

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: P675112

Luminaire Tested: **CCW-SA-1B-735-U-T4FT**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P675112  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1B-735-U-T4FT  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/  
T4FT distribution lens  
Light Source: (16) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

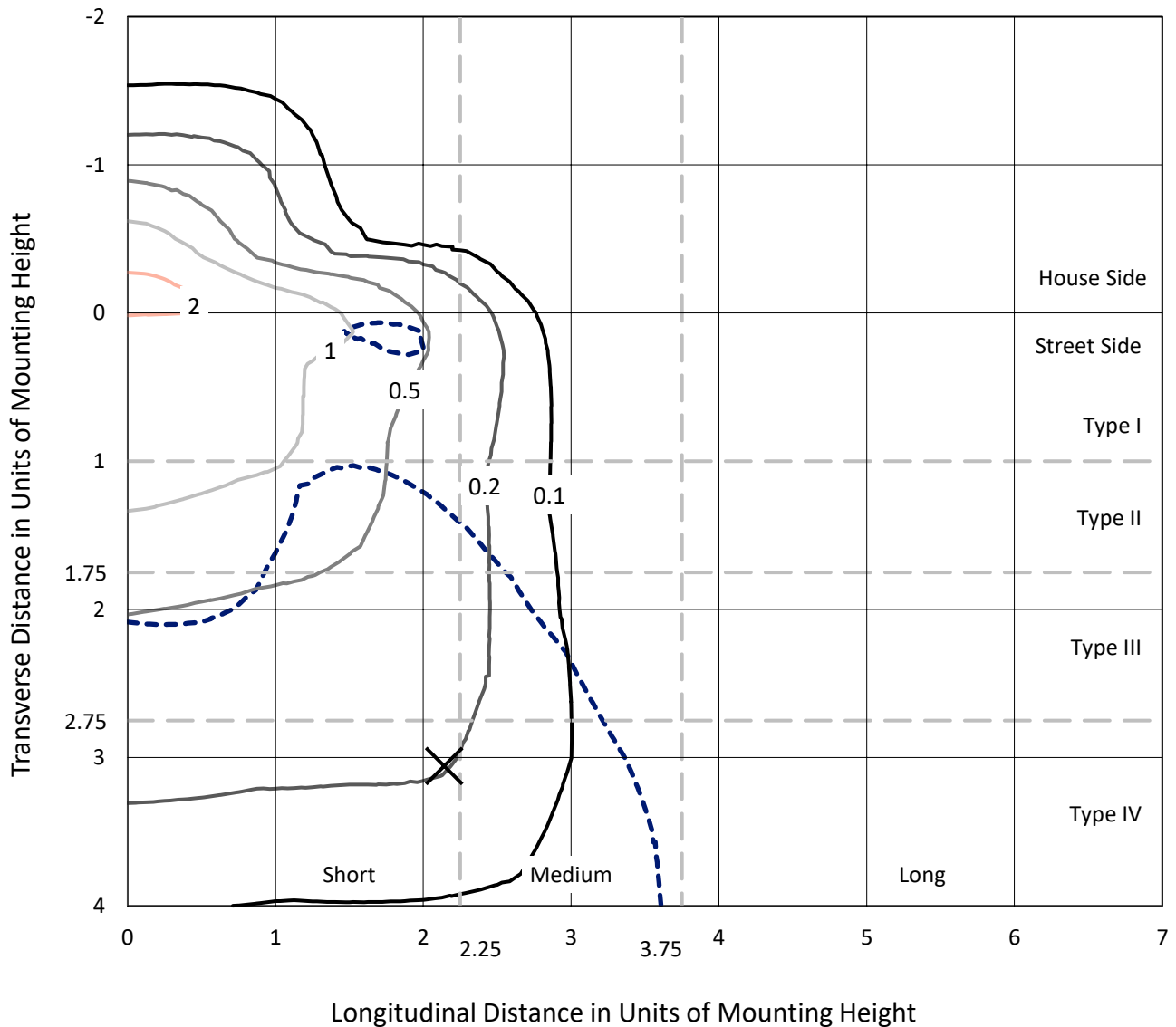
Lumens per Lamp: N/A  
Luminaire Lumens: 3404.2 lumens  
Efficiency: N/A  
Efficacy: 141.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

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

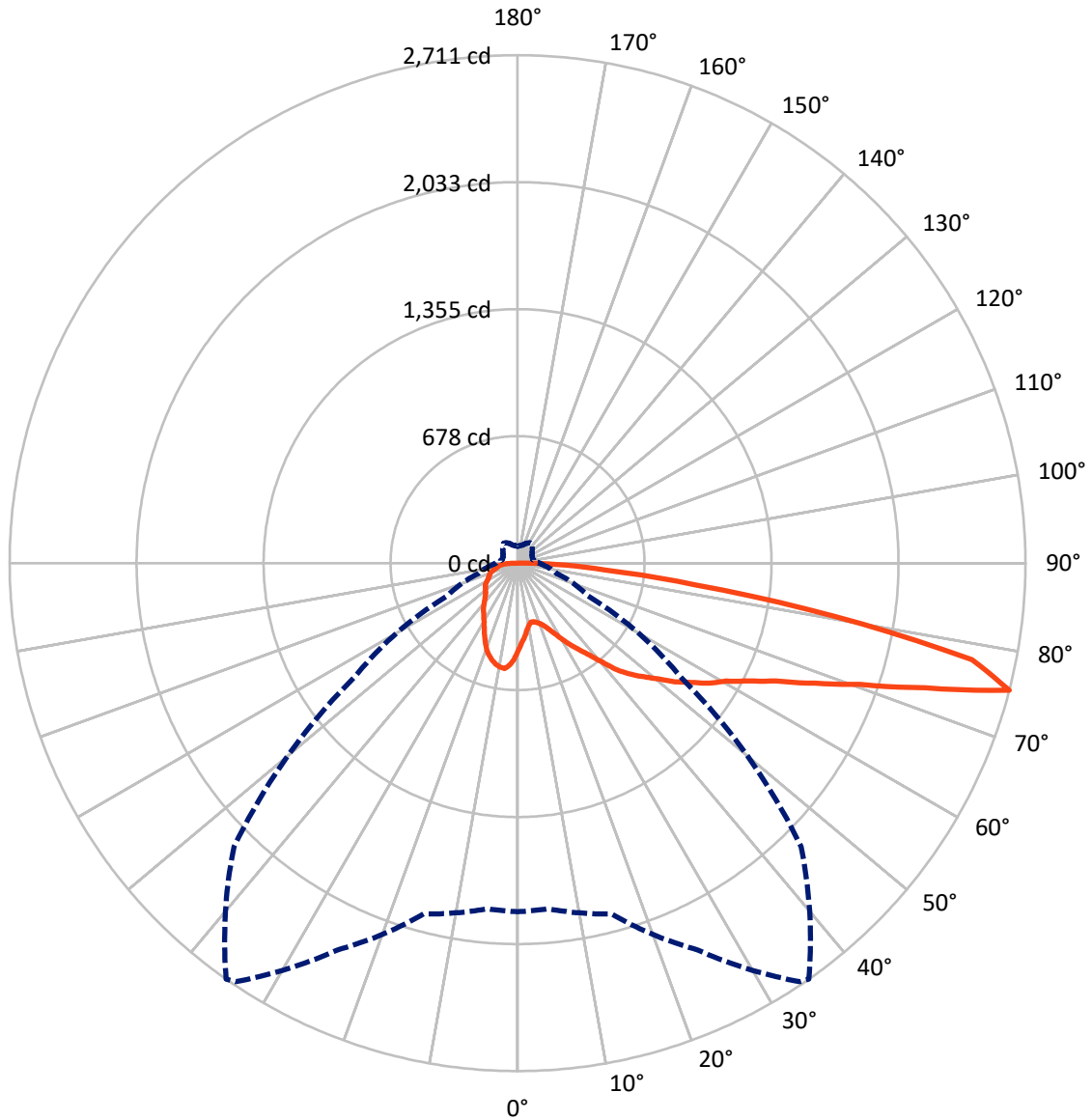
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	782.4	0.0	782.4
	% Fixture	23.0	0.0	23.0
<b>Street Side</b>	Lumens	2621.8	0.0	2621.8
	% Fixture	77.0	0.0	77.0
<b>Total</b>	Lumens	3404.2	0.0	3404.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.4	1.3
10°-20°	129.0	3.8
20°-30°	214.0	6.3
30°-40°	317.3	9.3
40°-50°	457.4	13.4
50°-60°	629.1	18.5
60°-70°	777.0	22.8
70°-80°	710.9	20.9
80°-90°	125.1	3.7
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°	3404.2	100.0
0°-180°	3404.2	100.0



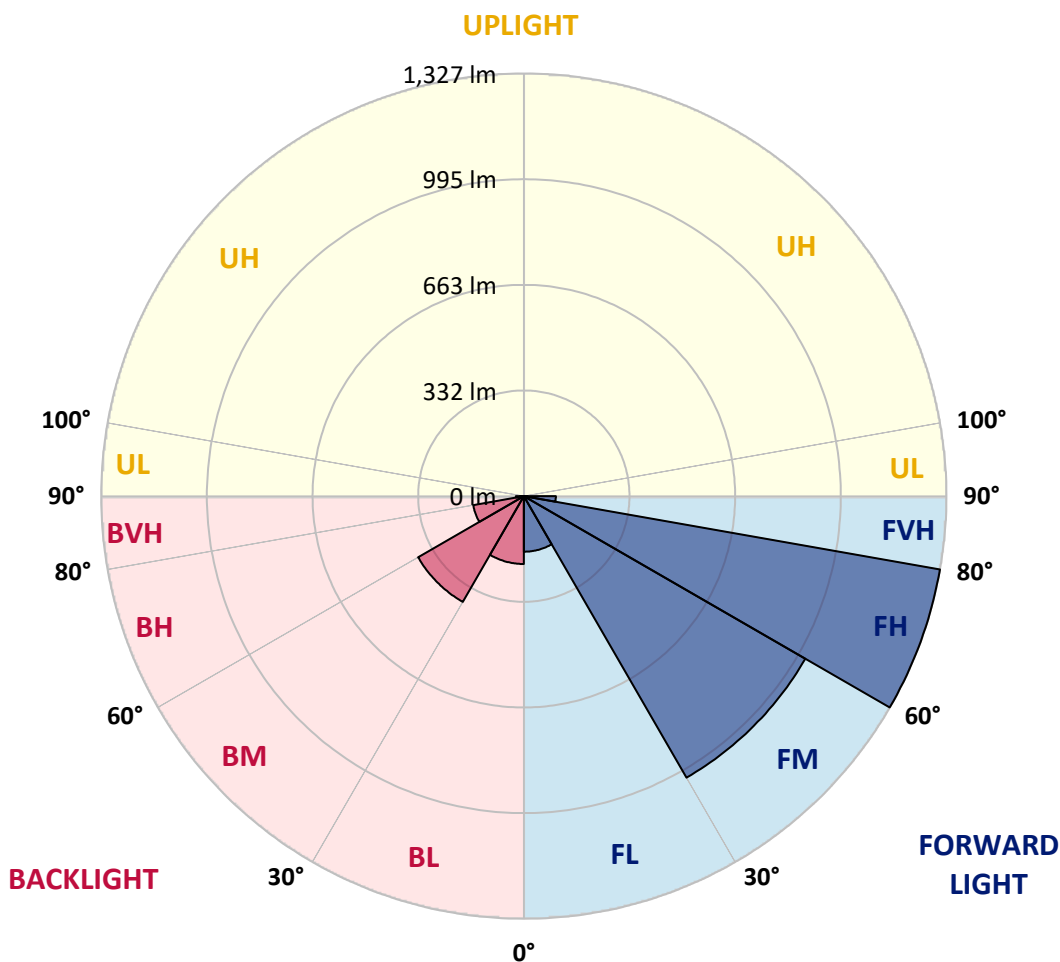
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	174.5	5.1			
FM (30°-60°)	1020.4	30.0			
FH (60°-80°)	1326.5	39.0			G1/1800
FVH (80°-90°)	100.4	3.0			G2/225
BL (0°-30°)	212.9	6.3	B1/500		
BM (30°-60°)	383.4	11.3	B1/1000		
BH (60°-80°)	161.3	4.7	B1/500		G1/500
BVH (80°-90°)	24.7	0.7			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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	466.4	466.4	466.4	466.4	466.4	466.4	466.4	466.4	466.4	466.4	466.4
2.5°	422.5	418.8	422.5	425.0	425.0	425.0	428.8	440.1	447.6	452.6	461.4
5°	378.6	379.9	382.4	388.7	392.4	394.9	401.2	415.0	426.3	442.6	461.4
7.5°	339.8	342.3	346.0	352.3	361.1	359.8	373.6	392.4	413.7	435.0	462.6
10°	319.7	324.7	326.0	327.2	336.0	336.0	354.8	376.1	402.5	430.0	462.6
12.5°	323.5	323.5	319.7	318.5	323.5	322.2	338.5	363.6	392.4	431.3	467.6
15°	334.8	334.8	327.2	319.7	327.2	324.7	338.5	358.6	392.4	432.5	477.7
17.5°	349.8	351.0	342.3	329.7	332.2	333.5	343.5	362.3	392.4	435.0	491.5
20°	379.9	373.6	359.8	339.8	348.5	344.8	359.8	376.1	399.9	445.1	511.5
22.5°	406.2	406.2	379.9	362.3	363.6	363.6	377.4	391.2	411.2	458.9	526.6
25°	448.8	446.3	413.7	387.4	389.9	391.2	398.7	415.0	430.0	466.4	545.4
27.5°	502.8	496.5	463.9	433.8	423.8	427.5	431.3	443.8	447.6	478.9	567.9
30°	560.4	551.6	524.1	476.4	471.4	472.7	466.4	473.9	468.9	499.0	590.5
32.5°	596.8	596.8	570.5	535.3	521.6	521.6	500.2	505.3	505.3	517.8	630.6
35°	628.1	625.6	608.1	581.7	573.0	567.9	546.6	554.2	541.6	554.2	687.1
37.5°	675.8	668.2	660.7	643.2	625.6	621.9	610.6	615.6	598.0	591.8	751.0
40°	730.9	727.2	719.7	712.1	694.6	693.3	680.8	685.8	667.0	643.2	814.9
42.5°	812.4	801.1	777.3	771.1	774.8	779.8	774.8	766.0	732.2	702.1	883.9
45°	893.9	876.4	831.2	821.2	850.0	846.3	867.6	863.8	808.7	761.0	956.6
47.5°	946.6	931.5	895.2	888.9	901.4	906.5	970.4	959.1	871.4	814.9	1026.8
50°	984.2	985.4	937.8	954.1	970.4	970.4	1050.6	1049.4	947.8	881.4	1118.3
52.5°	1039.4	1021.8	1001.7	1016.8	1039.4	1051.9	1150.9	1123.4	995.5	937.8	1221.1
55°	1068.2	1060.7	1043.1	1069.4	1117.1	1123.4	1228.7	1207.4	1049.4	1004.3	1326.5
57.5°	1079.5	1085.7	1114.6	1125.9	1192.3	1208.6	1298.9	1268.8	1099.5	1087.0	1408.0
60°	1129.6	1120.8	1159.7	1204.8	1268.8	1277.6	1386.6	1321.4	1148.4	1140.9	1434.3
62.5°	1231.2	1208.6	1229.9	1283.8	1372.9	1384.1	1479.4	1391.7	1169.7	1177.3	1433.0
65°	1379.1	1362.8	1331.5	1374.1	1499.5	1515.8	1588.5	1451.8	1163.5	1164.7	1331.5
67.5°	1553.4	1527.1	1494.5	1520.8	1673.8	1711.4	1721.4	1478.2	1119.6	1094.5	1083.2
70°	1706.3	1688.8	1667.5	1712.6	1925.8	1939.5	1886.9	1461.9	998.0	878.9	722.2
72.5°	1849.3	1840.5	1853.0	2022.3	2266.8	2275.5	2042.4	1359.1	788.6	532.8	336.0
75°	1860.6	1851.8	1938.3	2278.1	2694.3	2710.6	2138.9	1065.7	416.2	216.9	141.7
77.5°	1260.0	1286.3	1448.1	1994.7	2474.9	2478.7	1749.0	495.2	171.8	127.9	99.0
80°	309.7	343.5	545.4	1031.8	1668.7	1710.1	957.9	166.7	112.8	97.8	74.0
82.5°	112.8	122.9	221.9	466.4	937.8	954.1	334.8	90.3	81.5	75.2	53.9
85°	53.9	55.2	105.3	229.4	473.9	468.9	120.4	53.9	58.9	51.4	32.6
87.5°	22.6	22.6	46.4	106.6	209.4	203.1	38.9	25.1	33.9	30.1	16.3
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°	466.4	466.4	466.4	466.4	466.4	466.4	466.4	466.4	466.4	466.4	466.4
2.5°	467.6	470.2	480.2	487.7	495.2	501.5	511.5	511.5	517.8	517.8	517.8
5°	466.4	480.2	496.5	514.0	525.3	536.6	546.6	547.9	551.6	556.7	557.9
7.5°	471.4	485.2	511.5	536.6	550.4	555.4	567.9	564.2	564.2	564.2	567.9
10°	481.4	496.5	532.8	555.4	565.4	566.7	562.9	560.4	552.9	550.4	546.6
12.5°	489.0	515.3	551.6	569.2	565.4	561.7	552.9	540.4	531.6	529.1	529.1
15°	507.8	534.1	567.9	574.2	567.9	547.9	536.6	522.8	515.3	504.0	509.0
17.5°	524.1	554.2	584.2	576.7	564.2	532.8	516.5	496.5	486.5	473.9	473.9
20°	545.4	573.0	599.3	579.2	551.6	517.8	491.5	466.4	452.6	440.1	442.6
22.5°	569.2	594.3	608.1	569.2	532.8	494.0	457.6	433.8	416.2	408.7	411.2
25°	588.0	615.6	613.1	552.9	510.3	463.9	423.8	401.2	397.4	389.9	389.9
27.5°	611.8	640.7	609.3	532.8	472.7	416.2	391.2	382.4	382.4	378.6	381.1
30°	643.2	663.2	600.5	504.0	425.0	373.6	361.1	366.1	374.9	371.1	372.4
32.5°	694.6	692.1	593.0	471.4	374.9	332.2	341.0	351.0	358.6	362.3	364.8
35°	744.7	728.4	584.2	427.5	328.5	312.2	319.7	331.0	344.8	348.5	349.8
37.5°	794.9	766.0	569.2	373.6	299.6	294.6	302.2	308.4	319.7	322.2	324.7
40°	847.5	791.1	542.9	321.0	275.8	275.8	280.8	282.1	288.4	292.1	294.6
42.5°	893.9	814.9	495.2	272.1	250.7	259.5	260.8	258.3	253.3	255.8	257.0
45°	950.3	841.3	440.1	237.0	231.9	243.2	245.7	235.7	226.9	221.9	219.4
47.5°	1005.5	868.8	392.4	208.1	214.4	231.9	231.9	220.7	205.6	193.1	188.1
50°	1055.7	896.4	353.6	190.6	196.8	223.2	225.7	204.4	188.1	173.0	170.5
52.5°	1139.7	942.8	313.4	176.8	186.8	216.9	215.6	196.8	175.5	159.2	158.0
55°	1213.6	989.2	260.8	163.0	176.8	208.1	211.9	189.3	160.5	145.4	142.9
57.5°	1267.5	1000.5	208.1	149.2	166.7	198.1	203.1	174.3	150.4	137.9	136.7
60°	1277.6	956.6	169.3	137.9	153.0	184.3	188.1	165.5	142.9	132.9	130.4
62.5°	1231.2	872.6	144.2	127.9	141.7	170.5	178.0	155.5	135.4	126.6	125.4
65°	1125.9	749.7	126.6	119.1	134.2	160.5	169.3	147.9	129.1	121.6	120.4
67.5°	891.4	575.5	112.8	112.8	124.1	150.4	163.0	142.9	122.9	117.9	116.6
70°	583.0	346.0	102.8	104.1	116.6	141.7	155.5	136.7	115.3	114.1	111.6
72.5°	250.7	159.2	91.5	95.3	105.3	126.6	144.2	127.9	106.6	102.8	99.0
75°	115.3	96.5	82.7	85.3	94.0	111.6	130.4	117.9	99.0	92.8	89.0
77.5°	81.5	70.2	69.0	74.0	80.2	96.5	115.3	110.3	91.5	86.5	84.0
80°	60.2	53.9	57.7	62.7	66.4	89.0	109.1	101.6	84.0	76.5	72.7
82.5°	42.6	40.1	45.1	50.1	53.9	77.7	100.3	89.0	70.2	63.9	57.7
85°	25.1	26.3	31.3	33.9	37.6	57.7	84.0	71.5	53.9	41.4	40.1
87.5°	11.3	11.3	15.0	16.3	18.8	33.9	56.4	45.1	33.9	26.3	25.1
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)