

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:
NYXDM6RD/M9CCT5S/DUALDIM/WD/WBW

Report Type:	Electrical and Photometric tests including: Luminous Flux, Luminous Intensity Distribution
Reviewed By:	Hexy He <i>Hexy He</i>
Report Number:	KS2230703-38016E-EE-9
Test Date:	2023-07-11
Report Date:	2023-08-29
Approved by:	Blake Zhang / EE Engineer
Prepared By:	Bay Area Compliance Laboratories Corp. (Shenzhen) 5/F(B-West) -7/F, the 3rd Phase of Wan Li Industrial Building D, Shihua Road, Futian Free Trade Zone Shenzhen, Guangdong, China. Tel: +86-755-33320018 Fax: +86-755-33320008
Test Facility:	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.

1. Product Description[#]

General Information:

One test sample was in good condition and received on 2023-07-03, and used for testing.

Model Tested: NYXDM6RD/M9CCT5S/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, 50/60Hz
Rated Power: 25W/30W/40W
Nominal CCT: 2700K/3000K/3500K/4000K/5000K
Nominal Lumen Output: 3800lm/3850lm/4000lm/4000lm/4000lm

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	2022-11-16	2023-11-15
Digital CC&CV DC Power Supply	EVERFINE	WY12010	1009009	2022-11-10	2023-11-09
Digital power meter	YOKOGAWA	WT-210	91j926132	2022-11-10	2023-11-09
full-field speed goniophotometer	EVERFINE	GO-R5000	YG108492N10120001	2022-11-10	2023-11-09
wireless remote thermohygrometer	N/A	AOK-5017B	N/A	2022-11-10	2023-11-09
Standard Light Source	EVERFINE	D908	1012003	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 $25^{\circ}\text{C} \pm 1.2^{\circ}\text{C}$ 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.

5. Test Result

[Goniophotometer System]

The Stabilization time: **30 minutes**

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

Test orientation: **Downward**

Test CCT: 2700K

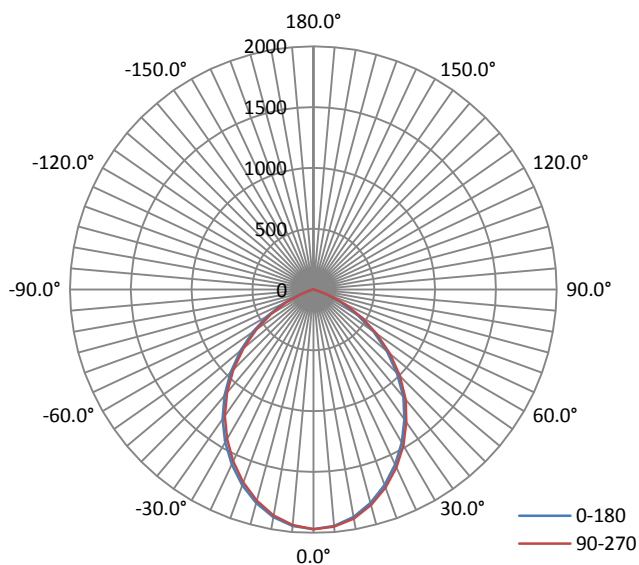
Electrical Measurement

Input Voltage (V)	Frequency (Hz)	Input Current (A)	Power (W)	Power Factor
120.02	60	0.3163	37.440	0.9862

Photometric Measurement

Luminous Flux (lm)	Efficacy (lm/W)	I_{max} (cd)	S/MH (C0/180)	S/MH (C90/270)
3844.49	102.68	1970	1.12	1.13

Luminous Intensity Distribution



	C0/180	C45/225	C90/270	C135/315	AVG.
Beam Angle (50% I_{max}):	89.1	89.0	89.0	89.1	89.1
Field Angle (10% I_{max}):	134.3	134.7	134.5	134.6	134.5

Luminous Intensity (cd) Distribution Data

C γ	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°
0°	1969	1969	1969	1969	1969	1969	1969	1969
1°	1969	1968	1966	1967	1966	1968	1966	1968
2°	1966	1965	1964	1963	1964	1964	1964	1966
3°	1963	1961	1959	1958	1958	1958	1961	1964
4°	1958	1956	1953	1953	1951	1953	1954	1957
5°	1951	1947	1945	1944	1943	1945	1948	1952
6°	1943	1939	1936	1934	1933	1938	1938	1943
7°	1933	1930	1925	1923	1923	1926	1929	1933
8°	1923	1917	1914	1912	1912	1914	1917	1923
9°	1911	1904	1901	1898	1899	1901	1905	1911
10°	1898	1892	1887	1884	1884	1888	1891	1899
11°	1882	1875	1871	1868	1869	1873	1877	1884
12°	1868	1860	1854	1851	1852	1856	1861	1868
13°	1851	1842	1837	1833	1834	1839	1844	1852
14°	1833	1824	1818	1814	1815	1820	1827	1833
15°	1815	1805	1799	1796	1797	1800	1808	1816
16°	1796	1786	1777	1776	1776	1782	1788	1797
17°	1775	1764	1757	1754	1755	1760	1768	1778
18°	1753	1743	1735	1731	1732	1737	1746	1757
19°	1733	1721	1712	1709	1708	1716	1724	1734
20°	1710	1698	1689	1686	1685	1692	1701	1711
21°	1686	1674	1665	1661	1662	1669	1677	1688
22°	1662	1650	1640	1636	1637	1644	1653	1666
23°	1637	1625	1614	1612	1611	1619	1628	1638
24°	1613	1600	1590	1585	1586	1593	1604	1615
25°	1587	1573	1562	1558	1559	1567	1576	1589
26°	1560	1547	1537	1533	1532	1540	1550	1564
27°	1534	1519	1510	1505	1505	1512	1523	1537
28°	1505	1491	1481	1477	1476	1484	1496	1509
29°	1478	1464	1453	1448	1448	1457	1468	1482
30°	1450	1435	1423	1419	1418	1427	1438	1452
31°	1421	1406	1395	1390	1390	1398	1409	1423
32°	1392	1377	1365	1359	1361	1368	1379	1395
33°	1362	1347	1335	1330	1331	1338	1350	1365
34°	1330	1316	1305	1298	1298	1306	1318	1334
35°	1300	1284	1273	1267	1268	1275	1287	1303
36°	1268	1253	1241	1236	1236	1243	1255	1272
37°	1237	1221	1209	1203	1203	1211	1223	1240
38°	1204	1188	1177	1170	1171	1178	1190	1207
39°	1170	1155	1142	1137	1137	1143	1156	1173
40°	1137	1121	1109	1102	1103	1110	1122	1139
41°	1102	1087	1074	1068	1067	1075	1088	1106
42°	1068	1052	1040	1032	1033	1041	1054	1071
43°	1033	1017	1004	998	998	1006	1018	1036
44°	997	981	969	962	963	969	983	1000
45°	962	946	934	926	927	935	948	965
46°	926	910	898	891	890	899	912	930
47°	891	875	862	855	855	863	877	894
48°	854	839	826	819	818	827	841	857

Luminous Intensity (cd) Distribution Data

$\begin{matrix} \text{C} \\ \backslash \\ \gamma \end{matrix}$	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°
49°	818	802	789	782	782	791	804	821
50°	783	767	754	747	746	755	768	784
51°	746	731	717	711	711	719	732	748
52°	711	696	682	675	675	683	696	712
53°	676	660	647	639	639	647	661	676
54°	640	625	621	605	605	623	624	639
55°	607	591	583	572	571	584	590	604
56°	573	557	545	538	536	544	556	569
57°	539	524	510	503	502	509	522	534
58°	505	490	476	468	468	474	486	498
59°	471	456	442	435	434	440	452	463
60°	437	422	408	401	400	406	416	428
61°	403	389	376	368	367	372	383	393
62°	369	356	343	336	335	339	349	359
63°	336	324	311	304	303	307	316	326
64°	303	293	281	274	272	276	284	293
65°	272	262	251	244	243	246	253	261
66°	240	232	222	215	214	216	223	230
67°	210	203	195	188	186	188	195	200
68°	181	175	169	162	160	161	168	172
69°	154	149	144	138	135	136	142	145
70°	128	125	121	115	112	113	118	119
71°	104	102	100	95	91	92	97	97
72°	83	81	81	76	73	74	77	76
73°	64	63	64	60	59	60	60	60
74°	50	50	51	46	45	45	46	45
75°	36	36	38	33	31	31	32	29
76°	22	23	25	23	21	21	22	19
77°	13	14	16	14	13	13	13	11
78°	6	12	10	8	8	8	8	6
79°	5	9	7	7	4	6	5	5
80°	5	6	5	5	4	5	4	4
81°	4	4	3	3	3	3	3	3
82°	4	3	3	3	3	3	3	3
83°	3	3	3	3	3	3	2	3
84°	3	2	2	2	2	2	2	2
85°	2	2	2	2	2	2	2	2
86°	2	2	1	2	1	1	1	1
87°	2	1	1	1	1	1	1	1
88°	1	1	1	1	1	1	1	1
89°	1	1	1	1	0	0	0	1
90°	1	1	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	1	0	0	0	0
97°	0	0	0	1	1	1	0	0

Luminous Intensity (cd) Distribution Data

C γ	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°
98°	0	0	1	1	1	1	1	1
99°	0	1	1	1	1	1	1	1
100°	1	1	1	1	1	1	1	1
101°	1	1	1	1	1	1	1	1
102°	1	1	1	1	1	1	1	1
103°	1	1	1	1	1	1	1	1
104°	1	1	1	1	1	1	1	1
105°	1	1	1	1	1	1	1	1
106°	1	1	1	1	1	1	1	1
107°	1	1	1	1	1	1	1	1
108°	1	1	1	1	1	1	1	1
109°	1	1	1	1	1	1	1	1
110°	1	1	1	1	1	1	1	1
111°	1	1	1	1	1	1	1	1
112°	1	1	1	1	1	1	1	1
113°	1	1	1	1	1	1	1	1
114°	1	1	1	1	1	1	1	1
115°	1	1	1	1	1	1	1	1
116°	1	1	1	1	1	1	1	1
117°	1	1	1	1	1	1	1	1
118°	1	1	1	1	1	1	1	1
119°	1	1	1	1	1	1	1	1
120°	1	1	1	1	1	1	1	1
121°	1	1	1	1	1	1	1	1
122°	1	1	1	1	1	1	1	1
123°	1	1	1	1	1	1	1	1
124°	1	1	1	1	1	1	1	1
125°	1	1	1	1	1	1	1	1
126°	1	1	1	1	1	1	1	1
127°	1	1	1	1	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	2	2	2	2	2	1
138°	1	2	2	2	2	2	2	2
139°	2	2	2	2	2	2	2	2
140°	2	2	2	2	2	2	2	2
141°	2	2	2	2	2	2	2	2
142°	2	2	2	2	2	2	2	2
143°	2	2	2	2	2	2	2	2
144°	2	2	2	2	2	2	2	2
145°	2	2	2	2	2	2	2	2
146°	2	2	2	3	2	2	2	2

Luminous Intensity (cd) Distribution Data

C γ	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°
147°	2	2	2	3	3	3	2	2
148°	2	2	3	3	3	3	3	2
149°	2	3	3	3	3	3	3	2
150°	2	3	3	3	3	3	3	2
151°	2	3	3	3	3	3	3	3
152°	3	3	3	3	3	3	3	3
153°	3	3	3	3	3	3	3	3
154°	3	3	3	3	3	3	3	3
155°	3	3	3	3	3	3	3	3
156°	3	3	3	3	3	3	3	3
157°	3	3	3	3	3	3	3	3
158°	3	3	3	3	3	3	3	3
159°	3	3	3	3	3	3	3	3
160°	3	3	3	3	3	3	3	3
161°	3	3	3	3	3	3	3	3
162°	3	3	3	3	3	3	3	3
163°	3	3	3	3	3	3	3	3
164°	3	3	3	3	3	3	3	3
165°	3	3	3	3	3	3	3	3
166°	3	3	3	3	3	3	3	3
167°	3	3	3	3	3	3	3	3
168°	3	3	3	3	3	3	3	3
169°	3	3	3	3	3	3	3	3
170°	3	3	3	3	3	3	3	3
171°	3	3	3	3	3	3	3	3
172°	3	3	3	3	3	3	3	3
173°	3	3	3	3	3	3	3	3
174°	3	3	3	3	3	3	3	3
175°	3	3	3	3	3	3	3	3
176°	3	3	3	3	3	3	3	3
177°	3	3	3	3	3	3	3	3
178°	3	3	3	3	3	3	3	3
179°	3	3	3	2	2	2	3	3
180°	3	2	2	2	2	2	2	3

Luminous Intensity (cd) Distribution Data (cont.)

$\begin{matrix} \text{C} \\ \diagdown \\ \gamma \end{matrix}$	180°	202.5°	225°	247.5°	270°	292.5°	315°	337.5°
0°	1969	1969	1969	1969	1969	1969	1969	1969
1°	1968	1969	1969	1970	1969	1969	1969	1969
2°	1965	1968	1968	1968	1969	1968	1967	1966
3°	1962	1964	1966	1967	1967	1964	1964	1963
4°	1957	1960	1961	1963	1963	1962	1960	1958
5°	1950	1953	1956	1957	1957	1958	1954	1951
6°	1942	1946	1949	1951	1950	1949	1948	1944
7°	1932	1937	1941	1943	1942	1941	1940	1935
8°	1921	1926	1931	1933	1935	1932	1929	1923
9°	1910	1914	1922	1922	1924	1921	1917	1911
10°	1898	1903	1908	1910	1911	1910	1904	1898
11°	1883	1890	1893	1898	1897	1896	1890	1884
12°	1867	1874	1880	1884	1883	1881	1876	1868
13°	1851	1858	1864	1868	1868	1866	1860	1853
14°	1833	1841	1848	1851	1852	1850	1843	1834
15°	1816	1822	1830	1835	1834	1831	1825	1816
16°	1796	1804	1810	1815	1815	1813	1806	1796
17°	1775	1785	1791	1797	1796	1794	1787	1777
18°	1754	1764	1772	1776	1776	1773	1765	1756
19°	1733	1742	1751	1755	1755	1752	1744	1733
20°	1710	1720	1728	1733	1733	1729	1722	1711
21°	1687	1697	1706	1711	1711	1706	1698	1688
22°	1664	1675	1682	1688	1687	1684	1675	1663
23°	1638	1650	1658	1663	1663	1660	1651	1639
24°	1614	1626	1634	1639	1639	1635	1626	1614
25°	1588	1599	1608	1614	1613	1610	1600	1588
26°	1562	1574	1583	1587	1586	1584	1575	1563
27°	1536	1548	1556	1562	1561	1557	1548	1535
28°	1507	1521	1529	1535	1533	1530	1520	1507
29°	1480	1493	1501	1507	1507	1503	1493	1479
30°	1452	1464	1473	1479	1478	1474	1464	1451
31°	1423	1435	1446	1451	1449	1445	1435	1423
32°	1394	1406	1416	1421	1421	1416	1406	1393
33°	1363	1377	1386	1392	1392	1385	1377	1363
34°	1334	1348	1356	1361	1361	1357	1347	1333
35°	1305	1317	1326	1331	1331	1327	1316	1303
36°	1276	1289	1296	1301	1301	1297	1288	1274
37°	1247	1260	1267	1273	1272	1270	1260	1246
38°	1218	1232	1238	1244	1243	1243	1232	1217
39°	1185	1199	1209	1215	1215	1209	1199	1183
40°	1150	1166	1176	1181	1181	1175	1165	1150
41°	1116	1131	1141	1147	1147	1141	1131	1115
42°	1081	1096	1107	1112	1112	1106	1096	1081
43°	1046	1062	1072	1078	1077	1072	1061	1045
44°	1010	1025	1036	1042	1042	1036	1025	1009
45°	974	990	1001	1006	1006	1000	989	973
46°	939	954	964	970	970	964	954	937
47°	902	918	929	933	933	928	917	900
48°	866	881	893	898	897	891	881	864

Luminous Intensity (cd) Distribution Data (cont.)

$\begin{matrix} \text{C} \\ \backslash \\ \gamma \end{matrix}$	180°	202.5°	225°	247.5°	270°	292.5°	315°	337.5°
49°	828	845	856	861	860	854	844	828
50°	792	808	819	824	823	817	807	791
51°	755	771	783	787	786	780	770	755
52°	718	734	746	750	748	743	733	718
53°	680	698	709	714	712	706	697	682
54°	643	660	672	677	675	669	660	646
55°	606	624	636	640	638	633	624	610
56°	570	587	599	603	602	596	587	574
57°	533	550	563	566	565	559	551	539
58°	496	513	527	530	529	523	515	504
59°	461	477	491	494	493	488	479	469
60°	425	442	455	459	457	452	444	435
61°	390	406	420	423	422	417	409	402
62°	355	372	385	389	388	382	376	368
63°	321	337	350	354	353	348	342	335
64°	287	304	317	320	320	315	309	302
65°	255	271	284	288	287	283	278	271
66°	223	239	252	256	256	252	247	239
67°	193	208	221	225	225	222	217	210
68°	165	178	192	195	196	193	189	181
69°	138	152	166	169	169	167	164	155
70°	110	126	139	142	142	141	138	130
71°	88	100	113	115	115	115	113	104
72°	67	78	91	93	93	93	92	83
73°	50	59	71	73	73	74	73	64
74°	35	43	54	56	56	57	56	48
75°	25	30	39	41	41	42	42	35
76°	16	21	27	28	29	30	30	27
77°	6	13	19	20	21	22	22	20
78°	5	5	12	13	13	14	14	12
79°	4	4	4	5	5	6	6	5
80°	4	4	3	4	4	4	4	4
81°	3	3	3	3	3	3	3	4
82°	3	3	2	3	3	3	3	3
83°	2	2	2	2	2	2	2	3
84°	2	2	2	2	2	2	2	2
85°	1	1	1	1	2	2	2	2
86°	1	1	1	1	1	1	1	1
87°	1	1	1	1	1	1	1	1
88°	0	0	0	1	1	1	1	1
89°	0	0	0	0	0	0	0	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 γ	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	1
119°	0	0	0	0	0	0	0	1
120°	0	0	0	0	0	0	0	1
121°	0	0	0	0	0	0	0	1
122°	0	0	0	0	0	0	0	1
123°	0	0	0	0	0	0	0	1
124°	0	0	0	0	0	0	0	1
125°	0	0	0	0	0	0	0	1
126°	0	0	0	1	0	0	0	1
127°	0	0	1	1	0	0	0	1
128°	0	0	1	1	0	0	0	1
129°	1	0	1	1	0	0	0	1
130°	1	1	1	1	0	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 (cont.)

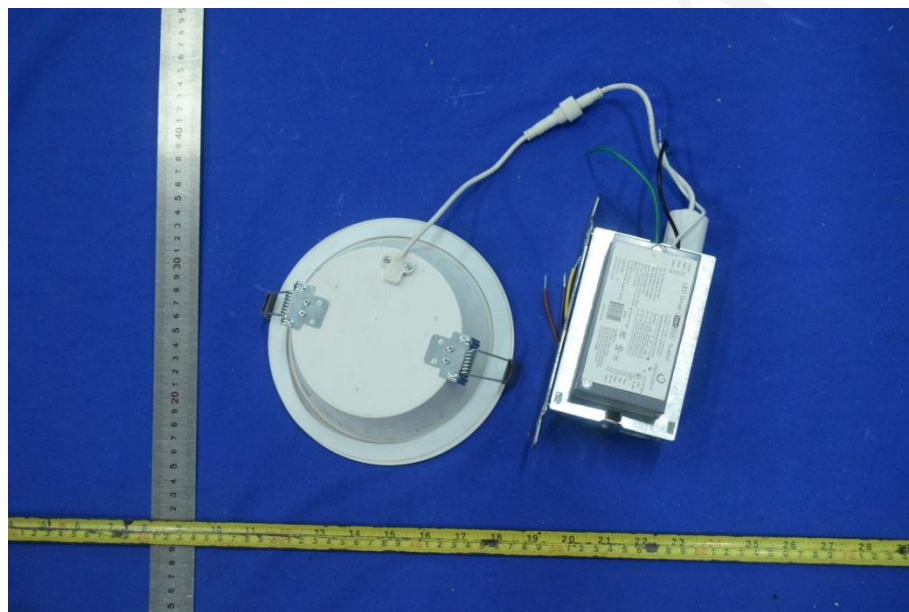
$\begin{matrix} C \\ \backslash \\ \gamma \end{matrix}$	180°	202.5°	225°	247.5°	270°	292.5°	315°	337.5°
147°	1	1	1	1	1	1	1	1
148°	1	1	1	1	1	1	1	1
149°	1	1	1	1	1	1	1	1
150°	1	1	1	1	1	1	1	1
151°	1	1	1	1	1	1	1	1
152°	1	1	1	1	1	1	1	1
153°	1	1	1	1	1	1	1	1
154°	1	1	1	1	1	1	1	1
155°	1	1	1	1	1	1	1	1
156°	1	1	1	1	1	1	1	1
157°	1	1	1	1	1	1	1	1
158°	1	1	1	1	1	1	1	2
159°	1	1	1	1	1	1	1	2
160°	2	1	2	1	1	1	1	2
161°	2	2	2	1	1	1	1	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	2	2	2	2
174°	2	2	2	2	2	2	2	2
175°	2	2	2	2	2	2	2	2
176°	2	2	2	2	2	2	2	2
177°	2	2	2	2	2	2	2	2
178°	2	2	2	2	2	2	2	2
179°	3	3	2	2	2	2	2	3
180°	3	3	3	2	2	2	2	3

Zonal Lumen Density Measurement

Deg	Flux (lm)	%
0-5	46.9	1.22
5-10	137.6	3.58
10-15	220.2	5.73
15-20	290.4	7.55
20-25	345.7	8.99
25-30	384.2	9.99
30-35	404.9	10.54
35-40	407.9	10.61
40-45	390.5	10.15
45-50	354.1	9.21
50-55	302.4	7.87
55-60	239.2	6.22
60-65	168.2	4.38
65-70	97.5	2.53
70-75	39.4	1.03
75-80	7.9	0.20
80-85	1.5	0.04
85-90	0.5	0.02
90-95	0.1	0.00
95-100	0.2	0.00
100-105	0.2	0.01
105-110	0.2	0.00
110-115	0.2	0.01
115-120	0.3	0.01
120-125	0.3	0.00
125-130	0.3	0.01
130-135	0.4	0.01
135-140	0.4	0.01
140-145	0.5	0.02
145-150	0.5	0.01
150-155	0.5	0.01
155-160	0.5	0.02
160-165	0.4	0.01
165-170	0.3	0.00
170-175	0.2	0.01
175-180	0.1	0.00

Deg	Flux (lm)	%
0-5	46.9	1.22
0-10	184.5	4.80
0-15	404.7	10.53
0-20	695.1	18.08
0-25	1040.7	27.07
0-30	1424.9	37.06
0-35	1829.8	47.60
0-40	2237.7	58.21
0-45	2628.2	68.36
0-50	2982.3	77.57
0-55	3284.7	85.44
0-60	3523.9	91.66
0-65	3692.1	96.04
0-70	3789.6	98.57
0-75	3829.0	99.60
0-80	3837.0	99.80
0-85	3838.5	99.84
0-90	3839.0	99.86
0-95	3839.1	99.86
0-100	3839.3	99.86
0-105	3839.5	99.87
0-110	3839.7	99.87
0-115	3839.9	99.88
0-120	3840.2	99.89
0-125	3840.5	99.89
0-130	3840.8	99.90
0-135	3841.1	99.91
0-140	3841.6	99.92
0-145	3842.1	99.94
0-150	3842.6	99.95
0-155	3843.1	99.96
0-160	3843.6	99.98
0-165	3844.0	99.99
0-170	3844.3	99.99
0-175	3844.4	100.00
0-180	3844.5	100.00

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