

ANSI/IES LM-79-19

MEASUREMENT AND TEST REPORT

For

GREEN CREATIVE LTD

Room 3603, Level 36, Tower 1, Enterprise Square Five, 38 Wang Chiu Road, Kowloon Bay, Kowloon,
Hong Kong, China

Test Model:
NYXDM8RD/S9CCT5S/DUALDIM/WD/WBW

Report Type:	Electrical and Photometric tests including: Luminous Flux, Luminous Intensity Distribution, THD
Reviewed By:	Ezer Pan <i>Ezer Pan</i>
Report Number:	KS2231204-72556E-EE-7
Test Date:	2023-12-09
Report Date:	2024-04-18
Approved by:	Blake Zhang / EE Engineer
Prepared By:	Bay Area Compliance Laboratories Corp. (Shenzhen) 5F (B-West), 6F, 7F, the 3rd Phase of Wan Li Industrial Building D Shihua Road, Futian Free Trade Zone Shenzhen 518038 China. Tel: +86-755-33320018 Fax: +86-755-33320008
Test Location:	Test facility was located at No.12, Pulong East 1 st Road, Tangxia Town, Dongguan, Guangdong, China.

Note: This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp.(Shenzhen). This report must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, or any agency of the U.S. Government. *This report contains data that are not covered by the NVLAP accreditation.

1. Product Description[#]

General Information:

One test sample was in good condition and received on 2023-12-04, and used for testing. All tests and evaluations were performed at the most consumptive white light setting.

Model Tested: NYXDM8RD/S9CCT5S/DUALDIM/WD/WBW
Manufacturer: GREEN CREATIVE LTD
Brand Name: GREEN CREATIVE
Product Designation: LED recessed downlight
Burning Time Before Test: 0hour(For New Products)

Rated Values:

Rated Voltage/Frequency: 120-277V AC 50/60Hz
Rated Power: 7.5/10/15/23W
Nominal CCT: 2700K/3000K/3500K/4000K/5000K
Nominal Lumen Output: 2185lm(2700K),2260lm(3000K),2300lm(3500K),2300lm(4000K),2300lm(5000K)

2. Standards Used

- ANSI/IES LM-79-19: Approved method: Optical and Electrical Measurements of Solid-State Lighting Products

3. Description of Test Equipment

Device	Manufacture	Model No	Serial No	Calibration date	Calibration due date
AC POWER SUPPLY	EVERFINE	VPS1030 PWM	1012017	2023-09-02	2024-09-01
Digital CC&CV DC Power Supply	EVERFINE	WY12010	1009009	2023-09-02	2024-09-01
Digital power meter	YOKOGAWA	WT-210	91j926132	2023-09-02	2024-09-01
full-field speed goniophotometer	EVERFINE	GO-R5000	YG108492N10120001	2023-09-02	2024-09-01
wireless remote thermohygrometer	N/A	AOK-5017B	N/A	2023-09-02	2024-09-01
Standard Light Source	EVERFINE	D908	N/A	2023-05-12	2025-05-11

Statement of Traceability: Bay Area Compliance Laboratories Corp. (Shenzhen) attested that all calibration has been performed using suitable standards traceable to National Primary Standards and International System of Units (SI).

4. Test Method

Product was tested with no seasoning. All stabilization and measurements were made in compliance with ANSI/IES LM-79-19. The product was operated at rated voltage or at voltage required by manufacturer. The ambient temperature of the sample was maintained at 25°C±1.2°C during measurement. And relative humidity is maintained between 10% and 65%.The air flow around the SSL product is less than 0.2m/s.

Goniophotometer System

The goniophotometer system is calibrated by standard light source before measurement.

Type C goniophotometer was used for measuring total luminous flux, luminous intensity distribution, and color spatial uniformity. The product was operated in its intended orientation in application and was recorded in this report. For luminous intensity distribution, The vertical angle (γ) test intervals were set no more than 2.5 degree, The horizontal angle (C plane) test intervals were set no more than 22.5 degree. For color spatial uniformity, The vertical angle (γ) test intervals were set no more than 90 degree, The horizontal angle (C plane) test intervals were set no more than 10 degree

The uncertainty of the luminous intensity is $U=2.00\%$ ($K=2$), at the 95% confidence level.

Additional Test

The Additional Test item may not be covered by ANSI/IES LM-79-2019. Additional test including power factor, off-state power and THD, was measured by Digital Power Meter after stabilized at $25^{\circ}\text{C}\pm 1.2^{\circ}\text{C}$. Test voltage for THD and power factor test would be equal to rated voltage or, in case of a voltage range, maximum value of that range.

The uncertainty of power meter AC current $U=0.19\%$ of rdg, AC Voltage $U=0.15\%$ of rdg, Power $U=0.46\%$ ($K=2$), at the 95% confidence level.

5. Test Result

[Goniophotometer System]

The photometric distance: **2.513m**

Total operating time for luminous intensity distribution: **1.5 hour**

Test orientation: **Downward**

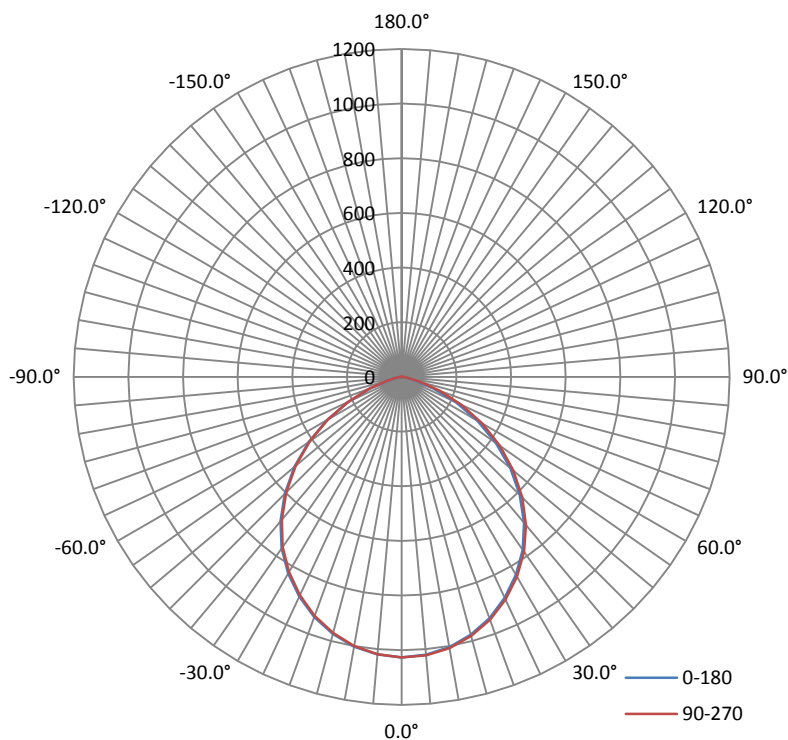
Electrical Measurement

Input Voltage (V)	Frequency (Hz)	Input Current (A)	Power (W)	Power Factor
120.06	60	0.1760	20.860	0.9872

Photometric Measurement

Luminous Flux (lm)	Efficacy (lm/W)	I_{max} (cd)	S/MH (C0/180)	S/MH (C90/270)
2411	115.58	1027	1.22	1.23

Luminous Intensity Distribution



	C0/180	C45/225	C90/270	C135/315	AVG.
Beam Angle (50% I_{max}):	100.2	100.6	100.6	100.5	100.5
Field Angle (10% I_{max}):	142.4	143.1	144.0	143.9	143.4

Luminous Intensity (cd) Distribution Data

C y	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°
0°	1026	1026	1026	1026	1026	1026	1026	1026
1°	1026	1027	1025	1027	1025	1024	1025	1025
2°	1024	1027	1025	1025	1024	1024	1024	1025
3°	1022	1024	1023	1023	1023	1023	1023	1023
4°	1021	1022	1021	1021	1021	1021	1021	1021
5°	1019	1020	1019	1019	1019	1019	1019	1021
6°	1016	1016	1017	1016	1017	1015	1015	1018
7°	1014	1014	1013	1012	1012	1012	1013	1014
8°	1011	1010	1009	1008	1008	1009	1009	1010
9°	1007	1006	1005	1004	1005	1005	1005	1005
10°	1002	1002	1001	999	1000	1000	1000	1002
11°	997	997	995	996	994	994	994	995
12°	992	991	990	990	988	989	990	991
13°	985	986	985	983	983	983	985	985
14°	980	980	978	977	977	977	978	978
15°	973	973	971	970	970	970	971	972
16°	967	964	964	963	963	962	964	966
17°	959	957	957	956	955	955	956	958
18°	951	950	949	948	947	947	948	950
19°	943	942	941	940	939	939	940	942
20°	935	934	932	931	931	931	931	933
21°	926	925	923	923	921	920	922	923
22°	917	915	914	913	912	912	913	914
23°	907	906	905	903	903	903	903	905
24°	897	896	894	893	892	892	893	893
25°	887	886	884	883	881	882	883	885
26°	876	874	872	871	872	870	871	873
27°	865	864	861	860	860	860	860	862
28°	854	853	850	849	848	848	849	851
29°	843	841	839	837	836	836	837	839
30°	831	829	827	825	824	824	825	827
31°	818	816	815	813	811	812	812	814
32°	805	804	803	801	799	800	800	802
33°	792	791	789	788	787	786	788	789
34°	780	778	775	774	773	774	774	776
35°	766	764	761	760	759	759	760	763
36°	751	749	747	746	745	744	746	747
37°	736	735	731	731	730	729	730	732
38°	721	719	716	715	713	714	714	717
39°	706	703	701	700	699	698	699	700
40°	690	687	685	684	682	681	682	685
41°	673	670	669	667	666	665	665	668
42°	657	653	652	650	649	648	649	651
43°	639	637	635	633	632	631	632	633
44°	622	620	617	616	615	614	615	616
45°	604	602	600	598	597	597	597	598
46°	587	584	582	580	579	579	580	580
47°	568	566	563	563	561	560	561	562
48°	550	547	546	544	543	542	543	544

Luminous Intensity (cd) Distribution Data

$\begin{matrix} \text{C} \\ \backslash \\ \text{Y} \end{matrix}$	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°
49°	532	529	527	525	524	523	524	525
50°	513	510	508	507	506	505	505	506
51°	493	491	490	488	487	485	486	487
52°	474	472	471	469	467	466	467	467
53°	454	453	452	450	449	448	448	448
54°	435	433	432	431	429	428	428	428
55°	415	414	413	412	410	409	409	409
56°	395	394	394	392	391	390	389	389
57°	375	374	373	372	370	369	369	368
58°	355	354	354	352	351	350	350	348
59°	335	334	334	333	332	330	330	328
60°	315	315	314	313	312	311	310	308
61°	295	295	294	293	293	291	291	288
62°	274	275	274	272	273	272	271	267
63°	254	255	253	252	253	253	252	248
64°	234	235	234	232	234	234	232	228
65°	215	216	214	213	215	214	213	209
66°	195	196	195	193	196	196	194	190
67°	176	177	175	174	177	177	176	171
68°	158	158	157	156	159	159	158	152
69°	139	141	139	138	142	142	140	135
70°	122	123	121	121	125	125	123	117
71°	105	107	105	105	108	109	107	101
72°	89	91	90	89	93	93	92	86
73°	75	77	76	76	79	79	78	72
74°	63	64	64	63	66	67	65	60
75°	54	55	54	54	57	57	56	51
76°	45	45	45	45	47	47	46	43
77°	36	36	36	36	37	38	37	34
78°	30	30	30	30	31	32	31	29
79°	26	25	25	26	26	26	26	24
80°	23	22	22	22	22	23	22	21
81°	20	19	19	19	20	20	19	19
82°	17	16	16	17	17	17	16	16
83°	14	13	13	14	14	15	14	13
84°	11	10	10	11	12	12	11	10
85°	8	7	8	9	9	9	8	7
86°	6	5	5	6	7	7	5	4
87°	3	3	3	3	4	3	3	1
88°	1	1	1	0	0	0	0	0
89°	0	0	0	0	0	0	0	0
90°	0	0	0	0	0	0	0	0
91°	0	0	0	0	0	0	0	0
92°	0	0	0	0	0	0	0	0
93°	0	0	0	0	0	0	0	0
94°	0	0	0	0	0	0	0	0
95°	0	0	0	0	0	0	0	0
96°	0	0	0	0	0	0	0	0
97°	0	0	0	0	0	0	0	0

Luminous Intensity (cd) Distribution Data

C γ	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°
98°	0	0	0	0	0	0	0	0
99°	0	0	0	0	0	0	0	0
100°	0	0	0	0	0	0	0	0
101°	0	0	0	0	0	0	0	0
102°	0	0	0	0	0	0	0	0
103°	0	0	0	0	0	0	0	0
104°	0	0	0	0	0	0	0	0
105°	0	0	0	0	0	0	0	0
106°	0	0	0	0	0	0	0	0
107°	0	0	0	0	0	0	0	0
108°	0	0	0	0	0	0	0	0
109°	0	0	0	0	0	0	0	0
110°	0	0	0	0	0	0	0	0
111°	0	0	0	0	0	0	0	0
112°	0	0	0	0	0	0	0	0
113°	0	0	0	0	0	0	0	0
114°	0	0	0	0	0	0	0	0
115°	0	0	0	0	0	0	0	0
116°	0	0	0	0	0	0	0	0
117°	0	0	0	0	0	0	0	0
118°	0	0	0	0	0	0	0	0
119°	0	0	0	0	0	0	0	0
120°	0	0	0	0	0	0	0	0
121°	0	0	0	0	0	0	0	0
122°	0	0	0	0	0	0	0	0
123°	0	0	0	0	0	0	0	0
124°	0	0	0	0	0	0	0	0
125°	0	0	0	0	0	0	0	0
126°	0	0	0	0	0	0	0	0
127°	0	0	0	0	1	1	1	1
128°	1	1	1	1	1	1	1	1
129°	1	1	1	1	1	1	1	1
130°	1	1	1	1	1	1	1	1
131°	1	1	1	1	1	1	1	1
132°	1	1	1	1	1	1	1	1
133°	1	1	1	1	1	1	1	1
134°	1	1	1	1	1	1	1	1
135°	1	1	1	1	1	1	1	1
136°	1	1	1	1	1	1	1	1
137°	1	1	1	1	1	1	1	1
138°	1	1	1	1	1	1	1	1
139°	1	1	1	1	1	1	1	1
140°	1	1	1	1	1	1	1	1
141°	1	1	1	1	1	1	1	1
142°	1	1	1	1	1	1	1	1
143°	1	1	1	1	1	1	1	1
144°	1	1	1	1	1	1	1	1
145°	1	1	1	1	1	1	1	1
146°	1	1	1	1	1	1	1	1

Luminous Intensity (cd) Distribution Data

C γ	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°
147°	1	1	1	1	1	1	1	1
148°	1	1	1	1	1	1	1	1
149°	1	1	1	1	1	1	1	1
150°	1	1	1	1	1	2	1	1
151°	1	1	2	2	2	2	2	1
152°	1	1	2	2	2	2	2	1
153°	1	2	2	2	2	2	2	1
154°	2	2	2	2	2	2	2	2
155°	2	2	2	2	2	2	2	2
156°	2	2	2	2	2	2	2	2
157°	2	2	2	2	2	2	2	2
158°	2	2	2	2	2	2	2	2
159°	2	2	2	2	2	2	2	2
160°	2	2	2	2	2	2	2	2
161°	2	2	2	2	2	2	2	2
162°	2	2	2	2	2	2	2	2
163°	2	2	2	2	2	2	2	2
164°	2	2	2	2	2	2	2	2
165°	2	2	2	2	2	2	2	2
166°	2	2	2	2	2	2	2	2
167°	2	2	2	2	2	2	2	2
168°	2	2	2	2	2	2	2	2
169°	2	2	2	2	2	2	2	2
170°	2	2	2	2	2	2	2	2
171°	2	2	2	2	2	2	2	2
172°	2	2	2	2	2	2	2	2
173°	2	2	2	2	1	2	2	2
174°	2	2	2	1	1	2	2	2
175°	2	2	2	1	1	1	2	2
176°	2	1	1	1	1	1	1	1
177°	1	1	1	1	1	1	1	1
178°	1	1	1	1	1	1	1	1
179°	1	1	1	1	1	1	1	1
180°	1	1	1	1	1	1	1	1

Luminous Intensity (cd) Distribution Data (cont.)

$\begin{array}{c} \text{C} \\ \swarrow \\ \gamma \end{array}$	180°	202.5°	225°	247.5°	270°	292.5°	315°	337.5°
0°	1026	1026	1026	1026	1026	1026	1026	1026
1°	1026	1026	1027	1026	1027	1026	1026	1027
2°	1025	1025	1026	1026	1026	1026	1026	1026
3°	1024	1024	1025	1025	1025	1025	1025	1025
4°	1023	1023	1025	1025	1023	1025	1023	1024
5°	1020	1023	1023	1022	1023	1023	1022	1022
6°	1018	1020	1020	1021	1021	1021	1020	1020
7°	1014	1017	1018	1019	1018	1017	1017	1017
8°	1012	1014	1014	1015	1014	1015	1013	1013
9°	1009	1011	1011	1012	1011	1009	1010	1009
10°	1004	1006	1007	1007	1008	1007	1007	1006
11°	1000	1002	1003	1002	1003	1003	1002	1001
12°	995	996	998	998	998	998	997	997
13°	989	989	992	991	992	992	992	991
14°	984	984	987	987	987	987	985	986
15°	976	979	980	981	982	981	980	979
16°	969	973	974	975	975	975	973	972
17°	961	965	967	968	968	968	967	966
18°	954	958	959	960	960	960	959	958
19°	948	951	952	952	953	950	951	950
20°	940	942	943	944	945	945	943	942
21°	931	933	935	935	936	936	934	933
22°	922	924	926	927	926	927	926	925
23°	912	914	916	917	918	917	916	915
24°	902	905	906	909	908	908	907	906
25°	892	895	897	898	899	899	897	896
26°	882	885	886	888	888	889	887	884
27°	870	874	876	878	877	878	876	874
28°	858	863	864	866	866	867	865	863
29°	848	851	854	854	855	853	853	852
30°	836	839	842	843	844	843	841	841
31°	824	827	829	831	831	831	829	828
32°	811	815	816	819	819	819	817	815
33°	799	801	804	806	806	808	805	803
34°	786	790	790	794	793	794	792	790
35°	772	776	779	780	781	781	780	776
36°	757	762	765	767	767	767	765	762
37°	743	747	750	752	753	753	751	748
38°	727	732	735	737	738	738	736	733
39°	713	716	721	721	722	722	720	718
40°	696	701	704	706	707	707	704	703
41°	680	684	688	690	691	690	688	686
42°	663	667	671	674	674	673	672	670
43°	646	650	655	658	658	658	655	653
44°	627	634	636	640	641	640	638	635
45°	611	616	620	623	624	623	622	618
46°	593	598	603	605	606	606	604	600
47°	574	580	585	588	588	587	586	583
48°	556	561	567	570	570	569	568	565

Luminous Intensity (cd) Distribution Data (cont.)

$\begin{matrix} \text{C} \\ \backslash \\ \text{Y} \end{matrix}$	180°	202.5°	225°	247.5°	270°	292.5°	315°	337.5°
49°	537	542	549	551	551	551	549	546
50°	518	524	530	533	533	533	530	528
51°	499	505	511	514	514	514	512	508
52°	480	486	492	495	496	495	493	490
53°	460	467	473	476	476	476	474	471
54°	439	447	453	457	458	457	455	451
55°	420	427	434	437	439	438	436	431
56°	400	407	415	418	419	419	417	412
57°	380	387	395	398	399	399	397	392
58°	360	368	376	379	380	379	378	372
59°	339	347	355	359	360	360	358	352
60°	319	327	335	338	340	340	338	332
61°	298	307	314	318	320	320	318	312
62°	278	286	294	297	301	301	299	292
63°	258	267	273	277	281	281	279	272
64°	238	246	253	257	261	262	260	253
65°	218	226	232	236	242	243	240	233
66°	198	207	213	217	223	224	221	214
67°	179	187	193	197	203	205	202	194
68°	160	168	174	178	184	186	184	175
69°	142	150	155	159	166	168	165	157
70°	123	132	136	141	148	150	148	139
71°	107	114	118	122	131	132	130	121
72°	91	98	102	106	113	115	113	105
73°	77	83	87	91	97	99	97	89
74°	64	69	73	77	83	84	82	75
75°	53	57	61	64	70	71	69	63
76°	44	47	50	53	58	59	57	52
77°	37	39	41	44	48	49	47	43
78°	30	32	34	37	40	41	39	36
79°	26	27	29	31	33	34	33	30
80°	23	23	24	26	27	28	27	25
81°	20	20	21	22	23	24	23	22
82°	17	17	18	19	20	21	20	19
83°	14	14	15	16	17	18	17	16
84°	11	11	12	12	14	16	15	13
85°	8	8	9	9	11	13	12	11
86°	6	6	6	6	8	10	9	8
87°	3	3	4	4	6	7	6	5
88°	1	1	1	2	3	4	3	2
89°	0	0	0	0	0	0	1	1
90°	0	0	0	0	0	0	0	0
91°	0	0	0	0	0	0	0	0
92°	0	0	0	0	0	0	0	0
93°	0	0	0	0	0	0	0	0
94°	0	0	0	0	0	0	0	0
95°	0	0	0	0	0	0	0	0
96°	0	0	0	0	0	0	0	0
97°	0	0	0	0	0	0	0	0

Luminous Intensity (cd) Distribution Data (cont.)

C y	180°	202.5°	225°	247.5°	270°	292.5°	315°	337.5°
98°	0	0	0	0	0	0	0	0
99°	0	0	0	0	0	0	0	0
100°	0	0	0	0	0	0	0	0
101°	0	0	0	0	0	0	0	0
102°	0	0	0	0	0	0	0	0
103°	0	0	0	0	0	0	0	0
104°	0	0	0	0	0	0	0	0
105°	0	0	0	0	0	0	0	0
106°	0	0	0	0	0	0	0	0
107°	0	0	0	0	0	0	0	0
108°	0	0	0	0	0	0	0	0
109°	0	0	0	0	0	0	0	0
110°	0	0	0	0	0	0	0	0
111°	0	0	0	0	0	0	0	0
112°	0	0	0	0	0	0	0	0
113°	0	0	0	0	0	0	0	0
114°	0	0	0	0	0	0	0	0
115°	0	0	0	0	0	0	0	0
116°	0	0	0	0	0	0	0	0
117°	0	0	0	0	0	0	0	0
118°	0	0	0	0	0	0	0	0
119°	0	0	0	0	0	0	0	0
120°	0	0	0	0	0	0	0	0
121°	0	0	0	0	0	0	0	0
122°	0	0	0	0	0	0	0	0
123°	0	0	0	0	0	0	0	0
124°	0	0	0	0	0	0	0	0
125°	0	0	0	0	0	0	0	0
126°	0	0	0	0	0	0	0	0
127°	0	0	0	0	0	0	0	0
128°	0	0	0	0	0	0	0	0
129°	0	0	0	0	0	0	0	0
130°	0	0	0	0	0	0	0	0
131°	0	0	0	0	0	0	0	0
132°	0	0	0	0	0	0	0	0
133°	0	0	0	0	0	0	0	0
134°	0	0	0	0	0	0	0	0
135°	0	0	0	0	0	0	0	0
136°	0	0	0	0	0	0	0	0
137°	0	0	0	0	0	0	0	0
138°	0	0	0	0	0	0	0	0
139°	0	0	0	0	0	0	0	0
140°	0	0	0	0	0	0	0	0
141°	0	0	0	0	0	0	0	0
142°	0	0	0	0	0	0	0	1
143°	0	0	0	1	0	0	1	1
144°	0	0	1	1	1	1	1	1
145°	1	0	1	1	1	1	1	1
146°	1	1	1	1	1	1	1	1

Luminous Intensity (cd) Distribution Data (cont.)

$\begin{matrix} C \\ \backslash \\ \gamma \end{matrix}$	180°	202.5°	225°	247.5°	270°	292.5°	315°	337.5°
147°	1	1	1	1	1	1	1	1
148°	1	1	1	1	1	1	1	1
149°	1	1	1	1	1	1	1	1
150°	1	1	1	1	1	1	1	1
151°	1	1	1	1	1	1	1	1
152°	1	1	1	1	1	1	1	1
153°	1	1	1	1	1	1	1	1
154°	1	1	1	1	1	1	1	1
155°	1	1	1	1	1	1	1	1
156°	1	1	1	1	1	1	1	1
157°	1	1	1	1	1	1	1	1
158°	1	1	1	1	1	1	1	1
159°	1	1	1	1	1	1	1	1
160°	1	1	1	1	1	1	1	1
161°	1	1	1	1	1	1	1	1
162°	1	1	1	1	1	1	1	1
163°	1	1	1	1	1	1	1	1
164°	1	1	1	1	1	1	1	1
165°	1	1	1	1	1	1	1	1
166°	1	1	1	1	1	1	1	1
167°	1	1	1	1	1	1	1	1
168°	1	1	1	1	1	1	1	1
169°	1	1	1	1	1	1	1	1
170°	1	1	1	1	1	1	1	1
171°	1	1	1	1	1	1	1	1
172°	1	1	1	1	1	1	1	1
173°	1	1	1	1	1	1	1	1
174°	1	1	1	1	1	1	1	1
175°	1	1	1	1	1	1	1	1
176°	1	1	1	1	1	1	1	1
177°	1	1	1	1	1	1	1	1
178°	1	1	1	1	1	1	1	1
179°	1	1	1	1	1	1	1	1
180°	1	1	1	1	1	1	1	1

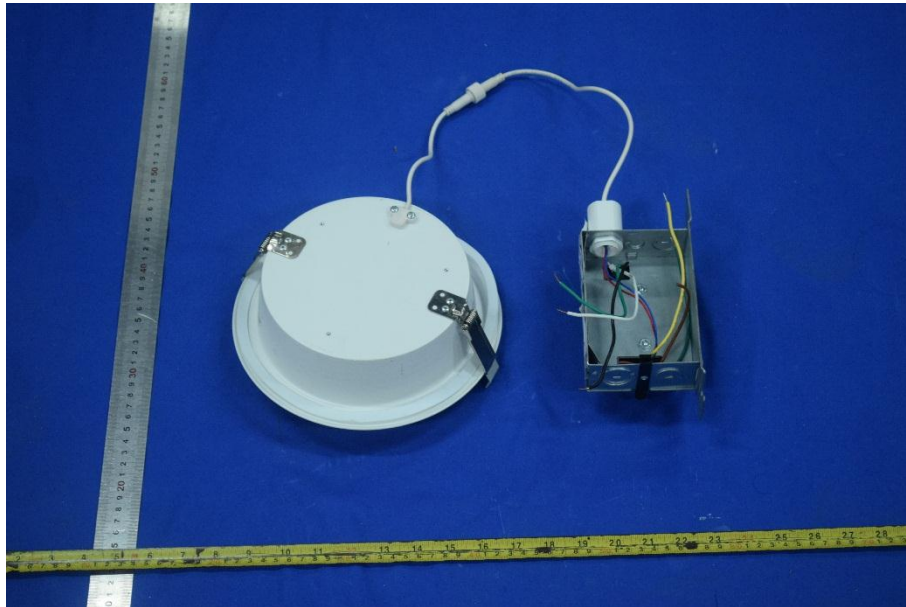
Zonal Lumen Density Measurement

Deg	Flux (lm)	%
0-5	24.5	1.01
5-10	72.4	3.01
10-15	117.4	4.87
15-20	157.6	6.53
20-25	191.6	7.95
25-30	218.1	9.05
30-35	236.1	9.79
35-40	244.2	10.13
40-45	241.3	10.01
45-50	227.7	9.45
50-55	204.3	8.47
55-60	172.0	7.13
60-65	132.6	5.50
65-70	89.2	3.70
70-75	48.0	1.99
75-80	20.4	0.85
80-85	8.9	0.37
85-90	1.8	0.08
90-95	0.0	0.00
95-100	0.1	0.00
100-105	0.1	0.00
105-110	0.1	0.01
110-115	0.1	0.00
115-120	0.1	0.00
120-125	0.1	0.01
125-130	0.2	0.01
130-135	0.2	0.01
135-140	0.2	0.00
140-145	0.3	0.02
145-150	0.3	0.01
150-155	0.3	0.01
155-160	0.3	0.01
160-165	0.2	0.01
165-170	0.2	0.00
170-175	0.1	0.01
175-180	0.0	0.00

Deg	Flux (lm)	%
0-5	24.5	1.01
0-10	96.9	4.02
0-15	214.3	8.89
0-20	371.9	15.42
0-25	563.5	23.37
0-30	781.6	32.42
0-35	1017.7	42.21
0-40	1262.0	52.34
0-45	1503.3	62.35
0-50	1731.0	71.80
0-55	1935.3	80.27
0-60	2107.3	87.40
0-65	2239.9	92.90
0-70	2329.1	96.60
0-75	2377.1	98.59
0-80	2397.6	99.44
0-85	2406.4	99.81
0-90	2408.2	99.89
0-95	2408.3	99.89
0-100	2408.3	99.89
0-105	2408.4	99.89
0-110	2408.5	99.90
0-115	2408.6	99.90
0-120	2408.7	99.90
0-125	2408.8	99.91
0-130	2409.0	99.92
0-135	2409.2	99.93
0-140	2409.4	99.93
0-145	2409.7	99.95
0-150	2410.0	99.96
0-155	2410.3	99.97
0-160	2410.5	99.98
0-165	2410.7	99.99
0-170	2410.9	99.99
0-175	2411.0	100.00
0-180	2411.0	100.00

Test Item	Test Voltage (V)	Frequency (Hz)	Test Result
Total Harmonic Distortion:	120	60	11.81%

6. Product Photo



Directions

1. The information marked "superscript #" is provided by the applicant, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report.
2. This report includes some test methods are not in NVLAP accreditation scope marked *.
3. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
4. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.
5. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor $K=2$ with the 95% confidence interval.
6. This report cannot be reproduced except in full, without prior written approval of the Company.
7. This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.

*****END OF REPORT*****