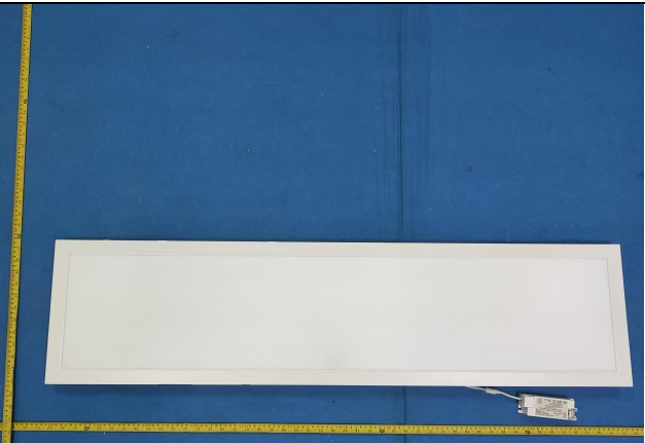
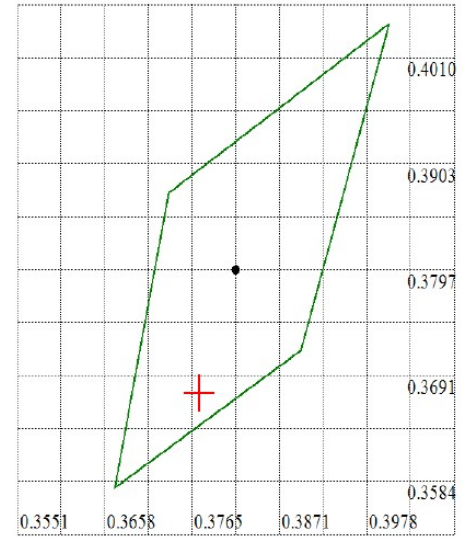
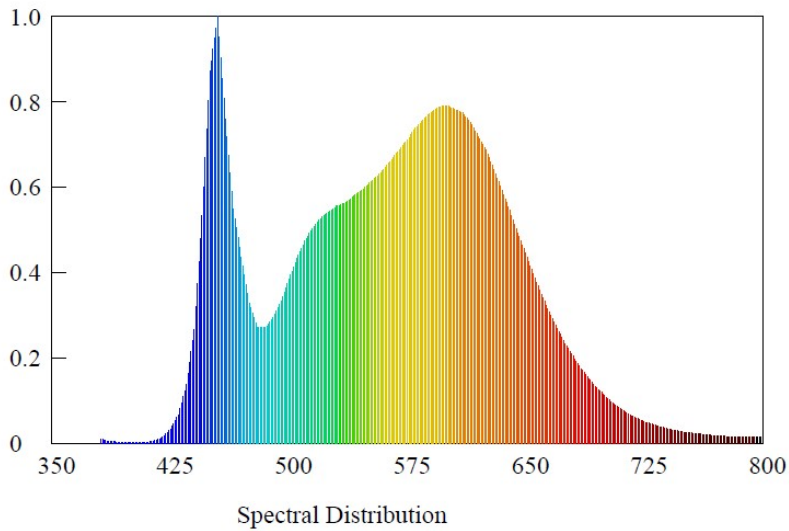


<b>Prüfbericht-Nr.:</b> <i>Test Report No.:</i>	NN20YR02 001	<b>Auftrags-Nr.:</b> <i>Order No.:</i>	168282768	Seite 1 von 9 <i>Page 1 of 9</i>
<b>Kunden-Referenz-Nr.:</b> <i>Client Reference No.:</i>	N/A	<b>Auftragsdatum:</b> <i>Order date:</i>	15-09-2020	
<b>Auftraggeber:</b> <i>Client:</i>	<b>Jibe Lighting b.v.</b> Hogebrinkerweg 14-V Hoevelaken 3871KN Netherlands			
<b>Prüfgegenstand:</b> <i>Test item:</i>	LED Panel Light			
<b>Bezeichnung / Typ-Nr.:</b> <i>Identification / Type No.:</i>	PL-30120-BL-26S-CCT			
<b>Auftrags-Inhalt:</b> <i>Order content:</i>	Test report			
<b>Prüfgrundlage:</b> <i>Test specification:</i>	LM-79-08			
<b>Wareneingangsdatum:</b> <i>Date of receipt:</i>	15-09-2020			
<b>Prüfmuster-Nr.:</b> <i>Test sample No.:</i>	168282768			
<b>Prüfzeitraum:</b> <i>Testing period:</i>	15-09-2020 to 26-09-2020			
<b>Ort der Prüfung:</b> <i>Place of testing:</i>	See page 2.			
<b>Prüflaboratorium:</b> <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
<b>Prüfergebnis*:</b> <i>Test result*:</i>	N/A			
<b>geprüft von / tested by:</b>		<b>kontrolliert von / reviewed by:</b>		
28-10-2020    Phill Liu / Project Engineer		28-10-2020    Jack Li/ Reviewer		
<b>Datum</b> <i>Date</i>	<b>Name / Stellung</b> <i>Name / Position</i>	<b>Unterschrift</b> <i>Signature</i>	<b>Datum</b> <i>Date</i>	<b>Name / Stellung</b> <i>Name / Position</i>
				<b>Unterschrift</b> <i>Signature</i>
<b>Sonstiges / Other:</b>				
This report is for issuing test report according to client's requirement.				
<b>Zustand des Prüfgegenstandes bei Anlieferung:</b> Prüfmuster vollständig und unbeschädigt <i>Condition of the test item at delivery: Test item complete and undamaged</i>				
* Legende:    1 = sehr gut                    2 = gut                    3 = befriedigend                    4 = ausreichend                    5 = mangelhaft P(ass) = entspricht o.g. Prüfgrundlage(n)    F(ail) = entspricht nicht o.g. Prüfgrundlage(n)    N/A = nicht anwendbar    N/T = nicht getestet Legend:    1 = very good                    2 = good                    3 = satisfactory                    4 = sufficient                    5 = poor P(ass) = passed a.m. test specification(s)    F(ail) = failed a.m. test specification(s)    N/A = not applicable    N/T = not tested				
<b>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</b> <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>				

<b>Test item</b> Description.....: <b>LED Panel Light</b> Trademark.....: N/A	
Model and/or type reference.....: PL-30120-BL-26S-CCT Factory.....: Same as applicant's name and address.	
Rating(s).....: AC 220-240V, 50/60Hz, 26W, 4000K	
<b>Test case verdicts</b> Test case does not apply to the test object.....: N /A Test item does meet the requirement.....: P(ass) Test item does not meet the requirement.....: F(ail) .....:	
<b>Testing</b> Date of receipt of test item .....: See cover page. Date(s) of performance of test.....: See cover page. .....:	
<b>General remarks</b> This test report shall not be reproduced except in full without the written approval of the testing laboratory. The test results presented in this report relate only to the item tested. “(see remark #)” refers to a remark appended to the report. “(see appended table)” refers to a table appended to the report. Throughout this report a comma is used as the decimal separator.	
<b>Summary of testing:</b>	
<b>Test:</b> 1. This report is only for LM-79-08 test. 2. Test condition: ta=25°C, R.H.=65%.	<b>Test location:</b> <b>Shenzhen LCS Compliance Testing Laboratory Ltd.</b> B Area, 1-2F, Building B, Zhongyu Green High-tech Industrial Park, Wenge Road, Heshuikou, Gongming Street, Guangming NewDistrict, Shenzhen, China
<b>Marking label:</b> N/A	

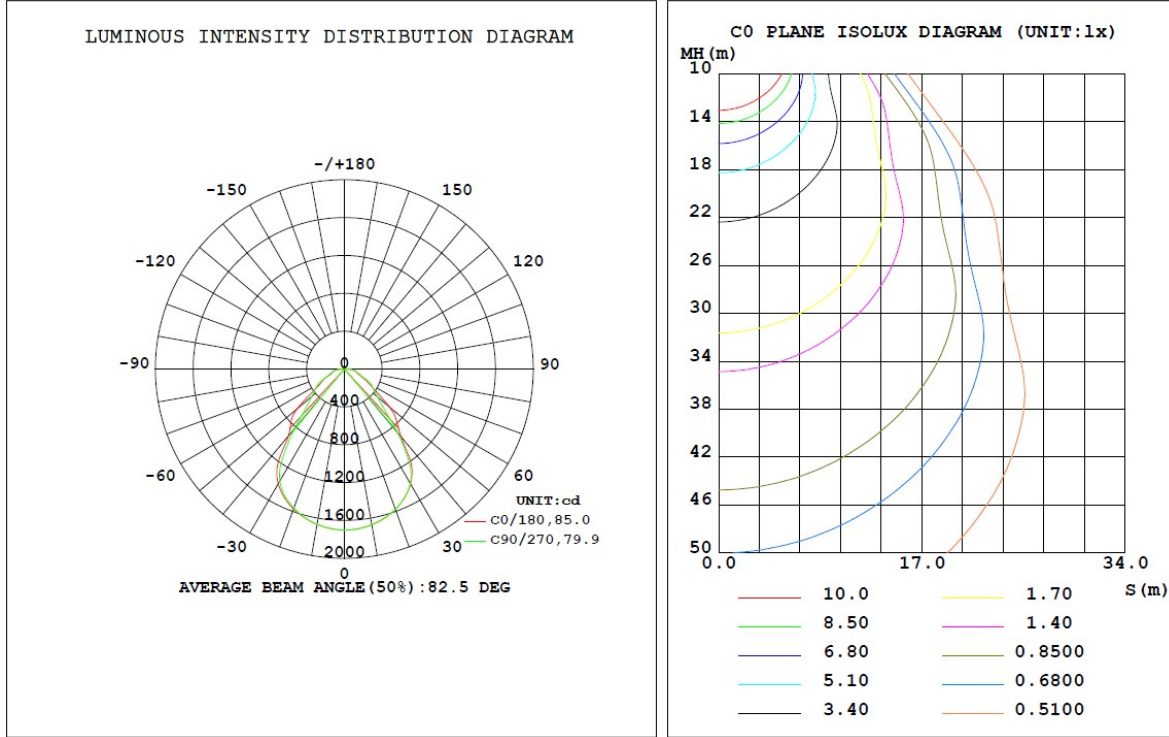
<b>Test conditions:</b>	
<b>Number of hours operated prior to measurement</b>	<b>1 hours</b>
<b>Total operating time of the product for measurements including stabilization</b>	<b>3 hours and 30 minutes for every sample.</b>
<b>Ambient</b>	<b>25 °C</b>
<b>Orientation</b>	<b>As normal use</b>
<b>Stabilization time</b>	<b>1 hours and 30 minutes</b>
<b>Test method</b>	<b>Type C Gonio-photometer with moving mirror was used for photometric measurement (C-γ system)</b>
<b>Designation and type of reference standard lamp</b>	<b>For standard luminous flux lamp</b> <b>Current: 0.8950A</b> <b>Reference luminous flux: 1220 lm</b> <b>Lamp type: Filament lamp</b> <b>Intensity distribution type: Omni-directional</b>
	<b>For standard luminous intensity lamp:</b> <b>Current: 7.2531A</b> <b>Reference luminous intensity: 817.1 cd</b> <b>Lamp type: Tungsten halogen lamp</b> <b>Intensity distribution type: Omni-directional</b>
<b>Correction factor applied</b>	<b>N/A</b>
<b>Photometric distance</b>	<b>1.0m for photometric measurement</b> <b>26m for luminous intensity measurement</b>

<b>Measured Results</b>			
	PL-30120-BL-26S-CCT		
<b>Test voltage (V)</b>	230.00	--	--
<b>Total luminous flux (lm)</b>	3390.66	--	--
<b>Input wattage (W)</b>	25.286	--	--
<b>Input current (A)</b>	0.1143	--	--
<b>Frequency (Hz)</b>	50.00	--	--
<b>Power factor</b>	0.9614	--	--
<b>Efficacy (lm/W)</b>	134.09	--	--
<b>CCT</b>	4018	--	--
<b>Chromaticity x</b>	0.3773	--	--
<b>Chromaticity y</b>	0.3673	--	--
<b>Chromaticity u'</b>	0.2268	--	--
<b>Chromaticity v'</b>	0.4969	--	--
<b>CRI</b>	87.7	--	--
<b>R9</b>	31	--	--
<b>Du'v' (Max.)</b>	-0.004	--	--

**Spectral power distribution: (Clause 10 of LM-79)**
**PL-30120-BL-26S-CCT**
**Test on 230V, 50Hz**
**Spectroradiometric Parameters**

 Nominal CCT:LED 4000K  
 x0=0.3818 y0=0.3797

**Dominant WL: 580.0nm**
**Peak WL: 455.0nm**
**Luminous Intensity Distribution, Ambient temperature: 25°C (Clause 10 of LM-79)**

Description	Data		
<b>Model</b>	PL-30120-BL-26S-CCT		
<b>Test voltage (V)</b>	230.00	--	--
<b>Test current (A)</b>	0.1143	--	--
<b>Test wattage (W)</b>	25.286	--	--
<b>Frequency (Hz)</b>	50.00	--	--
<b>Power factor</b>	0.9614	--	--
<b>Max. luminous intensity</b>	1702	--	--

**PL-30120-BL-26S-CCT:**  
 Test on 230V, 50Hz

**Zonal Flux Diagram**  
**PL-30120-BL-26S-CCT:**  
 Test on 230V, 50Hz

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total	%lum, lamp
10	1669	1670	1672	1669	1667	1666	1666	1669	0- 10	160.8	160.8	4.74, 4.74
20	1577	1579	1575	1576	1574	1568	1563	1574	10- 20	459.3	620.1	18.3, 18.3
30	1402	1404	1393	1400	1401	1382	1366	1392	20- 30	687.8	1308	38.6, 38.6
40	932.5	906.3	876.2	887.6	920.5	856.9	823.7	864.0	30- 40	731.0	2039	60.1, 60.1
50	627.3	511.1	459.8	502.9	647.8	499.3	452.0	504.3	40- 50	525.9	2565	75.6, 75.6
60	292.3	324.5	330.1	324.4	280.3	309.7	323.0	314.5	50- 60	358.7	2923	86.2, 86.2
70	156.1	210.8	178.8	210.3	149.9	204.8	173.0	212.9	60- 70	241.7	2165	92.3, 92.3
80	118.4	111.4	112.8	103.0	112.8	100.8	110.2	107.4	70- 80	150.5	2316	97.8, 97.8
90	1.636	5.032	2.051	0.6445	0.1630	0.2455	0.4107	0.5692	80- 90	69.40	3385	99.8, 99.8
100	0.1660	0.0826	0.3303	0.1658	0.2469	0.2479	0.6637	0.0855	90-100	0.3213	3385	99.8, 99.8
110	0.0830	0.0826	0.3303	0.1658	0.2538	0.3306	1.734	0.2487	100-110	0.3250	3386	99.9, 99.9
120	0.0830	0.0826	0.2477	0.1658	0.4149	0.4959	1.815	0.4192	110-120	0.4177	3386	99.9, 99.9
130	0.0830	0.3303	0.2477	0.1658	0.7468	0.9099	0.7432	0.8289	120-130	0.4141	3387	99.9, 99.9
140	1.154	1.321	0.5761	1.407	1.079	1.653	1.074	1.327	130-140	0.6671	3387	99.9, 99.9
150	1.821	1.982	1.729	2.317	1.909	2.232	1.817	2.155	140-150	1.121	3388	99.9, 99.9
160	1.989	2.645	2.642	2.735	2.574	3.058	3.388	3.318	150-160	1.150	3390	100, 100
170	2.821	3.222	2.808	2.979	2.904	3.140	4.129	4.062	160-170	0.8405	3390	100, 100
180	3.070	3.719	2.808	2.984	2.904	3.223	4.129	3.561	170-180	0.3108	3391	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2324.2 lm

 %lum = 68.5%  
 %lamp = 68.5%

Conical surface Flux(120deg): 2923.5 lm

 %lum = 86.2%  
 %lamp = 86.2%



**Luminous Intensity Distribution Data**  
**PL-30120-BL-26S-CCT:**  
**Test on 230V, 50Hz**

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	1702	1702	1702	1702	1702	1702	1702	1702	1702	1702	1702	1702	1702	1702	1702	1702			
5	1693	1692	1694	1695	1694	1694	1693	1691	1690	1689	1690	1692	1691	1691	1693	1691			
10	1669	1669	1670	1672	1672	1670	1669	1666	1667	1664	1666	1664	1666	1666	1669	1669			
15	1630	1630	1632	1634	1633	1632	1630	1625	1627	1623	1625	1626	1624	1626	1630	1628			
20	1577	1572	1579	1580	1575	1579	1576	1568	1574	1563	1568	1567	1563	1569	1574	1569			
25	1503	1496	1504	1505	1502	1505	1502	1493	1500	1486	1490	1488	1486	1491	1497	1493			
30	1402	1393	1404	1402	1393	1400	1400	1388	1401	1381	1382	1377	1366	1381	1393	1391			
35	1240	1215	1227	1225	1196	1226	1220	1204	1233	1181	1178	1169	1134	1180	1206	1210			
40	933	899	906	919	876	909	888	884	920	860	857	869	824	871	864	885			
45	786	635	693	720	593	730	676	621	801	607	664	705	565	698	678	613			
50	627	492	511	545	460	538	503	504	648	502	499	513	452	524	504	497			
55	405	399	403	401	380	395	399	420	395	413	385	373	375	385	392	407			
60	292	326	325	296	330	288	324	320	280	315	310	280	323	285	314	329			
65	210	268	264	218	249	219	267	266	223	264	255	214	230	210	262	274			
70	156	194	211	180	179	188	210	196	150	186	205	190	173	181	213	197			
75	132	138	152	148	138	148	149	131	133	124	140	139	128	143	152	136			
80	118	104	111	113	113	105	103	101	113	98.8	101	103	110	110	107	101			
85	68.5	68.6	75.6	77.4	66.2	77.1	72.6	65.0	62.4	63.2	67.9	69.2	58.0	69.0	72.3	66.2			
90	1.64	3.86	5.03	4.72	2.05	1.51	0.64	0.38	0.16	0.25	0.25	0.41	0.41	0.17	0.57	2.50			
95	0.17	0.17	0.25	0.25	0.33	0.25	0.25	0.17	0.08	0.17	0.17	0.33	0.50	0.17	0.08	0.08			
100	0.17	0.08	0.08	0.25	0.33	0.25	0.17	0.17	0.25	0.17	0.25	0.50	0.66	0.25	0.09	0.08			
105	0.08	0.08	0.08	0.25	0.33	0.25	0.17	0.17	0.25	0.25	0.25	0.74	1.25	0.33	0.17	0.17			
110	0.08	0.08	0.08	0.25	0.33	0.25	0.17	0.17	0.25	0.33	0.33	1.16	1.73	0.58	0.25	0.25			
115	0.08	0.08	0.08	0.25	0.33	0.25	0.17	0.17	0.33	0.33	0.58	1.24	1.73	0.66	0.33	0.25			
120	0.08	0.08	0.08	0.25	0.25	0.25	0.17	0.17	0.41	0.41	0.50	1.24	1.82	0.66	0.42	0.33			
125	0.08	0.08	0.08	0.25	0.25	0.25	0.17	0.25	0.50	0.41	0.58	1.24	1.24	0.66	0.66	0.50			
130	0.08	0.08	0.33	0.41	0.25	0.49	0.17	0.25	0.75	0.58	0.91	1.74	0.74	0.91	0.83	0.50			
135	0.33	0.25	0.42	0.83	0.25	0.66	0.41	0.33	0.83	0.66	1.08	2.48	0.75	1.57	1.00	0.75			
140	1.15	0.74	1.32	1.32	0.58	1.32	1.41	0.83	1.08	1.07	1.65	3.22	1.07	2.90	1.33	0.99			
145	1.49	1.41	1.32	1.73	1.48	1.57	1.49	1.32	1.58	1.49	1.98	3.63	1.40	3.81	1.66	1.49			
150	1.82	1.82	1.98	2.56	1.73	2.39	2.32	1.65	1.91	1.99	2.23	3.55	1.82	4.14	2.16	1.90			
155	1.99	2.07	2.64	2.73	1.98	2.73	2.74	1.90	2.24	2.40	2.81	3.55	2.39	3.80	2.49	2.31			
160	1.99	2.48	2.64	2.73	2.64	2.73	2.74	2.07	2.57	2.65	3.06	3.55	3.39	2.81	3.32	2.64			
165	2.65	2.73	2.73	3.05	2.81	2.81	2.74	2.64	2.74	2.81	3.06	3.63	4.05	2.81	3.81	2.89			
170	2.82	2.81	3.22	3.88	2.81	2.98	2.98	2.73	2.90	2.98	3.14	3.72	4.13	2.81	4.06	2.97			
175	3.07	3.23	3.80	4.05	2.81	3.15	2.98	2.81	2.90	3.06	3.22	3.72	4.13	2.81	4.06	2.97			
180	3.07	3.23	3.72	4.29	2.81	3.31	2.98	2.81	2.90	3.06	3.22	3.72	4.13	2.81	3.56	2.97			

**UGR(Unified Glare Rating) Table**
**PL-30120-BL-26S-CCT:**  
**Test on 230V, 50Hz**
**UGR(Unified Glare Rating) Table**

Test:U:230.00V I:0.1143A P:25.286W PF:0.9614 Freq:50.00Hz Lamp Flux:3390.66x1 lm											
NAME:		TYPE:LED				WEIGHT:N/A					
SPEC.:N/A		DIM.:				SERIAL No.:N/A					
MFR.: Jibe Lighting b.v.		SUR.:				Shielding Angle:N/A					
ceiling/cavity		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H y = 2H	2H	14.4	15.8	14.7	16.0	16.2	14.3	15.6	14.5	15.8	16.0
	3H	15.3	16.6	15.6	16.8	17.0	15.2	16.5	15.5	16.7	16.9
	4H	15.8	17.0	16.1	17.2	17.4	15.8	16.9	16.1	17.2	17.4
	6H	16.4	17.5	16.7	17.8	18.0	16.3	17.4	16.7	17.7	18.0
	8H	16.7	17.8	17.0	18.1	18.3	16.7	17.8	17.0	18.0	18.3
	12H	17.0	18.0	17.3	18.3	18.6	17.0	18.0	17.3	18.3	18.6
4H	2H	14.8	16.0	15.2	16.3	16.5	14.7	15.9	15.0	16.1	16.4
	3H	16.0	17.1	16.4	17.3	17.6	15.9	16.9	16.3	17.2	17.5
	4H	16.6	17.6	17.0	17.9	18.2	16.6	17.6	17.0	17.9	18.2
	6H	17.4	18.2	17.8	18.6	18.9	17.4	18.2	17.8	18.6	18.9
	8H	17.8	18.6	18.2	18.9	19.3	17.8	18.6	18.2	19.0	19.4
	12H	18.2	18.9	18.6	19.3	19.7	18.2	18.9	18.6	19.3	19.7
8H	4H	16.9	17.7	17.3	18.1	18.4	16.9	17.7	17.3	18.1	18.4
	6H	17.9	18.5	18.3	18.9	19.4	17.9	18.6	18.4	19.0	19.4
	8H	18.4	19.0	18.9	19.4	19.9	18.5	19.1	19.0	19.5	20.0
	12H	19.0	19.4	19.4	19.9	20.4	19.1	19.6	19.6	20.1	20.5
12H	4H	17.0	17.7	17.4	18.1	18.5	17.0	17.7	17.4	18.1	18.5
	6H	18.0	18.6	18.5	19.0	19.5	18.0	18.6	18.5	19.0	19.5
	8H	18.6	19.1	19.1	19.6	20.0	18.7	19.2	19.2	19.7	20.2
Variations with the observer position at spacings:											
S = 1.0H		+ 0.3 / - 0.4				+ 0.3 / - 0.4					
1.5H		+ 0.2 / - 0.1				+ 0.2 / - 0.2					
2.0H		+ 0.6 / - 0.4				+ 0.4 / - 0.3					

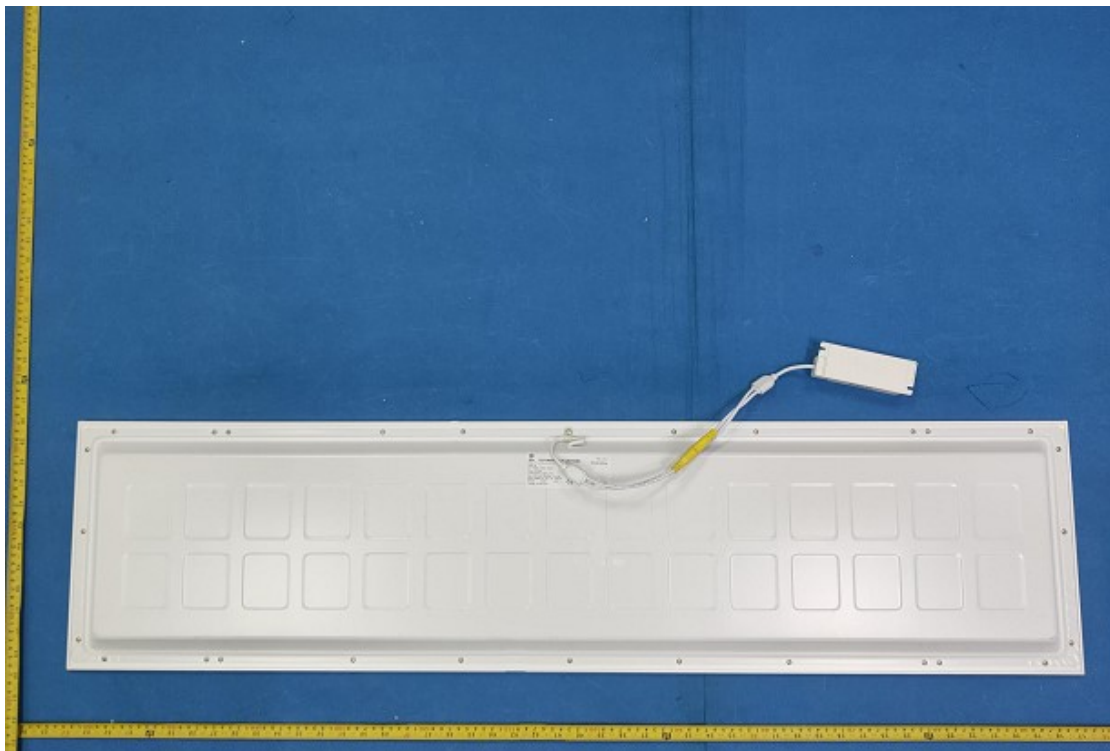
 CIE Pub.117, 3391 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 4.2$ )



**Photo document:**



**Picture 1. Overall view of model PL-30120-BL-26S-CCT**



**Picture 2. Back view of model PL-30120-BL-26S-CCT**

**=== End of report ===**