

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: P671363

Luminaire Tested: **CCP-SA-2A-727-U-SL3**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P671363  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2A-727-U-SL3  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ SL3 distribution lens  
Light Source: (32) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

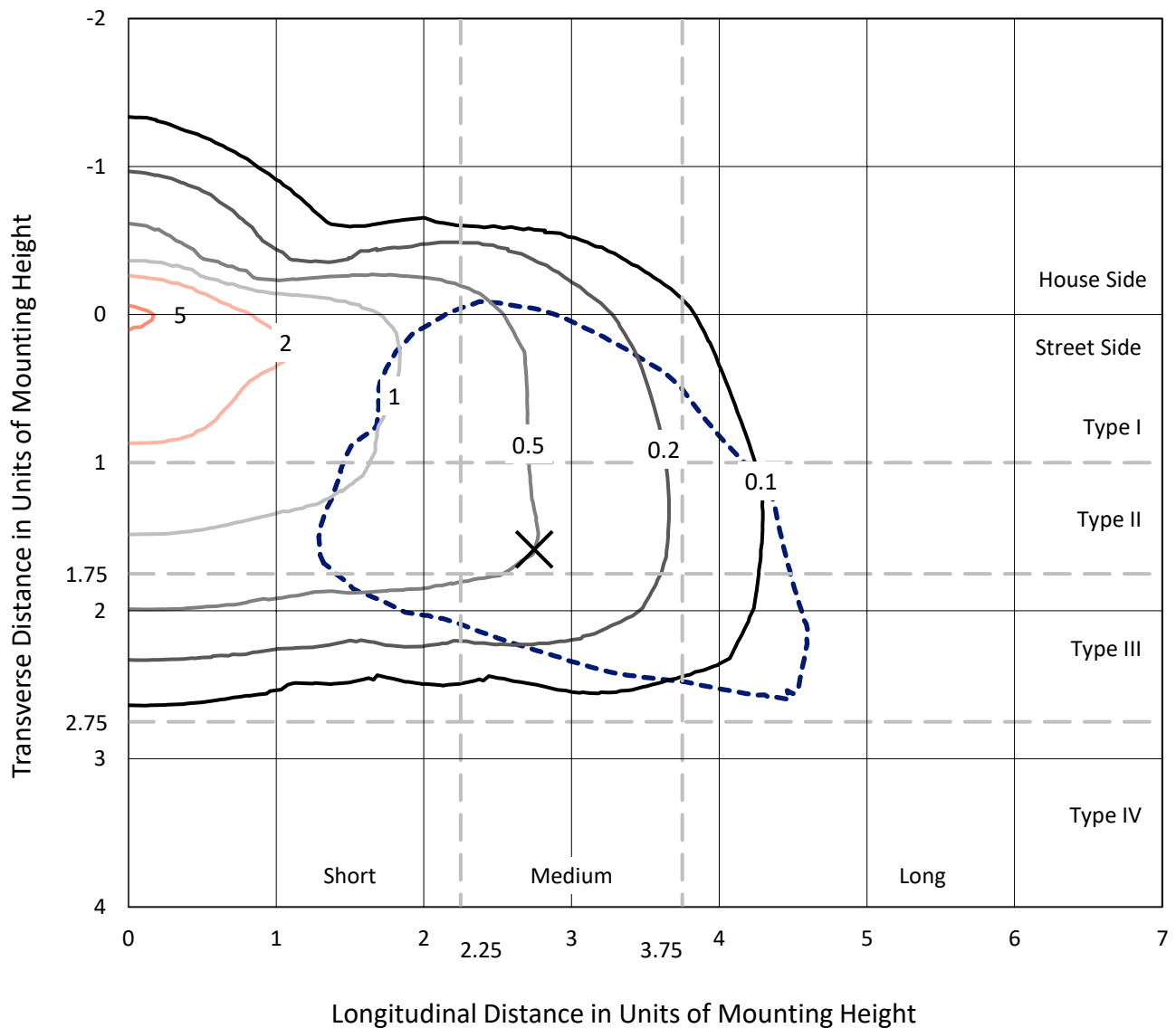
Lumens per Lamp: N/A  
Luminaire Lumens: 4524.4 lumens  
Efficiency: N/A  
Efficacy: 125.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

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

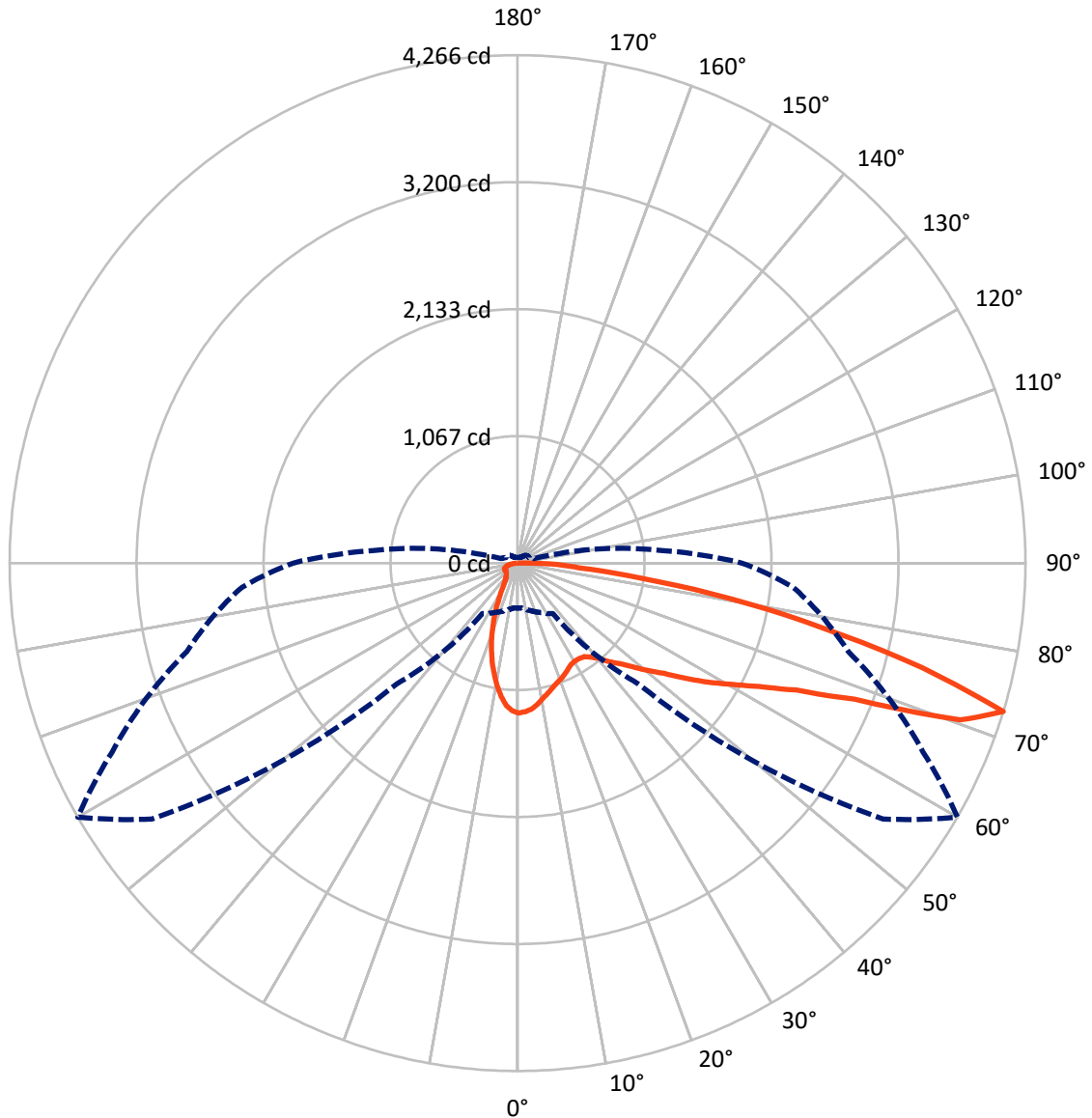
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.6 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	777.2	0.0	777.2
	% Fixture	17.2	0.0	17.2
<b>Street Side</b>	Lumens	3747.2	0.0	3747.2
	% Fixture	82.8	0.0	82.8
<b>Total</b>	Lumens	4524.4	0.0	4524.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.2	2.4
10°-20°	247.6	5.5
20°-30°	316.9	7.0
30°-40°	405.4	9.0
40°-50°	556.0	12.3
50°-60°	804.2	17.8
60°-70°	1103.3	24.4
70°-80°	827.9	18.3
80°-90°	153.9	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°	4524.4	100.0
0°-180°	4524.4	100.0



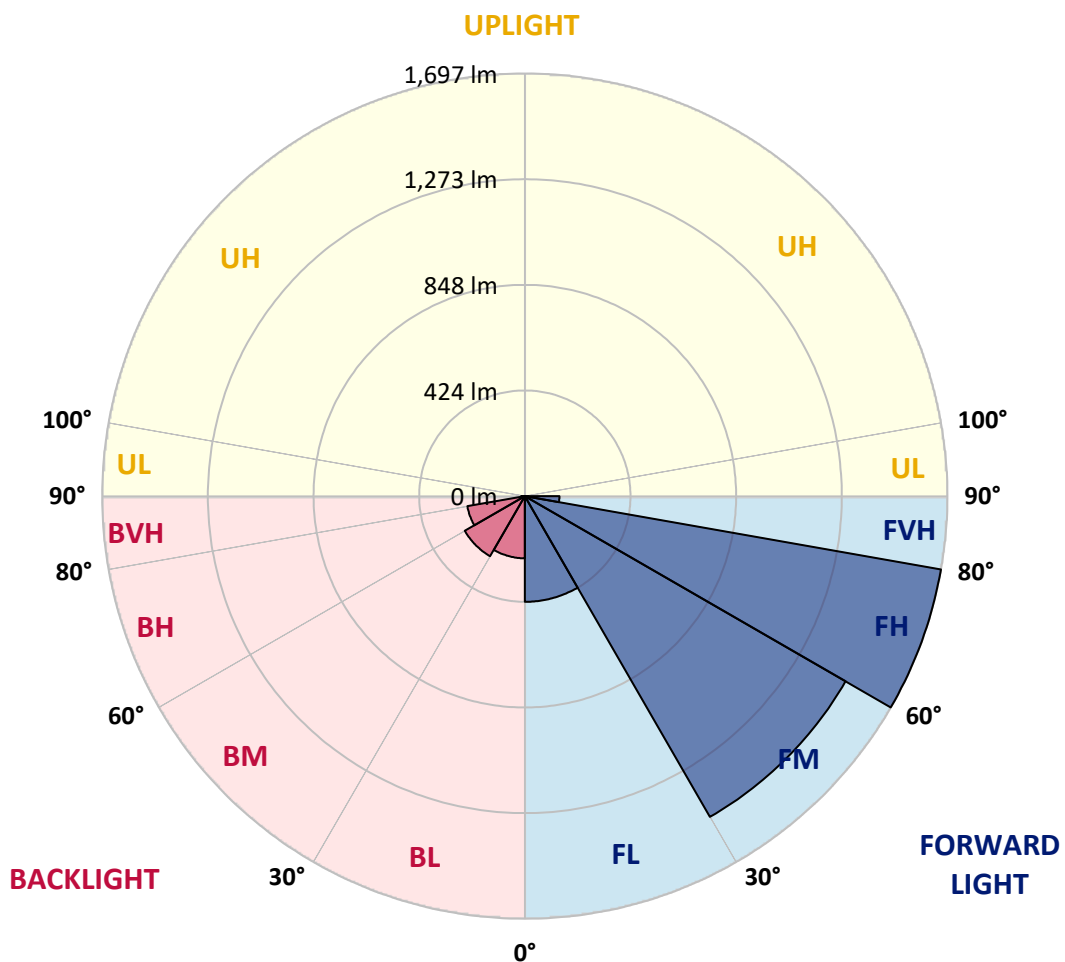
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	424.2	9.4			
FM (30°-60°)	1487.1	32.9			
FH (60°-80°)	1696.9	37.5			G1/1800
FVH (80°-90°)	138.9	3.1			G2/225
BL (0°-30°)	249.5	5.5	B1/500		
BM (30°-60°)	278.5	6.2	B1/1000		
BH (60°-80°)	234.2	5.2	B1/500		G1/500
BVH (80°-90°)	15.0	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°	1259.8	1259.8	1259.8	1259.8	1259.8	1259.8	1259.8	1259.8	1259.8	1259.8	1259.8
2.5°	1232.9	1244.7	1248.0	1248.0	1258.1	1246.3	1263.2	1249.7	1253.1	1258.1	1254.8
5°	1173.9	1194.1	1182.3	1204.2	1195.8	1211.0	1231.2	1231.2	1226.1	1236.2	1227.8
7.5°	1116.7	1109.9	1130.1	1130.1	1143.6	1163.8	1180.7	1197.5	1199.2	1202.6	1200.9
10°	1039.2	1047.6	1057.7	1071.2	1088.0	1108.2	1143.6	1157.1	1160.4	1180.7	1175.6
12.5°	975.2	987.0	993.7	1020.7	1035.8	1064.4	1104.9	1123.4	1125.1	1153.7	1153.7
15°	928.0	934.8	949.9	960.0	993.7	1034.1	1072.9	1089.7	1108.2	1138.6	1130.1
17.5°	896.0	904.4	911.2	924.7	956.7	990.3	1051.0	1061.1	1083.0	1126.8	1116.7
20°	877.5	879.2	889.3	897.7	926.3	958.3	1012.2	1039.2	1067.8	1106.6	1096.4
22.5°	880.9	874.1	872.4	884.2	889.3	919.6	985.3	1013.9	1054.3	1099.8	1083.0
25°	887.6	889.3	885.9	875.8	877.5	904.4	948.2	985.3	1030.8	1098.1	1064.4
27.5°	904.4	912.9	899.4	889.3	879.2	889.3	934.8	961.7	1012.2	1106.6	1062.8
30°	921.3	929.7	926.3	911.2	891.0	887.6	919.6	953.3	1002.1	1113.3	1062.8
32.5°	946.5	958.3	946.5	951.6	928.0	912.9	924.7	955.0	1012.2	1136.9	1064.4
35°	975.2	985.3	988.7	976.9	971.8	943.2	949.9	965.1	1022.3	1163.8	1081.3
37.5°	1007.2	1019.0	1029.1	1030.8	1013.9	997.1	993.7	1002.1	1047.6	1211.0	1099.8
40°	1029.1	1035.8	1056.0	1072.9	1077.9	1054.3	1052.7	1052.7	1093.1	1253.1	1133.5
42.5°	1066.1	1062.8	1091.4	1121.7	1130.1	1116.7	1120.0	1133.5	1157.1	1313.7	1187.4
45°	1084.7	1081.3	1115.0	1165.5	1204.2	1197.5	1200.9	1205.9	1227.8	1409.7	1278.3
47.5°	1109.9	1113.3	1162.1	1219.4	1259.8	1283.4	1301.9	1300.2	1317.1	1507.4	1379.4
50°	1135.2	1141.9	1200.9	1261.5	1332.2	1372.7	1399.6	1418.1	1435.0	1610.1	1495.6
52.5°	1184.0	1190.8	1256.5	1322.1	1413.1	1472.0	1539.4	1537.7	1539.4	1712.9	1611.8
55°	1254.8	1256.5	1295.2	1371.0	1493.9	1601.7	1694.4	1704.5	1675.8	1840.9	1744.9
57.5°	1335.6	1342.3	1376.0	1433.3	1557.9	1726.4	1867.8	1888.0	1810.6	1945.3	1866.2
60°	1411.4	1416.5	1468.7	1534.4	1669.1	1883.0	2043.0	2066.6	1982.4	2073.3	1992.5
62.5°	1325.5	1350.8	1443.4	1593.3	1864.5	2120.5	2265.3	2280.5	2149.1	2203.0	2127.2
65°	1061.1	1077.9	1211.0	1453.5	1877.9	2551.6	2608.9	2568.5	2378.2	2369.7	2331.0
67.5°	591.2	604.6	695.6	949.9	1581.5	2713.3	3348.3	3051.9	2733.5	2620.7	2607.2
70°	466.5	469.9	481.7	533.9	877.5	2391.6	3931.0	3944.5	3314.6	2966.0	2666.2
72.5°	379.0	377.3	412.6	458.1	518.7	1435.0	3747.5	4266.2	3759.3	2875.0	2322.6
75°	289.7	294.7	340.2	405.9	475.0	675.4	2795.9	3510.0	3521.8	2679.6	1958.8
77.5°	220.6	222.3	272.8	358.7	464.9	476.6	1824.0	2615.6	2627.4	2075.0	1079.6
80°	165.1	165.1	207.2	303.2	453.1	439.6	1123.4	1813.9	1642.1	729.3	235.8
82.5°	94.3	101.1	138.1	230.7	411.0	422.7	633.3	1039.2	693.9	198.7	109.5
85°	50.5	52.2	84.2	155.0	338.5	404.2	483.4	517.1	276.2	106.1	50.5
87.5°	18.5	18.5	38.7	79.2	213.9	299.8	384.0	330.1	158.3	48.8	25.3
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°	1259.8	1259.8	1259.8	1259.8	1259.8	1259.8	1259.8	1259.8	1259.8	1259.8	1259.8
2.5°	1258.1	1251.4	1246.3	1251.4	1232.9	1224.5	1234.6	1229.5	1219.4	1214.3	1211.0
5°	1232.9	1224.5	1216.0	1211.0	1190.8	1170.6	1160.4	1140.2	1123.4	1128.4	1118.3
7.5°	1205.9	1197.5	1172.2	1148.7	1108.2	1067.8	1049.3	1020.7	1010.6	1002.1	997.1
10°	1172.2	1157.1	1118.3	1071.2	1012.2	966.8	919.6	885.9	850.5	835.4	840.4
12.5°	1130.1	1121.7	1061.1	988.7	906.1	830.3	774.8	720.9	673.7	648.4	641.7
15°	1111.6	1086.3	998.8	902.8	798.3	704.0	621.5	527.2	471.6	444.6	444.6
17.5°	1091.4	1044.2	939.8	808.4	688.9	567.6	451.4	365.5	321.7	306.5	306.5
20°	1059.4	1007.2	870.8	719.2	574.3	427.8	323.4	276.2	262.7	252.6	254.3
22.5°	1035.8	971.8	806.8	631.6	454.7	318.3	254.3	239.2	234.1	230.7	232.4
25°	1008.9	929.7	739.4	537.3	357.1	251.0	220.6	213.9	217.3	219.0	219.0
27.5°	987.0	894.3	670.3	436.2	269.5	212.2	198.7	197.1	203.8	207.2	208.8
30°	971.8	862.3	603.0	343.6	215.6	188.6	181.9	181.9	190.3	193.7	195.4
32.5°	956.7	835.4	530.5	262.7	183.6	168.4	166.7	168.4	173.5	173.5	175.2
35°	961.7	810.1	461.5	212.2	165.1	155.0	155.0	155.0	156.6	158.3	158.3
37.5°	971.8	803.4	387.4	178.5	151.6	144.8	144.8	143.2	144.8	143.2	144.8
40°	981.9	793.3	320.0	158.3	143.2	138.1	136.4	133.1	131.4	131.4	133.1
42.5°	1024.0	806.8	262.7	144.8	136.4	133.1	128.0	124.6	123.0	123.0	123.0
45°	1077.9	832.0	217.3	138.1	131.4	123.0	119.6	117.9	114.5	116.2	117.9
47.5°	1158.8	870.8	190.3	133.1	126.3	116.2	112.8	109.5	109.5	112.8	112.8
50°	1264.9	934.8	173.5	128.0	121.3	111.2	106.1	104.4	104.4	109.5	109.5
52.5°	1379.4	1008.9	166.7	126.3	116.2	106.1	101.1	99.4	99.4	106.1	106.1
55°	1493.9	1099.8	171.8	126.3	112.8	101.1	96.0	92.6	94.3	99.4	99.4
57.5°	1620.3	1197.5	197.1	126.3	109.5	99.4	92.6	87.6	89.3	90.9	90.9
60°	1758.4	1325.5	240.8	126.3	107.8	96.0	87.6	80.8	80.8	82.5	82.5
62.5°	1898.2	1451.8	303.2	128.0	109.5	94.3	80.8	74.1	72.4	74.1	74.1
65°	2081.7	1653.9	365.5	128.0	114.5	90.9	75.8	67.4	65.7	65.7	67.4
67.5°	2339.4	1798.8	283.0	123.0	117.9	90.9	70.7	62.3	58.9	58.9	58.9
70°	2203.0	1517.5	180.2	114.5	112.8	94.3	67.4	57.3	53.9	52.2	52.2
72.5°	1886.4	1214.3	144.8	107.8	104.4	92.6	64.0	53.9	48.8	47.2	47.2
75°	1512.5	958.3	126.3	97.7	90.9	77.5	58.9	48.8	45.5	42.1	42.1
77.5°	741.1	400.9	96.0	85.9	77.5	58.9	52.2	45.5	40.4	37.1	37.1
80°	185.3	139.8	70.7	67.4	57.3	45.5	42.1	38.7	35.4	32.0	32.0
82.5°	99.4	82.5	50.5	45.5	38.7	32.0	32.0	30.3	28.6	25.3	23.6
85°	50.5	48.8	33.7	30.3	25.3	20.2	21.9	21.9	20.2	15.2	15.2
87.5°	26.9	26.9	16.8	13.5	11.8	10.1	10.1	10.1	8.4	6.7	6.7
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)