

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: P673395

Luminaire Tested: **CCP-SA-1A-735-U-T4FT-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P673395
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-735-U-T4FT-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T4FT distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

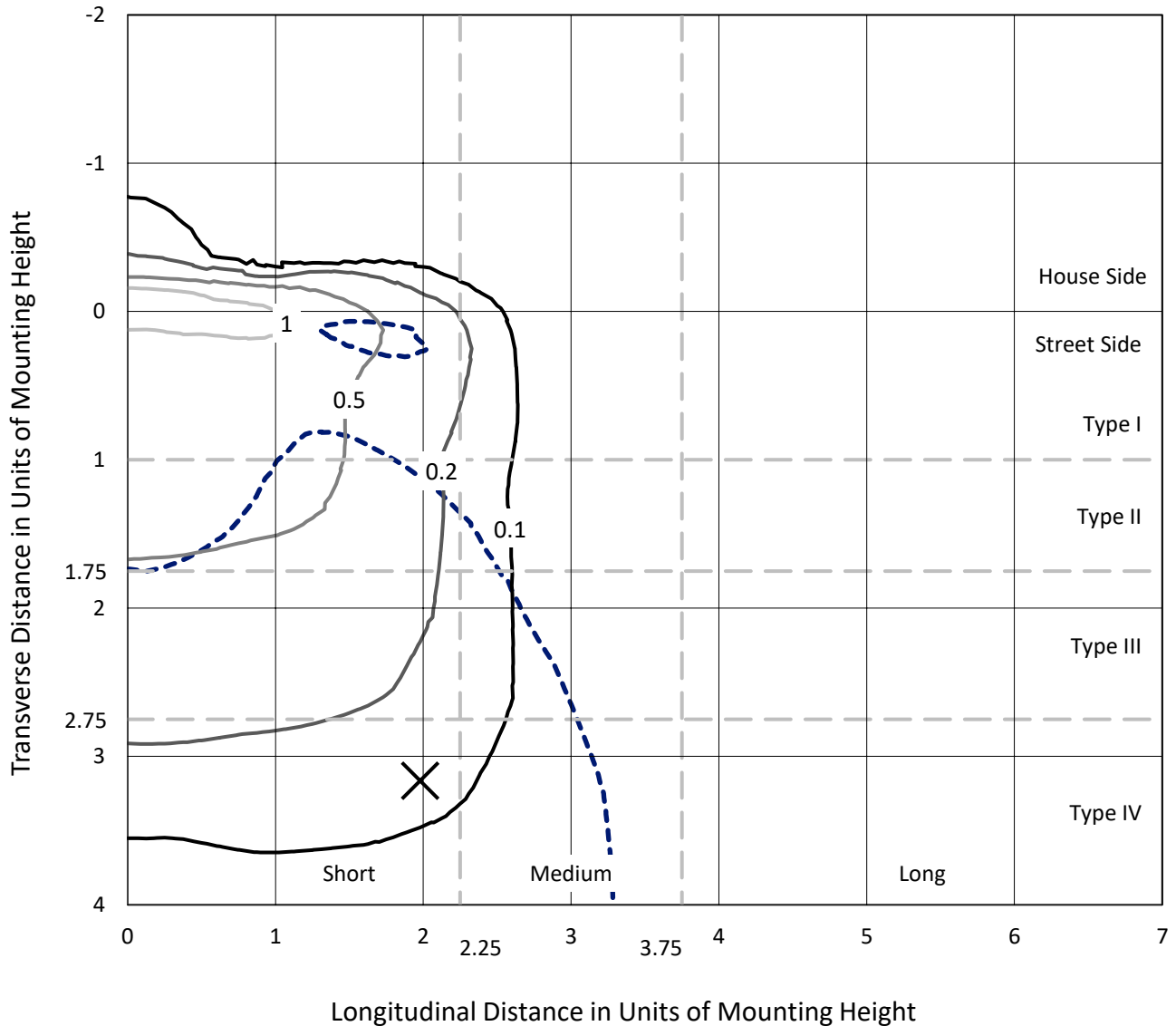
Lumens per Lamp: N/A
Luminaire Lumens: 1937.5 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

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

REPORT NUMBER: P673395
 CATALOG NUMBER: CCP-SA-1A-735-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

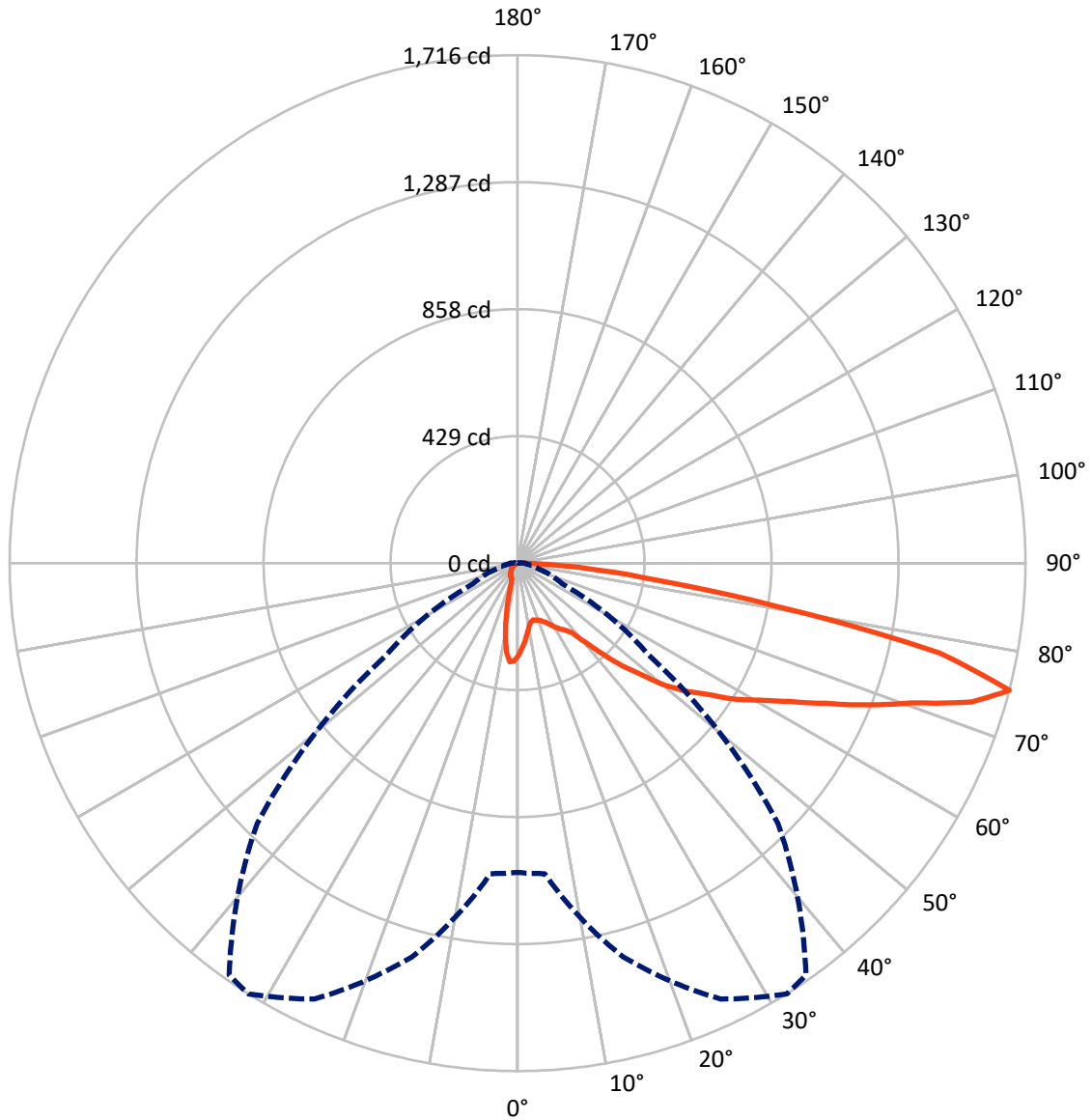
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P673395
CATALOG NUMBER: CCP-SA-1A-735-U-T4FT-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 32-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P673395
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	209.3	0.0	209.3
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	1728.2	0.0	1728.2
	% Fixture	89.2	0.0	89.2
Total	Lumens	1937.5	0.0	1937.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.5	1.4
10°-20°	62.4	3.2
20°-30°	93.5	4.8
30°-40°	143.5	7.4
40°-50°	250.9	12.9
50°-60°	392.1	20.2
60°-70°	507.0	26.2
70°-80°	412.9	21.3
80°-90°	47.8	2.5
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°	1937.5	100.0
0°-180°	1937.5	100.0



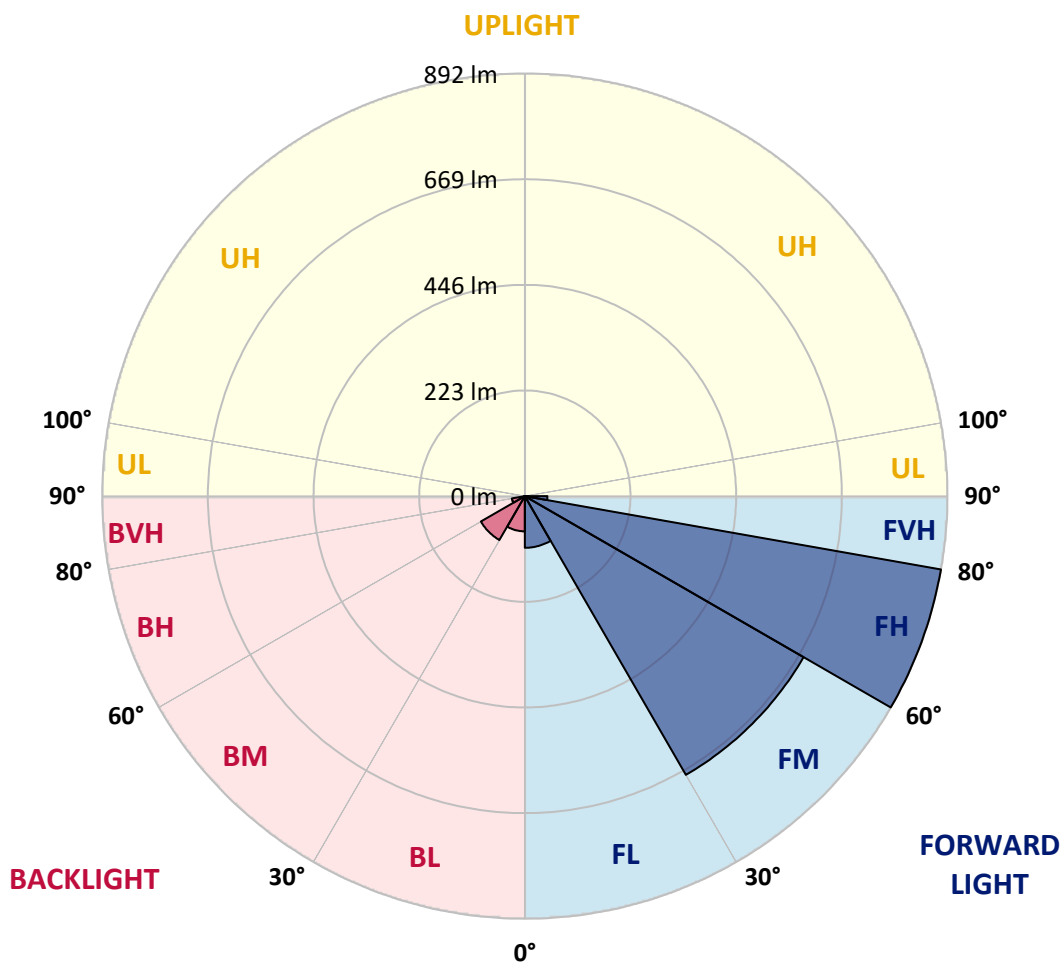
REPORT NUMBER: P673395
 CATALOG NUMBER: CCP-SA-1A-735-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	109.0	5.6			
FM (30°-60°)	679.4	35.1			
FH (60°-80°)	892.1	46.0			G1/1800
FVH (80°-90°)	47.8	2.5			G1/100
BL (0°-30°)	74.4	3.8	B0/110		
BM (30°-60°)	107.1	5.5	B0/220		
BH (60°-80°)	27.8	1.4	B0/110		G0/110
BVH (80°-90°)	0.0	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 IV Short





REPORT NUMBER: P673395

CATALOG NUMBER: CCP-SA-1A-735-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	32°	35°	45°	55°	65°	75°	85°
0°	312.9	312.9	312.9	312.9	312.9	312.9	312.9	312.9	312.9	312.9	312.9
2.5°	280.6	284.5	284.0	286.5	287.0	288.5	292.0	292.0	301.9	308.9	313.3
5°	255.2	252.8	253.8	256.7	264.2	263.7	272.1	276.6	288.5	298.5	308.9
7.5°	224.0	223.5	225.5	232.4	237.9	242.3	251.3	262.7	278.6	293.5	311.9
10°	204.1	203.1	207.1	209.1	215.5	218.5	232.4	250.3	269.2	290.5	311.9
12.5°	199.6	196.2	198.1	197.6	203.6	205.1	218.5	240.3	263.2	289.5	315.8
15°	202.1	199.6	197.6	197.6	199.1	200.1	214.5	233.9	259.7	291.0	324.8
17.5°	210.1	208.6	202.6	196.6	203.1	203.1	212.0	232.4	260.2	295.5	335.7
20°	219.5	218.0	207.6	200.6	205.1	210.1	219.5	235.9	261.7	298.9	352.6
22.5°	229.9	229.9	215.5	207.6	213.5	214.0	230.9	246.8	267.7	307.9	363.5
25°	242.8	241.8	227.9	219.0	221.0	226.4	241.8	258.7	278.6	320.3	383.9
27.5°	259.7	258.2	241.8	232.9	235.4	241.3	258.7	275.6	288.5	325.3	401.2
30°	273.6	272.1	258.7	245.3	250.8	256.2	276.6	291.5	300.9	334.7	421.1
32.5°	276.6	274.1	265.2	259.2	265.2	275.6	291.5	306.9	321.3	358.5	458.8
35°	310.9	301.9	278.6	269.2	278.1	281.6	307.9	335.2	349.1	377.4	501.1
37.5°	376.4	368.0	337.2	310.9	298.5	302.4	336.7	370.5	383.9	412.7	547.2
40°	456.9	443.0	410.2	374.9	349.6	344.6	367.0	416.6	429.5	456.9	607.8
42.5°	548.7	535.3	484.7	443.0	417.1	410.7	414.2	470.3	481.2	497.6	647.6
45°	614.8	607.8	550.7	513.5	493.1	486.2	477.7	528.9	542.8	548.2	705.2
47.5°	653.0	648.0	616.3	590.9	563.6	556.2	561.6	610.3	600.9	605.3	760.3
50°	704.2	691.3	648.0	656.0	650.5	648.5	658.0	679.3	665.4	652.5	820.4
52.5°	745.4	722.5	692.2	711.6	720.1	727.5	760.8	776.7	714.6	694.7	859.1
55°	770.7	748.9	756.8	774.7	783.6	817.9	857.1	845.2	746.9	728.5	910.7
57.5°	793.5	795.0	816.4	821.9	867.5	873.5	949.0	910.2	769.7	759.3	931.1
60°	848.7	843.2	860.6	895.8	939.5	972.8	1044.8	953.9	781.1	775.2	925.6
62.5°	948.0	914.2	920.2	964.9	1028.9	1065.2	1099.9	973.8	778.2	777.7	909.3
65°	1074.1	1035.4	1017.5	1059.2	1142.2	1193.3	1162.0	996.2	758.3	772.2	848.2
67.5°	1178.9	1179.4	1146.1	1169.5	1277.7	1288.6	1220.6	991.7	725.0	729.0	699.2
70°	1299.6	1316.0	1286.7	1359.7	1413.8	1420.7	1287.7	954.9	653.5	549.7	401.7
72.5°	1330.4	1338.8	1430.2	1542.4	1603.5	1605.5	1353.7	832.3	430.0	242.8	124.6
75°	1044.8	1052.8	1376.5	1624.8	1715.7	1698.3	1243.5	540.3	167.4	71.0	29.8
77.5°	583.0	585.5	854.6	1313.5	1455.5	1385.5	871.0	210.6	67.5	40.7	13.9
80°	159.4	187.2	316.8	647.6	888.9	872.5	414.7	68.5	43.7	31.8	6.5
82.5°	38.2	41.2	101.8	286.5	469.8	490.1	123.7	34.8	30.3	26.3	3.5
85°	13.9	15.4	31.3	139.5	241.3	221.5	37.2	17.4	22.3	20.4	1.5
87.5°	5.0	5.0	9.9	45.7	70.5	53.1	12.4	6.0	11.4	12.4	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P673395
 CATALOG NUMBER: CCP-SA-1A-735-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	312.9	312.9	312.9	312.9	312.9	312.9	312.9	312.9	312.9	312.9	312.9
2.5°	313.8	313.8	320.8	326.8	328.7	331.2	328.7	334.2	333.7	331.2	332.2
5°	314.3	323.3	329.2	333.2	335.2	334.7	335.7	329.7	326.3	323.8	321.3
7.5°	316.8	325.3	336.2	335.2	329.7	318.3	309.4	293.5	278.1	277.6	275.1
10°	325.3	332.7	339.2	335.2	315.3	280.6	252.3	230.9	211.5	202.6	203.6
12.5°	331.2	345.1	342.2	321.8	280.6	234.9	193.2	161.9	144.5	128.1	128.1
15°	343.6	348.6	347.6	302.4	237.9	183.2	132.6	100.8	82.4	75.0	74.0
17.5°	355.6	361.0	344.1	273.1	195.7	123.2	80.4	62.6	60.1	59.1	59.6
20°	370.5	371.0	341.2	243.8	147.0	78.0	57.6	56.1	56.6	56.1	56.1
22.5°	386.3	389.8	330.7	202.6	97.8	56.6	53.6	54.1	54.1	54.1	55.6
25°	407.2	401.7	314.3	163.4	64.1	52.1	52.1	52.6	52.6	52.6	53.1
27.5°	421.1	413.7	293.5	117.7	50.2	49.2	50.2	50.2	51.1	51.1	51.1
30°	449.9	430.5	267.2	76.0	45.2	46.7	47.7	48.7	49.2	50.2	50.7
32.5°	472.3	445.4	234.4	50.7	41.2	42.2	44.7	46.7	48.7	48.2	48.2
35°	513.0	469.8	204.1	40.2	37.7	37.7	40.2	43.7	46.7	47.7	47.7
37.5°	559.7	489.6	161.9	36.7	34.8	34.8	36.3	40.2	44.2	46.2	45.2
40°	598.4	512.5	119.7	34.3	32.3	32.3	33.3	36.3	40.7	44.2	44.7
42.5°	625.7	529.4	80.9	31.8	30.3	29.8	31.3	32.8	36.3	41.2	42.2
45°	650.5	538.3	50.2	29.3	28.3	28.3	28.3	29.8	32.3	36.7	37.7
47.5°	694.7	548.2	36.3	27.3	25.8	26.3	26.8	27.3	29.3	30.3	30.8
50°	732.0	555.7	29.8	25.3	24.3	24.8	24.8	24.8	25.8	24.3	24.3
52.5°	760.3	548.2	25.3	23.3	22.3	22.8	22.3	22.3	21.4	19.4	19.4
55°	781.1	534.8	20.4	21.4	21.4	21.4	20.4	18.9	16.9	15.4	15.4
57.5°	786.6	512.0	15.9	17.9	19.4	19.4	17.4	15.4	12.9	11.4	10.9
60°	778.2	462.3	11.9	12.9	14.9	15.4	13.9	11.4	8.9	7.4	7.4
62.5°	747.9	423.1	9.4	8.4	10.9	11.4	9.9	7.4	5.0	3.5	3.0
65°	690.3	362.5	7.0	6.0	7.4	7.9	6.5	3.5	1.5	0.5	0.0
67.5°	553.7	273.1	4.5	4.0	5.0	5.0	3.0	1.0	0.0	0.0	0.0
70°	306.4	153.4	3.0	2.0	2.5	1.5	0.5	0.0	0.0	0.0	0.0
72.5°	88.4	43.7	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
75°	23.8	10.4	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	10.4	4.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	4.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	2.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.5	0.0	0.0	0.0	0.0	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)