

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: P671352

Luminaire Tested: **CCP-SA-2A-722-U-SL3**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P671352  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2A-722-U-SL3  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ SL3 distribution lens  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

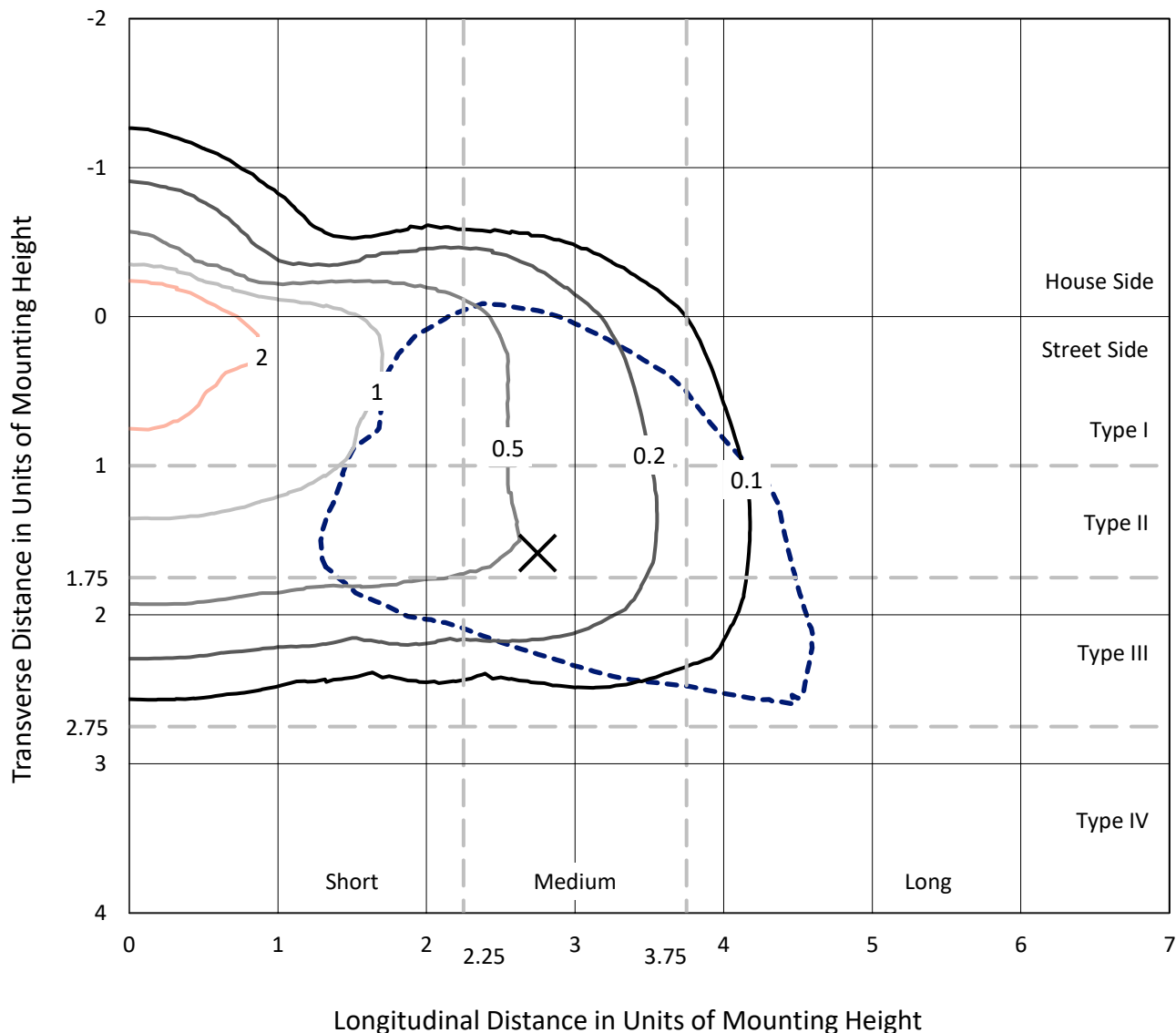
Lumens per Lamp: N/A  
Luminaire Lumens: 3985 lumens  
Efficiency: N/A  
Efficacy: 110.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

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

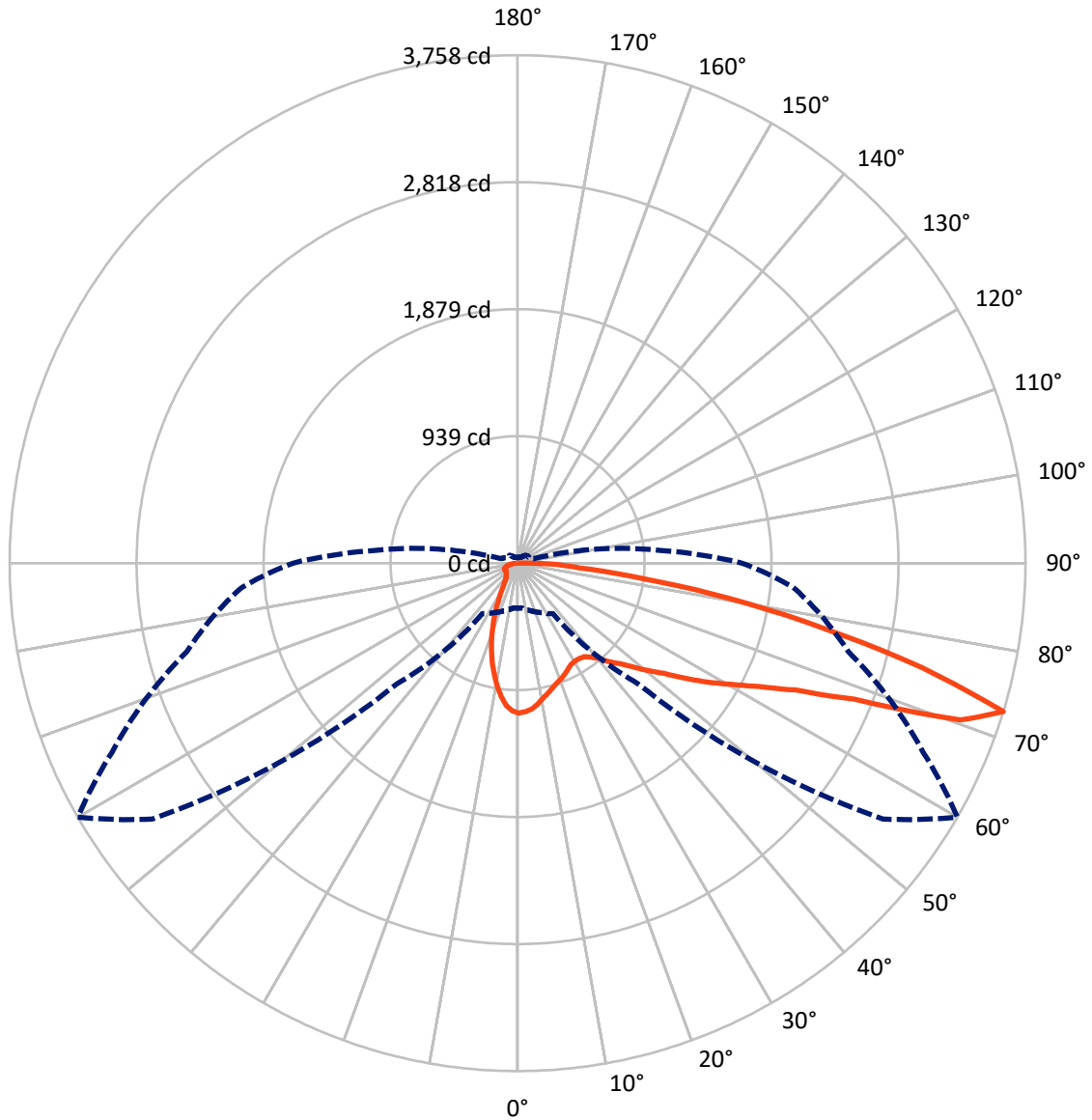
× Max cd  
 - - - 1/2 Max cd



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
<b>House Side</b>	Lumens	684.6	0.0	684.6
	% Fixture	17.2	0.0	17.2
<b>Street Side</b>	Lumens	3300.5	0.0	3300.5
	% Fixture	82.8	0.0	82.8
<b>Total</b>	Lumens	3985.0	0.0	3985.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.2	2.4
10°-20°	218.1	5.5
20°-30°	279.1	7.0
30°-40°	357.1	9.0
40°-50°	489.7	12.3
50°-60°	708.4	17.8
60°-70°	971.7	24.4
70°-80°	729.2	18.3
80°-90°	135.5	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°	3985.0	100.0
0°-180°	3985.0	100.0



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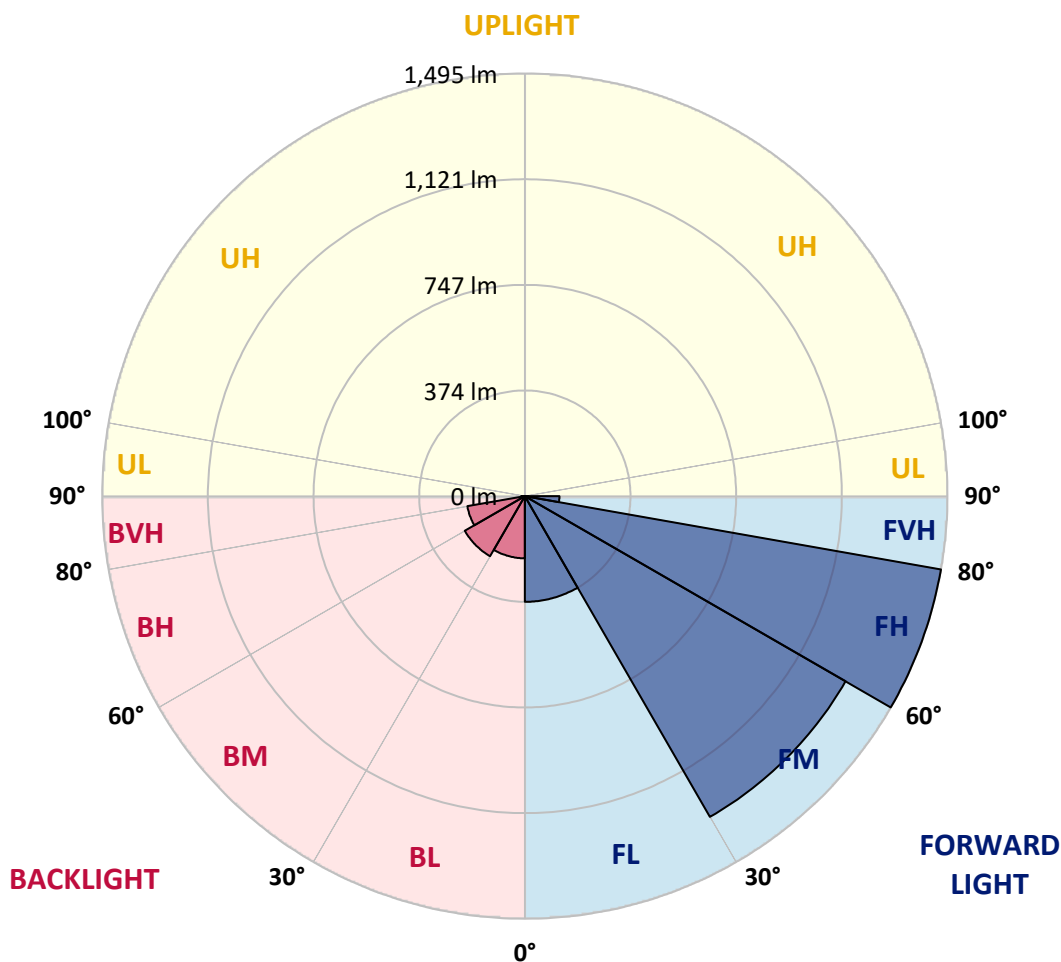
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	373.7	9.4			
FM (30°-60°)	1309.8	32.9			
FH (60°-80°)	1494.6	37.5			G1/1800
FVH (80°-90°)	122.3	3.1			G2/225
BL (0°-30°)	219.7	5.5	B1/500		
BM (30°-60°)	245.3	6.2	B1/1000		
BH (60°-80°)	206.3	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°	1109.6	1109.6	1109.6	1109.6	1109.6	1109.6	1109.6	1109.6	1109.6	1109.6	1109.6
2.5°	1085.9	1096.3	1099.2	1099.2	1108.1	1097.8	1112.6	1100.7	1103.7	1108.1	1105.2
5°	1034.0	1051.8	1041.4	1060.7	1053.3	1066.6	1084.4	1084.4	1080.0	1088.9	1081.4
7.5°	983.5	977.6	995.4	995.4	1007.3	1025.1	1039.9	1054.7	1056.2	1059.2	1057.7
10°	915.3	922.7	931.6	943.5	958.3	976.1	1007.3	1019.1	1022.1	1039.9	1035.5
12.5°	858.9	869.3	875.2	899.0	912.3	937.5	973.2	989.5	991.0	1016.2	1016.2
15°	817.4	823.3	836.7	845.6	875.2	910.8	945.0	959.8	976.1	1002.8	995.4
17.5°	789.2	796.6	802.6	814.4	842.6	872.3	925.7	934.6	953.9	992.4	983.5
20°	772.9	774.4	783.3	790.7	815.9	844.1	891.6	915.3	940.5	974.6	965.7
22.5°	775.9	769.9	768.4	778.8	783.3	810.0	867.8	893.0	928.6	968.7	953.9
25°	781.8	783.3	780.3	771.4	772.9	796.6	835.2	867.8	907.9	967.2	937.5
27.5°	796.6	804.0	792.2	783.3	774.4	783.3	823.3	847.1	891.6	974.6	936.1
30°	811.5	818.9	815.9	802.6	784.8	781.8	810.0	839.6	882.7	980.6	936.1
32.5°	833.7	844.1	833.7	838.2	817.4	804.0	814.4	841.1	891.6	1001.3	937.5
35°	858.9	867.8	870.8	860.4	856.0	830.7	836.7	850.0	900.5	1025.1	952.4
37.5°	887.1	897.5	906.4	907.9	893.0	878.2	875.2	882.7	922.7	1066.6	968.7
40°	906.4	912.3	930.1	945.0	949.4	928.6	927.2	927.2	962.8	1103.7	998.4
42.5°	939.0	936.1	961.3	988.0	995.4	983.5	986.5	998.4	1019.1	1157.1	1045.8
45°	955.4	952.4	982.1	1026.6	1060.7	1054.7	1057.7	1062.2	1081.4	1241.7	1125.9
47.5°	977.6	980.6	1023.6	1074.0	1109.6	1130.4	1146.7	1145.2	1160.1	1327.7	1215.0
50°	999.9	1005.8	1057.7	1111.1	1173.4	1209.0	1232.8	1249.1	1263.9	1418.2	1317.3
52.5°	1042.9	1048.8	1106.7	1164.5	1244.6	1296.5	1355.9	1354.4	1355.9	1508.7	1419.7
55°	1105.2	1106.7	1140.8	1207.5	1315.8	1410.8	1492.4	1501.3	1476.0	1621.4	1536.9
57.5°	1176.4	1182.3	1212.0	1262.4	1372.2	1520.5	1645.2	1663.0	1594.7	1713.4	1643.7
60°	1243.1	1247.6	1293.6	1351.4	1470.1	1658.5	1799.4	1820.2	1746.0	1826.1	1754.9
62.5°	1167.5	1189.7	1271.3	1403.4	1642.2	1867.7	1995.3	2008.6	1892.9	1940.4	1873.6
65°	934.6	949.4	1066.6	1280.2	1654.1	2247.4	2297.9	2262.3	2094.6	2087.2	2053.1
67.5°	520.7	532.6	612.7	836.7	1393.0	2389.9	2949.1	2688.0	2407.7	2308.3	2296.4
70°	410.9	413.9	424.3	470.3	772.9	2106.5	3462.4	3474.3	2919.5	2612.4	2348.3
72.5°	333.8	332.3	363.4	403.5	456.9	1263.9	3300.7	3757.6	3311.1	2532.3	2045.7
75°	255.2	259.6	299.7	357.5	418.3	594.9	2462.5	3091.5	3101.9	2360.2	1725.3
77.5°	194.3	195.8	240.3	316.0	409.4	419.8	1606.6	2303.8	2314.2	1827.6	950.9
80°	145.4	145.4	182.5	267.0	399.1	387.2	989.5	1597.7	1446.4	642.3	207.7
82.5°	83.1	89.0	121.6	203.2	362.0	372.3	557.8	915.3	611.2	175.0	96.4
85°	44.5	46.0	74.2	136.5	298.2	356.0	425.8	455.4	243.3	93.5	44.5
87.5°	16.3	16.3	34.1	69.7	188.4	264.1	338.2	290.8	139.4	43.0	22.3
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°	1109.6	1109.6	1109.6	1109.6	1109.6	1109.6	1109.6	1109.6	1109.6	1109.6	1109.6
2.5°	1108.1	1102.2	1097.8	1102.2	1085.9	1078.5	1087.4	1082.9	1074.0	1069.6	1066.6
5°	1085.9	1078.5	1071.1	1066.6	1048.8	1031.0	1022.1	1004.3	989.5	993.9	985.0
7.5°	1062.2	1054.7	1032.5	1011.7	976.1	940.5	924.2	899.0	890.1	882.7	878.2
10°	1032.5	1019.1	985.0	943.5	891.6	851.5	810.0	780.3	749.1	735.8	740.2
12.5°	995.4	988.0	934.6	870.8	798.1	731.3	682.4	634.9	593.4	571.1	565.2
15°	979.1	956.8	879.7	795.1	703.2	620.1	547.4	464.3	415.4	391.6	391.6
17.5°	961.3	919.7	827.8	712.1	606.7	499.9	397.6	321.9	283.3	270.0	270.0
20°	933.1	887.1	767.0	633.4	505.9	376.8	284.8	243.3	231.4	222.5	224.0
22.5°	912.3	856.0	710.6	556.3	400.5	280.4	224.0	210.7	206.2	203.2	204.7
25°	888.6	818.9	651.2	473.2	314.5	221.0	194.3	188.4	191.4	192.9	192.9
27.5°	869.3	787.7	590.4	384.2	237.4	186.9	175.0	173.6	179.5	182.5	183.9
30°	856.0	759.5	531.1	302.6	189.9	166.1	160.2	160.2	167.6	170.6	172.1
32.5°	842.6	735.8	467.3	231.4	161.7	148.3	146.9	148.3	152.8	152.8	154.3
35°	847.1	713.5	406.5	186.9	145.4	136.5	136.5	136.5	138.0	139.4	139.4
37.5°	856.0	707.6	341.2	157.2	133.5	127.6	127.6	126.1	127.6	126.1	127.6
40°	864.9	698.7	281.9	139.4	126.1	121.6	120.2	117.2	115.7	115.7	117.2
42.5°	901.9	710.6	231.4	127.6	120.2	117.2	112.7	109.8	108.3	108.3	108.3
45°	949.4	732.8	191.4	121.6	115.7	108.3	105.3	103.8	100.9	102.4	103.8
47.5°	1020.6	767.0	167.6	117.2	111.3	102.4	99.4	96.4	96.4	99.4	99.4
50°	1114.1	823.3	152.8	112.7	106.8	97.9	93.5	92.0	92.0	96.4	96.4
52.5°	1215.0	888.6	146.9	111.3	102.4	93.5	89.0	87.5	87.5	93.5	93.5
55°	1315.8	968.7	151.3	111.3	99.4	89.0	84.6	81.6	83.1	87.5	87.5
57.5°	1427.1	1054.7	173.6	111.3	96.4	87.5	81.6	77.1	78.6	80.1	80.1
60°	1548.7	1167.5	212.1	111.3	94.9	84.6	77.1	71.2	71.2	72.7	72.7
62.5°	1671.9	1278.7	267.0	112.7	96.4	83.1	71.2	65.3	63.8	65.3	65.3
65°	1833.6	1456.8	321.9	112.7	100.9	80.1	66.8	59.3	57.9	57.9	59.3
67.5°	2060.5	1584.3	249.2	108.3	103.8	80.1	62.3	54.9	51.9	51.9	51.9
70°	1940.4	1336.6	158.7	100.9	99.4	83.1	59.3	50.4	47.5	46.0	46.0
72.5°	1661.5	1069.6	127.6	94.9	92.0	81.6	56.4	47.5	43.0	41.5	41.5
75°	1332.1	844.1	111.3	86.0	80.1	68.2	51.9	43.0	40.1	37.1	37.1
77.5°	652.7	353.1	84.6	75.7	68.2	51.9	46.0	40.1	35.6	32.6	32.6
80°	163.2	123.1	62.3	59.3	50.4	40.1	37.1	34.1	31.2	28.2	28.2
82.5°	87.5	72.7	44.5	40.1	34.1	28.2	28.2	26.7	25.2	22.3	20.8
85°	44.5	43.0	29.7	26.7	22.3	17.8	19.3	19.3	17.8	13.4	13.4
87.5°	23.7	23.7	14.8	11.9	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)