

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: P675544

Luminaire Tested: **CCW-SA-1B-735-U-SL3**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P675544  
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-SL3  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/  
SL3 distribution lens  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

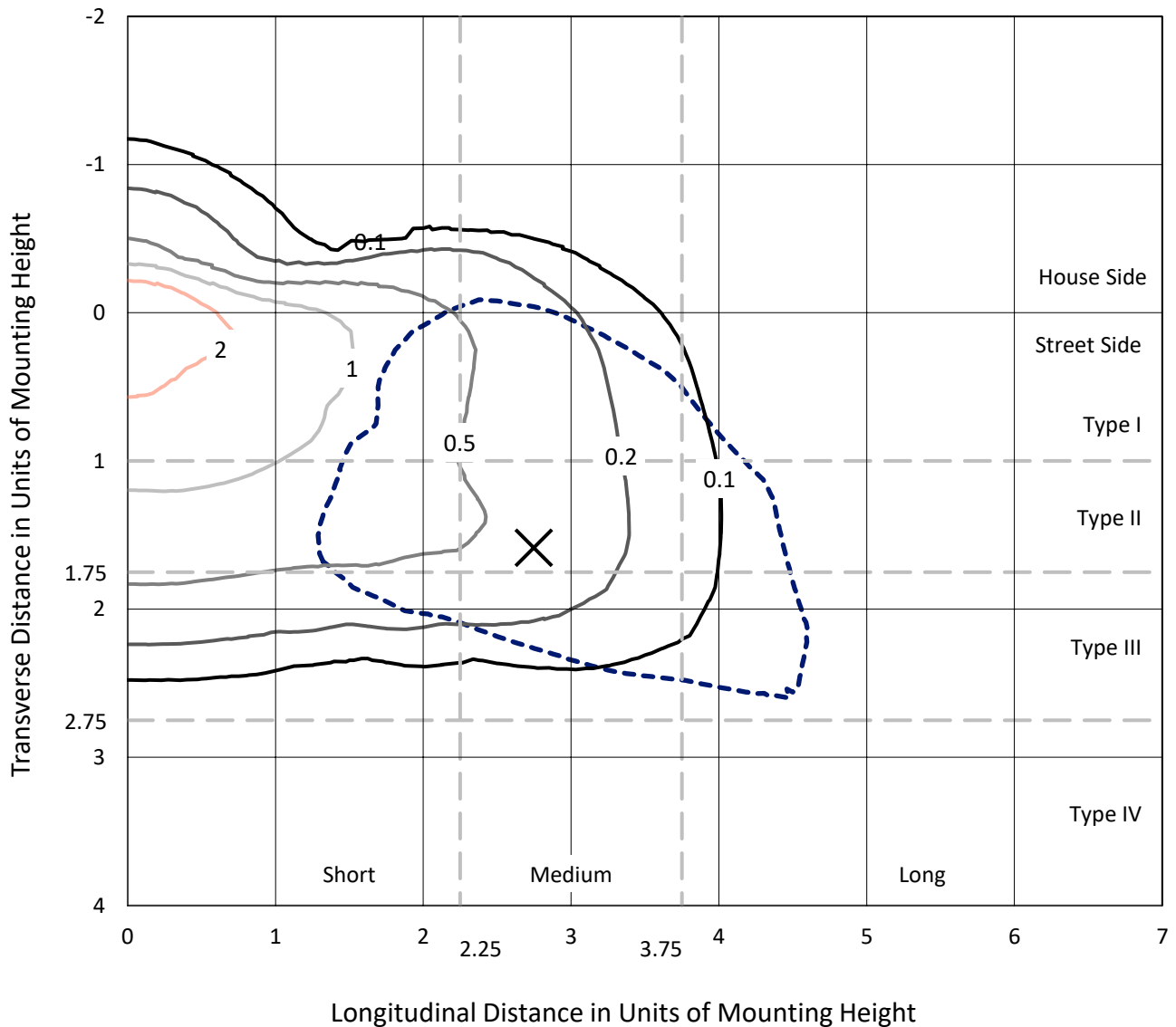
Lumens per Lamp: N/A  
Luminaire Lumens: 3367.9 lumens  
Efficiency: N/A  
Efficacy: 140.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 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

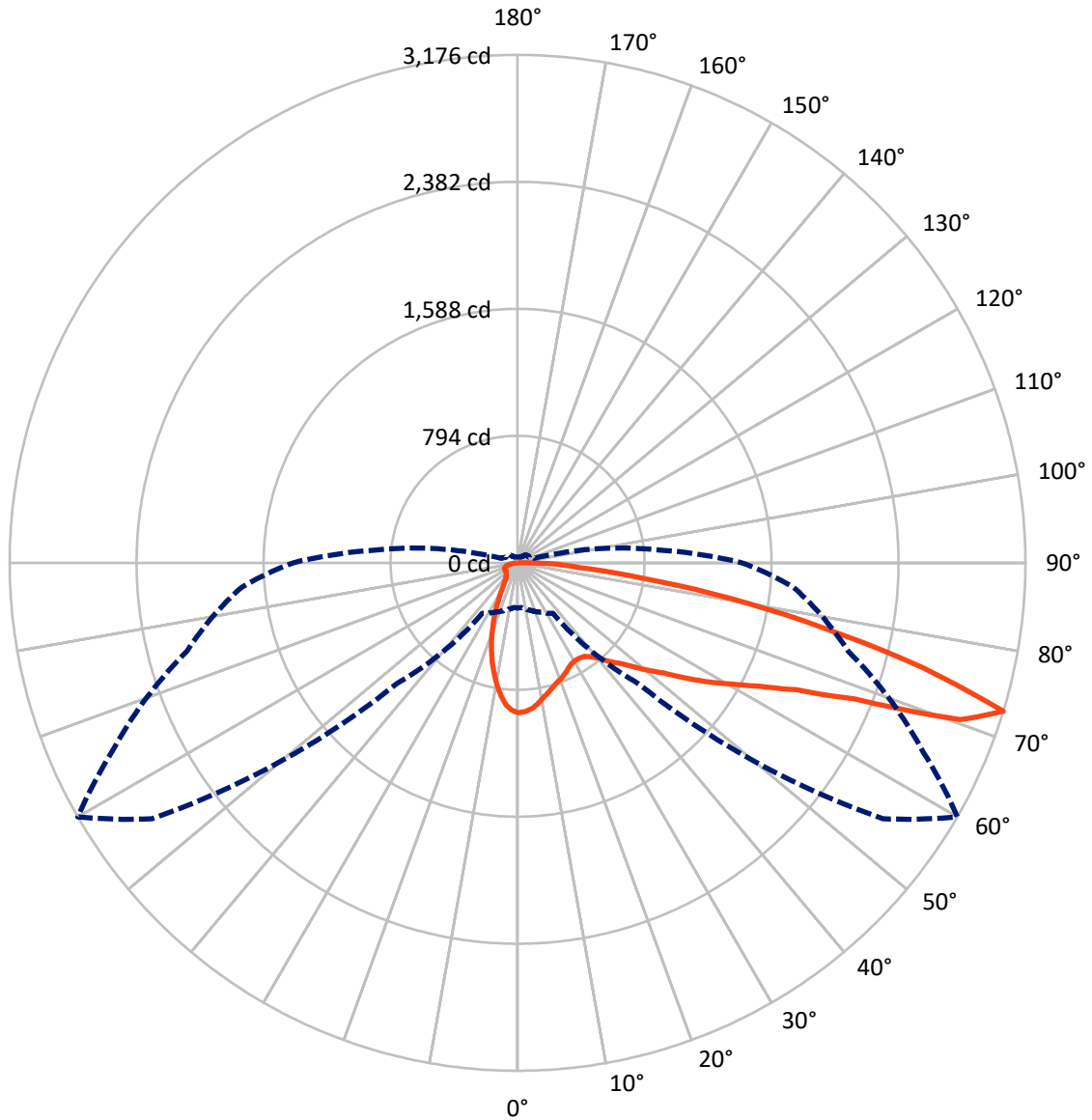
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.2 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	578.6	0.0	578.6
	% Fixture	17.2	0.0	17.2
<b>Street Side</b>	Lumens	2789.4	0.0	2789.4
	% Fixture	82.8	0.0	82.8
<b>Total</b>	Lumens	3367.9	0.0	3367.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.3	2.4
10°-20°	184.3	5.5
20°-30°	235.9	7.0
30°-40°	301.8	9.0
40°-50°	413.9	12.3
50°-60°	598.7	17.8
60°-70°	821.3	24.4
70°-80°	616.3	18.3
80°-90°	114.5	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°	3367.9	100.0
0°-180°	3367.9	100.0

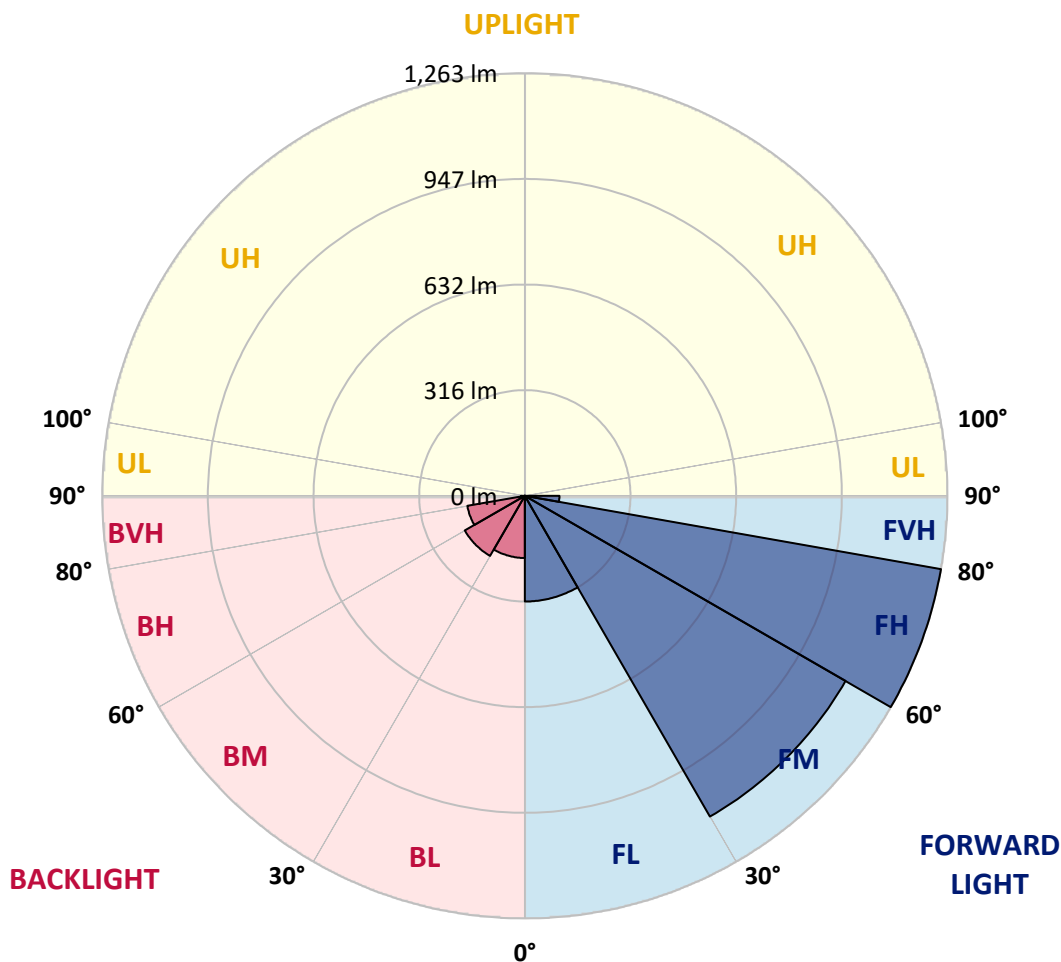


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	315.8	9.4			
FM (30°-60°)	1107.0	32.9			
FH (60°-80°)	1263.2	37.5			G1/1800
FVH (80°-90°)	103.4	3.1			G2/225
BL (0°-30°)	185.7	5.5	B1/500		
BM (30°-60°)	207.3	6.2	B0/220		
BH (60°-80°)	174.3	5.2	B1/500		G1/500
BVH (80°-90°)	11.2	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°	937.8	937.8	937.8	937.8	937.8	937.8	937.8	937.8	937.8	937.8	937.8
2.5°	917.7	926.5	929.0	929.0	936.5	927.8	940.3	930.3	932.8	936.5	934.0
5°	873.9	888.9	880.1	896.4	890.2	901.4	916.5	916.5	912.7	920.2	914.0
7.5°	831.2	826.2	841.3	841.3	851.3	866.3	878.9	891.4	892.7	895.2	893.9
10°	773.6	779.8	787.4	797.4	809.9	825.0	851.3	861.3	863.8	878.9	875.1
12.5°	725.9	734.7	739.7	759.8	771.1	792.4	822.5	836.2	837.5	858.8	858.8
15°	690.8	695.8	707.1	714.6	739.7	769.8	798.6	811.2	825.0	847.5	841.3
17.5°	667.0	673.3	678.3	688.3	712.1	737.2	782.3	789.9	806.2	838.8	831.2
20°	653.2	654.5	662.0	668.2	689.6	713.4	753.5	773.6	794.9	823.7	816.2
22.5°	655.7	650.7	649.4	658.2	662.0	684.5	733.4	754.8	784.8	818.7	806.2
25°	660.7	662.0	659.5	651.9	653.2	673.3	705.9	733.4	767.3	817.4	792.4
27.5°	673.3	679.5	669.5	662.0	654.5	662.0	695.8	715.9	753.5	823.7	791.1
30°	685.8	692.1	689.6	678.3	663.2	660.7	684.5	709.6	746.0	828.7	791.1
32.5°	704.6	713.4	704.6	708.4	690.8	679.5	688.3	710.9	753.5	846.3	792.4
35°	725.9	733.4	735.9	727.2	723.4	702.1	707.1	718.4	761.0	866.3	804.9
37.5°	749.7	758.5	766.0	767.3	754.8	742.2	739.7	746.0	779.8	901.4	818.7
40°	766.0	771.1	786.1	798.6	802.4	784.8	783.6	783.6	813.7	932.8	843.8
42.5°	793.6	791.1	812.4	835.0	841.3	831.2	833.7	843.8	861.3	977.9	883.9
45°	807.4	804.9	830.0	867.6	896.4	891.4	893.9	897.7	914.0	1049.4	951.6
47.5°	826.2	828.7	865.1	907.7	937.8	955.4	969.1	967.9	980.4	1122.1	1026.8
50°	845.0	850.0	893.9	939.1	991.7	1021.8	1041.9	1055.7	1068.2	1198.6	1113.3
52.5°	881.4	886.4	935.3	984.2	1051.9	1095.8	1145.9	1144.7	1145.9	1275.1	1199.8
55°	934.0	935.3	964.1	1020.5	1112.1	1192.3	1261.3	1268.8	1247.5	1370.3	1298.9
57.5°	994.2	999.2	1024.3	1066.9	1159.7	1285.1	1390.4	1405.4	1347.8	1448.1	1389.2
60°	1050.6	1054.4	1093.3	1142.2	1242.5	1401.7	1520.8	1538.3	1475.7	1543.4	1483.2
62.5°	986.7	1005.5	1074.5	1186.0	1387.9	1578.5	1686.3	1697.6	1599.8	1639.9	1583.5
65°	789.9	802.4	901.4	1082.0	1397.9	1899.4	1942.1	1912.0	1770.3	1764.0	1735.2
67.5°	440.1	450.1	517.8	707.1	1177.3	2019.8	2492.4	2271.8	2034.8	1950.8	1940.8
70°	347.3	349.8	358.6	397.4	653.2	1780.3	2926.2	2936.3	2467.4	2207.8	1984.7
72.5°	282.1	280.8	307.2	341.0	386.2	1068.2	2789.6	3175.7	2798.4	2140.1	1728.9
75°	215.6	219.4	253.3	302.2	353.6	502.8	2081.2	2612.8	2621.6	1994.7	1458.1
77.5°	164.2	165.5	203.1	267.0	346.0	354.8	1357.8	1947.1	1955.8	1544.6	803.7
80°	122.9	122.9	154.2	225.7	337.3	327.2	836.2	1350.3	1222.4	542.9	175.5
82.5°	70.2	75.2	102.8	171.8	305.9	314.7	471.4	773.6	516.5	147.9	81.5
85°	37.6	38.9	62.7	115.3	252.0	300.9	359.8	384.9	205.6	79.0	37.6
87.5°	13.8	13.8	28.8	58.9	159.2	223.2	285.9	245.7	117.9	36.4	18.8
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°	937.8	937.8	937.8	937.8	937.8	937.8	937.8	937.8	937.8	937.8	937.8
2.5°	936.5	931.5	927.8	931.5	917.7	911.5	919.0	915.2	907.7	904.0	901.4
5°	917.7	911.5	905.2	901.4	886.4	871.4	863.8	848.8	836.2	840.0	832.5
7.5°	897.7	891.4	872.6	855.1	825.0	794.9	781.1	759.8	752.2	746.0	742.2
10°	872.6	861.3	832.5	797.4	753.5	719.7	684.5	659.5	633.1	621.9	625.6
12.5°	841.3	835.0	789.9	735.9	674.5	618.1	576.7	536.6	501.5	482.7	477.7
15°	827.5	808.7	743.5	672.0	594.3	524.1	462.6	392.4	351.0	331.0	331.0
17.5°	812.4	777.3	699.6	601.8	512.8	422.5	336.0	272.1	239.5	228.2	228.2
20°	788.6	749.7	648.2	535.3	427.5	318.5	240.7	205.6	195.6	188.1	189.3
22.5°	771.1	723.4	600.5	470.2	338.5	237.0	189.3	178.0	174.3	171.8	173.0
25°	751.0	692.1	550.4	399.9	265.8	186.8	164.2	159.2	161.7	163.0	163.0
27.5°	734.7	665.7	499.0	324.7	200.6	158.0	147.9	146.7	151.7	154.2	155.5
30°	723.4	641.9	448.8	255.8	160.5	140.4	135.4	135.4	141.7	144.2	145.4
32.5°	712.1	621.9	394.9	195.6	136.7	125.4	124.1	125.4	129.1	129.1	130.4
35°	715.9	603.1	343.5	158.0	122.9	115.3	115.3	115.3	116.6	117.9	117.9
37.5°	723.4	598.0	288.4	132.9	112.8	107.8	107.8	106.6	107.8	106.6	107.8
40°	730.9	590.5	238.2	117.9	106.6	102.8	101.6	99.0	97.8	97.8	99.0
42.5°	762.3	600.5	195.6	107.8	101.6	99.0	95.3	92.8	91.5	91.5	91.5
45°	802.4	619.4	161.7	102.8	97.8	91.5	89.0	87.8	85.3	86.5	87.8
47.5°	862.6	648.2	141.7	99.0	94.0	86.5	84.0	81.5	81.5	84.0	84.0
50°	941.6	695.8	129.1	95.3	90.3	82.7	79.0	77.7	77.7	81.5	81.5
52.5°	1026.8	751.0	124.1	94.0	86.5	79.0	75.2	74.0	74.0	79.0	79.0
55°	1112.1	818.7	127.9	94.0	84.0	75.2	71.5	69.0	70.2	74.0	74.0
57.5°	1206.1	891.4	146.7	94.0	81.5	74.0	69.0	65.2	66.4	67.7	67.7
60°	1308.9	986.7	179.3	94.0	80.2	71.5	65.2	60.2	60.2	61.4	61.4
62.5°	1413.0	1080.7	225.7	95.3	81.5	70.2	60.2	55.2	53.9	55.2	55.2
65°	1549.6	1231.2	272.1	95.3	85.3	67.7	56.4	50.1	48.9	48.9	50.1
67.5°	1741.5	1339.0	210.6	91.5	87.8	67.7	52.7	46.4	43.9	43.9	43.9
70°	1639.9	1129.6	134.2	85.3	84.0	70.2	50.1	42.6	40.1	38.9	38.9
72.5°	1404.2	904.0	107.8	80.2	77.7	69.0	47.6	40.1	36.4	35.1	35.1
75°	1125.9	713.4	94.0	72.7	67.7	57.7	43.9	36.4	33.9	31.3	31.3
77.5°	551.6	298.4	71.5	63.9	57.7	43.9	38.9	33.9	30.1	27.6	27.6
80°	137.9	104.1	52.7	50.1	42.6	33.9	31.3	28.8	26.3	23.8	23.8
82.5°	74.0	61.4	37.6	33.9	28.8	23.8	23.8	22.6	21.3	18.8	17.6
85°	37.6	36.4	25.1	22.6	18.8	15.0	16.3	16.3	15.0	11.3	11.3
87.5°	20.1	20.1	12.5	10.0	8.8	7.5	7.5	7.5	6.3	5.0	5.0
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)