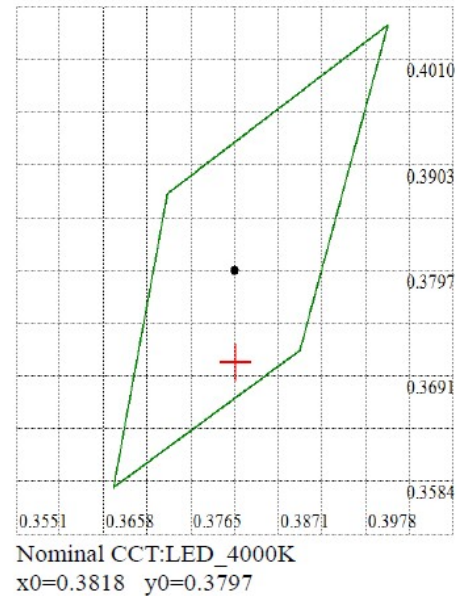
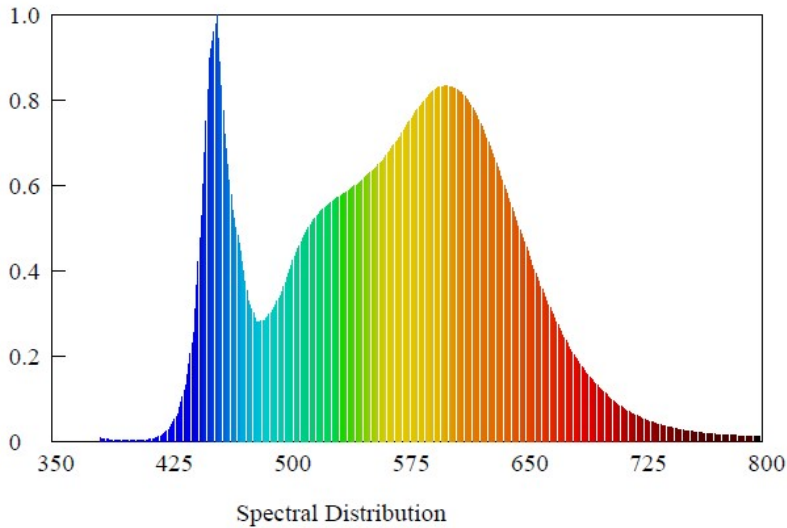


<b>Prüfbericht-Nr.:</b> <i>Test Report No.:</i>	<b>NN20B60F 001</b>	<b>Auftrags-Nr.:</b> <i>Order No.:</i>	<b>168282768</b>	Seite 1 von 9 <i>Page 1 of 9</i>	
<b>Kunden-Referenz-Nr.:</b> <i>Client Reference No.:</i>	N/A	<b>Auftragsdatum:</b> <i>Order date:</i>	15-09-2020		
<b>Auftraggeber:</b> <i>Client:</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-6060-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>	<b>168282768</b>				
<b>Prüfzeitraum:</b> <i>Testing period:</i>	15-09-2020 to 17-09-2020				
<b>Ort der Prüfung:</b> <i>Place of testing:</i>	<b>See page 2.</b>				
<b>Prüflaboratorium:</b> <i>Testing laboratory:</i>	<b>TÜV Rheinland (Shenzhen) Co., Ltd.</b>				
<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:</i> Test item complete and undamaged					
* 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-6060-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>

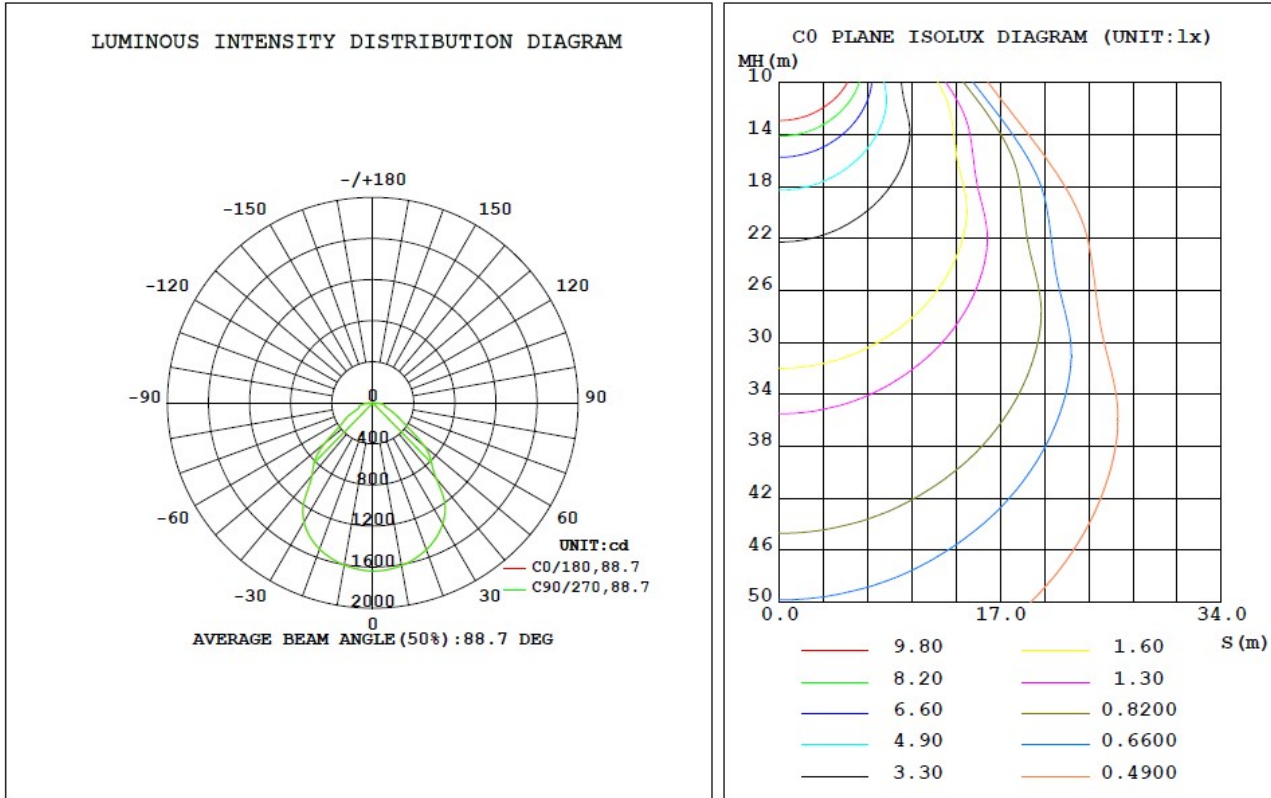
<b>Measured Results</b>			
	PL-6060-BL-26S-CCT		
<b>Test voltage (V)</b>	230.05	--	--
<b>Total luminous flux (lm)</b>	3402.96	--	--
<b>Input wattage (W)</b>	24.147	--	--
<b>Input current (A)</b>	0.1093	--	--
<b>Frequency (Hz)</b>	50.00	--	--
<b>Power factor</b>	0.9626	--	--
<b>Efficacy (lm/W)</b>	140.92	--	--
<b>CCT</b>	3912	--	--
<b>Chromaticity x</b>	0.3819	--	--
<b>Chromaticity y</b>	0.3704	--	--
<b>Chromaticity u'</b>	0.2286	--	--
<b>Chromaticity v'</b>	0.4989	--	--
<b>CRI</b>	87.5	--	--
<b>R9</b>	29	--	--
<b>Du'v' (Max.)</b>	-0.00343	--	--

**Spectral power distribution: (Clause 10 of LM-79)**
**PL-6060-BL-26S-CCT**
**Test on 230V, 50Hz**
**Spectroradiometric Parameters**

**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-6060-BL-26S-CCT		
<b>Test voltage (V)</b>	230.05	--	--
<b>Test current (A)</b>	0.1093	--	--
<b>Test wattage (W)</b>	24.147	--	--
<b>Frequency (Hz)</b>	50.00	--	--
<b>Power factor</b>	0.9600	--	--
<b>Max. luminous intensity</b>	1639	--	--

**PL-6060-BL-26S-CCT:**

Test on 230V, 50Hz


**Zonal Flux Diagram**
**PL-6060-BL-26S-CCT:**

Test on 230V, 50Hz

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	φ zone	φ total	%lum, lamp
10	1610	1610	1610	1610	1604	1606	1605	1605	0- 10	154.8	154.8	4.55,4.55
20	1523	1524	1522	1523	1516	1517	1515	1516	10- 20	443.0	597.8	17.6,17.6
30	1361	1361	1361	1361	1340	1342	1341	1340	20- 30	666.2	1264	37.1,37.1
40	959.7	960.7	960.4	960.3	923.0	923.2	922.5	922.0	30- 40	732.4	1996	58.7,58.7
50	652.9	652.8	653.3	653.3	608.1	608.1	607.4	607.8	40- 50	614.2	2611	76.7,76.7
60	292.7	292.9	292.8	292.8	300.2	300.6	300.3	300.4	50- 60	380.6	2991	87.9,87.9
70	149.0	148.9	148.9	148.9	145.8	145.9	145.9	146.0	60- 70	209.7	3201	94.1,94.1
80	109.5	109.6	109.6	109.5	106.7	106.6	106.7	106.6	70- 80	136.3	3337	98.1,98.1
90	1.170	1.212	1.172	1.221	0.1574	0.1575	0.1575	0.1575	80- 90	60.16	3397	99.8,99.8
100	0.1574	0.1575	0.1575	0.1575	0.1574	0.1594	0.1579	0.1575	90-100	0.2316	3398	99.8,99.8
110	0.1574	0.1575	0.1575	0.0787	0.3950	0.3937	0.4724	0.3951	100-110	0.2268	3398	99.9,99.9
120	0.1574	0.1575	0.1575	0.0787	0.8658	0.7919	0.7883	0.7873	110-120	0.3847	3398	99.9,99.9
130	0.3149	0.3918	0.3149	0.3917	1.340	1.262	1.260	1.262	120-130	0.5407	3399	99.9,99.9
140	1.102	1.255	1.179	1.102	1.971	2.047	1.892	1.969	130-140	0.8728	3400	99.9,99.9
150	1.574	1.653	1.652	1.575	2.522	2.598	2.520	2.599	140-150	1.127	3401	99.9,99.9
160	1.732	1.732	1.732	1.732	3.227	3.231	3.232	3.307	150-160	1.069	3402	100,100
170	2.672	2.676	2.598	2.596	3.463	3.307	3.307	3.228	160-170	0.7836	3403	100,100
180	3.384	3.153	3.386	3.386	3.385	3.387	3.386	3.228	170-180	0.2979	3403	100,100
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

Conical surface Flux(90deg): 2317.3 lm

 %lum = 68.1%  
 %lamp = 68.1%

Conical surface Flux(120deg): 2991.2 lm

 %lum = 87.9%  
 %lamp = 87.9%

**Luminous Intensity Distribution Data**  
**PL-6060-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	1638	1638	1638	1638	1638	1638	1638	1638	1638	1638	1638	1638	1638	1638	1638	1638			
5	1631	1631	1631	1632	1631	1631	1633	1631	1627	1627	1627	1628	1627	1626	1627	1628			
10	1610	1609	1610	1609	1610	1609	1610	1609	1604	1604	1606	1605	1605	1604	1605	1605			
15	1572	1572	1573	1573	1573	1572	1572	1572	1567	1567	1568	1568	1567	1567	1567	1566			
20	1523	1523	1524	1522	1522	1521	1523	1522	1516	1516	1517	1516	1515	1515	1516	1515			
25	1454	1454	1454	1454	1455	1453	1456	1454	1443	1444	1443	1444	1443	1442	1444	1443			
30	1361	1360	1361	1361	1361	1361	1361	1361	1340	1341	1342	1341	1341	1341	1341	1341			
35	1228	1227	1228	1227	1228	1228	1227	1228	1166	1166	1166	1165	1165	1165	1165	1164			
40	960	960	961	960	960	960	960	959	923	922	923	923	922	922	922	923			
45	803	803	804	804	803	804	804	803	803	802	803	803	802	802	802	803			
50	653	654	653	653	653	652	653	653	608	608	608	608	607	607	608	608			
55	419	419	419	419	420	419	420	419	389	389	389	389	389	389	389	389			
60	293	292	293	293	293	293	293	293	300	300	301	301	300	300	300	300			
65	214	213	214	213	213	214	214	213	200	200	200	200	200	200	200	200			
70	149	149	149	149	149	149	149	149	146	146	146	146	146	146	146	146			
75	119	119	119	119	119	119	119	119	140	140	140	140	140	140	140	140			
80	109	110	110	109	110	109	110	109	107	106	107	107	107	106	107	106			
85	61.7	61.6	61.7	61.7	61.7	61.7	61.7	61.6	50.3	50.2	50.3	50.3	50.3	50.4	50.5	50.6			
90	1.17	1.21	1.21	1.25	1.17	1.14	1.22	1.28	0.16	0.16	0.16	0.08	0.16	0.16	0.16	0.08			
95	0.24	0.24	0.24	0.24	0.31	0.24	0.31	0.24	0.16	0.16	0.16	0.08	0.16	0.16	0.16	0.08			
100	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16			
105	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.31	0.31	0.24	0.24	0.32	0.24	0.24	0.31			
110	0.16	0.16	0.16	0.16	0.16	0.16	0.08	0.16	0.40	0.39	0.39	0.40	0.47	0.40	0.40	0.40			
115	0.16	0.16	0.16	0.16	0.16	0.16	0.08	0.16	0.63	0.63	0.63	0.55	0.63	0.71	0.71	0.71			
120	0.16	0.16	0.16	0.16	0.16	0.16	0.08	0.16	0.87	0.79	0.79	0.79	0.79	0.79	0.79	0.86			
125	0.16	0.16	0.16	0.16	0.16	0.16	0.08	0.16	1.02	0.94	1.02	1.10	1.02	0.94	0.95	1.02			
130	0.31	0.39	0.39	0.31	0.31	0.24	0.39	0.31	1.34	1.26	1.26	1.26	1.26	1.26	1.26	1.26			
135	0.55	0.63	0.47	0.63	0.55	0.55	0.55	0.47	1.66	1.58	1.58	1.66	1.66	1.57	1.58	1.58			
140	1.10	1.26	1.26	1.18	1.18	1.26	1.10	1.03	1.97	1.97	2.05	1.97	1.89	1.97	1.97	1.97			
145	1.34	1.34	1.34	1.34	1.33	1.34	1.33	1.34	2.28	2.20	2.36	2.21	2.28	2.21	2.13	2.21			
150	1.57	1.65	1.65	1.65	1.65	1.57	1.57	1.57	2.52	2.60	2.60	2.60	2.52	2.52	2.60	2.52			
155	1.73	1.73	1.81	1.81	1.81	1.73	1.81	1.73	2.99	2.99	2.92	2.92	2.91	2.91	2.84	2.84			
160	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.81	3.23	3.31	3.23	3.15	3.23	3.23	3.31	3.30			
165	2.44	2.59	2.44	2.52	2.36	2.36	2.52	2.52	3.38	3.38	3.31	3.23	3.31	3.23	3.23	3.31			
170	2.67	2.60	2.68	2.68	2.60	2.67	2.60	2.67	3.46	3.38	3.31	3.23	3.31	3.23	3.23	3.31			
175	3.14	3.07	3.15	3.15	3.14	2.99	3.07	3.07	3.46	3.38	3.31	3.23	3.31	3.23	3.23	3.31			
180	3.38	3.23	3.15	3.31	3.39	3.30	3.39	3.70	3.38	3.30	3.39	3.23	3.39	3.23	3.23	3.31			

**UGR(Unified Glare Rating) Table**
**PL-6060-BL-26S-CCT:**  
**Test on 230V, 50Hz**
**UGR(Unified Glare Rating) Table**

Test:U:230.05V I:0.1093A P:24.147W PF:0.9600 Freq:50.00Hz Lamp Flux:3402.96x1 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	14.8	16.1	15.0	16.3	16.5	14.8	16.1	15.0	16.3	16.5
	3H	15.3	16.6	15.6	16.8	17.0	15.3	16.6	15.6	16.8	17.0
	4H	15.7	16.8	16.0	17.1	17.3	15.6	16.8	16.0	17.1	17.3
	6H	16.2	17.3	16.6	17.6	17.9	16.2	17.3	16.5	17.6	17.9
	8H	16.5	17.6	16.9	17.9	18.1	16.5	17.6	16.9	17.9	18.1
	12H	16.8	17.8	17.1	18.1	18.4	16.8	17.8	17.1	18.1	18.4
4H	2H	15.0	16.1	15.3	16.4	16.6	14.9	16.1	15.3	16.4	16.6
	3H	15.7	16.7	16.1	17.0	17.3	15.7	16.7	16.1	17.0	17.3
	4H	16.2	17.1	16.6	17.4	17.8	16.2	17.1	16.6	17.4	17.8
	6H	17.0	17.9	17.4	18.2	18.6	17.0	17.9	17.4	18.2	18.6
	8H	17.4	18.2	17.8	18.6	19.0	17.4	18.2	17.8	18.6	19.0
	12H	17.8	18.5	18.2	18.9	19.3	17.8	18.5	18.2	18.9	19.3
8H	4H	16.4	17.2	16.8	17.6	17.9	16.4	17.2	16.8	17.6	17.9
	6H	17.5	18.2	18.0	18.6	19.0	17.5	18.2	18.0	18.6	19.0
	8H	18.1	18.6	18.5	19.1	19.5	18.1	18.6	18.5	19.1	19.5
	12H	18.6	19.1	19.0	19.5	20.0	18.6	19.1	19.0	19.5	20.0
12H	4H	16.5	17.2	16.9	17.6	18.0	16.5	17.2	16.9	17.6	18.0
	6H	17.7	18.2	18.1	18.6	19.1	17.6	18.2	18.1	18.6	19.1
	8H	18.3	18.8	18.7	19.2	19.7	18.3	18.8	18.7	19.2	19.7
Variations with the observer position at spacings:											
S = 1.0H		+ 0.4 / - 0.5				+ 0.4 / - 0.5					
1.5H		+ 0.2 / - 0.3				+ 0.2 / - 0.3					
2.0H		+ 0.9 / - 0.6				+ 0.9 / - 0.6					

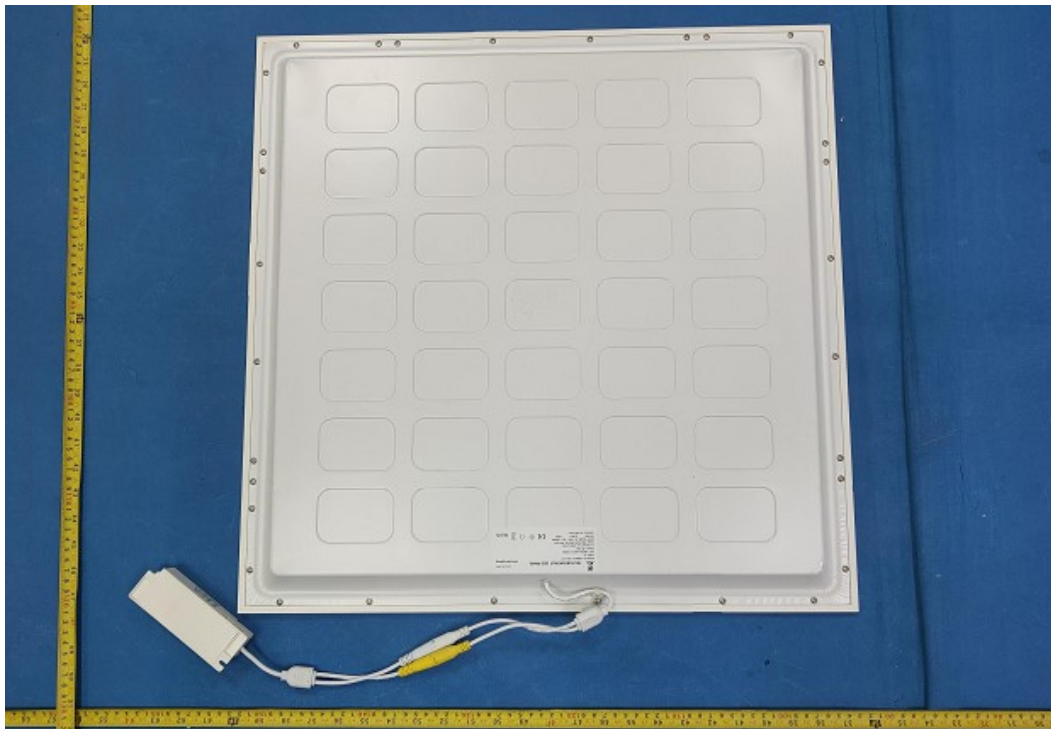
CIE Pub.117, 3403 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 4.3$ )



**Photo document:**



**Picture 1. Overall view of model PL-6060-BL-26S-CCT**



**Picture 2. Back view of model PL-6060-BL-26S-CCT**

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