

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: P671458

Luminaire Tested: **CCP-SA-1C-840-U-SL3**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P671458  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1C-840-U-SL3  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ SL3 distribution lens  
Light Source: (16) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

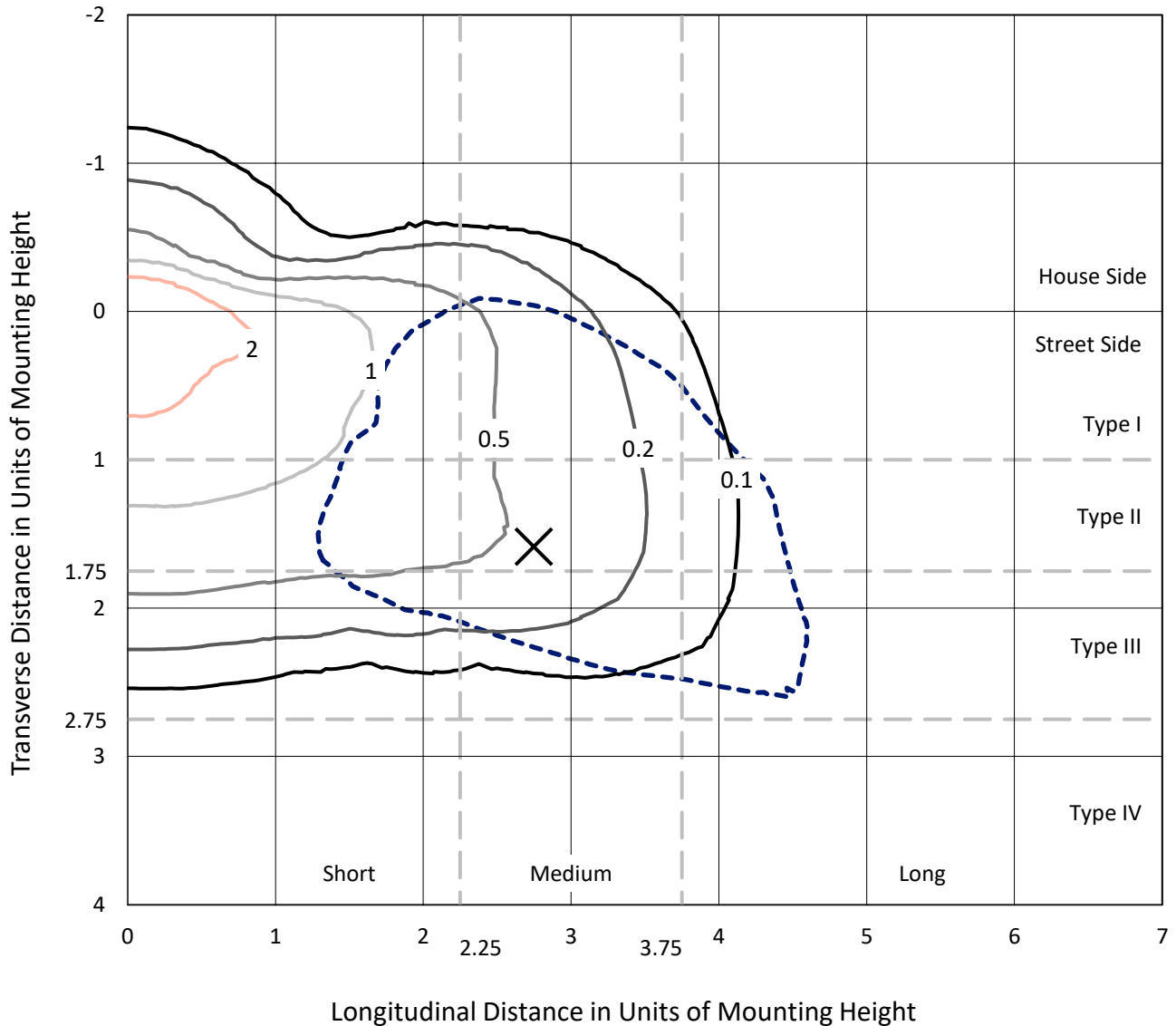
Lumens per Lamp: N/A  
Luminaire Lumens: 3811.4 lumens  
Efficiency: N/A  
Efficacy: 119.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

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

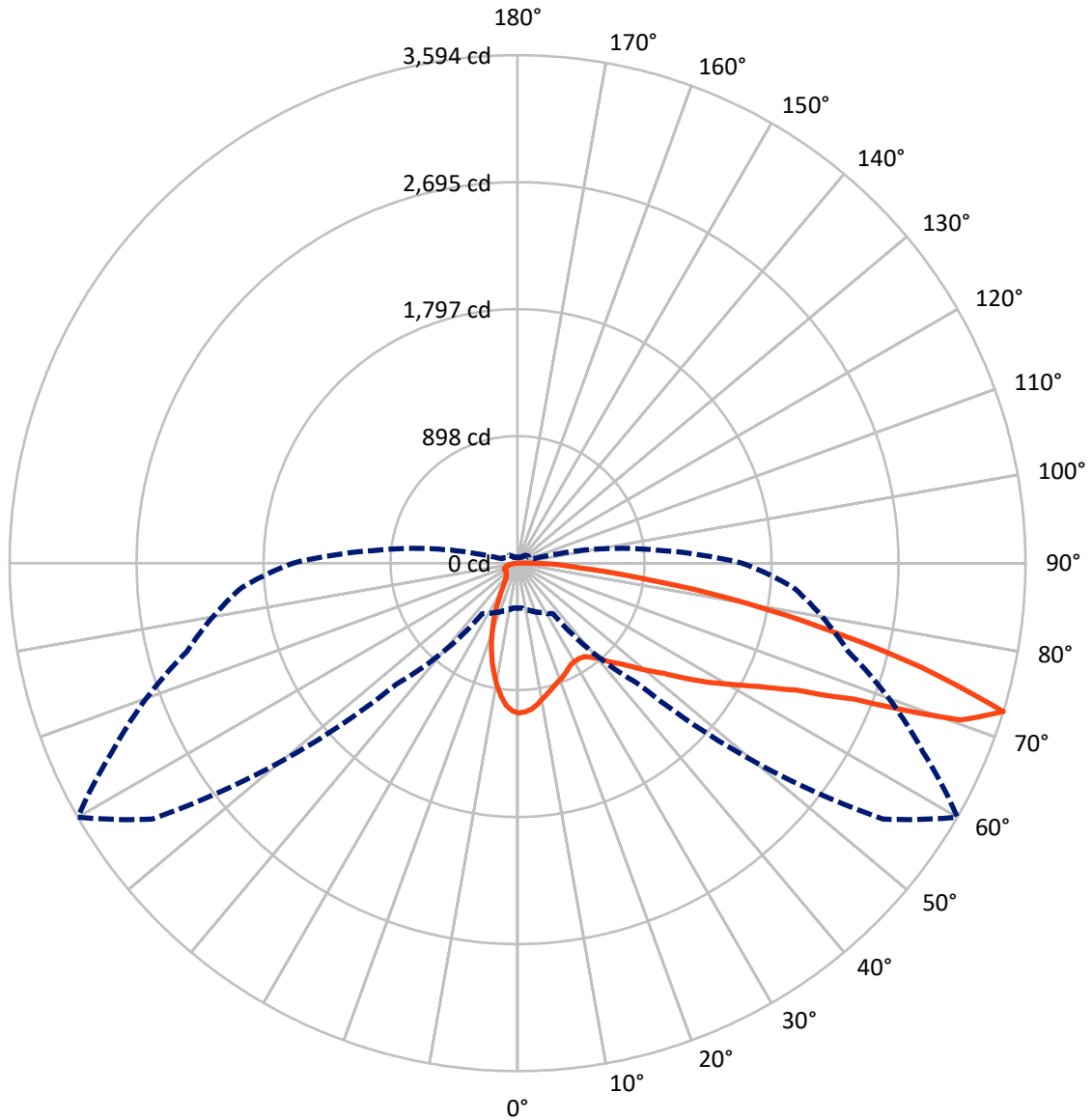
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.7 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	654.7	0.0	654.7
	% Fixture	17.2	0.0	17.2
<b>Street Side</b>	Lumens	3156.7	0.0	3156.7
	% Fixture	82.8	0.0	82.8
<b>Total</b>	Lumens	3811.4	0.0	3811.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.0	2.4
10°-20°	208.6	5.5
20°-30°	267.0	7.0
30°-40°	341.5	9.0
40°-50°	468.4	12.3
50°-60°	677.5	17.8
60°-70°	929.4	24.4
70°-80°	697.4	18.3
80°-90°	129.6	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°	3811.4	100.0
0°-180°	3811.4	100.0

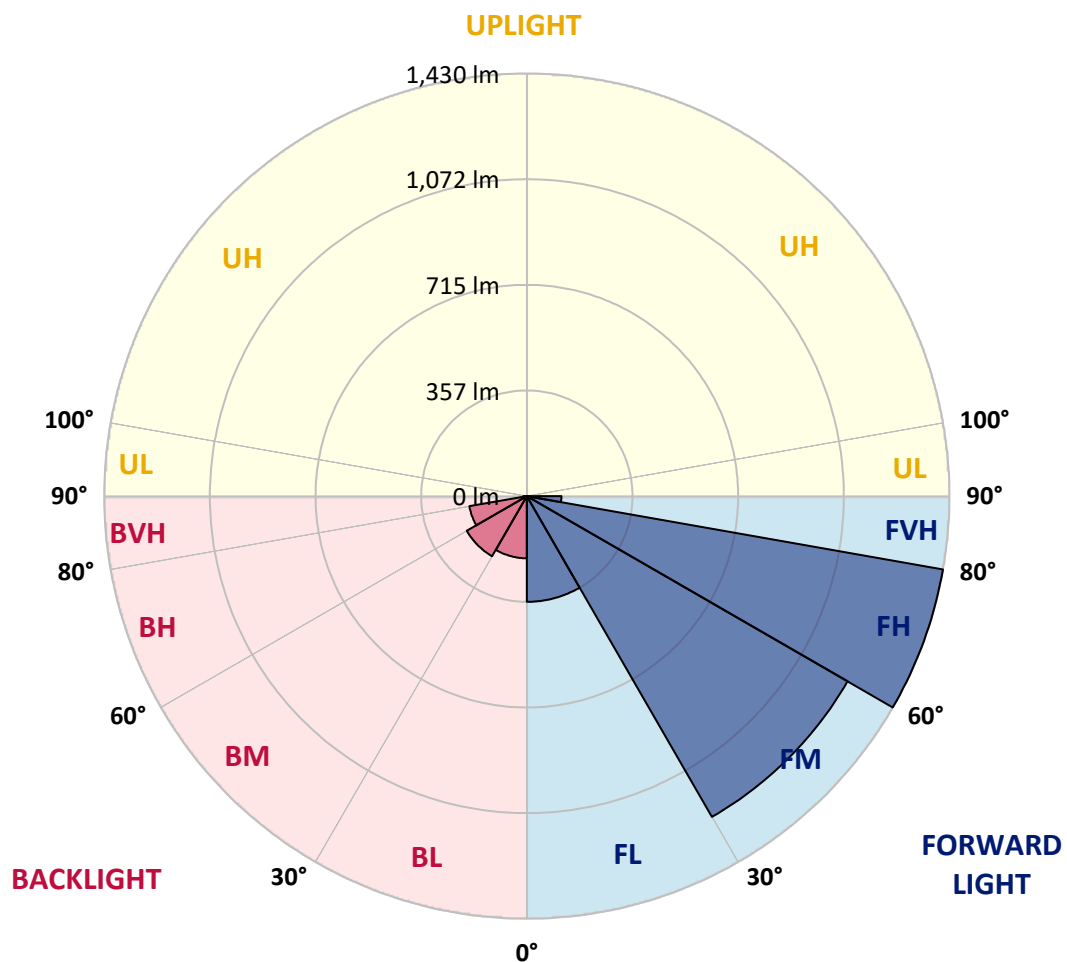


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	357.4	9.4			
FM (30°-60°)	1252.8	32.9			
FH (60°-80°)	1429.5	37.5			G1/1800
FVH (80°-90°)	117.0	3.1			G2/225
BL (0°-30°)	210.2	5.5	B1/500		
BM (30°-60°)	234.6	6.2	B1/1000		
BH (60°-80°)	197.3	5.2	B1/500		G1/500
BVH (80°-90°)	12.6	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°	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3
2.5°	1038.6	1048.5	1051.4	1051.4	1059.9	1049.9	1064.1	1052.8	1055.6	1059.9	1057.0
5°	988.9	1006.0	996.0	1014.5	1007.4	1020.1	1037.2	1037.2	1032.9	1041.4	1034.3
7.5°	940.7	935.0	952.0	952.0	963.4	980.4	994.6	1008.8	1010.2	1013.1	1011.6
10°	875.4	882.5	891.0	902.4	916.6	933.6	963.4	974.7	977.6	994.6	990.4
12.5°	821.5	831.4	837.1	859.8	872.6	896.7	930.8	946.4	947.8	971.9	971.9
15°	781.8	787.5	800.2	808.7	837.1	871.2	903.8	918.0	933.6	959.1	952.0
17.5°	754.8	761.9	767.6	778.9	805.9	834.3	885.4	893.9	912.3	949.2	940.7
20°	739.2	740.6	749.1	756.2	780.4	807.3	852.7	875.4	899.5	932.2	923.7
22.5°	742.1	736.4	735.0	744.9	749.1	774.7	830.0	854.1	888.2	926.5	912.3
25°	747.7	749.1	746.3	737.8	739.2	761.9	798.8	830.0	868.3	925.1	896.7
27.5°	761.9	769.0	757.7	749.1	740.6	749.1	787.5	810.2	852.7	932.2	895.3
30°	776.1	783.2	780.4	767.6	750.6	747.7	774.7	803.1	844.2	937.9	895.3
32.5°	797.4	807.3	797.4	801.6	781.8	769.0	778.9	804.5	852.7	957.7	896.7
35°	821.5	830.0	832.9	822.9	818.7	794.6	800.2	813.0	861.2	980.4	910.9
37.5°	848.5	858.4	866.9	868.3	854.1	840.0	837.1	844.2	882.5	1020.1	926.5
40°	866.9	872.6	889.6	903.8	908.1	888.2	886.8	886.8	920.8	1055.6	954.9
42.5°	898.1	895.3	919.4	944.9	952.0	940.7	943.5	954.9	974.7	1106.7	1000.3
45°	913.7	910.9	939.3	981.8	1014.5	1008.8	1011.6	1015.9	1034.3	1187.6	1076.9
47.5°	935.0	937.9	979.0	1027.2	1061.3	1081.2	1096.8	1095.3	1109.5	1269.9	1162.0
50°	956.3	962.0	1011.6	1062.7	1122.3	1156.4	1179.1	1194.7	1208.9	1356.4	1259.9
52.5°	997.4	1003.1	1058.5	1113.8	1190.4	1240.1	1296.8	1295.4	1296.8	1443.0	1357.8
55°	1057.0	1058.5	1091.1	1154.9	1258.5	1349.3	1427.4	1435.9	1411.7	1550.8	1469.9
57.5°	1125.1	1130.8	1159.2	1207.4	1312.4	1454.3	1573.5	1590.5	1525.3	1638.8	1572.1
60°	1189.0	1193.2	1237.2	1292.6	1406.1	1586.3	1721.1	1740.9	1670.0	1746.6	1678.5
62.5°	1116.6	1137.9	1215.9	1342.2	1570.7	1786.3	1908.3	1921.1	1810.4	1855.8	1792.0
65°	893.9	908.1	1020.1	1224.5	1582.0	2149.5	2197.8	2163.7	2003.4	1996.3	1963.7
67.5°	498.0	509.4	586.0	800.2	1332.3	2285.8	2820.7	2570.9	2302.8	2207.7	2196.4
70°	393.0	395.9	405.8	449.8	739.2	2014.8	3311.6	3322.9	2792.3	2498.6	2246.0
72.5°	319.2	317.8	347.6	385.9	437.0	1208.9	3156.9	3593.9	3166.9	2422.0	1956.6
75°	244.0	248.3	286.6	341.9	400.1	569.0	2355.3	2956.9	2966.8	2257.4	1650.1
77.5°	185.9	187.3	229.9	302.2	391.6	401.5	1536.6	2203.5	2213.4	1748.0	909.5
80°	139.0	139.0	174.5	255.4	381.7	370.3	946.4	1528.1	1383.4	614.4	198.6
82.5°	79.5	85.1	116.3	194.4	346.2	356.1	533.5	875.4	584.6	167.4	92.2
85°	42.6	44.0	70.9	130.5	285.2	340.5	407.2	435.6	232.7	89.4	42.6
87.5°	15.6	15.6	32.6	66.7	180.2	252.6	323.5	278.1	133.4	41.1	21.3
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°	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3	1061.3
2.5°	1059.9	1054.2	1049.9	1054.2	1038.6	1031.5	1040.0	1035.8	1027.2	1023.0	1020.1
5°	1038.6	1031.5	1024.4	1020.1	1003.1	986.1	977.6	960.6	946.4	950.6	942.1
7.5°	1015.9	1008.8	987.5	967.6	933.6	899.5	883.9	859.8	851.3	844.2	840.0
10°	987.5	974.7	942.1	902.4	852.7	814.4	774.7	746.3	716.5	703.7	708.0
12.5°	952.0	944.9	893.9	832.9	763.3	699.5	652.7	607.3	567.5	546.3	540.6
15°	936.4	915.2	841.4	760.5	672.5	593.1	523.6	444.1	397.3	374.6	374.6
17.5°	919.4	879.7	791.7	681.0	580.3	478.1	380.2	307.9	271.0	258.2	258.2
20°	892.5	848.5	733.5	605.8	483.8	360.4	272.4	232.7	221.3	212.8	214.2
22.5°	872.6	818.7	679.6	532.1	383.1	268.2	214.2	201.5	197.2	194.4	195.8
25°	849.9	783.2	622.9	452.6	300.8	211.4	185.9	180.2	183.0	184.4	184.4
27.5°	831.4	753.4	564.7	367.5	227.0	178.8	167.4	166.0	171.7	174.5	175.9
30°	818.7	726.4	507.9	289.4	181.6	158.9	153.2	153.2	160.3	163.2	164.6
32.5°	805.9	703.7	446.9	221.3	154.7	141.9	140.5	141.9	146.1	146.1	147.6
35°	810.2	682.5	388.8	178.8	139.0	130.5	130.5	130.5	132.0	133.4	133.4
37.5°	818.7	676.8	326.3	150.4	127.7	122.0	122.0	120.6	122.0	120.6	122.0
40°	827.2	668.3	269.6	133.4	120.6	116.3	114.9	112.1	110.7	110.7	112.1
42.5°	862.7	679.6	221.3	122.0	114.9	112.1	107.8	105.0	103.6	103.6	103.6
45°	908.1	700.9	183.0	116.3	110.7	103.6	100.7	99.3	96.5	97.9	99.3
47.5°	976.2	733.5	160.3	112.1	106.4	97.9	95.1	92.2	92.2	95.1	95.1
50°	1065.5	787.5	146.1	107.8	102.2	93.6	89.4	88.0	88.0	92.2	92.2
52.5°	1162.0	849.9	140.5	106.4	97.9	89.4	85.1	83.7	83.7	89.4	89.4
55°	1258.5	926.5	144.7	106.4	95.1	85.1	80.9	78.0	79.5	83.7	83.7
57.5°	1364.9	1008.8	166.0	106.4	92.2	83.7	78.0	73.8	75.2	76.6	76.6
60°	1481.3	1116.6	202.9	106.4	90.8	80.9	73.8	68.1	68.1	69.5	69.5
62.5°	1599.0	1223.0	255.4	107.8	92.2	79.5	68.1	62.4	61.0	62.4	62.4
65°	1753.7	1393.3	307.9	107.8	96.5	76.6	63.8	56.8	55.3	55.3	56.8
67.5°	1970.8	1515.3	238.4	103.6	99.3	76.6	59.6	52.5	49.7	49.7	49.7
70°	1855.8	1278.4	151.8	96.5	95.1	79.5	56.8	48.2	45.4	44.0	44.0
72.5°	1589.1	1023.0	122.0	90.8	88.0	78.0	53.9	45.4	41.1	39.7	39.7
75°	1274.1	807.3	106.4	82.3	76.6	65.3	49.7	41.1	38.3	35.5	35.5
77.5°	624.3	337.7	80.9	72.4	65.3	49.7	44.0	38.3	34.1	31.2	31.2
80°	156.1	117.8	59.6	56.8	48.2	38.3	35.5	32.6	29.8	27.0	27.0
82.5°	83.7	69.5	42.6	38.3	32.6	27.0	27.0	25.5	24.1	21.3	19.9
85°	42.6	41.1	28.4	25.5	21.3	17.0	18.4	18.4	17.0	12.8	12.8
87.5°	22.7	22.7	14.2	11.4	9.9	8.5	8.5	8.5	7.1	5.7	5.7
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)