

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: P676907

Luminaire Tested: **CCW-SA-1C-835-U-SL2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676907
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-835-U-SL2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
SL2 distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

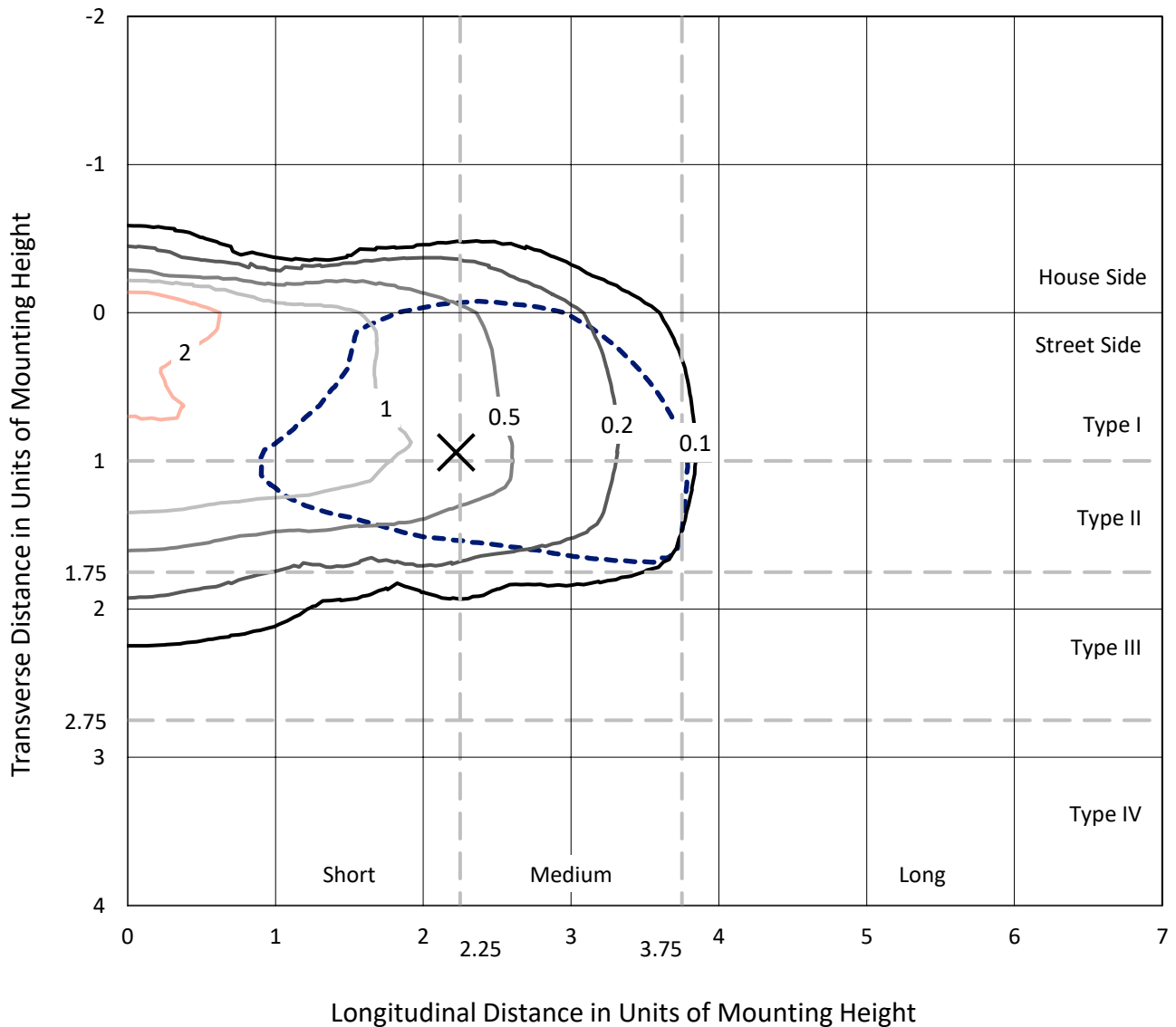
Lumens per Lamp: N/A
Luminaire Lumens: 2995.9 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 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

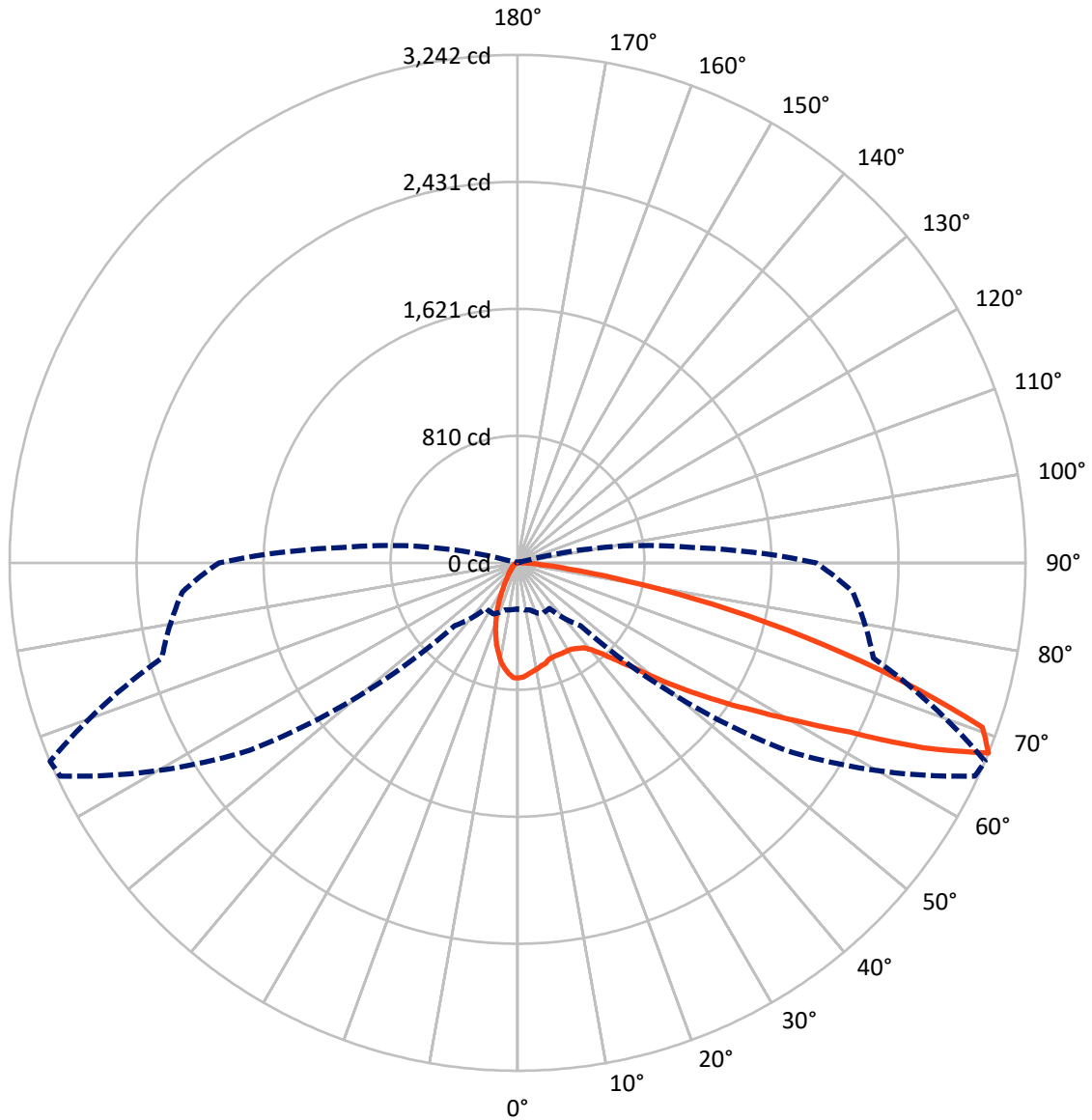
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.3 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
House Side	Lumens	377.0	0.0	377.0
	% Fixture	12.6	0.0	12.6
Street Side	Lumens	2618.9	0.0	2618.9
	% Fixture	87.4	0.0	87.4
Total	Lumens	2995.9	0.0	2995.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.9	2.1
10°-20°	137.5	4.6
20°-30°	195.6	6.5
30°-40°	284.8	9.5
40°-50°	440.8	14.7
50°-60°	676.4	22.6
60°-70°	733.3	24.5
70°-80°	413.7	13.8
80°-90°	52.0	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°	2995.9	100.0
0°-180°	2995.9	100.0

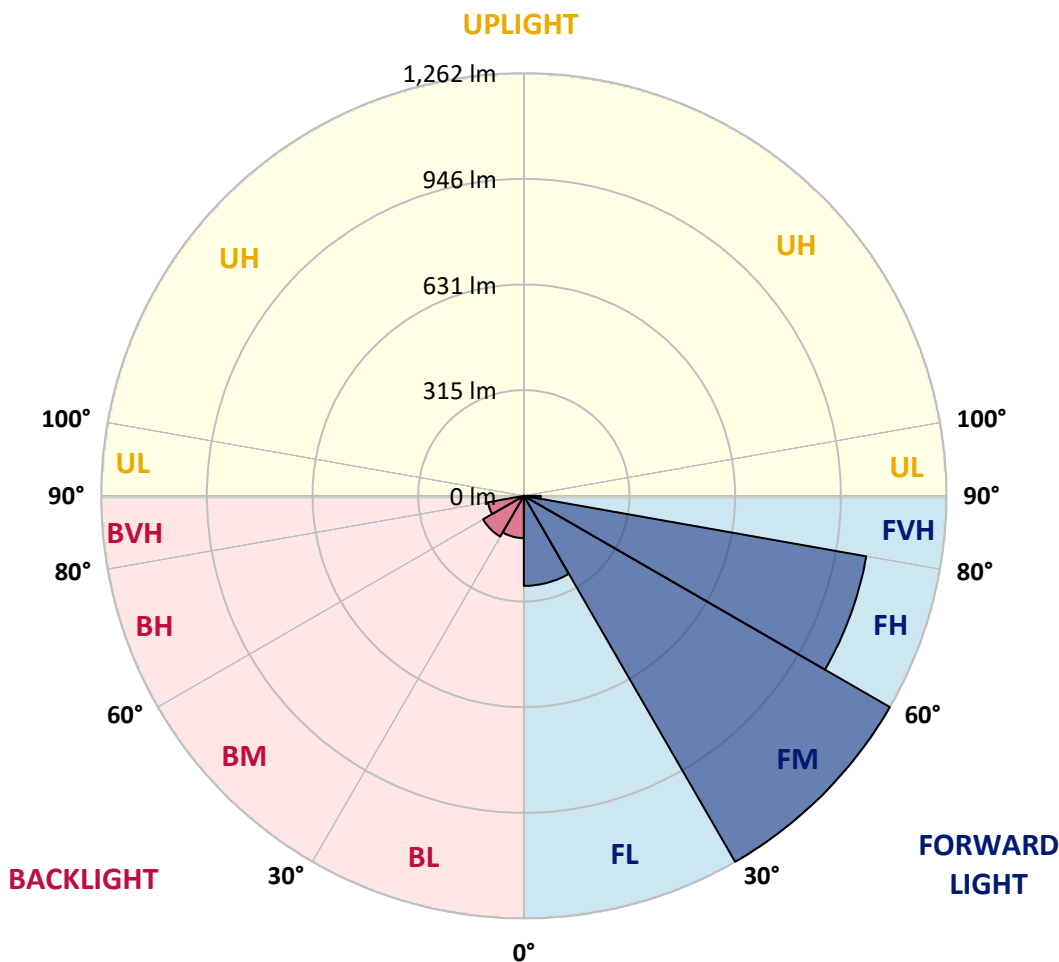


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	268.8	9.0			
FM (30°-60°)	1261.5	42.1			
FH (60°-80°)	1038.0	34.6			G1/1800
FVH (80°-90°)	50.5	1.7			G1/100
BL (0°-30°)	126.2	4.2	B1/500		
BM (30°-60°)	140.4	4.7	B0/220		
BH (60°-80°)	108.9	3.6	B0/110		G0/110
BVH (80°-90°)	1.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	734.8	734.8	734.8	734.8	734.8	734.8	734.8	734.8	734.8	734.8	734.8
2.5°	703.1	706.7	711.7	719.0	724.0	721.1	723.3	735.6	729.1	734.8	732.0
5°	664.1	667.7	674.9	674.2	680.0	690.8	705.2	721.1	713.9	731.2	737.7
7.5°	623.7	622.2	622.2	637.4	649.7	664.8	672.8	698.7	699.5	714.6	730.5
10°	586.9	591.2	598.4	604.2	615.7	637.4	660.5	680.7	688.6	719.0	723.3
12.5°	564.5	566.6	575.3	580.4	595.5	616.5	641.0	667.0	673.5	704.5	725.5
15°	555.1	560.2	563.0	572.4	580.4	599.9	617.9	647.5	666.3	690.8	716.8
17.5°	562.3	560.2	561.6	564.5	573.9	591.2	610.7	640.3	646.8	687.9	726.9
20°	571.7	572.4	568.1	566.6	564.5	581.1	597.0	635.2	642.4	687.9	733.4
22.5°	597.0	589.0	597.0	585.4	573.9	581.1	596.2	635.9	641.0	687.2	739.9
25°	628.0	629.4	631.6	607.1	590.5	585.4	601.3	638.1	642.4	693.0	742.8
27.5°	672.0	678.5	667.7	655.4	622.2	597.0	600.6	636.7	644.6	690.1	750.0
30°	731.2	726.2	727.6	699.5	667.0	627.3	617.2	640.3	646.1	693.7	763.7
32.5°	782.5	776.7	786.8	776.7	725.5	670.6	636.7	647.5	654.0	702.4	775.3
35°	814.2	821.5	837.3	848.2	804.9	726.9	669.2	667.0	669.9	706.7	783.9
37.5°	863.3	876.3	889.3	916.7	879.2	796.2	720.4	692.3	687.2	727.6	788.3
40°	916.7	913.1	951.4	983.9	982.4	893.6	791.9	737.0	729.8	760.8	817.1
42.5°	961.5	957.9	1000.5	1053.9	1059.7	987.5	873.4	800.5	794.0	812.1	852.5
45°	1020.0	1022.9	1073.4	1136.9	1157.8	1111.6	983.9	891.5	887.9	882.1	919.6
47.5°	1071.9	1087.8	1131.1	1206.2	1282.0	1240.1	1113.8	1024.3	999.0	986.0	1023.6
50°	1108.0	1122.5	1175.2	1255.3	1393.9	1420.6	1259.6	1165.8	1166.5	1134.7	1155.0
52.5°	1108.0	1107.3	1149.9	1255.3	1471.8	1609.0	1454.5	1344.1	1349.9	1316.6	1318.1
55°	1001.2	999.0	1051.0	1162.9	1463.2	1790.2	1749.8	1570.0	1555.6	1491.3	1497.8
57.5°	806.3	811.4	851.1	985.3	1350.6	1874.6	2101.3	1824.1	1775.0	1642.2	1642.2
60°	588.3	584.0	613.6	707.4	1082.0	1842.9	2390.0	2123.7	2046.4	1767.1	1748.3
62.5°	447.5	446.8	454.8	486.5	686.5	1606.8	2514.2	2504.8	2379.2	1889.8	1863.1
65°	361.6	363.1	373.9	396.3	419.4	1095.8	2448.5	2959.6	2844.8	2072.4	1985.1
67.5°	295.2	298.8	311.8	360.2	355.1	567.4	2085.4	3220.2	3241.8	2351.1	2148.9
70°	227.4	233.2	248.3	316.9	342.2	377.5	1445.9	3090.2	3148.0	2524.3	2050.0
72.5°	154.5	153.8	186.2	257.0	345.8	345.8	804.9	2488.9	2543.8	2327.2	1780.8
75°	83.7	88.8	123.4	194.2	316.9	334.2	458.4	1821.2	1898.5	1809.7	1377.3
77.5°	45.5	46.2	68.6	127.0	263.5	319.1	306.1	1238.7	1269.0	1091.4	754.3
80°	23.8	24.5	36.1	83.0	181.9	296.0	254.8	738.4	709.6	418.7	249.0
82.5°	10.8	11.5	18.0	52.0	116.2	233.2	220.2	356.6	329.2	116.9	75.8
85°	4.3	4.3	7.9	31.0	67.9	114.8	188.4	179.0	149.4	35.4	37.5
87.5°	1.4	1.4	2.2	12.3	27.4	68.6	100.3	94.6	65.0	13.0	20.2
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°	734.8	734.8	734.8	734.8	734.8	734.8	734.8	734.8	734.8	734.8	734.8
2.5°	729.1	737.0	734.8	733.4	719.7	718.2	716.8	703.8	708.1	697.3	704.5
5°	733.4	737.7	726.2	704.5	685.0	663.4	646.8	635.2	614.3	606.4	604.9
7.5°	729.1	729.1	705.2	670.6	632.3	597.0	552.2	520.5	496.6	478.6	485.1
10°	723.3	714.6	690.1	628.7	559.4	506.0	441.8	394.8	359.5	347.9	340.7
12.5°	723.3	708.1	653.3	569.5	480.0	399.2	322.7	261.3	227.4	207.2	204.3
15°	716.8	694.4	626.6	514.0	402.8	293.1	205.7	153.0	124.2	116.2	113.3
17.5°	718.2	691.5	586.9	448.3	312.6	194.9	125.6	96.7	89.5	85.9	86.6
20°	721.1	691.5	551.5	384.0	225.2	121.3	86.6	81.6	78.0	76.5	77.2
22.5°	730.5	677.8	515.4	318.3	152.3	87.3	76.5	71.5	68.6	66.4	65.7
25°	732.0	675.6	480.7	253.4	104.7	73.6	67.1	61.4	57.7	54.9	54.1
27.5°	729.8	666.3	432.4	188.4	78.7	65.7	57.0	51.3	46.2	44.0	43.3
30°	737.7	648.9	391.2	135.7	66.4	57.0	48.4	41.9	37.5	34.6	34.6
32.5°	738.4	633.8	345.8	96.7	60.6	50.5	41.1	33.9	29.6	28.2	28.2
35°	739.2	620.1	295.2	73.6	54.1	43.3	33.9	28.2	25.3	23.1	23.1
37.5°	741.3	610.0	249.0	62.1	48.4	36.8	28.2	23.1	20.2	19.5	19.5
40°	745.7	596.2	200.7	54.9	41.9	31.0	23.8	19.5	16.6	15.9	15.2
42.5°	757.2	592.6	160.2	49.1	37.5	26.0	19.5	15.9	13.7	12.3	11.5
45°	804.9	602.0	124.2	45.5	31.8	21.7	16.6	13.0	10.1	9.4	8.7
47.5°	882.8	633.1	98.2	40.4	26.7	18.0	13.7	10.1	7.9	7.2	6.5
50°	1001.2	703.8	80.1	36.1	22.4	15.2	10.8	7.9	5.8	5.1	5.1
52.5°	1156.4	799.1	69.3	31.8	18.0	13.0	8.7	5.8	4.3	3.6	3.6
55°	1315.2	911.7	65.0	27.4	15.2	10.8	6.5	4.3	2.9	2.2	2.2
57.5°	1461.0	984.6	62.8	22.4	13.0	7.9	5.1	2.9	1.4	0.7	0.7
60°	1552.0	1038.0	56.3	18.0	10.1	6.5	3.6	1.4	0.7	0.0	0.0
62.5°	1671.8	1092.2	46.2	13.7	7.2	4.3	2.2	0.7	0.0	0.0	0.0
65°	1829.9	1152.8	36.1	10.8	5.8	2.9	1.4	0.7	0.0	0.0	0.0
67.5°	1905.7	1121.0	24.5	7.9	3.6	1.4	0.7	0.0	0.0	0.0	0.0
70°	1754.1	944.2	17.3	5.8	2.2	0.7	0.7	0.0	0.0	0.0	0.0
72.5°	1474.7	739.9	13.0	3.6	1.4	0.7	0.0	0.0	0.0	0.0	0.0
75°	1087.1	462.7	10.1	2.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	576.8	172.5	7.2	2.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0
80°	170.4	50.5	5.1	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	56.3	15.2	2.9	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	28.9	5.8	1.4	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	16.6	2.2	1.4	1.4	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)