

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: P676840

Luminaire Tested: **CCW-SA-1B-735-U-SL2-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P676840  
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-SL2-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @450mA w/  
SL2 distribution lens and House Side Shield  
Light Source: (16) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

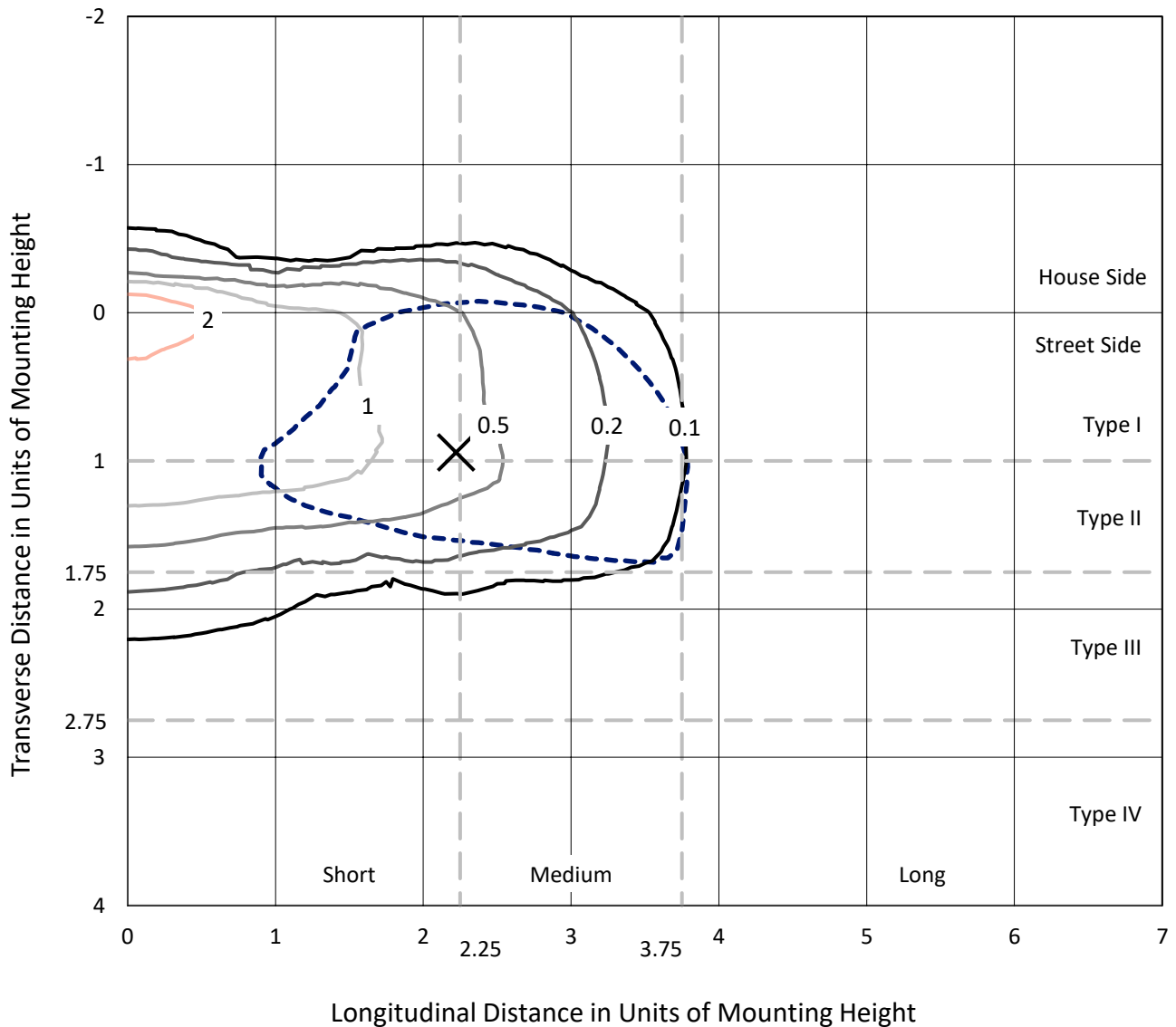
Lumens per Lamp: N/A  
Luminaire Lumens: 2739.2 lumens  
Efficiency: N/A  
Efficacy: 114.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

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

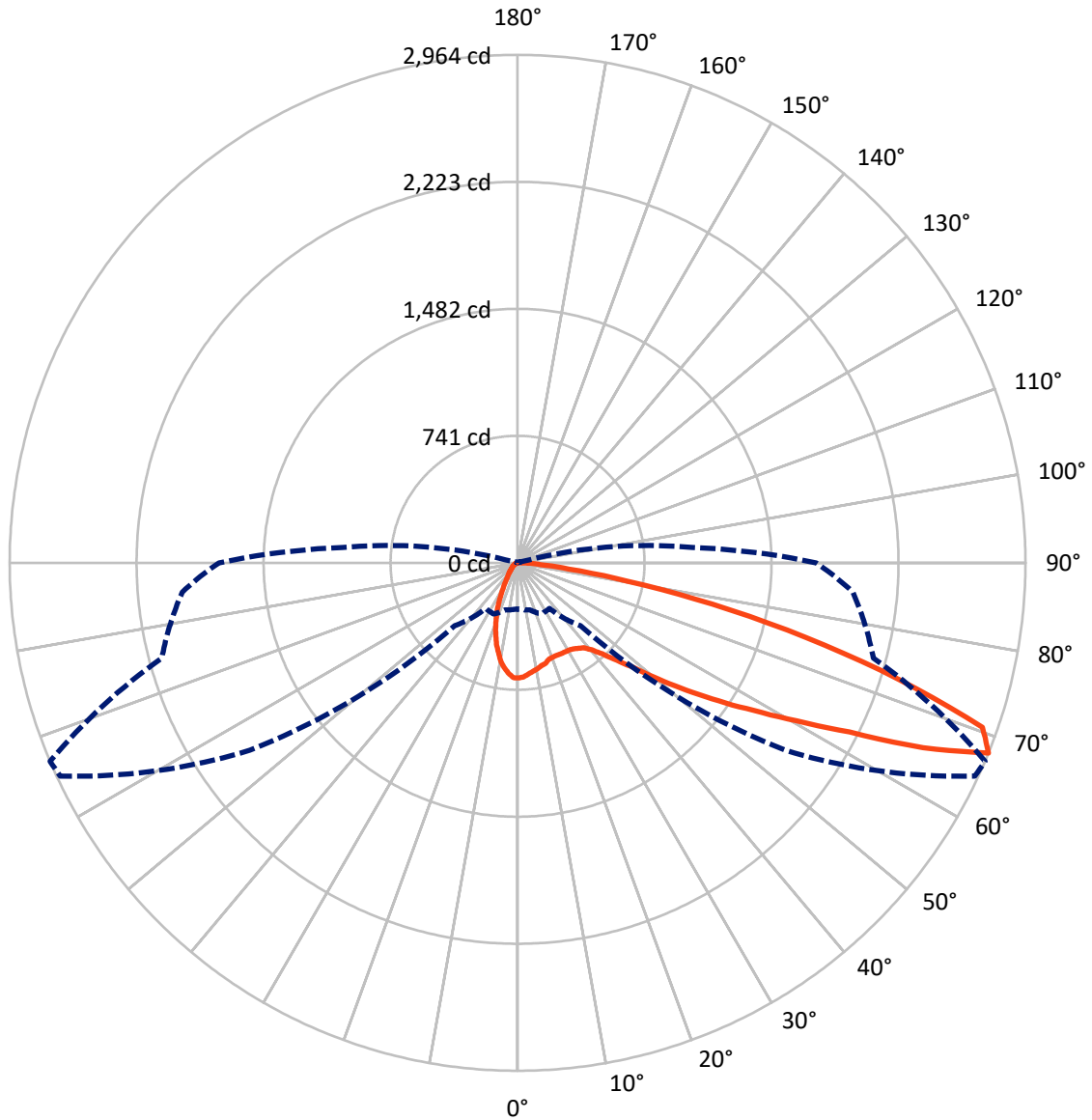
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	344.7	0.0	344.7
	% Fixture	12.6	0.0	12.6
<b>Street Side</b>	Lumens	2394.5	0.0	2394.5
	% Fixture	87.4	0.0	87.4
<b>Total</b>	Lumens	2739.2	0.0	2739.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.6	2.1
10°-20°	125.8	4.6
20°-30°	178.8	6.5
30°-40°	260.4	9.5
40°-50°	403.0	14.7
50°-60°	618.5	22.6
60°-70°	670.4	24.5
70°-80°	378.2	13.8
80°-90°	47.5	1.7
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°	2739.2	100.0
0°-180°	2739.2	100.0

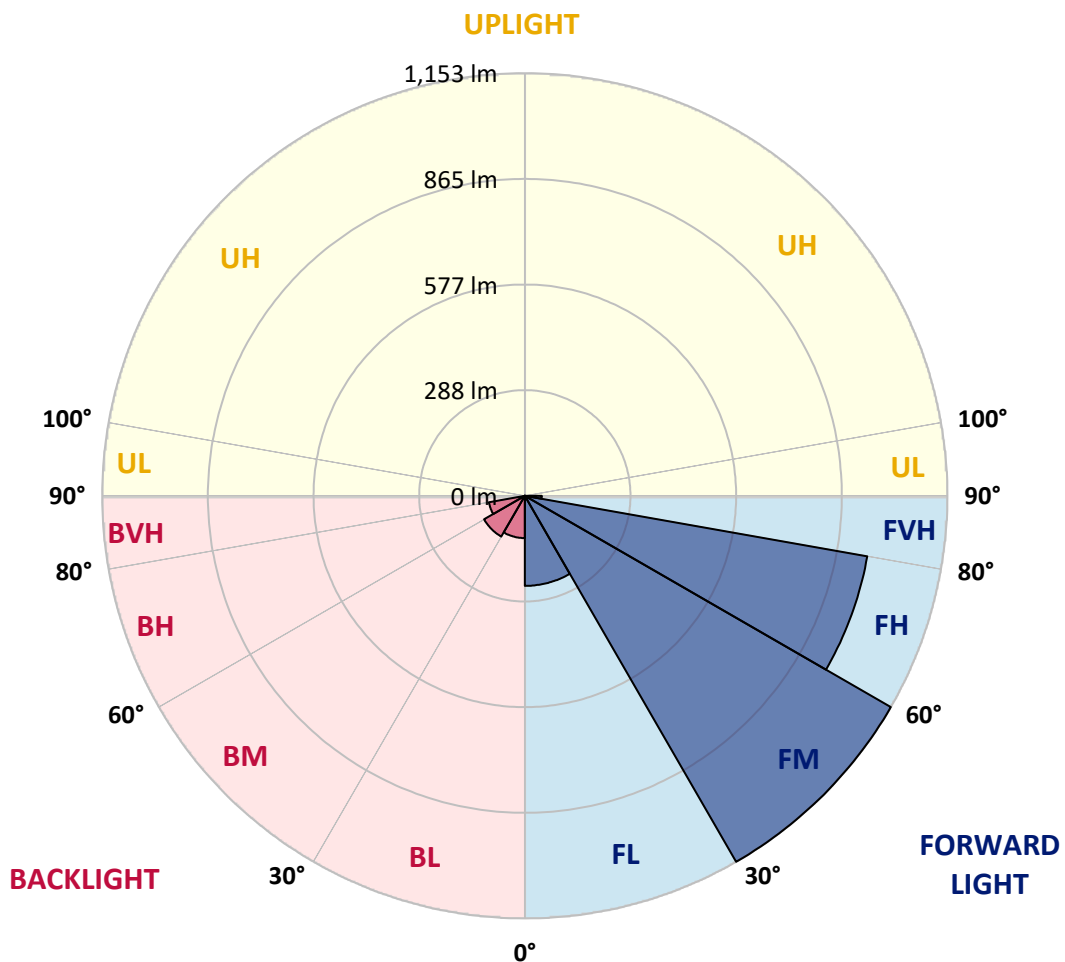


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	245.8	9.0			
FM (30°-60°)	1153.4	42.1			
FH (60°-80°)	949.1	34.6			G1/1800
FVH (80°-90°)	46.2	1.7			G1/100
BL (0°-30°)	115.4	4.2	B1/500		
BM (30°-60°)	128.4	4.7	B0/220		
BH (60°-80°)	99.6	3.6	B0/110		G0/110
BVH (80°-90°)	1.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	671.9	671.9	671.9	671.9	671.9	671.9	671.9	671.9	671.9	671.9	671.9
2.5°	642.8	646.1	650.8	657.4	662.0	659.3	661.3	672.5	666.6	671.9	669.2
5°	607.2	610.5	617.1	616.4	621.7	631.6	644.8	659.3	652.7	668.6	674.5
7.5°	570.2	568.9	568.9	582.8	594.0	607.9	615.1	638.9	639.5	653.4	667.9
10°	536.6	540.5	547.1	552.4	563.0	582.8	603.9	622.4	629.6	657.4	661.3
12.5°	516.1	518.1	526.0	530.6	544.5	563.6	586.1	609.8	615.8	644.2	663.3
15°	507.5	512.2	514.8	523.4	530.6	548.5	565.0	592.0	609.2	631.6	655.4
17.5°	514.1	512.2	513.5	516.1	524.7	540.5	558.4	585.4	591.4	629.0	664.6
20°	522.7	523.4	519.4	518.1	516.1	531.3	545.8	580.8	587.4	629.0	670.6
22.5°	545.8	538.6	545.8	535.3	524.7	531.3	545.2	581.5	586.1	628.3	676.5
25°	574.2	575.5	577.5	555.1	539.9	535.3	549.8	583.4	587.4	633.6	679.1
27.5°	614.5	620.4	610.5	599.3	568.9	545.8	549.1	582.1	589.4	631.0	685.7
30°	668.6	664.0	665.3	639.5	609.8	573.5	564.3	585.4	590.7	634.3	698.3
32.5°	715.4	710.2	719.4	710.2	663.3	613.1	582.1	592.0	598.0	642.2	708.8
35°	744.5	751.1	765.6	775.5	735.9	664.6	611.8	609.8	612.5	646.1	716.8
37.5°	789.4	801.2	813.1	838.2	803.9	728.0	658.7	632.9	628.3	665.3	720.7
40°	838.2	834.9	869.9	899.6	898.2	817.1	724.0	673.9	667.3	695.6	747.1
42.5°	879.1	875.8	914.7	963.6	968.9	902.9	798.6	731.9	726.0	742.5	779.5
45°	932.6	935.2	981.4	1039.5	1058.6	1016.4	899.6	815.1	811.8	806.5	840.8
47.5°	980.1	994.6	1034.2	1102.8	1172.1	1133.9	1018.4	936.5	913.4	901.5	935.9
50°	1013.1	1026.3	1074.5	1147.7	1274.4	1298.9	1151.7	1065.9	1066.5	1037.5	1056.0
52.5°	1013.1	1012.4	1051.4	1147.7	1345.7	1471.1	1329.9	1228.9	1234.2	1203.8	1205.1
55°	915.4	913.4	960.9	1063.2	1337.8	1636.8	1599.8	1435.5	1422.3	1363.5	1369.5
57.5°	737.2	741.8	778.1	900.9	1234.8	1714.0	1921.2	1667.8	1622.9	1501.5	1501.5
60°	537.9	533.9	561.0	646.8	989.3	1685.0	2185.2	1941.7	1871.1	1615.7	1598.5
62.5°	409.2	408.5	415.8	444.8	627.7	1469.1	2298.8	2290.2	2175.3	1727.9	1703.4
65°	330.7	332.0	341.9	362.3	383.5	1001.9	2238.7	2706.0	2601.0	1894.8	1815.0
67.5°	269.9	273.2	285.1	329.3	324.7	518.8	1906.7	2944.2	2964.0	2149.6	1964.8
70°	207.9	213.2	227.0	289.7	312.8	345.2	1322.0	2825.4	2878.2	2308.0	1874.4
72.5°	141.2	140.6	170.3	235.0	316.1	316.1	735.9	2275.7	2325.8	2127.8	1628.2
75°	76.6	81.2	112.9	177.5	289.7	305.6	419.1	1665.2	1735.8	1654.6	1259.3
77.5°	41.6	42.2	62.7	116.2	240.9	291.7	279.8	1132.5	1160.3	997.9	689.7
80°	21.8	22.4	33.0	75.9	166.3	270.6	233.0	675.2	648.8	382.8	227.7
82.5°	9.9	10.6	16.5	47.5	106.3	213.2	201.3	326.0	301.0	106.9	69.3
85°	4.0	4.0	7.3	28.4	62.0	104.9	172.3	163.7	136.6	32.3	34.3
87.5°	1.3	1.3	2.0	11.2	25.1	62.7	91.7	86.5	59.4	11.9	18.5
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°	671.9	671.9	671.9	671.9	671.9	671.9	671.9	671.9	671.9	671.9	671.9
2.5°	666.6	673.9	671.9	670.6	658.0	656.7	655.4	643.5	647.5	637.6	644.2
5°	670.6	674.5	664.0	644.2	626.3	606.5	591.4	580.8	561.7	554.4	553.1
7.5°	666.6	666.6	644.8	613.1	578.2	545.8	504.9	475.9	454.1	437.6	443.5
10°	661.3	653.4	631.0	574.9	511.5	462.7	403.9	361.0	328.7	318.1	311.5
12.5°	661.3	647.5	597.3	520.7	438.9	365.0	295.0	238.9	207.9	189.4	186.8
15°	655.4	634.9	572.9	469.9	368.3	268.0	188.1	139.9	113.5	106.3	103.6
17.5°	656.7	632.3	536.6	409.9	285.8	178.2	114.8	88.4	81.8	78.5	79.2
20°	659.3	632.3	504.2	351.1	205.9	110.9	79.2	74.6	71.3	70.0	70.6
22.5°	667.9	619.7	471.2	291.1	139.3	79.9	70.0	65.3	62.7	60.7	60.1
25°	669.2	617.8	439.6	231.7	95.7	67.3	61.4	56.1	52.8	50.2	49.5
27.5°	667.3	609.2	395.3	172.3	71.9	60.1	52.1	46.9	42.2	40.3	39.6
30°	674.5	593.3	357.7	124.1	60.7	52.1	44.2	38.3	34.3	31.7	31.7
32.5°	675.2	579.5	316.1	88.4	55.4	46.2	37.6	31.0	27.1	25.7	25.7
35°	675.8	566.9	269.9	67.3	49.5	39.6	31.0	25.7	23.1	21.1	21.1
37.5°	677.8	557.7	227.7	56.8	44.2	33.7	25.7	21.1	18.5	17.8	17.8
40°	681.8	545.2	183.5	50.2	38.3	28.4	21.8	17.8	15.2	14.5	13.9
42.5°	692.3	541.9	146.5	44.9	34.3	23.8	17.8	14.5	12.5	11.2	10.6
45°	735.9	550.4	113.5	41.6	29.0	19.8	15.2	11.9	9.2	8.6	7.9
47.5°	807.2	578.8	89.8	37.0	24.4	16.5	12.5	9.2	7.3	6.6	5.9
50°	915.4	643.5	73.3	33.0	20.5	13.9	9.9	7.3	5.3	4.6	4.6
52.5°	1057.3	730.6	63.4	29.0	16.5	11.9	7.9	5.3	4.0	3.3	3.3
55°	1202.5	833.6	59.4	25.1	13.9	9.9	5.9	4.0	2.6	2.0	2.0
57.5°	1335.8	900.2	57.4	20.5	11.9	7.3	4.6	2.6	1.3	0.7	0.7
60°	1419.0	949.1	51.5	16.5	9.2	5.9	3.3	1.3	0.7	0.0	0.0
62.5°	1528.5	998.6	42.2	12.5	6.6	4.0	2.0	0.7	0.0	0.0	0.0
65°	1673.1	1054.0	33.0	9.9	5.3	2.6	1.3	0.7	0.0	0.0	0.0
67.5°	1742.4	1025.0	22.4	7.3	3.3	1.3	0.7	0.0	0.0	0.0	0.0
70°	1603.8	863.3	15.8	5.3	2.0	0.7	0.7	0.0	0.0	0.0	0.0
72.5°	1348.4	676.5	11.9	3.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0
75°	993.9	423.1	9.2	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	527.3	157.7	6.6	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0
80°	155.8	46.2	4.6	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	51.5	13.9	2.6	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	26.4	5.3	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.2	2.0	1.3	1.3	0.7	0.0	0.0	0.0	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)