

Light Emission Distribution Laboratory

Division of Photometry & Electrical Testing Pty. Ltd ABN 11 166 255 134
Unit 4, 140 George St. Hornsby NSW 2077 Australia
Ph: +61 2 9476 3097 E: sales@ledlab.com.au



Accredited for
Compliance
with ISO/IEC
17025
Accreditation
No. 19541

PHOTOMETRIC TEST REPORT No. 201140PH

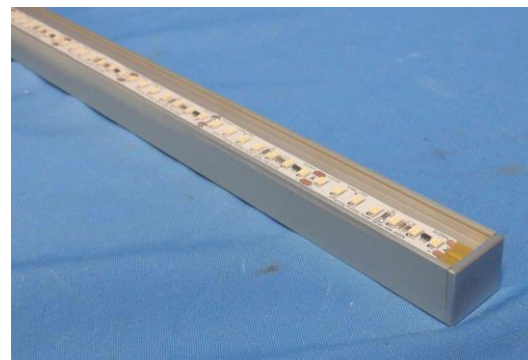
Date: 17th November 2020

Client: Offspring Profiles Ltd.
Address: 40 Austin Street, Onekawa, Napier NZ.
Contact: Robin Campbell

Luminaire: Sony Side Up 22

Catalogue No. SSU22-SUPER-26-40

Description: Offspring Profiles uplight LED extrusion with clear diffuser.

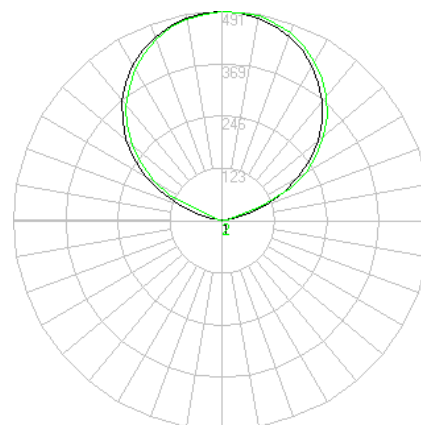


Optical System: Offspring profiles 24VDC LED board type Super Series-26W-4000K (500mm LED strip 26W/m).

Control Gear: Lisun DC Series DC3010 24VDC Power Supply

Test Specification:

The luminaire was tested in accordance with the procedures given in IES LM79-19, "Optical and electrical measurements of Solid-State Lighting Products" using the **absolute** method.



C0-C180° Vertical Plane
C90-C270° Vertical Plane

Results:

When tested at an ambient of 25°C at a supply voltage of 24VDC, the luminaire consumed 0.548A and 13.03W. That is, Lamp Circuit Power (LCP), which includes power supply losses, is 13.03W. The Total Luminous Flux was measured as 1315 Lumens. The Correlated Colour Temperature was measured as 4042K average.

Luminous Intensity Distribution (I-TABLE) is given on Page 5.

Tested by: B. Real/ J. King on 16th November 2020 **Authorised Signatory:** _____
A. Yetendje



Test Configuration

The luminaire was photometered in IESNA Horizontal – Vertical Reference angles such that:

- The luminaire was mounted with photometric centre aligned with photometric zero (in the direction of nadir), centred on the light emitting area.
- The supply wires were located on the 0° Horizontal angle, photometric horizontal, in the zero-degree photometric plane.
- In accordance with CIE S 025/E:2015 Clause 5.3.2 the face of the diffuser was co-incident with centre of the goniophotometer.
- The long dimension of the optical opening in the direction of the H= 0° - 180° Plane.
- The photometric test distance of 9.85m, is referenced to the photometric centre of the luminaire and the photocell.

Due to the Type B mounting arrangement, a correction factor to achieve correct orientation was determined but not applied as it was less than 0.5% and accounted for in the Uncertainty Budget. Should these Uncertainties be required contact LEDLab.

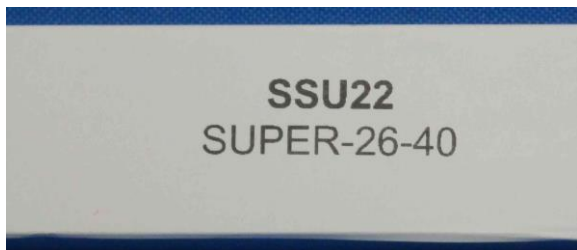
Test Procedures and Equipment

Calibration report:	200627CAL using N.M.I. report RN 181690 on standard lamp M14192
Technical Procedure:	P113 & P118
Angular Resolution:	Test Configuration and issued .ies file C Plane Interval 10 Deg Gamma Angle Interval 5.0 Deg Abbreviated Test Report File (I-Table) C Plane Interval 10 Deg Gamma Angle Interval 5.0 Deg
Software:	Lisun LSG-1800B
Obstructions:	None
Lab. Book Page:	PH4/1762
Primary Orientation Correction:	1.0
Colour correction:	1.028
Goniophotometer:	Lisun Electronics Model LSG-1800B, Serial No. GSGHF070010.
Photocell:	Lisun Electronics Detector Serial No. 330220-1
Lux meter:	Lisun Electronics Model PM 400, Serial No. GSRXK090021
Lux meter integration time (PLC):	5
Power meter:	Lisun Electronics Model RT-200, Serial No. GSXY0100021
Power meter integration time (s):	0.5
Luminaire thermometer:	AMA 1362983 0.1°C Serial No 526,10942
Temperature Data Logger:	Lisun TMP-8 Multiplex Serial No GSJWM010028
Auxiliary Photocell:	Delta Ohm HD 2102.1 & LP471PHOT

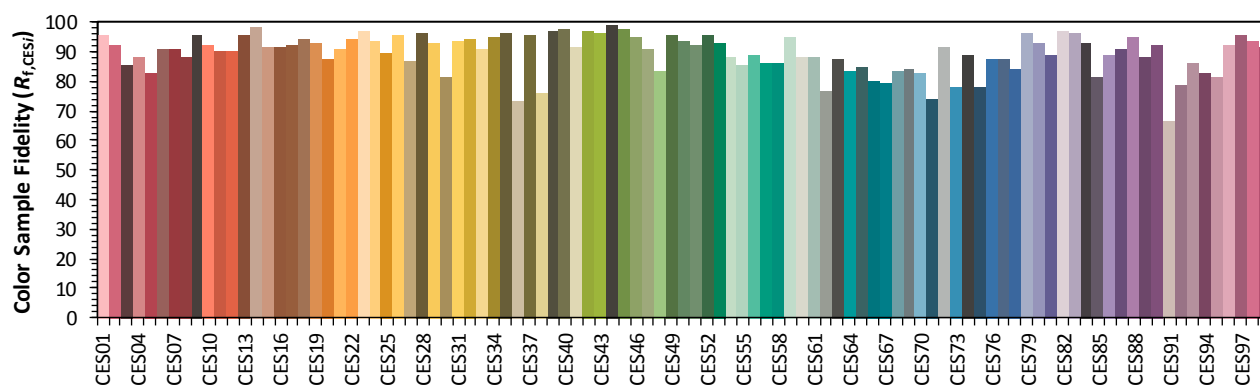
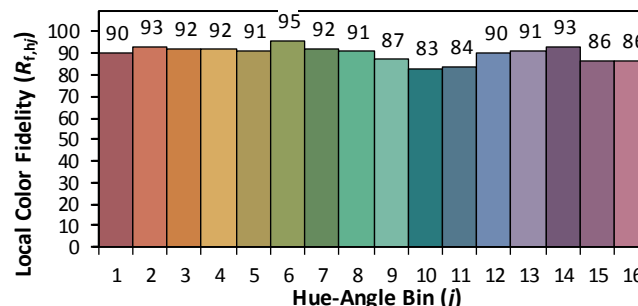
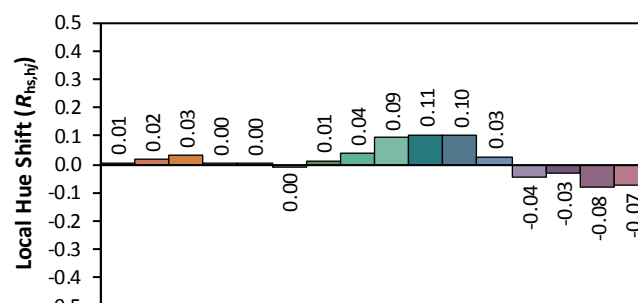
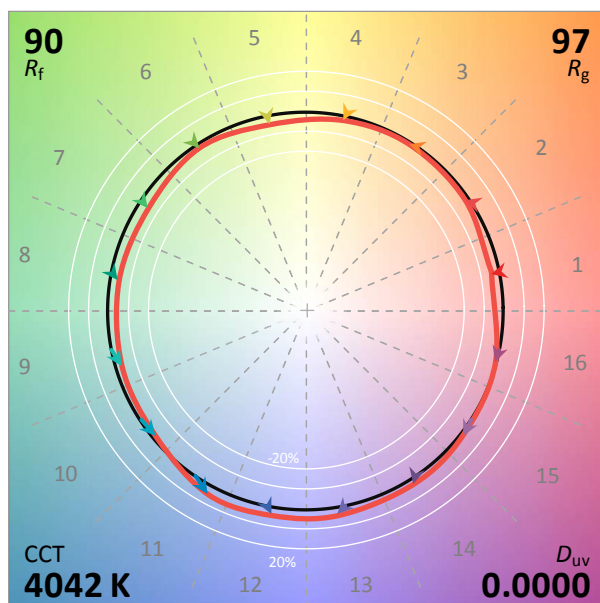
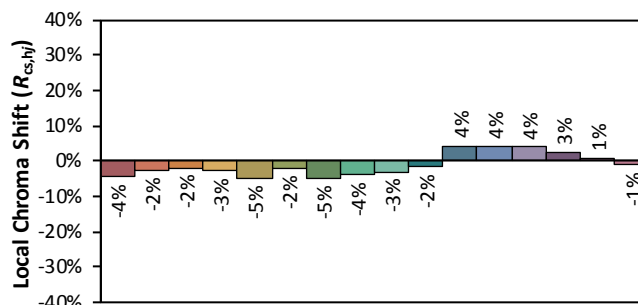
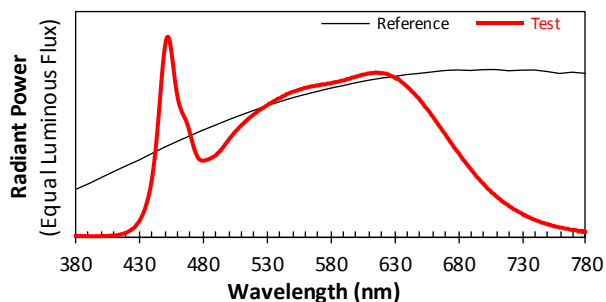
TEST REPORT and IES file archive

The data files for this report are contained in the *archive file: 201140PH.zip*

IES file: 201140PH.IES Document File: 201140PH.pdf



ANSI/IES TM-30-18 COLOR RENDITION REPORT



Notes:

x 0.3786
y 0.3757
u' 0.2243
v' 0.5008

CIE 13.3-1995
(CRI)

R_a 93
R_g 70



PHOTOMETRIC TEST REPORT No. 201140PH

Date: 17th November 2020

LUMINOUS INTENSITY DISTRIBUTION (I-Table) - cd																																					
Vertical Angle (V)																																					
Degrees	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	1	2	2	0	0	0	1	1	1	2	2	1	1	1	0	0	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
100	24	27	27	27	11	4	6	6	6	6	6	6	6	5	10	22	24	26	25	22	15	5	4	3	4	4	4	5	5	4	4	4	4	3	17	24	24
105	62	67	71	75	65	49	29	16	11	11	11	16	26	47	60	66	66	65	64	60	56	52	34	20	8	9	9	9	9	9	9	19	33	50	59	63	62
110	108	114	119	123	119	119	124	105	95	94	93	102	120	118	115	112	112	112	111	106	101	95	93	83	66	45	29	21	29	44	65	89	98	92	104	109	108
115	161	165	169	173	167	169	179	176	176	179	175	174	175	168	164	162	161	161	162	157	151	145	140	138	138	141	139	133	140	143	142	146	146	141	154	160	161
120	208	213	217	221	216	218	226	224	224	226	223	222	223	216	212	212	210	210	210	205	199	193	189	187	186	189	190	186	190	191	190	194	194	191	201	207	208
125	253	257	262	266	262	264	270	269	269	271	268	267	267	262	258	258	256	255	255	250	245	238	236	234	233	235	236	233	236	237	237	240	240	238	247	252	253
130	294	299	303	308	304	306	311	310	310	313	309	308	309	303	301	301	298	296	295	291	287	281	280	278	275	278	278	276	279	281	280	283	284	283	290	294	294
135	332	336	340	344	342	342	346	346	347	349	346	345	345	340	338	338	335	333	332	329	325	321	319	318	316	318	318	316	320	321	319	321	322	322	328	331	332
140	366	369	373	376	375	376	379	379	379	381	379	378	377	374	373	373	369	367	367	363	360	355	355	354	352	353	353	352	355	356	355	357	358	359	363	366	366
145	395	398	402	405	404	405	408	407	407	409	407	406	406	403	402	402	399	397	396	393	390	387	386	385	383	384	384	383	386	386	385	388	389	390	393	395	395
150	421	424	426	429	429	430	433	432	432	433	432	431	431	429	427	427	424	422	421	419	417	414	414	413	410	412	412	411	413	413	412	415	417	417	419	421	421
155	442	444	447	449	449	450	452	452	452	453	452	451	451	449	448	448	445	443	442	440	438	437	437	436	434	435	435	434	436	437	436	438	439	439	441	442	442
160	459	461	464	465	466	467	468	468	468	469	468	467	467	465	464	464	462	461	460	458	457	456	456	455	454	455	455	454	455	456	455	457	458	457	459	460	459
165	473	475	476	478	478	479	480	480	480	481	480	480	479	478	477	477	475	474	473	472	471	470	470	470	469	470	470	469	470	471	470	472	472	472	473	474	473
170	482	484	485	486	486	487	487	488	488	488	488	488	487	486	486	485	484	483	482	482	482	481	481	481	480	481	481	481	482	483	481	482	482	483	483	483	482
175	489	489	490	491	490	490	491	491	491	491	491	491	491	490	490	490	489	489	489	488	488	488	488	487	488	488	488	488	488	488	488	488	488	489	489	489	489
180	490	490	490	490	490	490	490	490	490	490	490	490	490	490	490	490	490	490	490	490	490	490	490	490	490	490	490	490	490	490	490	490	490	490	490	490	490