

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: P674669

Luminaire Tested: **CCP-SA-1A-727-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674669
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-727-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T3R distribution lens and House Side Shield
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

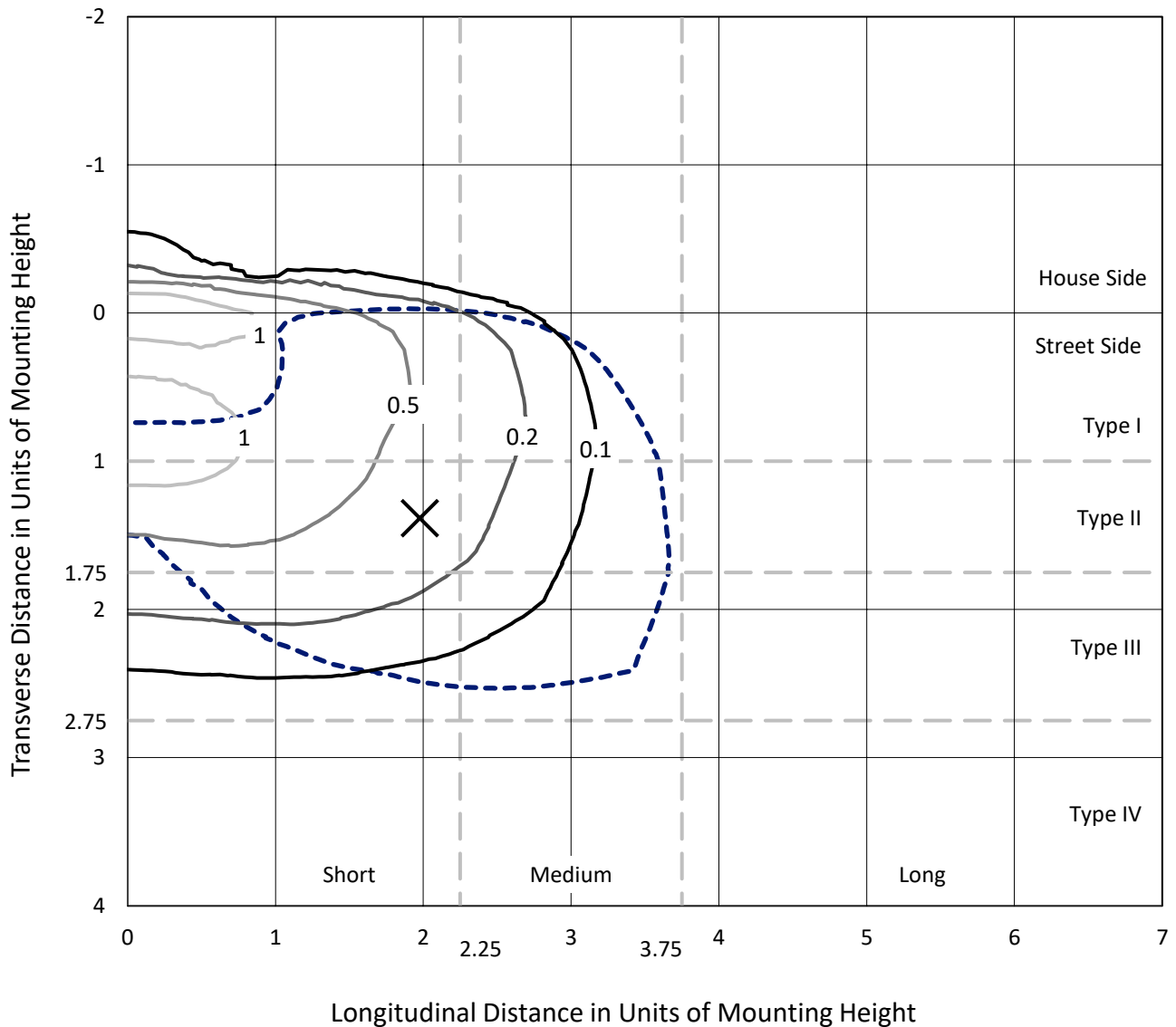
Lumens per Lamp: N/A
Luminaire Lumens: 1814.6 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 18
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

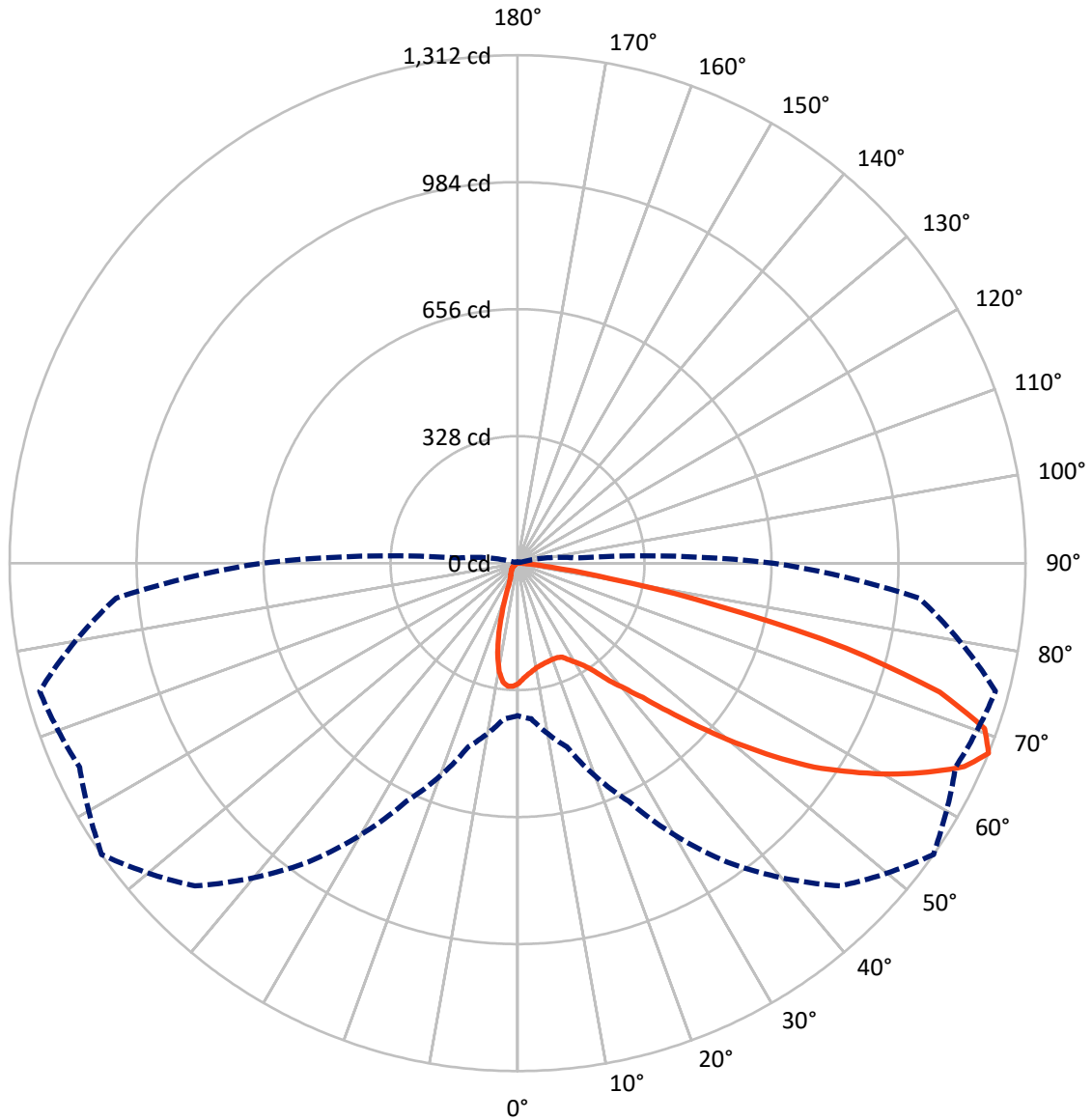
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	163.0	0.0	163.0
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	1651.6	0.0	1651.6
	% Fixture	91.0	0.0	91.0
Total	Lumens	1814.6	0.0	1814.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.3	1.5
10°-20°	62.1	3.4
20°-30°	99.7	5.5
30°-40°	172.9	9.5
40°-50°	288.3	15.9
50°-60°	421.6	23.2
60°-70°	491.6	27.1
70°-80°	238.6	13.1
80°-90°	12.5	0.7
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°	1814.6	100.0
0°-180°	1814.6	100.0



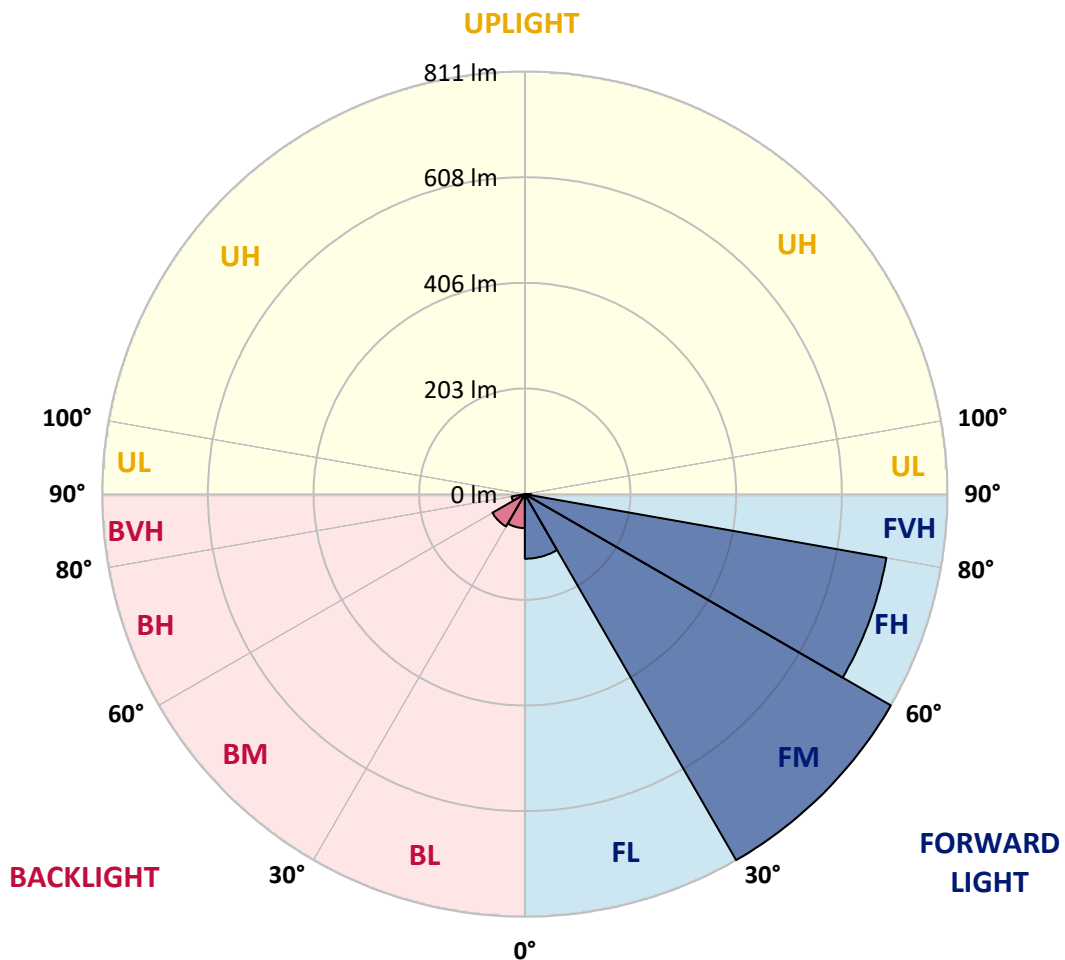
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	124.0	6.8			
FM (30°-60°)	811.1	44.7			
FH (60°-80°)	704.4	38.8			G1/1800
FVH (80°-90°)	12.1	0.7			G1/100
BL (0°-30°)	65.2	3.6	B0/110		
BM (30°-60°)	71.8	4.0	B0/220		
BH (60°-80°)	25.7	1.4	B0/110		G0/110
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	311.0	311.0	311.0	311.0	311.0	311.0	311.0	311.0	311.0	311.0	311.0
2.5°	287.1	288.9	291.2	292.1	294.9	298.9	297.8	296.9	301.4	307.6	309.6
5°	269.2	269.3	273.0	275.7	280.5	284.4	288.6	288.2	296.4	307.0	313.6
7.5°	251.6	251.9	255.8	260.0	267.0	274.5	280.9	280.5	293.7	307.8	320.5
10°	228.5	230.2	234.9	242.3	253.3	265.2	274.0	274.9	290.7	311.0	329.9
12.5°	210.0	210.8	216.0	225.5	238.6	254.1	270.7	270.2	291.4	316.8	342.1
15°	202.1	201.6	204.8	211.8	226.7	246.3	267.3	268.5	293.7	323.5	354.8
17.5°	204.0	203.5	205.1	207.6	218.2	239.7	265.5	267.5	297.4	330.5	366.6
20°	224.4	220.9	217.8	215.2	216.7	234.4	264.3	266.5	299.6	335.9	379.2
22.5°	263.7	259.3	251.3	236.4	226.5	234.7	264.7	267.5	304.4	344.6	394.4
25°	327.7	323.5	306.3	275.9	249.8	246.8	269.2	272.2	315.6	357.8	410.6
27.5°	412.4	403.1	382.2	338.5	288.2	266.0	282.7	286.1	331.5	368.0	421.6
30°	482.8	480.7	460.6	407.1	341.2	294.2	297.9	299.8	338.7	374.2	432.7
32.5°	555.9	551.4	533.0	481.0	402.7	334.5	315.0	315.8	348.1	383.4	448.7
35°	619.4	615.2	599.9	549.4	474.6	388.7	343.2	341.4	367.5	403.6	470.5
37.5°	678.3	677.8	664.2	612.7	539.2	444.9	384.9	383.4	397.7	425.8	499.9
40°	735.8	734.4	722.9	675.9	602.7	500.9	424.5	420.6	423.5	456.9	538.7
42.5°	771.1	773.9	777.9	748.2	678.1	566.6	474.6	472.3	471.8	505.6	589.7
45°	790.1	795.1	818.7	816.0	758.0	648.3	546.0	540.0	538.0	572.4	648.0
47.5°	808.7	810.8	849.5	865.7	834.6	733.6	632.3	623.9	615.7	654.0	717.7
50°	809.8	813.4	861.2	900.6	898.8	817.5	729.1	721.7	712.4	753.3	785.8
52.5°	793.5	800.5	859.7	922.7	938.6	891.6	829.6	823.6	815.9	846.5	843.1
55°	680.3	692.1	830.2	924.7	966.5	955.1	930.6	922.2	914.7	936.4	899.3
57.5°	626.4	633.1	741.0	923.2	1002.1	1014.0	1018.2	1014.3	1003.8	1030.9	958.0
60°	594.2	603.9	698.3	906.5	1040.6	1080.5	1106.8	1099.1	1086.2	1123.5	1020.8
62.5°	555.6	562.6	655.9	858.3	1063.5	1148.2	1189.9	1182.8	1156.3	1208.9	1071.7
65°	484.3	494.9	588.3	782.6	1032.7	1197.9	1268.1	1265.8	1219.6	1273.4	1085.5
67.5°	394.2	403.8	490.9	678.8	942.8	1179.3	1312.4	1305.0	1248.4	1278.3	1041.6
70°	295.9	301.1	366.8	518.6	772.4	1080.2	1280.3	1278.8	1204.7	1206.4	906.6
72.5°	158.8	173.2	243.9	347.1	543.2	874.9	1141.0	1135.0	1074.8	988.1	652.0
75°	55.5	59.7	129.9	194.9	295.1	582.8	877.4	863.3	803.8	642.7	355.3
77.5°	34.1	37.4	57.7	99.6	114.9	253.0	527.1	508.9	470.5	277.9	121.4
80°	23.6	26.6	38.6	52.2	39.1	81.9	242.6	235.7	181.4	66.2	27.9
82.5°	13.2	15.9	29.3	25.6	15.7	21.2	84.1	77.9	48.3	17.9	9.4
85°	7.7	9.2	20.6	18.1	8.0	7.5	21.9	19.6	12.5	6.7	4.5
87.5°	4.0	5.2	15.0	12.0	4.8	2.7	5.0	4.8	3.2	2.3	3.0
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°	311.0	311.0	311.0	311.0	311.0	311.0	311.0	311.0	311.0	311.0	311.0
2.5°	313.3	312.5	316.8	318.3	318.0	317.3	319.0	316.8	316.6	316.1	315.6
5°	319.0	320.3	323.8	323.8	319.2	311.5	306.8	300.4	295.1	291.9	291.4
7.5°	327.5	330.2	332.5	325.3	309.3	290.2	270.0	254.1	240.2	233.1	232.4
10°	339.6	342.1	340.2	319.7	285.2	245.8	212.8	179.7	163.2	154.1	154.1
12.5°	353.9	355.9	344.7	305.4	245.6	188.4	144.4	109.7	93.1	82.4	81.8
15°	369.5	370.0	344.1	280.7	196.6	126.6	82.9	60.9	53.8	52.3	52.0
17.5°	383.0	381.0	337.0	244.1	141.6	75.4	52.7	47.6	46.3	46.3	46.3
20°	395.7	389.0	323.0	201.5	90.8	51.3	45.3	44.0	44.0	44.1	44.1
22.5°	409.8	396.6	302.9	154.1	58.3	44.0	42.5	41.8	41.6	42.1	42.0
25°	426.3	403.9	274.2	106.5	45.1	41.0	40.3	39.6	39.6	39.6	39.6
27.5°	435.5	402.9	241.4	67.2	39.5	38.0	37.3	36.6	36.1	35.9	36.1
30°	443.5	397.1	198.6	47.0	35.6	33.9	33.4	32.6	31.6	31.3	31.3
32.5°	454.1	392.2	153.8	37.8	32.3	30.4	28.9	27.6	25.9	25.2	25.1
35°	465.8	383.4	112.7	33.3	29.3	26.9	24.6	22.4	20.2	19.6	19.4
37.5°	480.3	375.3	76.4	30.8	26.7	23.9	20.7	17.7	15.7	15.4	15.4
40°	500.1	368.6	52.8	28.6	24.4	21.1	17.2	14.0	12.7	12.4	12.4
42.5°	527.0	363.1	40.0	26.7	22.4	18.2	13.9	11.5	10.5	10.2	10.2
45°	558.7	354.6	33.8	25.1	20.4	15.4	11.5	9.7	9.2	9.2	9.2
47.5°	595.2	343.9	30.8	23.4	18.2	12.5	9.7	8.9	8.7	8.7	8.9
50°	632.0	331.2	28.6	21.4	15.7	10.7	8.9	8.4	8.4	8.5	8.5
52.5°	656.9	311.3	26.4	19.2	13.2	9.4	8.4	8.2	8.0	8.0	8.0
55°	681.1	293.9	23.4	16.9	11.0	8.7	8.0	7.9	7.9	7.7	7.7
57.5°	706.4	280.2	19.6	14.0	9.4	8.2	7.7	7.7	7.4	7.2	7.2
60°	735.6	268.2	15.0	11.0	8.2	7.7	7.2	7.0	6.7	6.4	6.4
62.5°	744.1	242.8	11.4	8.9	7.0	6.7	6.5	6.2	5.3	4.7	4.8
65°	721.9	202.8	9.0	7.0	5.7	5.7	5.2	4.3	3.5	3.0	3.0
67.5°	660.5	151.5	7.4	5.5	4.5	4.3	3.7	3.2	2.2	1.8	1.8
70°	544.4	100.1	6.0	4.3	3.7	3.0	2.5	2.3	1.7	1.3	1.3
72.5°	381.5	54.3	5.0	3.5	2.7	2.0	1.7	1.5	1.2	1.0	0.8
75°	201.5	20.9	4.0	2.7	1.7	1.3	1.0	1.0	0.8	0.7	0.7
77.5°	69.0	8.9	2.8	1.5	1.2	0.8	0.7	0.5	0.7	0.5	0.5
80°	16.4	5.2	1.8	1.0	0.7	0.5	0.5	0.3	0.3	0.3	0.3
82.5°	7.2	3.0	1.2	0.7	0.7	0.5	0.3	0.2	0.2	0.2	0.2
85°	4.8	1.8	0.8	0.7	0.5	0.3	0.2	0.2	0.0	0.0	0.0
87.5°	3.8	1.2	0.7	0.7	0.5	0.3	0.2	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)