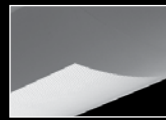
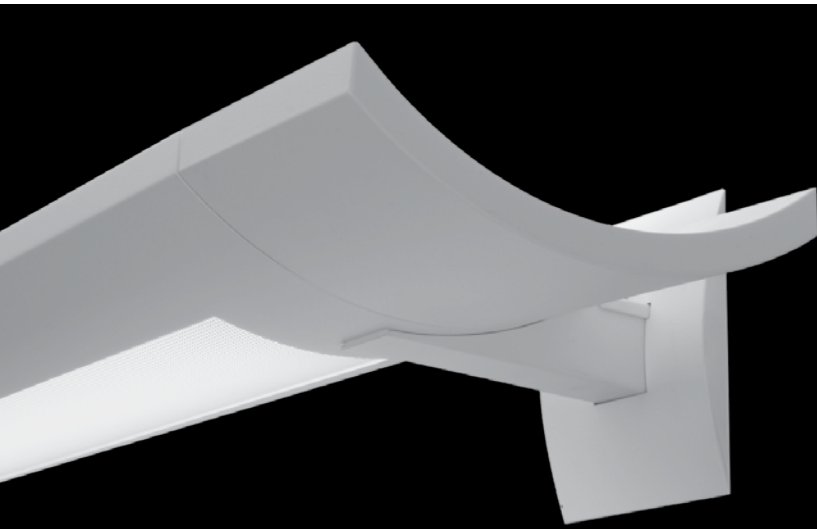
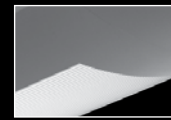


Verve™ IV

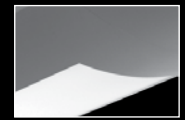
FLUORESCENT LENS



round patterned diffuser

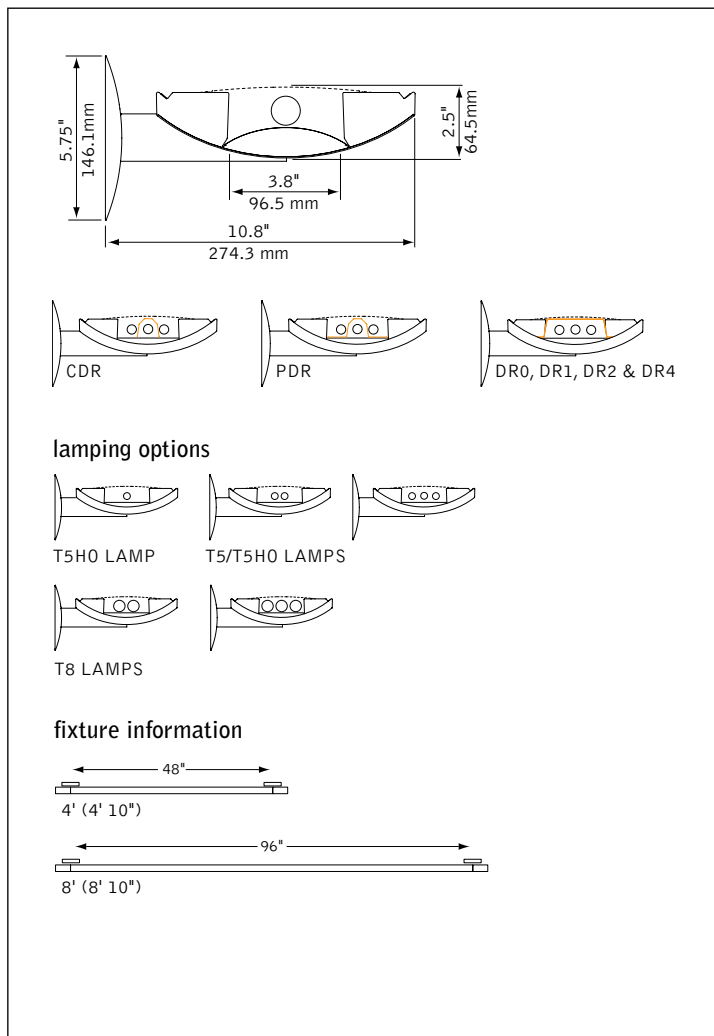


square patterned diffuser



frosted acrylic diffuser

DIMENSIONAL DATA



FEATURES

Wall Mount direct/indirect fluorescent with frosted acrylic, round patterned or square patterned diffuser.

Standard distribution is 60% indirect/40% direct. Variable optics available.

One-piece steel housing with 5" die-cast end caps

3-lamp configurations offer optional CDR lamp separation with direct/indirect distribution from two outer lamps and direct only from center lamp. Specify PDR for total lamp chamber separation.

Practical and budget-friendly, Verve™ IV is an excellent choice for commercial and educational applications.

PERFORMANCE

PRODUCT OVERVIEW

- Lumen Output: 2295-7158lm
- Wattage: 62-177W
- Lamping: T5, T5HO, T8

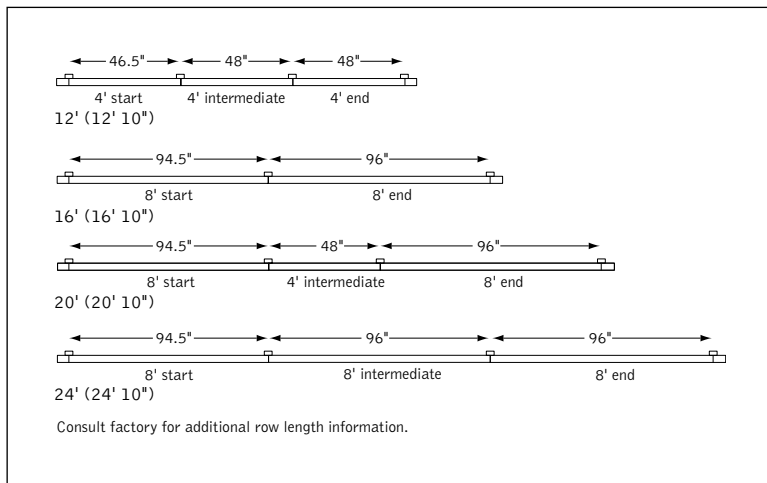
2-Lamp T5
Frosted Acrylic Lens

96.5% Efficient

1066 cd @ 155°

Visit focalpointlights.com for complete photometric data.

MOUNTING INFORMATION



SPECIFICATIONS

Construction

One-piece 20 Ga. steel housing. Die-cast 5" end cap standard. Optional short 1" end cap also available. For row installation, internal brackets form hairline joint. Standard lengths are available in 4' and 8'. All luminaires are provided with mounting brackets. 4' unit weight: 20 lbs., 8' unit weight: 30 lbs.

Optic

Frosted Acrylic Diffuser is 0.20" thick. Patterned Acrylic Diffusers are 0.20" thick combined with additional 0.20" acrylic lens. Clear acrylic internal debris shield supplied standard. Optional Downlight Reflector optics fabricated of die-formed aluminum. PDR reflector isolates lamp chambers for fully indirect distribution from two outer lamps and fully direct from center. CDR separates lamps for direct/indirect distribution from two outer lamps and direct distribution from center.

Electrical

Luminaires are pre-wired with factory installed branch circuit wiring and over-molded quick connects. Factory installed SJT power cord at feed location is included. Electronic ballasts are thermally protected and have a Class "P" rating. Optional dimming ballasts available.

Labels

UL and cUL listed.

Finish

Polyester powder coat applied over a 5-stage pretreatment. Mounting arm and brackets finished to match housing.

ORDERING

Fixture Series	FV4W	<hr/>
Verve IV	FV4W	
Shielding		<hr/>
Frosted Acrylic Diffuser	AC	
Round Patterned Diffuser	RA	
Square Patterned Diffuser	SA	
Optional Downlight Accessories*		<hr/>
CDR - separated lamps <small>(3-lamp & dual circuit options only)</small>	CDR	
PDR - isolated lamps <small>(3-lamp & dual circuit options only)</small>	PDR	
100% downlight	DR0	
up to 75% downlight	DR1	
up to 60% downlight	DR2	
up to 50% downlight	DR4	
Lamping		<hr/>
2 Lamp T5	2T5	
3 Lamp T5	3T5	
1 Lamp T5HO	1T5HO	
2 Lamp T5HO	2T5HO	
3 Lamp T5HO	3T5HO	
2 Lamp T8	2T8	
3 Lamp T8	3T8	
Circuit		<hr/>
Single Circuit	1C	
Dual Circuit	2C	
<small>(Multiple lamp luminaires only)</small>		
Voltage		<hr/>
120 Volt	120	
277 Volt	277	
347 Volt	347	
<small>(Consult factory for dimming options)</small>		
Ballast		<hr/>
Electronic Program Start <10% THD	S	
0-10V	D7	
Lutron 1% 3-wire	DH	
Lutron 1% H-Series	DK	
Mounting		<hr/>
Wall Mount	WM	
Factory Options		<hr/>
Dust Cover	DC	
<small>(Consult factory for compatibility)</small>		
Emergency Circuit*	EC	
Emergency Battery Pack*	EM	
HLR/GLR Fuse	FU	
Short 1" end cap	SE	
Include 3000K Lamp*	L830	
Include 3500K Lamp*	L835	
Include 4100K Lamp*	L841	
<small>(Sensor options available - consult factory)</small>		
Finish		<hr/>
Matte White Housing	WH	
Titanium Silver	TS	
Luminaire Length		<hr/>
4'	4'	
8'	8'	
12' (4'+4'+4')	12'	
16' (8'+8')	16'	
20' (12'+8')	20'	
24' (12'+12')	24'	
<small>(Consult factory for corners)</small>		

Verve™ IV

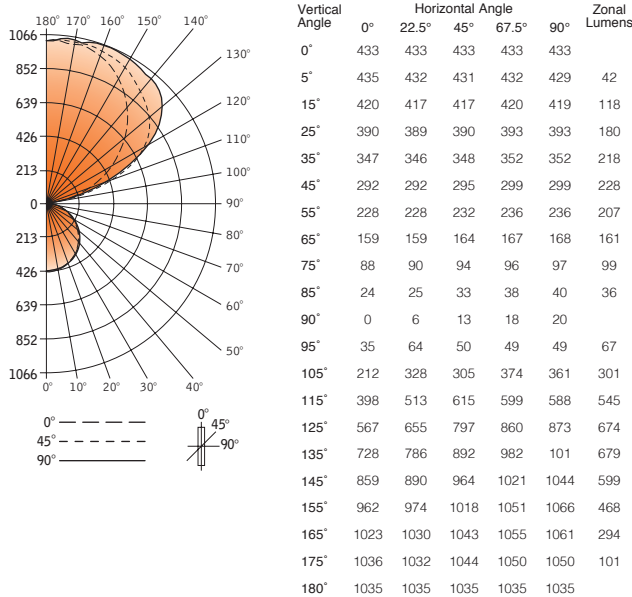
FLUORESCENT - FROSTED ACRYLIC LENS

FV4S-AC-2T5-1C-120-S-WH-4

Filename: FV4SAC2T5.IES
Test #: 26371

Lumens: 5017lm
Efficiency: 96.5%

CANDELPower DISTRIBUTION



LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	339	6.5	6.8
0-90°	1288	24.8	25.7
90-180°	3728	71.7	74.32
Total Luminaire 0-180°	5017	96.5	100.0

LUMINANCE DATA (cd/m²)

Vertical Angle	0°	45°	90°
45°	4044	4098	4155
55°	3890	3973	4047
65°	3669	3818	3894
75°	3322	3558	3692
85°	2638	3658	4485

CO-EFFICIENTS OF UTILIZATION

Floor Ceiling Wall	80				70			20		30		10		00
	70	50	30	10	70	50	10	50	10	50	10	50	10	00
RCR 0	98	98	98	98	87	87	87	67	67	49	49	33	33	25
1	89	85	81	78	79	76	70	59	55	43	41	29	27	21
2	81	74	69	64	72	66	57	52	45	38	34	25	23	18
3	74	65	59	53	66	59	49	46	38	34	29	23	20	15
4	68	58	50	45	60	52	41	40	33	30	5	20	17	13
5	62	50	43	38	55	46	34	36	28	26	21	18	15	11
6	57	45	38	33	50	41	30	32	24	24	18	16	13	9
7	52	41	33	28	46	35	25	29	21	21	16	14	11	8
8	48	37	29	24	43	33	22	26	18	19	14	13	9	7
9	44	33	26	21	39	30	19	23	16	17	12	12	8	6
10	41	30	23	19	37	27	17	21	14	16	10	11	7	5

Numbers indicate percentage values of reflectivity.

Go to www.focalpointlights.com for additional photometric data.

Verve™ IV

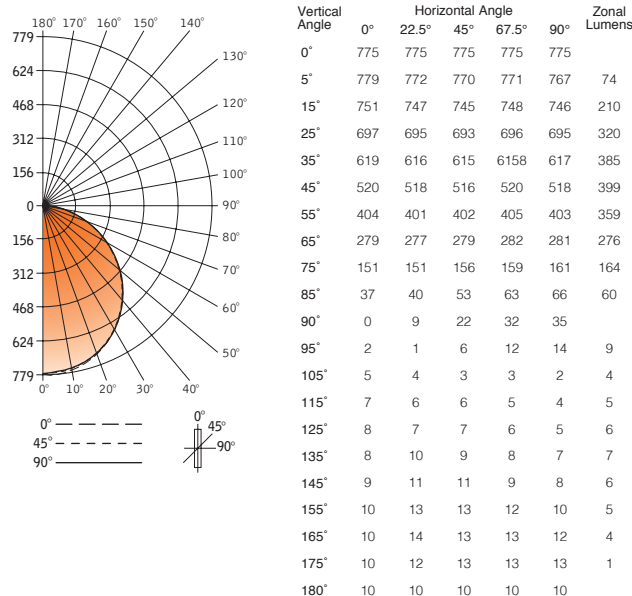
FLUORESCENT - FROSTED ACRYLIC LENS

FV4S-AC-DRO-2T5-1C-120-S-WH-4

Filename: FV4SACDRO2T5.IES
Test #: 26372

Lumens: 2295lm
Efficiency: 44.1%

CANDELPower DISTRIBUTION



LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	604	11.6	26.3
0-90°	2248	43.2	97.9
90-180°	47	0.9	2.1
Total Luminaire 0-180°	2295	44.1	100.0

LUMINANCE DATA (cd/m²)

Vertical Angle	0°	45°	90°
45°	7187	7171	7200
55°	6882	6880	6907
65°	6450	6470	6528
75°	5726	5887	6091
85°	4153	4998	7483

CO-EFFICIENTS OF UTILIZATION

Floor Ceiling Wall	80				70			20		30		10		00
	70	50	30	10	70	50	10	50	10	50	10	50	10	00
RCR 0	52	52	52	52	51	51	51	49	49	46	46	44	44	43
1	48	46	44	42	47	45	42	43	40	41	39	39	37	37
2	44	40	37	35	43	39	34	38	34	36	33	35	32	31
3	40	36	32	29	39	35	29	33	28	32	28	31	27	26
4	37	32	28	25	36	31	25	30	24	29	24	28	24	23
5	34	28	24	21	33	27	21	26	21	25	20	25	20	19
6	31	25	21	18	30	25	18	24	18	23	18	22	17	17
7	28	22	19	16	28	22	16	21	16	21	15	20	15	14
8	26	20	16	14	26	20	14	19	14	19	13	18	13	12
9	24	18	14	12	26	18	12	17	12	17	12	16	11	11
10	22	17	13	11	22	16	10	16	10	15	10	15	10	9

Numbers indicate percentage values of reflectivity.

Go to www.focalpointlights.com for additional photometric data.

Verve™ IV

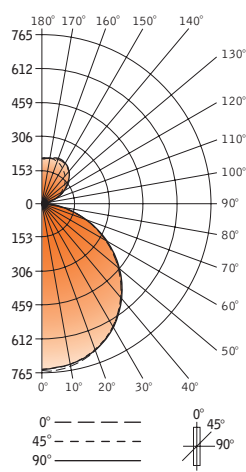
FLUORESCENT - FROSTED ACRYLIC LENS

FV4S-AC-DR1-2T5-1C-120-S-WH-4

Filename: FV4SACDR12T5.IES
Test #: 26373

Lumens: 2920lm
Efficiency: 56.2%

CANDELPower DISTRIBUTION



Vertical Angle	Horizontal Angle				Zonal Lumens
	0°	22.5°	45°	67.5°	
0°	762	762	762	762	762
5°	765	759	757	755	73
15°	738	734	733	737	207
25°	685	683	682	686	315
35°	608	607	606	610	379
45°	511	509	510	513	393
55°	398	395	397	400	355
65°	274	273	276	279	273
75°	149	150	154	158	163
85°	37	41	53	63	59
90°	0	9	21	31	34
95°	8	7	11	20	26
105°	44	48	42	38	43
115°	82	94	90	88	88
125°	117	134	137	133	118
135°	150	168	176	176	131
145°	177	188	201	205	122
155°	198	203	216	221	98
165°	210	211	217	220	61
175°	211	209	212	212	21
180°	210	210	210	210	210

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	595	11.4	20.4
0-90°	2218	42.7	76.0
90-180°	702	16.5	24.0
Total Luminaire 0-180°	2920	56.2	100.0

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	7065	7078	7123
55°	6783	6797	6861
65°	6349	6415	6493
75°	5627	5837	6073
85°	4126	5966	7445

CO-EFFICIENTS OF UTILIZATION

Floor Ceiling Wall	80				70			20		30		10		00
	70	50	30	10	70	50	10	50	10	50	10	50	10	00
RCR 0	64	64	64	64	61	61	61	55	55	50	50	45	45	43
1	58	56	53	51	55	53	49	48	45	44	42	40	38	36
2	53	49	45	42	51	47	41	42	38	39	35	35	32	30
3	49	43	39	35	46	41	34	38	32	34	30	31	28	26
4	45	38	34	30	42	37	29	34	27	31	26	28	24	22
5	41	34	29	24	38	32	25	30	23	27	22	25	20	19
6	37	30	25	22	35	29	21	27	20	24	19	22	18	16
7	34	27	22	19	33	26	17	24	18	22	16	20	15	14
8	32	24	20	19	30	23	16	21	15	20	14	18	13	12
9	29	2	17	14	228	21	14	19	13	18	12	16	12	10
10	27	20	15	13	26	19	12	18	12	16	11	15	10	9

Numbers indicate percentage values of reflectivity.

Go to www.focalpointlights.com for additional photometric data.

Verve™ IV

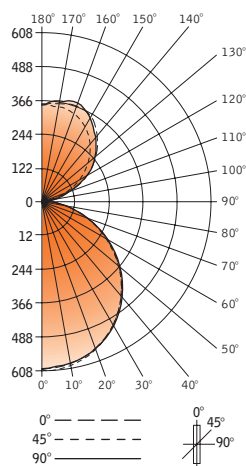
FLUORESCENT - FROSTED ACRYLIC LENS

FV4S-AC-DR2-2T5-1C-120-S-WH-4

Filename: FV4SACDR22T5.IES
Test #: 26374

Lumens: 2931lm
Efficiency: 56.4%

CANDELPower DISTRIBUTION



Vertical Angle	Horizontal Angle				Zonal Lumens
	0°	22.5°	45°	67.5°	
0°	605	605	605	605	605
5°	608	603	601	602	599
15°	586	583	582	585	164
25°	544	542	542	545	250
35°	483	481	481	485	302
45°	406	405	406	409	313
55°	316	315	318	320	283
65°	219	218	222	224	219
75°	120	120	125	128	131
85°	30	33	42	50	48
90°	0	8	19	29	35
95°	12	15	20	25	27
105°	67	85	74	67	79
115°	128	153	158	150	148
125°	188	220	224	224	195
135°	244	280	284	281	213
145°	291	317	334	330	201
155°	325	340	363	368	163
165°	345	353	364	371	102
175°	348	349	354	356	34
180°	347	347	347	347	347

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	472	9.1	16.1
0-90°	1769	34.0	60.3
90-180°	1162	22.4	39.7
Total Luminaire 0-180°	2931	56.4	100.0

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	5623	5635	5681
55°	5391	5438	5481
65°	5066	5156	5209
75°	4534	4719	4889
85°	3404	4779	5919

CO-EFFICIENTS OF UTILIZATION

Floor Ceiling Wall	80				70			20		30		10		00
	70	50	30	10	70	50	10	50	10	50	10	50	10	00
RCR 0	62	62	62	62	58	58	58	50	50	43	43	37	37	34
1	56	54	52	50	53	51	47	44	41	38	36	33	31	29
2	51	47	44	41	48	44	39	39	34	34	30	29	26	24
3	47	42	37	34	44	39	32	34	29	30	26	26	23	21
4	43	37	32	29	40	35	28	30	25	27	22	23	20	18
5	39	32	28	24	37	21	23	27	21	24	19	20	17	15
6	36	29	24	21	34	27	20	24	18	21	16	18	14	13
7	33	26	22	18	31	25	17	22	16	19	14	17	13	11
8	31	23	19	16	29	22	15	20	14	17	12	15	11	10
9	28	21	17	14	26	20	13	18	12	15	11	13	9	8
10	26	19	15	12	25	18	12	16	11	14	9	12	8	7

Numbers indicate percentage values of reflectivity.

Go to www.focalpointlights.com for additional photometric data.

Verve™ IV

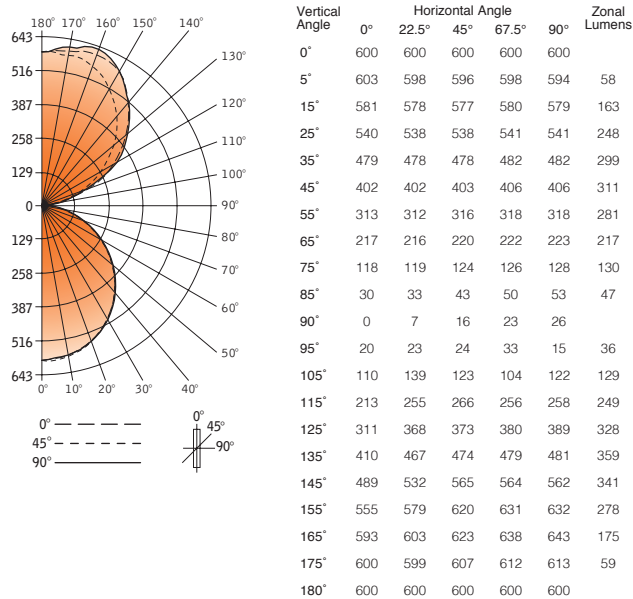
FLUORESCENT - FROSTED ACRYLIC LENS

FV4S-AC-DR4-2T5-1C-120-S-WH-4

Filename: FV4SACDR42T5.IES
Test #: 26375

Lumens: 3710lm
Efficiency: 71.3%

CANDELPower DISTRIBUTION



LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	469	9.0	12.6
0-90°	1756	33.8	47.3
90-180°	1954	37.6	52.7
Total Luminaire	3710	71.3	100.0

LUMINANCE DATA (cd/m²)

Vertical Angle	0°	45°	90°
45°	5566	5595	5641
55°	5341	5403	5447
65°	5018	5121	5183
75°	4475	4695	4867
85°	3371	4784	5924

CO-EFFICIENTS OF UTILIZATION

Floor Ceiling Wall	80				70			20 50		30		10		00
	70	50	30	10	70	50	10	50	10	50	10	50	10	00
RCR 0	76	76	76	76	70	70	70	58	58	48	48	38	38	34
1	69	66	64	61	64	61	56	51	48	42	40	34	32	28
2	63	58	54	50	58	53	46	45	40	37	33	30	27	24
3	58	51	46	42	53	47	39	40	34	33	28	27	23	21
4	53	45	40	35	48	42	33	35	29	29	24	24	20	18
5	48	40	34	30	44	37	28	31	24	26	21	21	17	15
6	44	36	30	26	41	33	24	28	21	26	18	19	15	13
7	41	32	26	22	37	30	21	25	18	21	16	17	13	11
8	38	29	3	19	34	27	18	23	16	19	14	15	11	10
9	35	26	20	19	32	24	16	20	14	17	12	14	10	8
10	32	23	18	15	30	22	14	19	12	16	10	13	9	7

Numbers indicate percentage values of reflectivity.

Go to www.focalpointlights.com for additional photometric data.