

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: P674591

Luminaire Tested: **CCP-SA-1A-827-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674591
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-827-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T2R distribution lens and House Side Shield
Light Source: (16) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

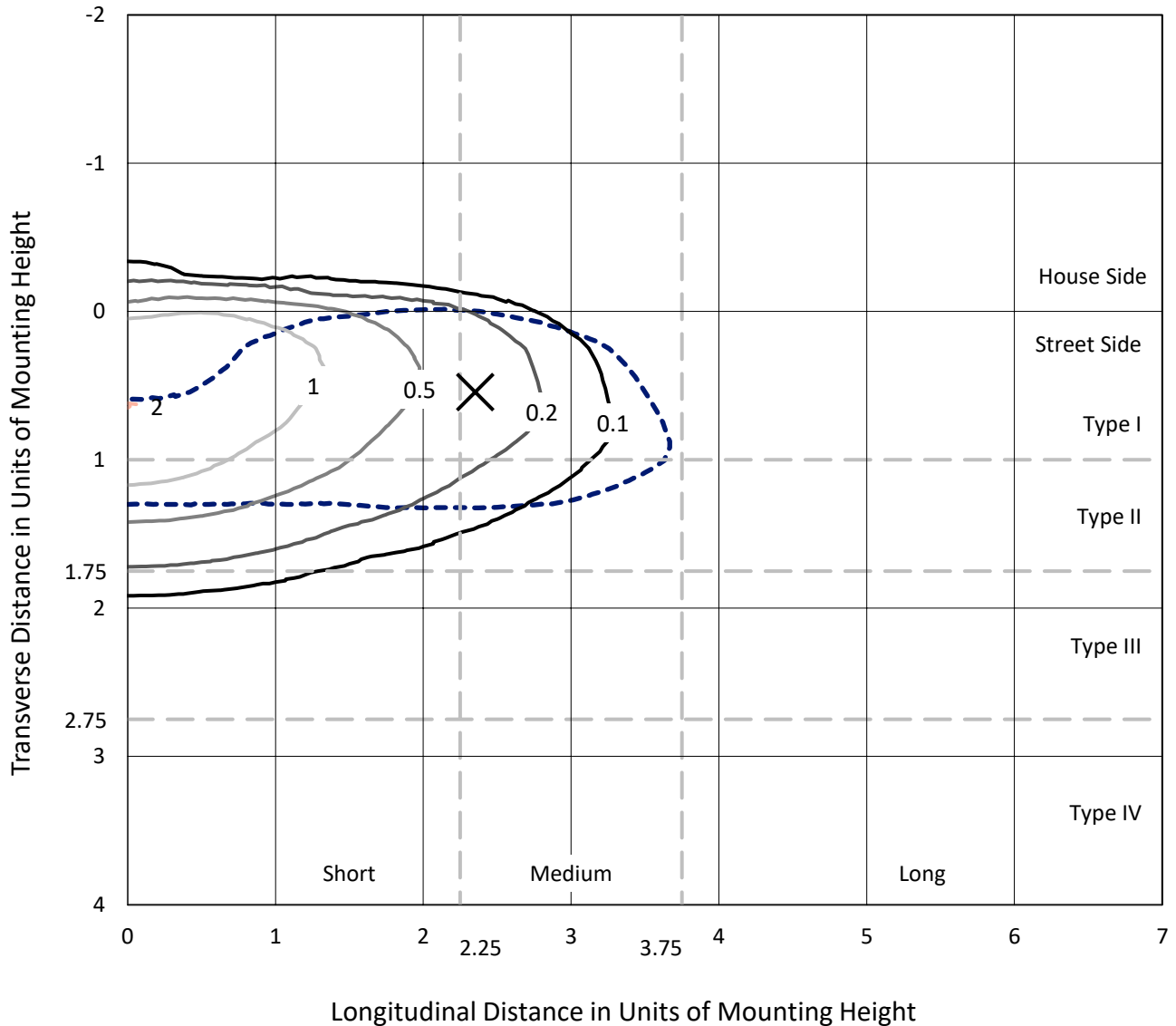
Lumens per Lamp: N/A
Luminaire Lumens: 1628.4 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G0

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

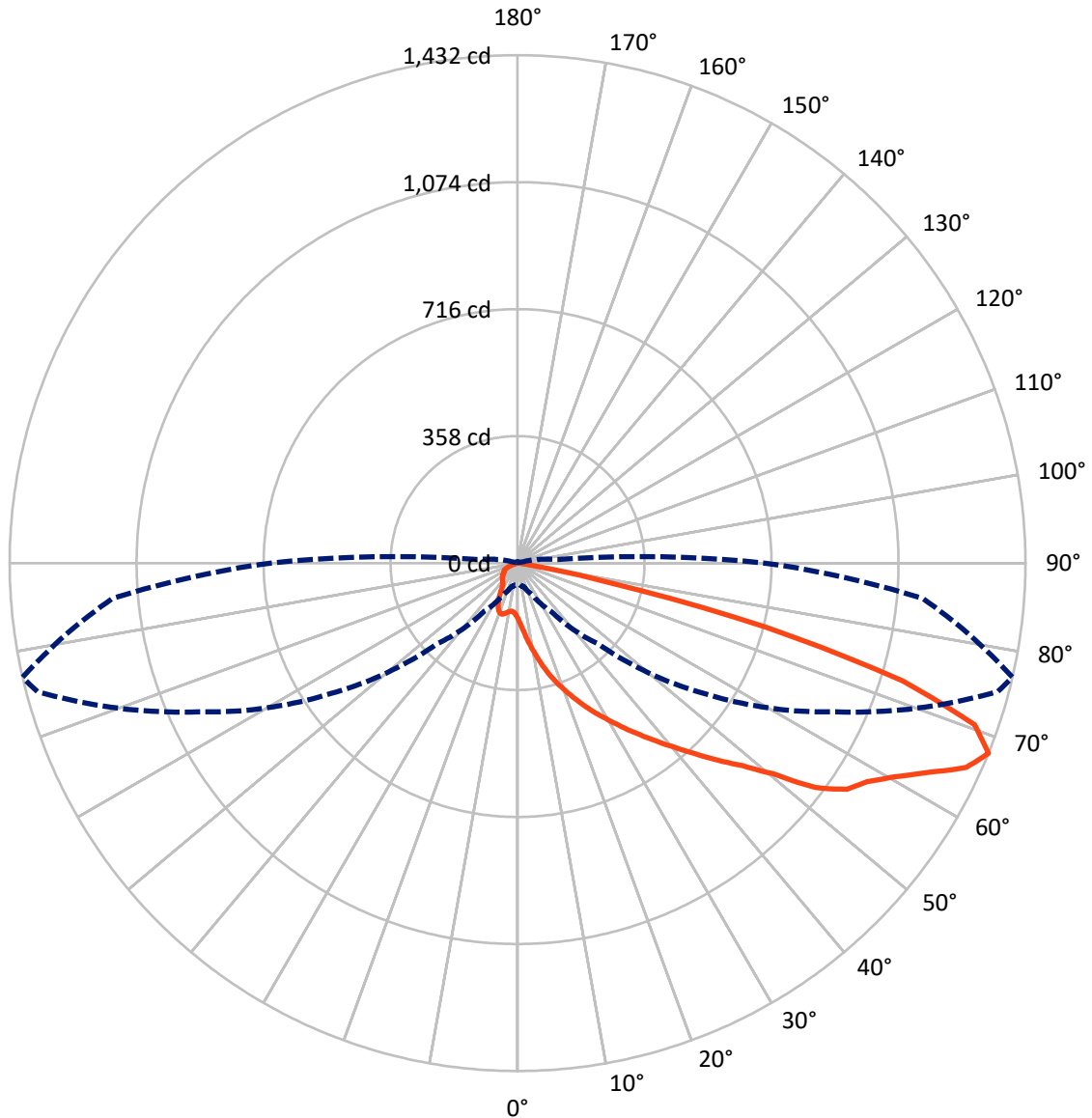
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	101.8	0.0	101.8
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	1526.6	0.0	1526.6
	% Fixture	93.8	0.0	93.8
Total	Lumens	1628.4	0.0	1628.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.3	1.1
10°-20°	67.8	4.2
20°-30°	132.4	8.1
30°-40°	231.5	14.2
40°-50°	337.7	20.7
50°-60°	394.9	24.2
60°-70°	320.1	19.7
70°-80°	120.2	7.4
80°-90°	5.5	0.3
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°	1628.4	100.0
0°-180°	1628.4	100.0

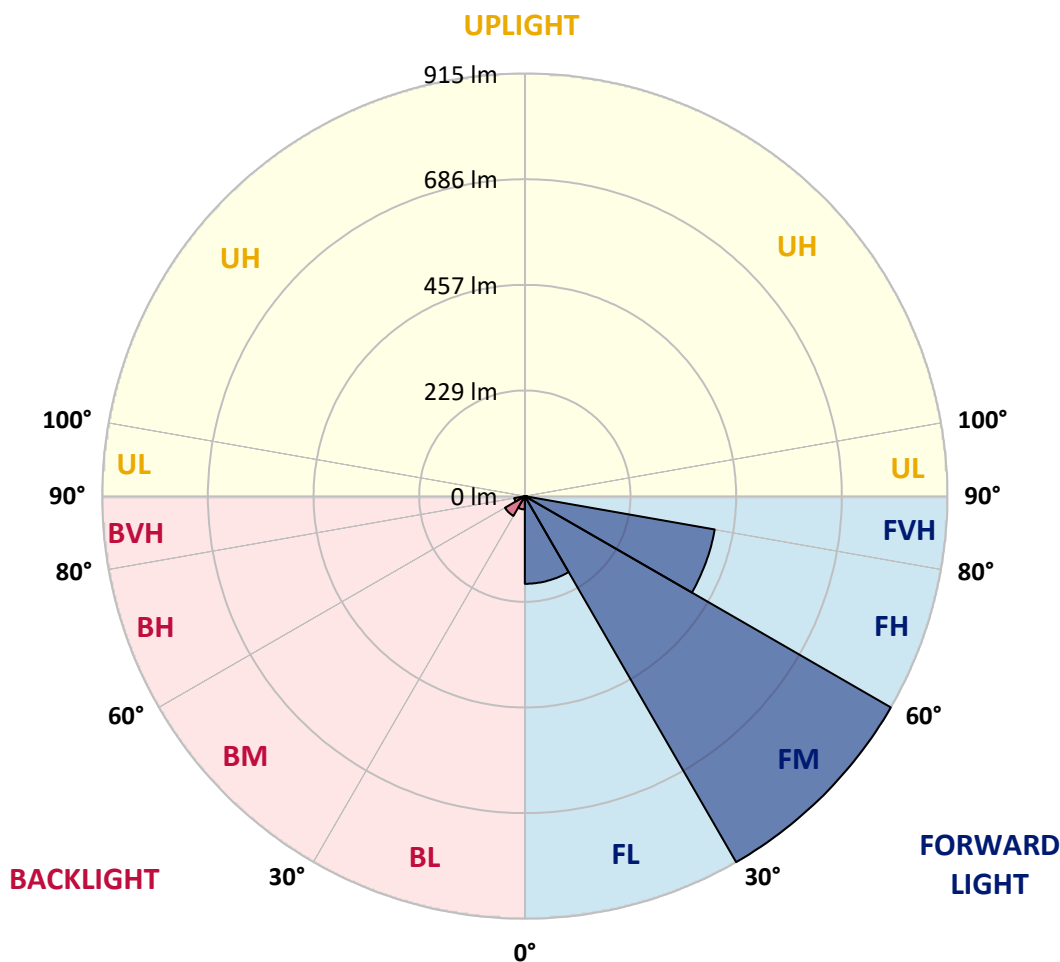


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	189.7	11.6			
FM (30°-60°)	914.5	56.2			
FH (60°-80°)	417.2	25.6			G0/660
FVH (80°-90°)	5.1	0.3			G0/10
BL (0°-30°)	28.9	1.8	B0/110		
BM (30°-60°)	49.5	3.0	B0/220		
BH (60°-80°)	23.1	1.4	B0/110		G0/110
BVH (80°-90°)	0.3	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-G0
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	156.0	156.0	156.0	156.0	156.0	156.0	156.0	156.0	156.0	156.0	156.0
2.5°	234.2	225.6	227.3	223.7	219.2	208.6	197.4	186.3	176.3	174.1	164.1
5°	299.9	297.2	294.4	292.1	282.5	269.3	249.2	223.6	200.5	196.5	175.8
7.5°	350.9	346.9	349.4	342.2	332.2	319.4	293.9	266.5	230.9	225.1	192.9
10°	388.5	386.3	387.5	384.1	379.3	366.5	341.2	306.9	265.8	254.6	212.0
12.5°	416.8	417.2	422.3	422.6	418.7	408.2	381.5	345.7	297.4	287.4	233.1
15°	437.3	437.8	444.1	450.9	455.4	450.0	425.7	385.7	334.6	320.9	255.3
17.5°	440.7	441.0	452.2	465.8	480.0	484.7	466.0	425.4	368.5	353.0	280.8
20°	442.9	445.4	455.4	471.1	493.5	508.0	497.9	463.5	401.5	383.4	305.8
22.5°	469.7	469.7	475.6	486.7	504.5	527.3	525.2	498.5	433.5	415.6	330.6
25°	526.4	526.4	520.7	517.7	527.3	545.2	550.4	535.8	470.1	448.9	356.8
27.5°	601.5	601.5	592.6	571.0	562.7	570.2	575.7	568.3	503.9	483.0	384.4
30°	679.4	682.1	666.5	639.0	610.2	604.5	599.2	597.6	539.9	516.4	412.5
32.5°	757.6	757.4	738.0	703.7	666.1	645.8	628.6	626.7	578.2	555.1	439.1
35°	820.1	820.3	799.8	764.7	721.2	695.3	667.7	658.7	620.1	594.3	470.8
37.5°	874.2	871.1	849.1	815.7	775.1	748.4	714.0	690.6	663.4	637.3	502.6
40°	905.2	901.1	879.7	847.9	817.2	796.8	766.5	729.1	711.0	682.8	538.8
42.5°	909.8	906.3	892.0	872.9	847.8	829.8	821.7	772.6	761.0	735.5	582.0
45°	897.0	891.3	886.6	876.6	869.5	860.8	871.9	818.9	818.4	792.9	624.8
47.5°	865.3	857.5	858.6	869.7	877.6	885.4	919.8	879.7	876.1	852.3	680.9
50°	811.0	807.2	820.1	841.9	873.3	904.5	967.6	941.7	955.7	933.3	758.4
52.5°	700.8	705.5	744.1	796.5	850.8	913.5	1012.4	1034.3	1070.0	1051.7	836.3
55°	568.5	566.7	618.3	711.2	798.1	907.7	1032.0	1088.8	1145.0	1125.7	879.7
57.5°	457.9	461.0	495.8	587.7	708.5	863.5	1036.5	1117.4	1175.1	1162.3	919.8
60°	343.7	346.6	378.4	458.4	589.5	771.2	998.9	1127.4	1231.7	1222.0	983.9
62.5°	218.7	222.6	254.5	332.2	450.6	627.7	914.4	1116.9	1290.8	1298.9	1071.4
65°	107.6	111.0	134.5	194.0	301.2	469.4	796.5	1077.1	1366.1	1389.2	1141.5
67.5°	59.5	61.2	69.2	98.8	168.0	321.9	640.0	992.0	1400.6	1431.5	1146.2
70°	46.3	46.7	49.8	57.6	81.9	188.9	455.3	850.3	1329.0	1366.4	1050.8
72.5°	39.0	39.5	41.0	43.7	51.2	98.3	286.1	657.1	1118.2	1135.1	812.9
75°	28.5	29.4	33.5	35.9	40.4	59.7	126.1	394.8	739.0	722.4	454.8
77.5°	24.0	24.7	25.7	29.1	33.4	40.7	44.2	165.5	300.8	261.5	119.4
80°	16.3	17.2	20.0	21.8	28.2	26.9	18.4	44.4	60.4	49.2	22.9
82.5°	11.6	12.3	13.8	17.8	20.4	14.3	10.0	13.5	14.6	13.8	7.5
85°	3.7	4.7	10.0	14.7	11.0	4.9	6.3	5.1	4.6	4.4	2.9
87.5°	0.7	0.7	5.0	5.9	4.4	2.5	2.2	1.6	2.1	2.1	1.6
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°	156.0	156.0	156.0	156.0	156.0	156.0	156.0	156.0	156.0	156.0	156.0
2.5°	159.4	152.7	143.2	134.2	125.1	118.6	114.1	109.5	107.8	107.0	105.1
5°	166.4	153.8	134.8	119.5	108.3	101.3	97.0	93.3	91.0	90.3	89.2
7.5°	176.5	158.3	131.1	113.5	102.3	94.7	87.8	79.8	73.5	71.0	70.0
10°	187.6	165.2	131.7	112.3	97.5	80.7	65.3	52.5	46.9	44.8	43.4
12.5°	203.7	172.9	134.2	111.0	82.9	57.6	41.7	36.5	35.1	34.8	34.5
15°	219.9	183.6	138.3	102.2	61.9	39.2	34.7	32.8	32.0	31.3	31.3
17.5°	236.2	193.9	139.9	85.0	42.8	34.0	31.6	30.0	28.8	28.2	27.8
20°	254.6	204.8	135.2	63.9	34.3	31.0	28.4	26.5	25.4	24.8	24.4
22.5°	274.5	215.5	125.0	44.5	31.2	27.9	25.4	23.5	22.5	21.9	21.8
25°	293.1	224.8	108.5	33.5	28.1	25.0	22.6	21.0	20.3	19.7	19.6
27.5°	312.4	232.7	87.0	29.5	25.6	22.6	20.3	19.0	18.2	17.8	17.6
30°	331.2	238.1	64.8	27.0	23.4	20.4	18.4	17.3	16.6	16.2	16.0
32.5°	350.6	241.2	43.8	24.8	21.2	18.5	16.8	15.7	15.3	14.8	14.8
35°	369.3	240.8	31.6	22.8	19.4	16.8	15.1	14.4	14.3	13.8	13.8
37.5°	389.7	237.7	26.9	20.9	17.5	15.1	13.8	13.4	13.2	12.9	12.8
40°	412.9	230.8	24.5	19.4	15.9	13.8	12.6	12.3	12.2	11.9	11.9
42.5°	438.4	221.8	23.2	17.8	14.6	12.5	11.6	11.2	11.0	10.7	10.7
45°	467.9	213.3	22.3	16.2	13.4	11.5	10.6	10.1	10.0	9.7	9.7
47.5°	508.2	208.4	20.9	14.7	12.1	10.4	9.6	9.3	9.0	8.7	8.7
50°	563.6	202.7	19.0	13.2	11.0	9.4	8.8	8.4	8.2	7.9	7.9
52.5°	609.2	190.5	17.1	11.8	9.8	8.7	8.1	7.8	7.5	7.4	7.4
55°	625.2	176.3	15.1	10.6	9.0	8.1	7.5	7.2	7.1	6.9	6.9
57.5°	650.8	171.7	13.4	9.4	8.1	7.5	6.9	6.8	6.6	6.5	6.3
60°	694.4	174.3	11.8	8.4	7.4	6.8	6.3	6.2	5.9	5.6	5.6
62.5°	736.8	171.1	10.0	7.4	6.3	6.0	5.6	5.3	4.7	4.3	4.0
65°	747.1	149.5	8.7	6.2	5.3	5.0	4.6	4.0	3.1	2.5	2.5
67.5°	697.2	113.6	7.5	5.3	4.4	4.1	3.2	2.6	1.9	1.5	1.5
70°	575.4	72.0	6.2	4.1	3.7	2.8	2.1	1.9	1.3	1.2	1.0
72.5°	415.1	39.4	5.1	3.4	2.6	1.8	1.5	1.2	0.9	0.6	0.6
75°	210.2	18.5	3.8	2.6	1.8	1.2	0.9	0.6	0.6	0.4	0.4
77.5°	59.5	8.5	2.5	1.8	1.2	0.7	0.6	0.4	0.4	0.3	0.3
80°	11.8	4.3	1.6	1.2	0.9	0.6	0.4	0.3	0.3	0.1	0.1
82.5°	4.3	2.2	1.2	0.9	0.7	0.6	0.3	0.1	0.1	0.0	0.0
85°	2.2	1.2	0.9	0.7	0.6	0.4	0.3	0.1	0.0	0.0	0.0
87.5°	1.2	0.9	0.7	0.7	0.6	0.4	0.3	0.1	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)