

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. 201141PH

Date: 23rd November 2020

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

Luminaire: Dado Dave 20

Catalogue No. DAD20-SUPER-26-40

Description: Offspring Profiles LED extrusion (Wall Mounted uplight), incorporating a clear curved visor.

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.

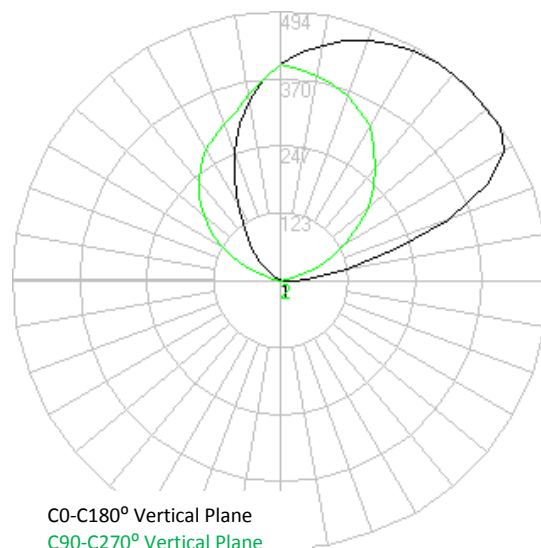
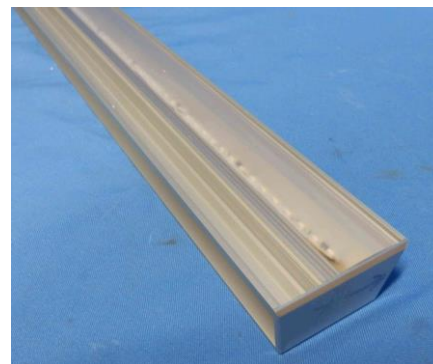
Results:

When tested at an ambient of 25°C at a supply voltage of 24V, 50Hz, the luminaire consumed 0.553A and 13.27W. That is, Lamp Circuit Power (LCP), which includes power supply losses, is 13.27W.

The Total Luminous Flux was measured as 1089Lumens.

The Correlated Colour Temperature was measured as 4058K average.

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



Signature

Tested by: B. Real/ J. King on 17th 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 leading edge of the light emitting area.
- In accordance with CIE S 025/E:2015 Clause 5.3.2 the centre of the diffuser was co-incident with centre of the goniophotometer.
- The long dimension of the optical opening in the direction of the H= 90° - 270° 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.

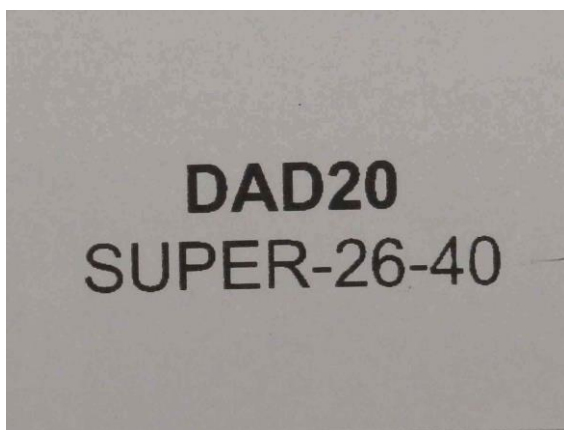
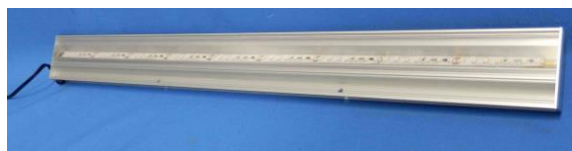
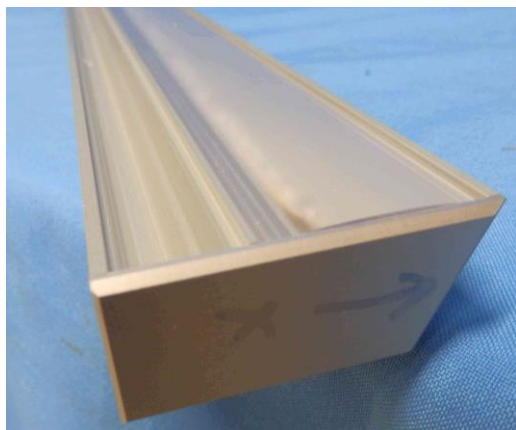
Test Procedures and Equipment

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

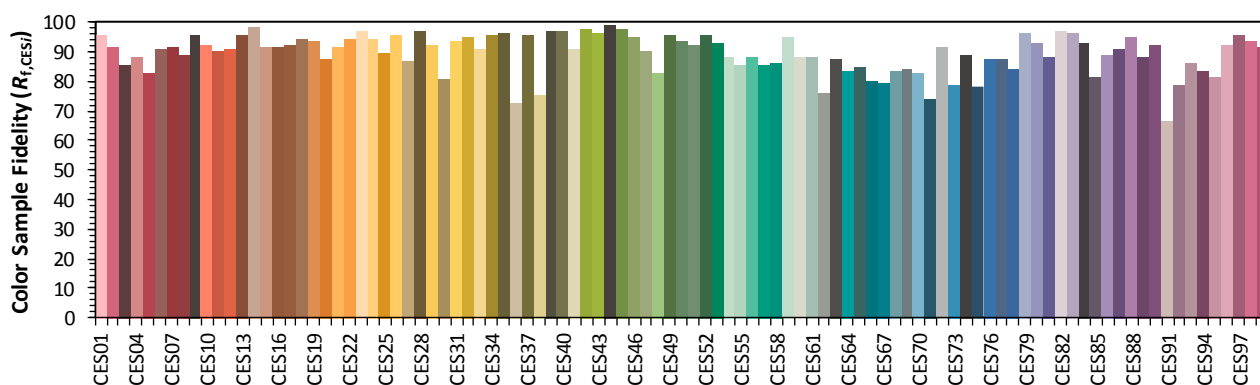
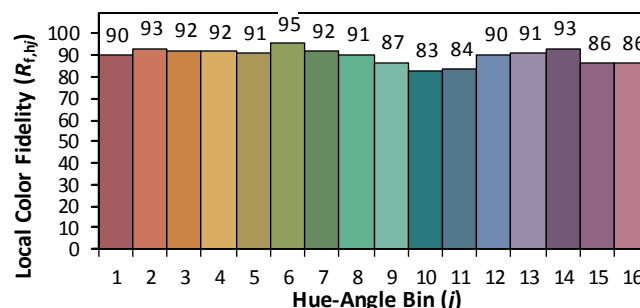
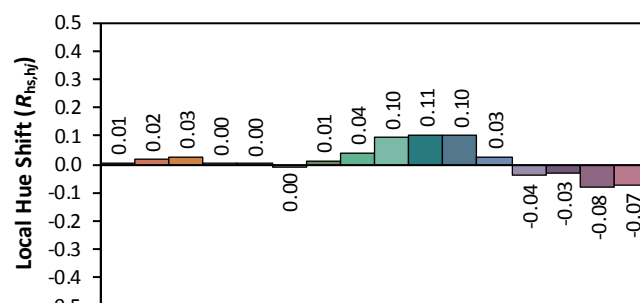
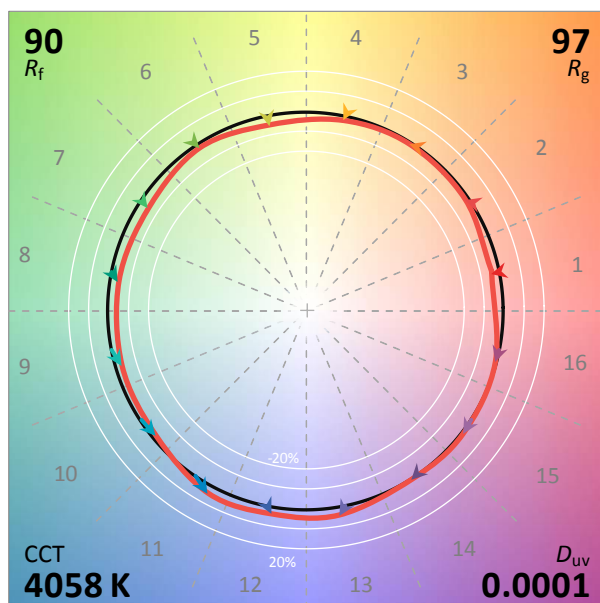
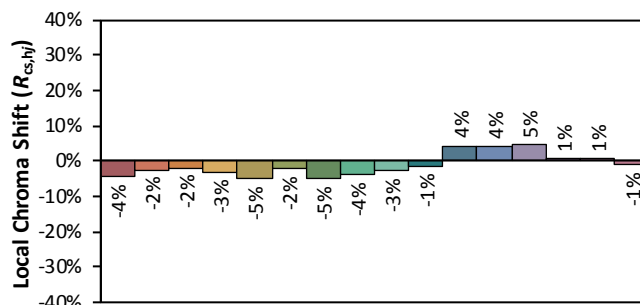
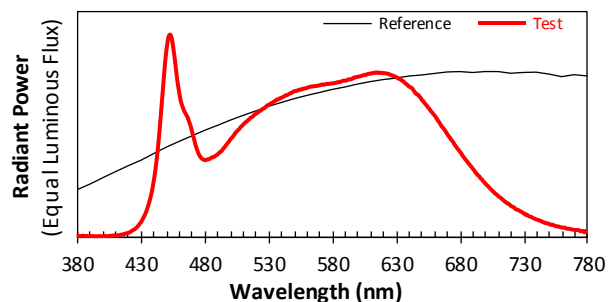
TEST REPORT and IES file archive

The data files for this report are contained in the *archive file: 201141PH.zip*

IES file: 201141PH.IES Document File: 201141PH.pdf



ANSI/IES TM-30-18 COLOR RENDITION REPORT



Notes:

x **0.3780**
y **0.3755**
u' **0.2240**
v' **0.5007**

CIE 13.3-1995
(CRI)

R_a 93
 R_g 70



PHOTOMETRIC TEST REPORT No. 201141PH

Date: 23rd 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	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0		
85	1	2	8	9	7	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	7	9	8	1	2	1		
90	25	25	24	22	19	13	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	13	19	23	25	25	25		
95	63	62	59	61	60	56	47	34	21	12	7	3	1	0	0	0	0	0	0	0	0	0	0	0	1	3	7	12	21	32	46	55	60	60	58	59	63	
100	123	120	120	118	104	99	87	66	43	24	14	6	3	0	0	0	0	0	0	0	0	0	0	3	6	14	24	42	62	84	97	103	114	114	112	123		
105	217	212	206	200	190	165	135	100	64	36	22	12	8	4	4	1	1	0	0	0	1	1	3	3	7	11	21	36	62	94	127	156	179	188	191	193	217	
110	327	320	307	289	276	240	192	147	106	71	45	28	20	11	8	5	3	3	3	3	3	4	6	9	17	25	42	67	99	136	176	219	254	264	279	284	327	
115	421	408	394	369	331	301	247	193	147	106	69	45	33	20	14	10	7	6	6	6	6	8	11	16	28	41	64	97	135	176	222	270	298	330	346	359	421	
120	473	461	452	413	371	328	281	233	187	140	94	66	50	38	29	17	12	11	11	9	10	13	21	32	43	59	86	127	170	211	251	292	329	362	387	400	473	
125	492	479	466	435	395	353	308	263	219	174	128	94	71	57	49	39	22	16	16	13	16	31	41	50	62	84	115	156	196	235	274	312	347	374	398	419	492	
130	493	482	469	450	412	374	334	293	251	208	163	124	94	77	67	60	54	51	50	42	43	49	56	67	83	110	144	184	222	260	295	328	357	383	401	430	493	
135	494	483	471	454	428	392	356	321	282	242	199	158	126	103	88	79	72	67	67	60	60	66	74	88	109	139	175	213	247	281	310	339	366	388	405	440	494	
140	493	484	474	457	438	410	376	342	306	271	232	195	163	137	116	100	92	87	87	80	77	84	96	116	140	168	201	234	266	296	324	351	374	392	408	448	493	
145	491	482	472	458	441	421	395	363	331	299	266	233	203	175	151	134	122	115	116	107	104	112	127	147	173	198	227	256	284	311	337	359	377	394	415	452	491	
150	487	479	470	459	442	424	402	379	355	327	299	268	239	213	192	176	163	157	160	148	144	148	162	181	203	227	253	278	302	323	343	362	379	395	422	454	487	
155	480	473	465	455	442	425	406	387	365	343	320	295	272	252	235	221	209	203	205	193	189	191	200	214	231	251	272	292	312	330	347	364	379	400	426	453	480	
160	469	463	456	448	437	425	410	394	376	358	340	322	304	290	275	262	254	251	253	242	237	236	239	247	260	274	290	305	322	337	351	365	384	405	427	448	469	
165	455	451	445	438	430	420	411	399	386	374	360	347	333	320	310	302	297	295	297	288	283	280	281	285	291	299	309	319	332	345	360	375	391	407	424	440	455	
170	439	436	431	427	421	414	407	398	390	381	372	363	355	348	342	337	335	334	336	329	324	322	321	323	326	331	338	345	354	363	374	384	396	407	418	429	439	
175	419	418	415	413	409	406	402	397	393	389	385	380	376	373	371	369	368	368	369	365	362	361	360	360	361	364	367	370	375	380	386	391	397	403	409	415	419	
180	396	396	396	396	396	396	396	396	396	396	396	396	396	396	396	396	396	396	396	396	396	396	396	396	396	396	396	396	396	396	396	396	396	396	396	396	396	