

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: P671370

Luminaire Tested: **CCP-SA-1C-730-U-SL3**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P671370  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1C-730-U-SL3  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ SL3  
distribution lens  
Light Source: (16) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

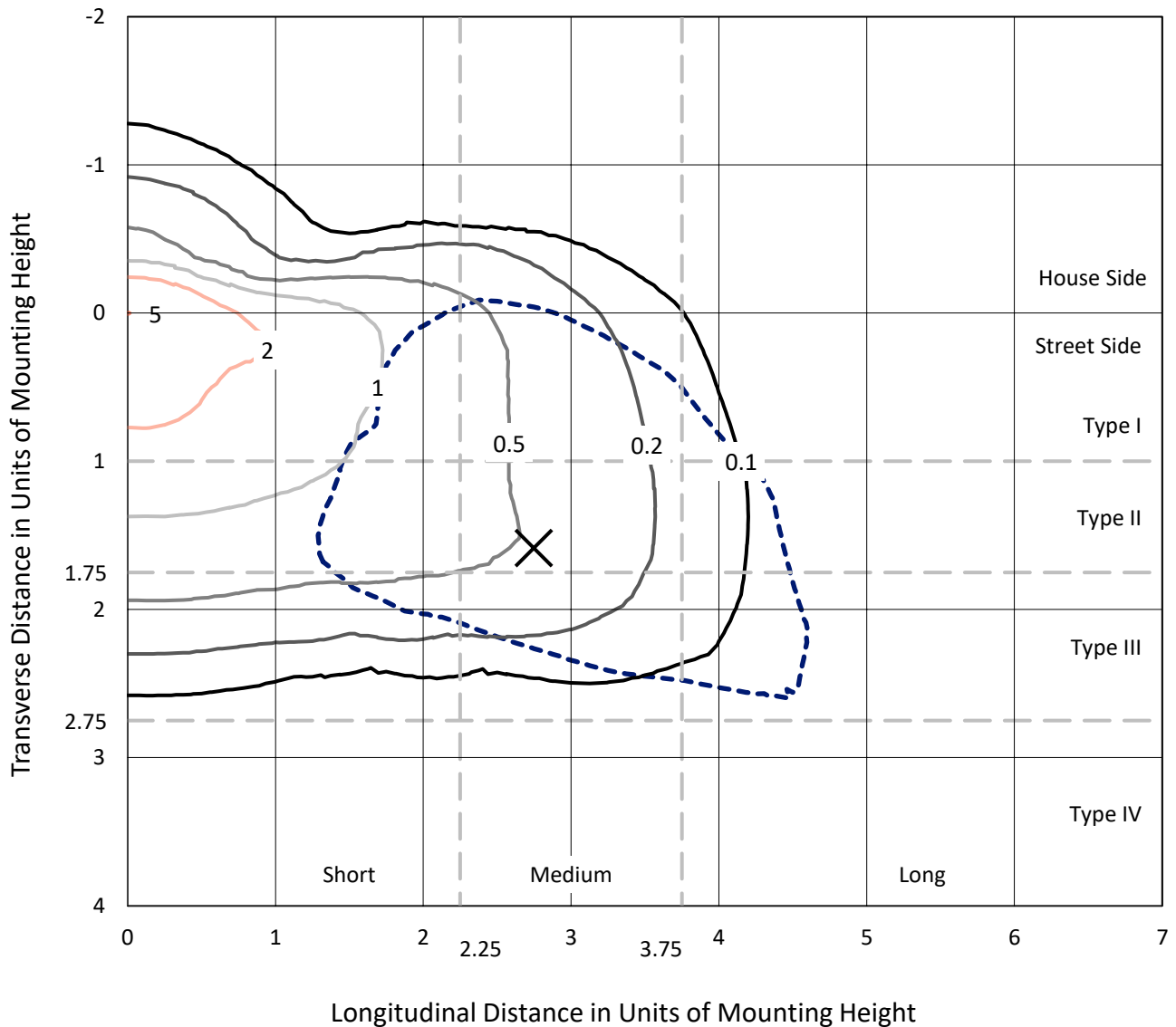
Lumens per Lamp: N/A  
Luminaire Lumens: 4070.7 lumens  
Efficiency: N/A  
Efficacy: 127.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

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

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### Iso-Footcandle Lines of Horizontal Illumination

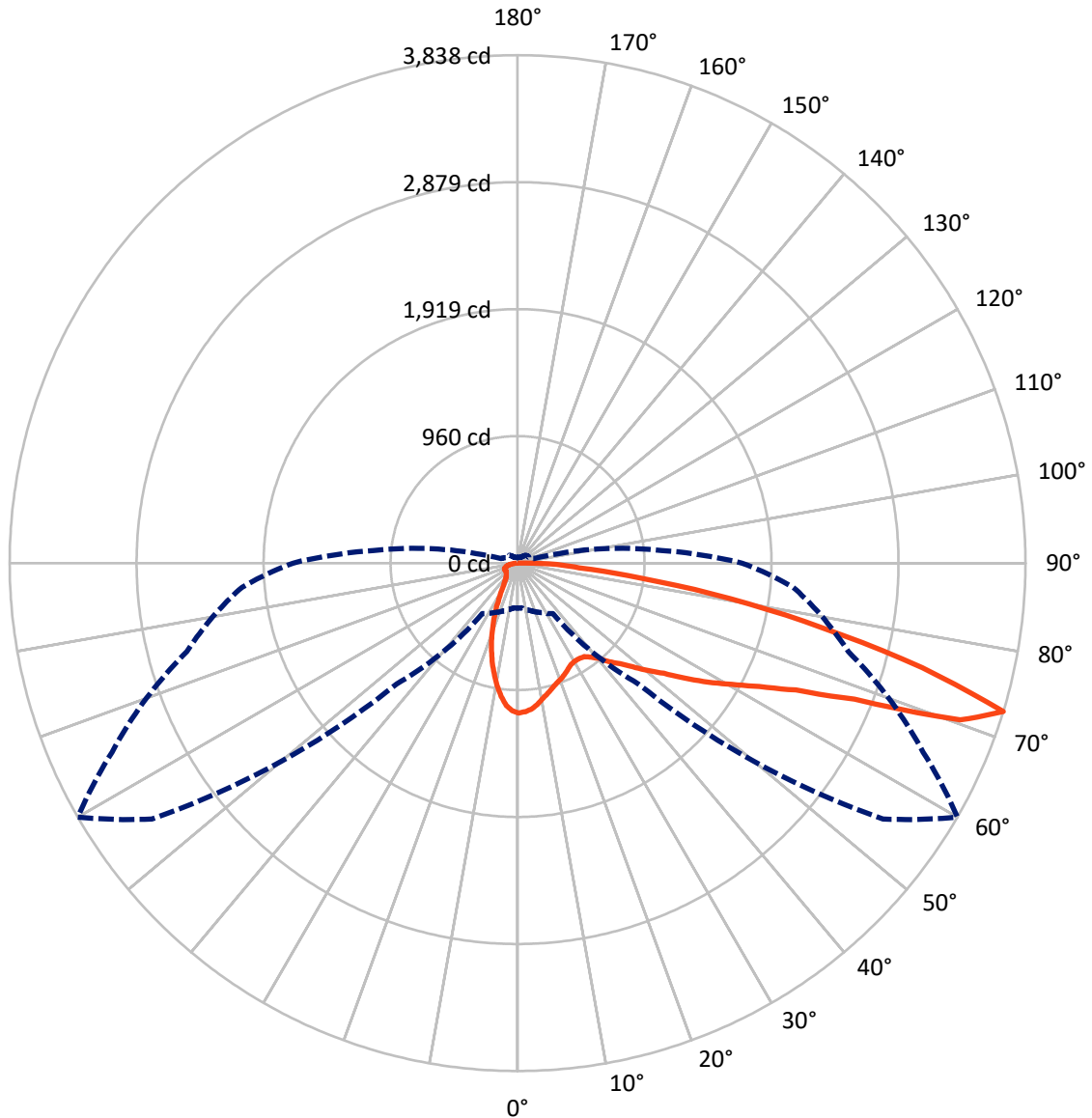
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 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
<b>House Side</b>	Lumens	699.3	0.0	699.3
	% Fixture	17.2	0.0	17.2
<b>Street Side</b>	Lumens	3371.4	0.0	3371.4
	% Fixture	82.8	0.0	82.8
<b>Total</b>	Lumens	4070.7	0.0	4070.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.2	2.4
10°-20°	222.8	5.5
20°-30°	285.1	7.0
30°-40°	364.8	9.0
40°-50°	500.3	12.3
50°-60°	723.6	17.8
60°-70°	992.6	24.4
70°-80°	744.9	18.3
80°-90°	138.4	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°	4070.7	100.0
0°-180°	4070.7	100.0



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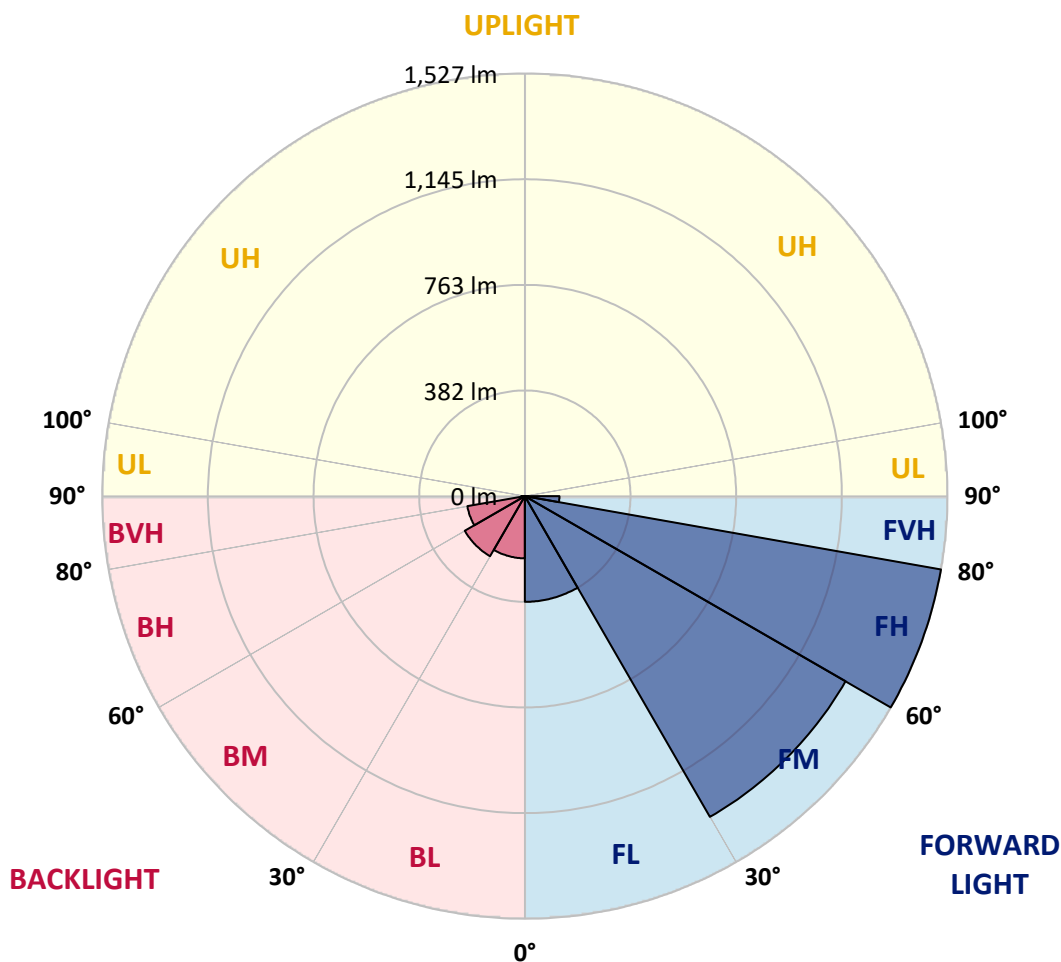
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	381.7	9.4			
FM (30°-60°)	1338.0	32.9			
FH (60°-80°)	1526.8	37.5			G1/1800
FVH (80°-90°)	125.0	3.1			G2/225
BL (0°-30°)	224.5	5.5	B1/500		
BM (30°-60°)	250.6	6.2	B1/1000		
BH (60°-80°)	210.7	5.2	B1/500		G1/500
BVH (80°-90°)	13.5	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°	1133.5	1133.5	1133.5	1133.5	1133.5	1133.5	1133.5	1133.5	1133.5	1133.5	1133.5
2.5°	1109.2	1119.9	1122.9	1122.9	1132.0	1121.4	1136.5	1124.4	1127.4	1132.0	1128.9
5°	1056.2	1074.4	1063.8	1083.5	1075.9	1089.5	1107.7	1107.7	1103.2	1112.3	1104.7
7.5°	1004.7	998.6	1016.8	1016.8	1028.9	1047.1	1062.3	1077.4	1078.9	1082.0	1080.5
10°	935.0	942.6	951.6	963.8	978.9	997.1	1028.9	1041.1	1044.1	1062.3	1057.7
12.5°	877.4	888.0	894.1	918.3	931.9	957.7	994.1	1010.7	1012.3	1038.0	1038.0
15°	835.0	841.0	854.7	863.8	894.1	930.4	965.3	980.4	997.1	1024.4	1016.8
17.5°	806.2	813.7	819.8	831.9	860.7	891.0	945.6	954.7	974.4	1013.8	1004.7
20°	789.5	791.0	800.1	807.7	833.4	862.2	910.7	935.0	960.7	995.6	986.5
22.5°	792.5	786.5	785.0	795.6	800.1	827.4	886.5	912.2	948.6	989.5	974.4
25°	798.6	800.1	797.1	788.0	789.5	813.7	853.1	886.5	927.4	988.0	957.7
27.5°	813.7	821.3	809.2	800.1	791.0	800.1	841.0	865.3	910.7	995.6	956.2
30°	828.9	836.5	833.4	819.8	801.6	798.6	827.4	857.7	901.6	1001.7	956.2
32.5°	851.6	862.2	851.6	856.2	835.0	821.3	831.9	859.2	910.7	1022.9	957.7
35°	877.4	886.5	889.5	878.9	874.4	848.6	854.7	868.3	919.8	1047.1	972.9
37.5°	906.2	916.8	925.9	927.4	912.2	897.1	894.1	901.6	942.6	1089.5	989.5
40°	925.9	931.9	950.1	965.3	969.8	948.6	947.1	947.1	983.5	1127.4	1019.8
42.5°	959.2	956.2	982.0	1009.2	1016.8	1004.7	1007.7	1019.8	1041.1	1182.0	1068.3
45°	975.9	972.9	1003.2	1048.6	1083.5	1077.4	1080.5	1085.0	1104.7	1268.4	1150.2
47.5°	998.6	1001.7	1045.6	1097.1	1133.5	1154.7	1171.4	1169.9	1185.0	1356.2	1241.1
50°	1021.4	1027.4	1080.5	1135.0	1198.6	1235.0	1259.3	1275.9	1291.1	1448.7	1345.6
52.5°	1065.3	1071.4	1130.5	1189.6	1271.4	1324.4	1385.0	1383.5	1385.0	1541.1	1450.2
55°	1128.9	1130.5	1165.3	1233.5	1344.1	1441.1	1524.5	1533.5	1507.8	1656.3	1569.9
57.5°	1201.7	1207.7	1238.0	1289.6	1401.7	1553.2	1680.5	1698.7	1629.0	1750.2	1679.0
60°	1269.9	1274.4	1321.4	1380.5	1501.7	1694.2	1838.1	1859.3	1783.6	1865.4	1792.7
62.5°	1192.6	1215.3	1298.7	1433.5	1677.5	1907.8	2038.2	2051.8	1933.6	1982.1	1913.9
65°	954.7	969.8	1089.5	1307.8	1689.6	2295.8	2347.3	2310.9	2139.7	2132.1	2097.3
67.5°	531.9	544.0	625.8	854.7	1422.9	2441.2	3012.5	2745.8	2459.4	2357.9	2345.8
70°	419.8	422.8	433.4	480.4	789.5	2151.8	3536.8	3549.0	2982.2	2668.5	2398.8
72.5°	341.0	339.4	371.3	412.2	466.7	1291.1	3371.7	3838.4	3382.3	2586.7	2089.7
75°	260.6	265.2	306.1	365.2	427.3	607.7	2515.5	3158.0	3168.6	2410.9	1762.4
77.5°	198.5	200.0	245.5	322.8	418.2	428.8	1641.1	2353.4	2364.0	1866.9	971.3
80°	148.5	148.5	186.4	272.8	407.6	395.5	1010.7	1632.0	1477.5	656.2	212.2
82.5°	84.9	90.9	124.3	207.6	369.7	380.4	569.8	935.0	624.3	178.8	98.5
85°	45.5	47.0	75.8	139.4	304.6	363.7	434.9	465.2	248.5	95.5	45.5
87.5°	16.7	16.7	34.9	71.2	192.5	269.7	345.5	297.0	142.4	43.9	22.7
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°	1133.5	1133.5	1133.5	1133.5	1133.5	1133.5	1133.5	1133.5	1133.5	1133.5	1133.5
2.5°	1132.0	1125.9	1121.4	1125.9	1109.2	1101.7	1110.8	1106.2	1097.1	1092.6	1089.5
5°	1109.2	1101.7	1094.1	1089.5	1071.4	1053.2	1044.1	1025.9	1010.7	1015.3	1006.2
7.5°	1085.0	1077.4	1054.7	1033.5	997.1	960.7	944.1	918.3	909.2	901.6	897.1
10°	1054.7	1041.1	1006.2	963.8	910.7	869.8	827.4	797.1	765.3	751.6	756.2
12.5°	1016.8	1009.2	954.7	889.5	815.3	747.1	697.1	648.6	606.1	583.4	577.4
15°	1000.1	977.4	898.6	812.2	718.3	633.4	559.2	474.3	424.3	400.1	400.1
17.5°	982.0	939.5	845.6	727.4	619.8	510.7	406.1	328.8	289.4	275.8	275.8
20°	953.2	906.2	783.4	647.1	516.7	384.9	290.9	248.5	236.4	227.3	228.8
22.5°	931.9	874.4	725.9	568.3	409.1	286.4	228.8	215.2	210.6	207.6	209.1
25°	907.7	836.5	665.2	483.4	321.3	225.8	198.5	192.5	195.5	197.0	197.0
27.5°	888.0	804.7	603.1	392.5	242.5	190.9	178.8	177.3	183.4	186.4	187.9
30°	874.4	775.9	542.5	309.1	194.0	169.7	163.7	163.7	171.2	174.3	175.8
32.5°	860.7	751.6	477.3	236.4	165.2	151.5	150.0	151.5	156.1	156.1	157.6
35°	865.3	728.9	415.2	190.9	148.5	139.4	139.4	139.4	140.9	142.4	142.4
37.5°	874.4	722.8	348.5	160.6	136.4	130.3	130.3	128.8	130.3	128.8	130.3
40°	883.5	713.7	287.9	142.4	128.8	124.3	122.7	119.7	118.2	118.2	119.7
42.5°	921.3	725.9	236.4	130.3	122.7	119.7	115.2	112.1	110.6	110.6	110.6
45°	969.8	748.6	195.5	124.3	118.2	110.6	107.6	106.1	103.0	104.6	106.1
47.5°	1042.6	783.4	171.2	119.7	113.7	104.6	101.5	98.5	98.5	101.5	101.5
50°	1138.0	841.0	156.1	115.2	109.1	100.0	95.5	94.0	94.0	98.5	98.5
52.5°	1241.1	907.7	150.0	113.7	104.6	95.5	90.9	89.4	89.4	95.5	95.5
55°	1344.1	989.5	154.6	113.7	101.5	90.9	86.4	83.3	84.9	89.4	89.4
57.5°	1457.8	1077.4	177.3	113.7	98.5	89.4	83.3	78.8	80.3	81.8	81.8
60°	1582.0	1192.6	216.7	113.7	97.0	86.4	78.8	72.7	72.7	74.3	74.3
62.5°	1707.8	1306.2	272.8	115.2	98.5	84.9	72.7	66.7	65.2	66.7	66.7
65°	1873.0	1488.1	328.8	115.2	103.0	81.8	68.2	60.6	59.1	59.1	60.6
67.5°	2104.8	1618.4	254.6	110.6	106.1	81.8	63.6	56.1	53.0	53.0	53.0
70°	1982.1	1365.3	162.1	103.0	101.5	84.9	60.6	51.5	48.5	47.0	47.0
72.5°	1697.2	1092.6	130.3	97.0	94.0	83.3	57.6	48.5	43.9	42.4	42.4
75°	1360.8	862.2	113.7	87.9	81.8	69.7	53.0	43.9	40.9	37.9	37.9
77.5°	666.8	360.7	86.4	77.3	69.7	53.0	47.0	40.9	36.4	33.3	33.3
80°	166.7	125.8	63.6	60.6	51.5	40.9	37.9	34.9	31.8	28.8	28.8
82.5°	89.4	74.3	45.5	40.9	34.9	28.8	28.8	27.3	25.8	22.7	21.2
85°	45.5	43.9	30.3	27.3	22.7	18.2	19.7	19.7	18.2	13.6	13.6
87.5°	24.2	24.2	15.2	12.1	10.6	9.1	9.1	9.1	7.6	6.1	6.1
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)