

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: P674625

Luminaire Tested: **CCP-SA-1B-840-U-T2R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674625  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1B-840-U-T2R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ T2R distribution lens and House Side Shield  
Light Source: (16) 4000K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2384.2 lumens  
Efficiency: N/A  
Efficacy: 99.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B0 - U0 - G0

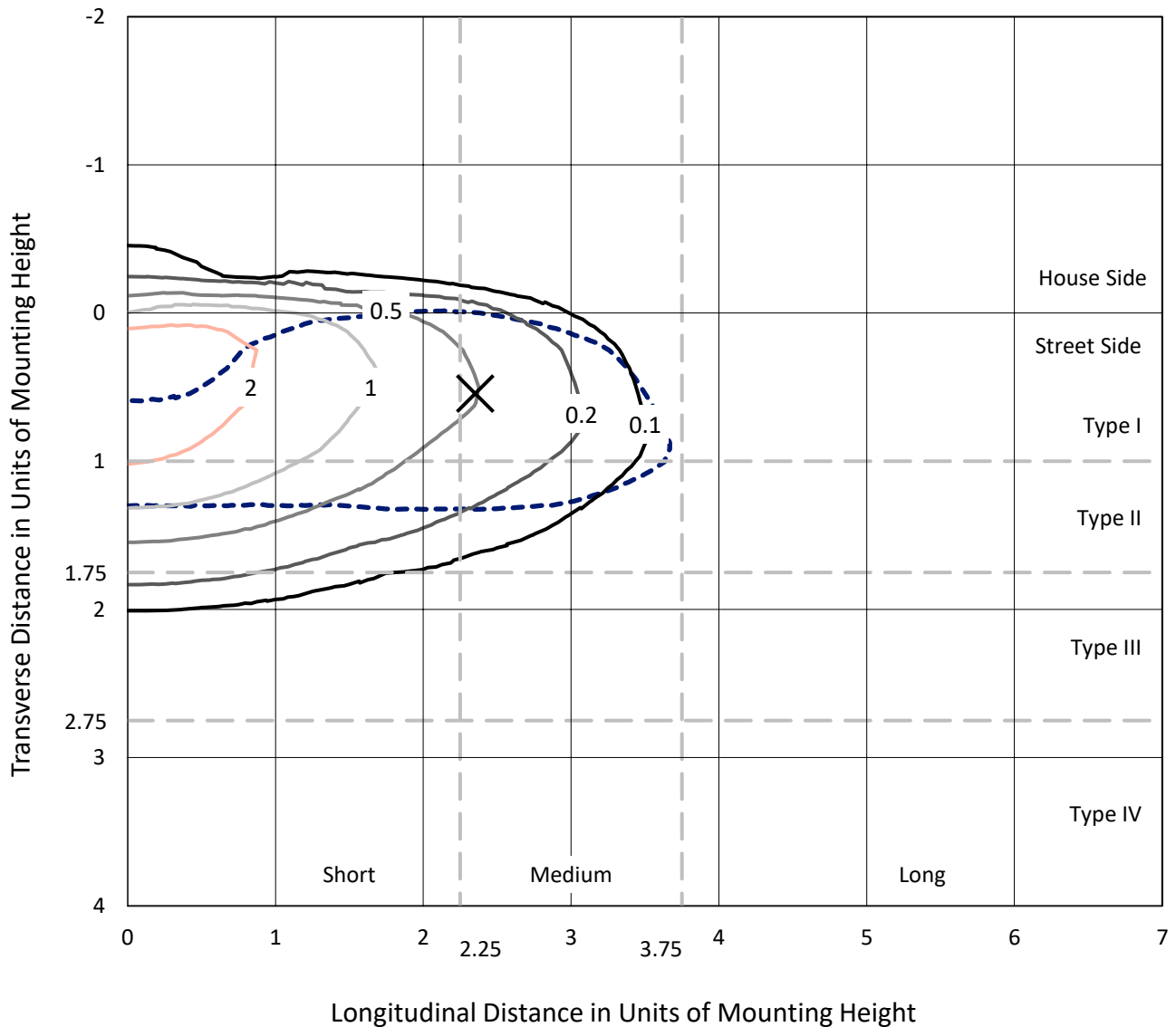
Input Watts (W): 24  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

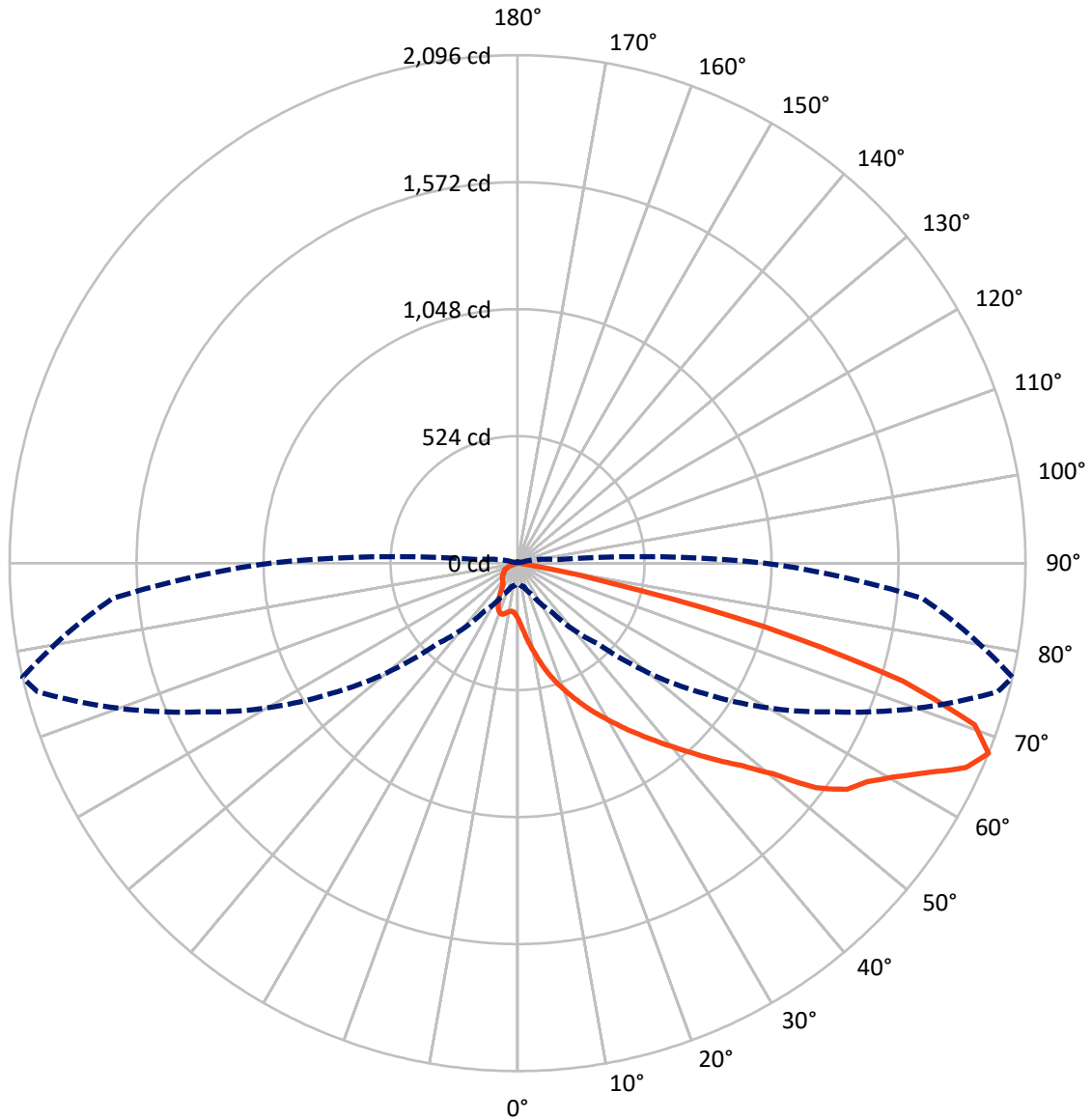
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.9 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	149.0	0.0	149.0
	% Fixture	6.2	0.0	6.2
<b>Street Side</b>	Lumens	2235.2	0.0	2235.2
	% Fixture	93.8	0.0	93.8
<b>Total</b>	Lumens	2384.2	0.0	2384.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.8	1.1
10°-20°	99.2	4.2
20°-30°	193.9	8.1
30°-40°	339.0	14.2
40°-50°	494.4	20.7
50°-60°	578.1	24.2
60°-70°	468.6	19.7
70°-80°	176.1	7.4
80°-90°	8.0	0.3
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°	2384.2	100.0
0°-180°	2384.2	100.0

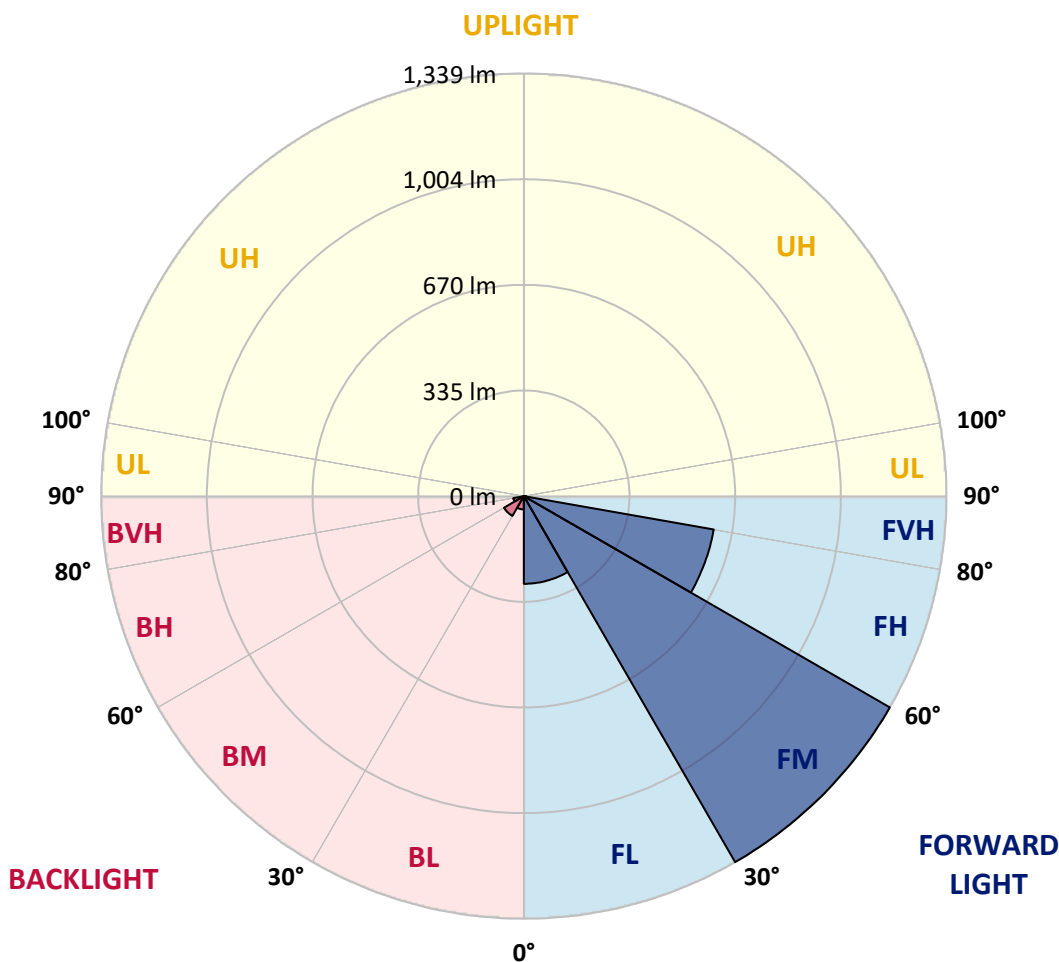


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	277.7	11.6			
FM (30°-60°)	1339.0	56.2			
FH (60°-80°)	610.9	25.6			G0/660
FVH (80°-90°)	7.5	0.3			G0/10
BL (0°-30°)	42.2	1.8	B0/110		
BM (30°-60°)	72.5	3.0	B0/220		
BH (60°-80°)	33.8	1.4	B0/110		G0/110
BVH (80°-90°)	0.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G0**  
 Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4
2.5°	342.9	330.4	332.7	327.6	320.9	305.4	289.1	272.7	258.1	254.8	240.2
5°	439.1	435.2	431.1	427.7	413.7	394.3	364.8	327.4	293.6	287.8	257.4
7.5°	513.8	507.9	511.6	501.1	486.4	467.7	430.2	390.2	338.1	329.5	282.4
10°	568.9	565.6	567.4	562.4	555.3	536.6	499.6	449.4	389.1	372.8	310.4
12.5°	610.2	610.8	618.4	618.8	613.0	597.7	558.5	506.2	435.4	420.8	341.4
15°	640.3	641.0	650.2	660.1	666.8	658.8	623.3	564.8	489.9	469.9	373.9
17.5°	645.3	645.7	662.1	682.1	702.7	709.6	682.3	622.9	539.6	516.8	411.1
20°	648.5	652.2	666.8	689.8	722.5	743.8	729.0	678.6	587.8	561.3	447.7
22.5°	687.7	687.7	696.3	712.6	738.7	772.0	769.0	729.9	634.7	608.5	484.1
25°	770.7	770.7	762.4	758.0	772.0	798.3	805.8	784.5	688.3	657.3	522.4
27.5°	880.7	880.7	867.6	836.0	823.9	834.9	842.9	832.1	737.8	707.3	562.8
30°	994.8	998.7	975.9	935.6	893.4	885.0	877.3	874.9	790.5	756.1	603.9
32.5°	1109.3	1108.9	1080.5	1030.3	975.2	945.5	920.3	917.5	846.5	812.7	642.9
35°	1200.8	1201.0	1171.1	1119.6	1055.9	1018.0	977.6	964.5	907.9	870.2	689.4
37.5°	1280.0	1275.5	1243.2	1194.3	1134.9	1095.7	1045.4	1011.2	971.3	933.0	735.9
40°	1325.4	1319.4	1288.0	1241.5	1196.5	1166.6	1122.2	1067.6	1041.1	999.8	788.8
42.5°	1332.1	1326.9	1306.0	1278.1	1241.2	1215.0	1203.1	1131.3	1114.3	1076.8	852.1
45°	1313.3	1305.0	1298.1	1283.4	1273.1	1260.4	1276.5	1199.1	1198.2	1161.0	914.7
47.5°	1266.9	1255.5	1257.2	1273.3	1284.9	1296.3	1346.7	1288.0	1282.8	1247.9	997.0
50°	1187.4	1181.8	1200.8	1232.6	1278.7	1324.3	1416.7	1378.8	1399.2	1366.5	1110.4
52.5°	1026.0	1032.9	1089.5	1166.1	1245.8	1337.5	1482.3	1514.4	1566.7	1539.8	1224.5
55°	832.3	829.7	905.3	1041.3	1168.5	1329.1	1510.9	1594.2	1676.4	1648.3	1288.0
57.5°	670.4	675.0	726.0	860.5	1037.4	1264.3	1517.6	1636.0	1720.6	1701.8	1346.7
60°	503.2	507.5	554.0	671.1	863.1	1129.1	1462.5	1650.6	1803.4	1789.2	1440.6
62.5°	320.3	325.9	372.6	486.4	659.7	919.0	1338.7	1635.3	1890.0	1901.8	1568.6
65°	157.6	162.5	196.9	284.1	441.0	687.2	1166.1	1577.0	2000.2	2033.9	1671.3
67.5°	87.2	89.5	101.4	144.6	246.0	471.4	937.1	1452.4	2050.7	2095.9	1678.2
70°	67.8	68.4	73.0	84.4	119.9	276.6	666.6	1244.9	1945.9	2000.6	1538.5
72.5°	57.0	57.9	60.0	63.9	74.9	144.0	418.8	962.1	1637.3	1662.0	1190.2
75°	41.8	43.0	49.1	52.5	59.2	87.4	184.7	578.1	1082.0	1057.7	665.9
77.5°	35.1	36.2	37.7	42.6	48.9	59.6	64.8	242.4	440.4	382.9	174.8
80°	23.9	25.2	29.3	31.9	41.3	39.4	26.9	65.0	88.5	72.1	33.6
82.5°	17.0	18.1	20.2	26.0	29.9	20.9	14.6	19.8	21.3	20.2	11.0
85°	5.4	6.9	14.6	21.5	16.1	7.1	9.3	7.5	6.7	6.5	4.3
87.5°	1.1	1.1	7.3	8.6	6.5	3.7	3.2	2.4	3.0	3.0	2.4
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°	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4
2.5°	233.3	223.6	209.6	196.5	183.2	173.7	167.0	160.3	157.8	156.7	153.9
5°	243.6	225.1	197.4	175.0	158.6	148.3	142.1	136.7	133.2	132.2	130.6
7.5°	258.5	231.8	192.0	166.2	149.8	138.6	128.5	116.9	107.6	104.0	102.5
10°	274.6	241.9	192.8	164.4	142.7	118.2	95.6	76.8	68.7	65.6	63.5
12.5°	298.3	253.1	196.5	162.5	121.4	84.4	61.1	53.4	51.4	51.0	50.6
15°	322.0	268.8	202.5	149.6	90.6	57.5	50.8	48.0	46.9	45.8	45.8
17.5°	345.9	283.9	204.9	124.4	62.6	49.7	46.3	43.9	42.2	41.3	40.7
20°	372.8	299.8	198.0	93.6	50.1	45.4	41.5	38.7	37.2	36.4	35.7
22.5°	401.8	315.5	182.9	65.2	45.6	40.9	37.2	34.4	32.9	32.1	31.9
25°	429.2	329.1	158.8	49.1	41.1	36.6	33.1	30.8	29.7	28.8	28.6
27.5°	457.4	340.7	127.4	43.3	37.5	33.1	29.7	27.8	26.7	26.0	25.8
30°	484.9	348.7	94.9	39.6	34.2	29.9	26.9	25.4	24.3	23.7	23.5
32.5°	513.3	353.2	64.1	36.4	31.0	27.1	24.5	23.0	22.4	21.7	21.7
35°	540.7	352.6	46.3	33.4	28.4	24.5	22.2	21.1	20.9	20.2	20.2
37.5°	570.6	348.0	39.4	30.6	25.6	22.2	20.2	19.6	19.4	18.9	18.7
40°	604.6	337.9	35.9	28.4	23.2	20.2	18.5	18.1	17.9	17.4	17.4
42.5°	641.8	324.8	34.0	26.0	21.3	18.3	17.0	16.4	16.1	15.7	15.7
45°	685.1	312.3	32.7	23.7	19.6	16.8	15.5	14.9	14.6	14.2	14.2
47.5°	744.1	305.2	30.6	21.5	17.6	15.3	14.0	13.6	13.1	12.7	12.7
50°	825.2	296.8	27.8	19.4	16.1	13.8	12.9	12.3	12.1	11.6	11.6
52.5°	891.9	278.9	25.0	17.2	14.4	12.7	11.8	11.4	11.0	10.8	10.8
55°	915.4	258.1	22.2	15.5	13.1	11.8	11.0	10.5	10.3	10.1	10.1
57.5°	952.8	251.4	19.6	13.8	11.8	11.0	10.1	9.9	9.7	9.5	9.3
60°	1016.8	255.3	17.2	12.3	10.8	9.9	9.3	9.0	8.6	8.2	8.2
62.5°	1078.7	250.5	14.6	10.8	9.3	8.8	8.2	7.7	6.9	6.2	5.8
65°	1093.8	218.9	12.7	9.0	7.7	7.3	6.7	5.8	4.5	3.7	3.7
67.5°	1020.8	166.4	11.0	7.7	6.5	6.0	4.7	3.9	2.8	2.2	2.2
70°	842.4	105.5	9.0	6.0	5.4	4.1	3.0	2.8	1.9	1.7	1.5
72.5°	607.8	57.7	7.5	5.0	3.9	2.6	2.2	1.7	1.3	0.9	0.9
75°	307.8	27.1	5.6	3.9	2.6	1.7	1.3	0.9	0.9	0.6	0.6
77.5°	87.2	12.5	3.7	2.6	1.7	1.1	0.9	0.6	0.6	0.4	0.4
80°	17.2	6.2	2.4	1.7	1.3	0.9	0.6	0.4	0.4	0.2	0.2
82.5°	6.2	3.2	1.7	1.3	1.1	0.9	0.4	0.2	0.2	0.0	0.0
85°	3.2	1.7	1.3	1.1	0.9	0.6	0.4	0.2	0.0	0.0	0.0
87.5°	1.7	1.3	1.1	1.1	0.9	0.6	0.4	0.2	0.0	0.0	0.0
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)