

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: P671359

Luminaire Tested: **CCP-SA-1C-727-U-SL3**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671359
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-727-U-SL3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ SL3 distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

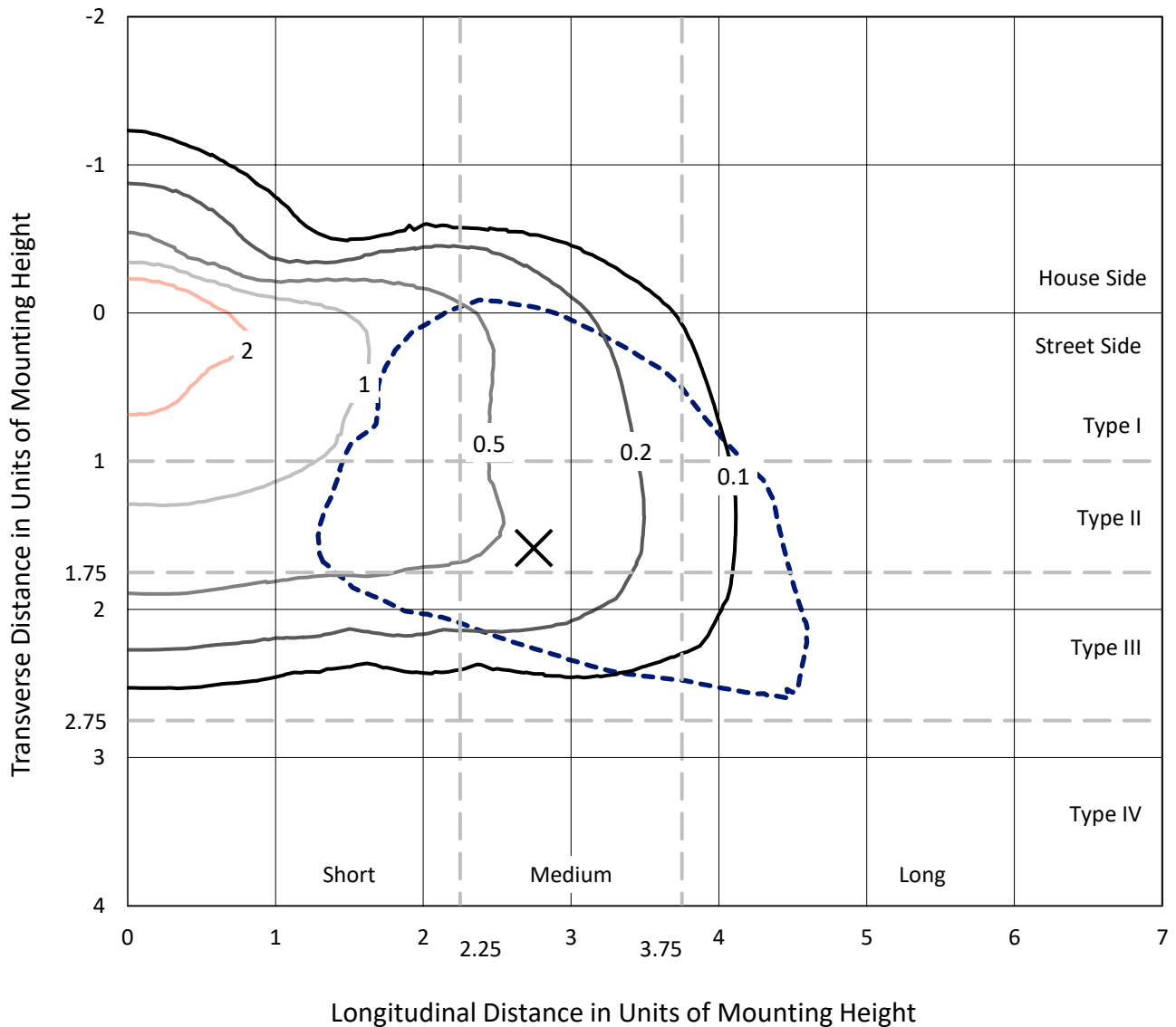
Lumens per Lamp: N/A
Luminaire Lumens: 3738.5 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

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: P671359
 CATALOG NUMBER: CCP-SA-1C-727-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

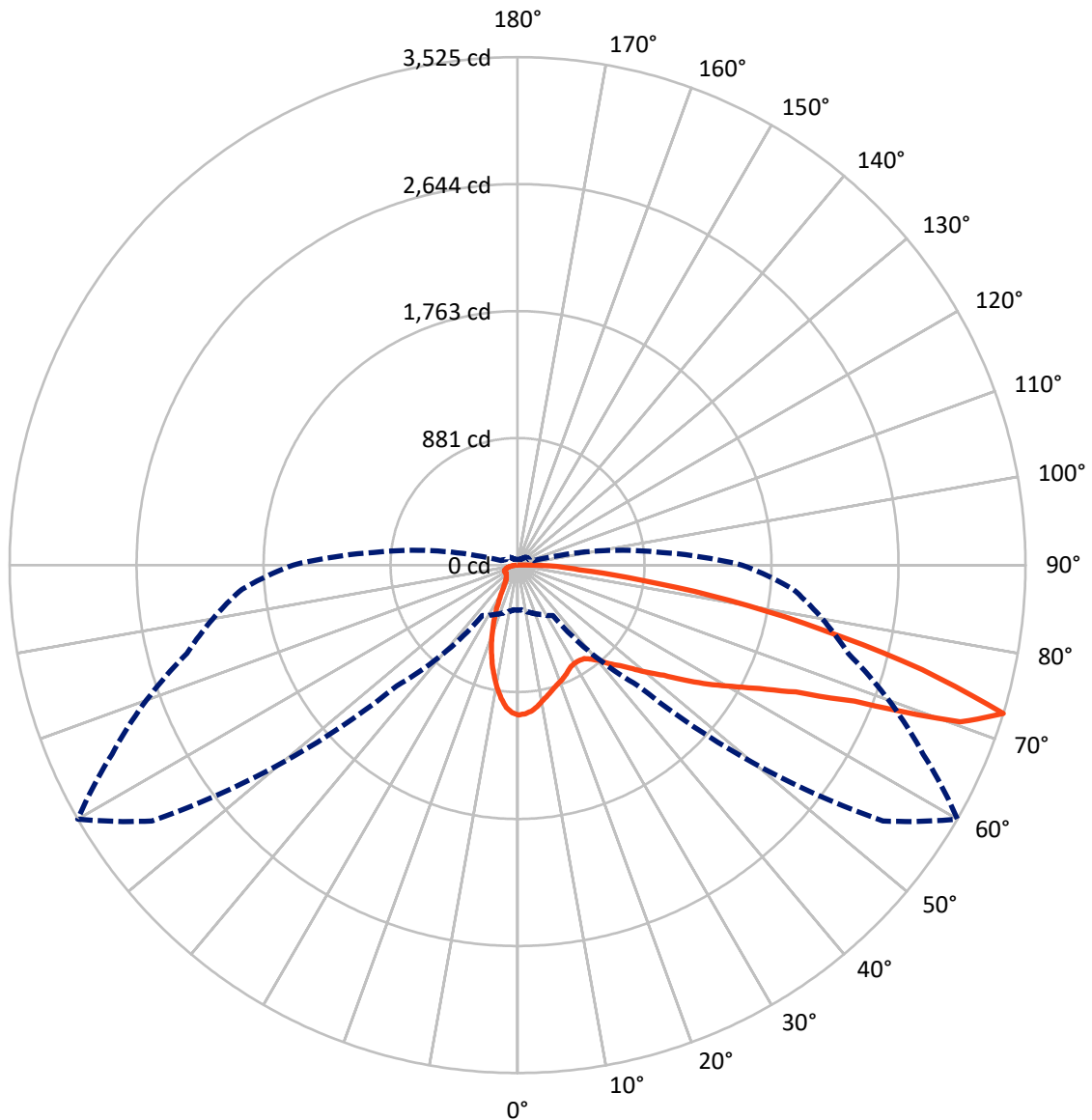
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.6 fc
 Type III - Medium - N/A

REPORT NUMBER: P671359
CATALOG NUMBER: CCP-SA-1C-727-U-SL3

Luminous Intensity Polar Plot



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

REPORT NUMBER: P671359

CATALOG NUMBER: CCP-SA-1C-727-U-SL3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	642.2	0.0	642.2
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	3096.3	0.0	3096.3
	% Fixture	82.8	0.0	82.8
Total	Lumens	3738.5	0.0	3738.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.2	2.4
10°-20°	204.6	5.5
20°-30°	261.9	7.0
30°-40°	335.0	9.0
40°-50°	459.4	12.3
50°-60°	664.5	17.8
60°-70°	911.6	24.4
70°-80°	684.1	18.3
80°-90°	127.2	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°	3738.5	100.0
0°-180°	3738.5	100.0



REPORT NUMBER: P671359

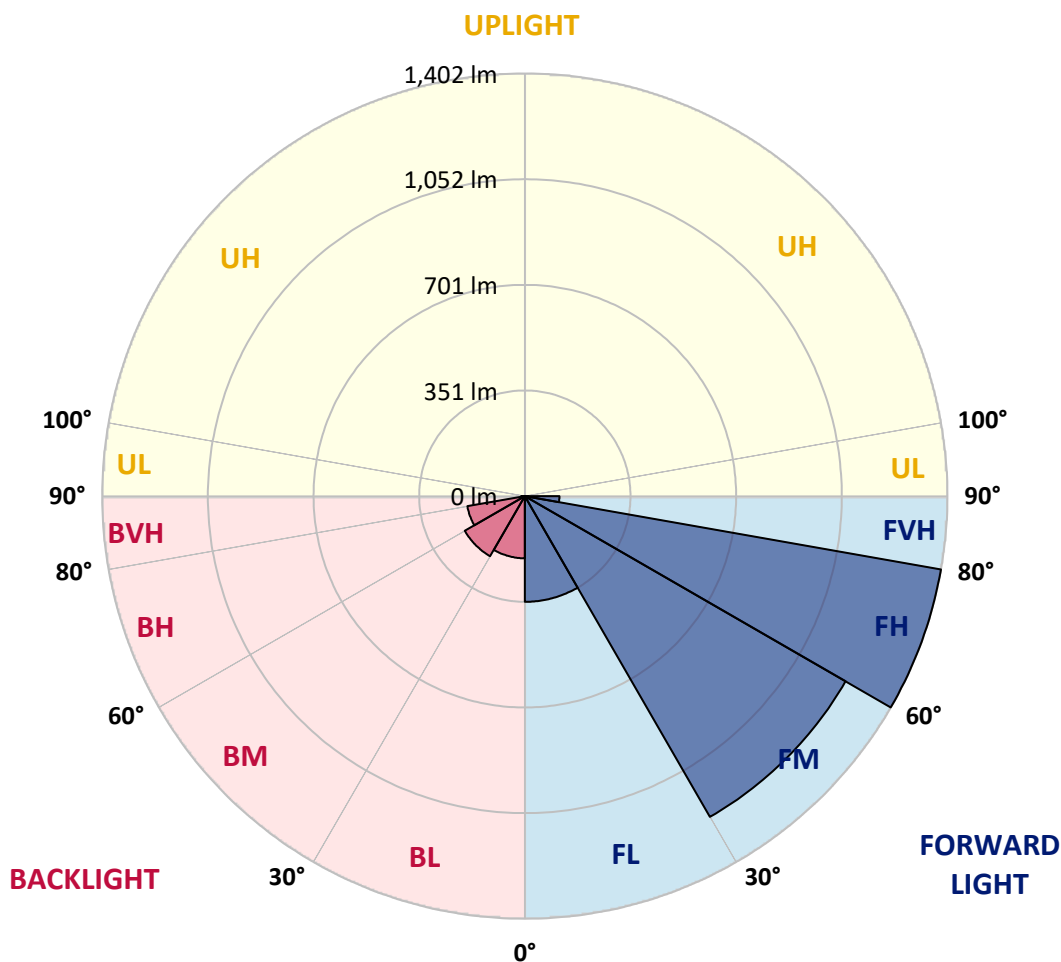
CATALOG NUMBER: CCP-SA-1C-727-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	350.5	9.4			
FM (30°-60°)	1228.8	32.9			
FH (60°-80°)	1402.2	37.5			G1/1800
FVH (80°-90°)	114.8	3.1			G2/225
BL (0°-30°)	206.2	5.5	B1/500		
BM (30°-60°)	230.1	6.2	B1/1000		
BH (60°-80°)	193.5	5.2	B1/500		G1/500
BVH (80°-90°)	12.4	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: P671359

CATALOG NUMBER: CCP-SA-1C-727-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1041.0	1041.0	1041.0	1041.0	1041.0	1041.0	1041.0	1041.0	1041.0	1041.0	1041.0
2.5°	1018.7	1028.5	1031.3	1031.3	1039.6	1029.9	1043.8	1032.7	1035.4	1039.6	1036.8
5°	970.0	986.7	977.0	995.1	988.1	1000.6	1017.3	1017.3	1013.2	1021.5	1014.6
7.5°	922.7	917.1	933.8	933.8	945.0	961.7	975.6	989.5	990.9	993.7	992.3
10°	858.7	865.6	874.0	885.1	899.0	915.7	945.0	956.1	958.9	975.6	971.4
12.5°	805.8	815.5	821.1	843.4	855.9	879.6	913.0	928.3	929.7	953.3	953.3
15°	766.8	772.4	784.9	793.3	821.1	854.5	886.5	900.4	915.7	940.8	933.8
17.5°	740.4	747.4	752.9	764.1	790.5	818.3	868.4	876.8	894.9	931.1	922.7
20°	725.1	726.5	734.8	741.8	765.4	791.9	836.4	858.7	882.3	914.4	906.0
22.5°	727.9	722.3	720.9	730.7	734.8	759.9	814.2	837.8	871.2	908.8	894.9
25°	733.4	734.8	732.0	723.7	725.1	747.4	783.5	814.2	851.7	907.4	879.6
27.5°	747.4	754.3	743.2	734.8	726.5	734.8	772.4	794.7	836.4	914.4	878.2
30°	761.3	768.2	765.4	752.9	736.2	733.4	759.9	787.7	828.1	919.9	878.2
32.5°	782.1	791.9	782.1	786.3	766.8	754.3	764.1	789.1	836.4	939.4	879.6
35°	805.8	814.2	816.9	807.2	803.0	779.4	784.9	797.5	844.8	961.7	893.5
37.5°	832.2	842.0	850.3	851.7	837.8	823.9	821.1	828.1	865.6	1000.6	908.8
40°	850.3	855.9	872.6	886.5	890.7	871.2	869.8	869.8	903.2	1035.4	936.6
42.5°	881.0	878.2	901.8	926.9	933.8	922.7	925.5	936.6	956.1	1085.5	981.2
45°	896.3	893.5	921.3	963.1	995.1	989.5	992.3	996.5	1014.6	1164.9	1056.3
47.5°	917.1	919.9	960.3	1007.6	1041.0	1060.5	1075.8	1074.4	1088.3	1245.6	1139.8
50°	938.0	943.6	992.3	1042.4	1100.8	1134.2	1156.5	1171.8	1185.7	1330.5	1235.8
52.5°	978.4	983.9	1038.2	1092.5	1167.6	1216.4	1272.0	1270.6	1272.0	1415.4	1331.9
55°	1036.8	1038.2	1070.2	1132.9	1234.5	1323.5	1400.1	1408.4	1384.8	1521.1	1441.8
57.5°	1103.6	1109.2	1137.0	1184.3	1287.3	1426.5	1543.4	1560.1	1496.1	1607.4	1542.0
60°	1166.3	1170.4	1213.6	1267.9	1379.2	1555.9	1688.1	1707.6	1638.0	1713.2	1646.4
62.5°	1095.3	1116.2	1192.7	1316.6	1540.6	1752.2	1871.9	1884.4	1775.8	1820.4	1757.7
65°	876.8	890.7	1000.6	1201.0	1551.8	2108.4	2155.8	2122.4	1965.1	1958.1	1926.1
67.5°	488.5	499.6	574.8	784.9	1306.8	2242.1	2766.7	2521.8	2258.8	2165.5	2154.4
70°	385.5	388.3	398.0	441.2	725.1	1976.2	3248.3	3259.4	2738.9	2450.8	2203.1
72.5°	313.1	311.7	341.0	378.5	428.6	1185.7	3096.6	3525.2	3106.3	2375.7	1919.2
75°	239.4	243.6	281.1	335.4	392.5	558.1	2310.2	2900.3	2910.1	2214.2	1618.6
77.5°	182.3	183.7	225.5	296.4	384.1	393.9	1507.2	2161.3	2171.1	1714.6	892.1
80°	136.4	136.4	171.2	250.5	374.4	363.2	928.3	1498.9	1356.9	602.6	194.8
82.5°	77.9	83.5	114.1	190.7	339.6	349.3	523.3	858.7	573.4	164.2	90.5
85°	41.8	43.1	69.6	128.0	279.7	334.0	399.4	427.3	228.2	87.7	41.8
87.5°	15.3	15.3	32.0	65.4	176.7	247.7	317.3	272.8	130.8	40.4	20.9
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: P671359
 CATALOG NUMBER: CCP-SA-1C-727-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1041.0	1041.0	1041.0	1041.0	1041.0	1041.0	1041.0	1041.0	1041.0	1041.0	1041.0
2.5°	1039.6	1034.0	1029.9	1034.0	1018.7	1011.8	1020.1	1016.0	1007.6	1003.4	1000.6
5°	1018.7	1011.8	1004.8	1000.6	983.9	967.2	958.9	942.2	928.3	932.4	924.1
7.5°	996.5	989.5	968.6	949.1	915.7	882.3	867.0	843.4	835.0	828.1	823.9
10°	968.6	956.1	924.1	885.1	836.4	798.8	759.9	732.0	702.8	690.3	694.5
12.5°	933.8	926.9	876.8	816.9	748.7	686.1	640.2	595.7	556.7	535.8	530.2
15°	918.5	897.7	825.3	746.0	659.7	581.7	513.5	435.6	389.7	367.4	367.4
17.5°	901.8	862.9	776.6	668.0	569.2	469.0	373.0	302.0	265.8	253.3	253.3
20°	875.4	832.2	719.5	594.3	474.6	353.5	267.2	228.2	217.1	208.8	210.1
22.5°	855.9	803.0	666.6	521.9	375.8	263.0	210.1	197.6	193.4	190.7	192.1
25°	833.6	768.2	611.0	444.0	295.0	207.4	182.3	176.7	179.5	180.9	180.9
27.5°	815.5	739.0	553.9	360.5	222.7	175.4	164.2	162.8	168.4	171.2	172.6
30°	803.0	712.6	498.2	283.9	178.1	155.9	150.3	150.3	157.3	160.0	161.4
32.5°	790.5	690.3	438.4	217.1	151.7	139.2	137.8	139.2	143.3	143.3	144.7
35°	794.7	669.4	381.3	175.4	136.4	128.0	128.0	128.0	129.4	130.8	130.8
37.5°	803.0	663.8	320.1	147.5	125.3	119.7	119.7	118.3	119.7	118.3	119.7
40°	811.4	655.5	264.4	130.8	118.3	114.1	112.7	109.9	108.6	108.6	109.9
42.5°	846.2	666.6	217.1	119.7	112.7	109.9	105.8	103.0	101.6	101.6	101.6
45°	890.7	687.5	179.5	114.1	108.6	101.6	98.8	97.4	94.6	96.0	97.4
47.5°	957.5	719.5	157.3	109.9	104.4	96.0	93.2	90.5	90.5	93.2	93.2
50°	1045.2	772.4	143.3	105.8	100.2	91.9	87.7	86.3	86.3	90.5	90.5
52.5°	1139.8	833.6	137.8	104.4	96.0	87.7	83.5	82.1	82.1	87.7	87.7
55°	1234.5	908.8	142.0	104.4	93.2	83.5	79.3	76.5	77.9	82.1	82.1
57.5°	1338.8	989.5	162.8	104.4	90.5	82.1	76.5	72.4	73.8	75.2	75.2
60°	1452.9	1095.3	199.0	104.4	89.1	79.3	72.4	66.8	66.8	68.2	68.2
62.5°	1568.5	1199.7	250.5	105.8	90.5	77.9	66.8	61.2	59.8	61.2	61.2
65°	1720.2	1366.7	302.0	105.8	94.6	75.2	62.6	55.7	54.3	54.3	55.7
67.5°	1933.1	1486.4	233.8	101.6	97.4	75.2	58.5	51.5	48.7	48.7	48.7
70°	1820.4	1253.9	148.9	94.6	93.2	77.9	55.7	47.3	44.5	43.1	43.1
72.5°	1558.7	1003.4	119.7	89.1	86.3	76.5	52.9	44.5	40.4	39.0	39.0
75°	1249.8	791.9	104.4	80.7	75.2	64.0	48.7	40.4	37.6	34.8	34.8
77.5°	612.4	331.2	79.3	71.0	64.0	48.7	43.1	37.6	33.4	30.6	30.6
80°	153.1	115.5	58.5	55.7	47.3	37.6	34.8	32.0	29.2	26.4	26.4
82.5°	82.1	68.2	41.8	37.6	32.0	26.4	26.4	25.1	23.7	20.9	19.5
85°	41.8	40.4	27.8	25.1	20.9	16.7	18.1	18.1	16.7	12.5	12.5
87.5°	22.3	22.3	13.9	11.1	9.7	8.4	8.4	8.4	7.0	5.6	5.6
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)