2
45°	851.6	848.9	875.4	915.0	945.5	940.2	942.8	946.8	964.0	1106.8	1003.6
47.5°	871.4	874.1	912.4	957.4	989.1	1007.6	1022.2	1020.8	1034.1	1183.5	1083.0
50°	891.2	896.5	942.8	990.4	1046.0	1077.7	1098.8	1113.4	1126.6	1264.1	1174.2
52.5°	929.6	934.9	986.5	1038.0	1109.4	1155.7	1208.6	1207.3	1208.6	1344.8	1265.5
55°	985.1	986.5	1016.9	1076.4	1172.9	1257.5	1330.3	1338.2	1315.7	1445.3	1369.9
57.5°	1048.6	1053.9	1080.3	1125.3	1223.1	1355.4	1466.5	1482.3	1421.5	1527.3	1465.1
60°	1108.1	1112.1	1153.1	1204.6	1310.4	1478.4	1604.0	1622.5	1556.4	1627.8	1564.3
62.5°	1040.7	1060.5	1133.2	1250.9	1463.8	1664.8	1778.5	1790.4	1687.3	1729.6	1670.1
65°	833.1	846.3	950.7	1141.2	1474.4	2003.3	2048.3	2016.5	1867.1	1860.5	1830.1
67.5°	464.1	474.7	546.1	745.8	1241.7	2130.3	2628.8	2396.0	2146.1	2057.5	2047.0
70°	366.3	368.9	378.2	419.2	688.9	1877.7	3086.3	3096.9	2602.3	2328.6	2093.2
72.5°	297.5	296.2	324.0	359.7	407.3	1126.6	2942.2	3349.4	2951.4	2257.2	1823.5
75°	227.4	231.4	267.1	318.7	372.9	530.3	2195.1	2755.7	2765.0	2103.8	1537.9
77.5°	173.2	174.5	214.2	281.7	365.0	374.2	1432.1	2053.6	2062.8	1629.1	847.6
80°	129.6	129.6	162.6	238.0	355.7	345.1	882.0	1424.1	1289.3	572.6	185.1
82.5°	74.0	79.3	108.4	181.2	322.6	331.9	497.2	815.9	544.8	156.0	86.0
85°	39.7	41.0	66.1	121.7	265.8	317.4	379.5	406.0	216.9	83.3	39.7
87.5°	14.5	14.5	30.4	62.1	167.9	235.4	301.5	259.2	124.3	38.3	19.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P675600
 CATALOG NUMBER: CCW-SA-1C-830-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	989.1	989.1	989.1	989.1	989.1	989.1	989.1	989.1	989.1	989.1	989.1
2.5°	987.8	982.5	978.5	982.5	967.9	961.3	969.3	965.3	957.4	953.4	950.7
5°	967.9	961.3	954.7	950.7	934.9	919.0	911.1	895.2	882.0	886.0	878.0
7.5°	946.8	940.2	920.3	901.8	870.1	838.4	823.8	801.3	793.4	786.8	782.8
10°	920.3	908.4	878.0	841.0	794.7	759.0	722.0	695.5	667.8	655.9	659.8
12.5°	887.3	880.7	833.1	776.2	711.4	651.9	608.3	566.0	528.9	509.1	503.8
15°	872.7	852.9	784.1	708.8	626.8	552.7	487.9	413.9	370.2	349.1	349.1
17.5°	856.9	819.8	737.9	634.7	540.8	445.6	354.4	286.9	252.6	240.7	240.7
20°	831.7	790.7	683.6	564.6	450.9	335.9	253.9	216.9	206.3	198.3	199.7
22.5°	813.2	763.0	633.4	495.9	357.0	249.9	199.7	187.8	183.8	181.2	182.5
25°	792.1	729.9	580.5	421.8	280.3	197.0	173.2	167.9	170.6	171.9	171.9
27.5°	774.9	702.2	526.3	342.5	211.6	166.6	156.0	154.7	160.0	162.6	164.0
30°	763.0	677.0	473.4	269.8	169.3	148.1	142.8	142.8	149.4	152.1	153.4
32.5°	751.1	655.9	416.5	206.3	144.1	132.2	130.9	132.2	136.2	136.2	137.5
35°	755.0	636.0	362.3	166.6	129.6	121.7	121.7	121.7	123.0	124.3	124.3
37.5°	763.0	630.7	304.1	140.2	119.0	113.7	113.7	112.4	113.7	112.4	113.7
40°	770.9	622.8	251.2	124.3	112.4	108.4	107.1	104.5	103.1	103.1	104.5
42.5°	804.0	633.4	206.3	113.7	107.1	104.5	100.5	97.9	96.5	96.5	96.5
45°	846.3	653.2	170.6	108.4	103.1	96.5	93.9	92.6	89.9	91.2	92.6
47.5°	909.8	683.6	149.4	104.5	99.2	91.2	88.6	86.0	86.0	88.6	88.6
50°	993.1	733.9	136.2	100.5	95.2	87.3	83.3	82.0	82.0	86.0	86.0
52.5°	1083.0	792.1	130.9	99.2	91.2	83.3	79.3	78.0	78.0	83.3	83.3
55°	1172.9	863.5	134.9	99.2	88.6	79.3	75.4	72.7	74.0	78.0	78.0
57.5°	1272.1	940.2	154.7	99.2	86.0	78.0	72.7	68.8	70.1	71.4	71.4
60°	1380.5	1040.7	189.1	99.2	84.6	75.4	68.8	63.5	63.5	64.8	64.8
62.5°	1490.3	1139.8	238.0	100.5	86.0	74.0	63.5	58.2	56.9	58.2	58.2
65°	1634.4	1298.5	286.9	100.5	89.9	71.4	59.5	52.9	51.6	51.6	52.9
67.5°	1836.7	1412.2	222.1	96.5	92.6	71.4	55.5	48.9	46.3	46.3	46.3
70°	1729.6	1191.4	141.5	89.9	88.6	74.0	52.9	45.0	42.3	41.0	41.0
72.5°	1481.0	953.4	113.7	84.6	82.0	72.7	50.2	42.3	38.3	37.0	37.0
75°	1187.4	752.4	99.2	76.7	71.4	60.8	46.3	38.3	35.7	33.1	33.1
77.5°	581.8	314.7	75.4	67.4	60.8	46.3	41.0	35.7	31.7	29.1	29.1
80°	145.5	109.8	55.5	52.9	45.0	35.7	33.1	30.4	27.8	25.1	25.1
82.5°	78.0	64.8	39.7	35.7	30.4	25.1	25.1	23.8	22.5	19.8	18.5
85°	39.7	38.3	26.4	23.8	19.8	15.9	17.2	17.2	15.9	11.9	11.9
87.5°	21.2	21.2	13.2	10.6	9.3	7.9	7.9	7.9	6.6	5.3	5.3
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)