



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, KL, Hong Kong

Test Model:

PXCYL4/SM/LEM9027/KDIM120V/WD/WH/WH

Report Type:	Electrical and Photometric tests including: Luminous Flux, Luminous Intensity Distribution
Reviewed By:	Hexy He <i>Hexy He</i>
Report Number:	KS2210917-48736E-10-3
Test Date:	2021-10-12
Report Date:	2021-11-19
Approved by:	Bill Xiong / EE Engineer
Prepared By:	Bay Area Compliance Laboratories Corp. (Dongguan). No.12, Pulong East 1 st Road, Tangxia Town, Dongguan, Guangdong, China. Tel: +86-0769-86858888 Fax: +86-0769-86858588

1. Product Description

General Information:

One test sample was in good condition and received on 2021-09-17, and used for testing.

Model Tested: PXCYL4/SM/LEM9027/KDIM120V/WD/WH/WH
 Manufacturer: GREEN CREATIVE LTD
 Brand Name: GREEN CREATIVE
 Product Designation: LED Surface Downlight
 Burning Time Before Test: 0hour(For New Products)

#Rated Values:

Rated Voltage/Frequency: 120V AC 60Hz
 Rated Power: 31.5W
 Nominal CCT: 2700K
 Nominal Lumen Output: 1970lm

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	2021-01-04	2022-01-03
Digital CC&CV DC Power Supply	EVERFINE	WY12010	1009009	2021-01-04	2022-01-03
Digital power meter	YOKOGAWA	WT-210	91j926132	2021-01-04	2022-01-03
full-field speed goniophotometer	EVERFINE	GO-R5000	YG108492N10120001	2021-03-12	2022-03-11
wireless remote thermohygrometer	N/A	433MHz	N/A	2021-04-27	2022-04-26
Standard Light Source	EVERFINE	D908	1012003	2020-10-20	2021-10-19

Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) 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.

5. Test Result

[Goniophotometer System]

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

Test orientation: **Downward**

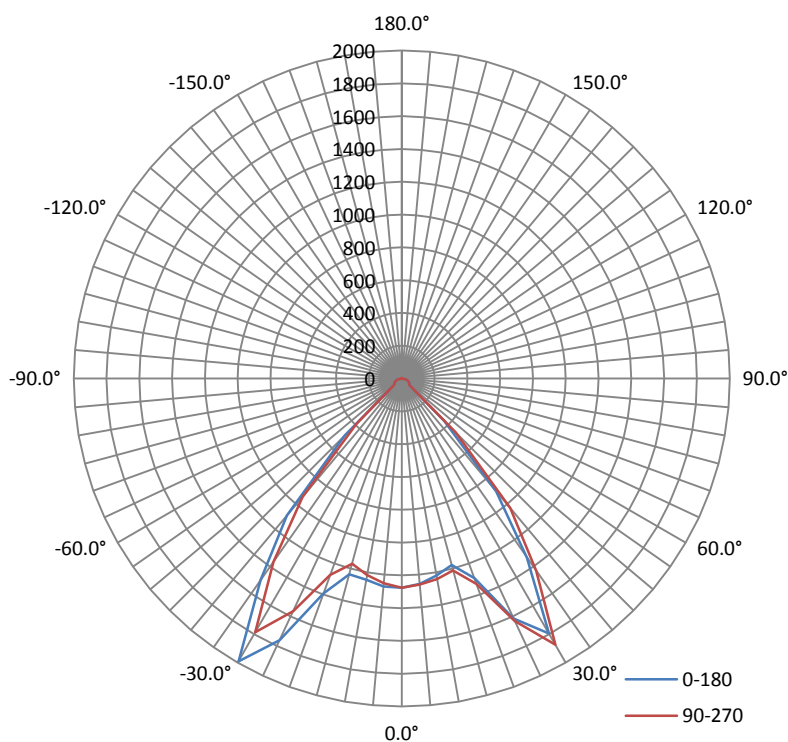
Electrical Measurement

Input Voltage (V)	Frequency (Hz)	Input Current (A)	Power (W)	Power Factor
120.0	60	0.2599	30.85	0.9890

Photometric Measurement

Luminous Flux (lm)	Efficacy (lm/W)	I _{max} (cd)	S/MH (C0/180)	S/MH (C90/270)
2613.87	84.73	2042	1.25	1.29

Luminous Intensity Distribution



	C0/180	C45/225	C90/270	C135/315	AVG.
Beam Angle (50% I _{max}):	86.5	86.8	86.5	86.5	86.6
Field Angle (10% I _{max}):	95.3	95.8	95.6	95.7	95.6

Luminous Intensity (cd) Distribution Data

C y	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°
0°	1275	1275	1275	1275	1275	1275	1275	1275
1°	1277	1278	1277	1275	1271	1273	1271	1270
2°	1276	1275	1276	1272	1267	1268	1264	1266
3°	1275	1274	1271	1270	1263	1263	1262	1260
4°	1276	1269	1267	1263	1259	1258	1259	1257
5°	1272	1267	1264	1258	1252	1250	1252	1253
6°	1265	1263	1257	1250	1246	1245	1244	1245
7°	1263	1256	1251	1244	1239	1238	1238	1240
8°	1257	1254	1247	1236	1230	1229	1229	1231
9°	1252	1246	1243	1233	1224	1219	1222	1223
10°	1245	1237	1235	1225	1216	1209	1212	1214
11°	1239	1232	1227	1216	1200	1199	1201	1204
12°	1231	1225	1219	1206	1190	1184	1186	1191
13°	1226	1216	1207	1198	1181	1175	1177	1177
14°	1228	1213	1204	1190	1173	1168	1168	1169
15°	1236	1222	1210	1192	1169	1160	1161	1164
16°	1245	1236	1216	1195	1173	1164	1160	1162
17°	1260	1244	1222	1203	1178	1167	1173	1169
18°	1287	1267	1247	1218	1195	1183	1188	1186
19°	1334	1313	1290	1257	1228	1215	1224	1229
20°	1396	1364	1336	1304	1273	1260	1274	1285
21°	1472	1426	1395	1357	1328	1317	1331	1343
22°	1553	1503	1455	1410	1376	1369	1385	1396
23°	1624	1570	1512	1464	1433	1430	1450	1453
24°	1692	1625	1572	1521	1496	1493	1521	1527
25°	1760	1688	1641	1590	1565	1560	1588	1585
26°	1825	1758	1707	1653	1635	1629	1646	1645
27°	1889	1821	1770	1713	1689	1690	1705	1704
28°	1941	1876	1824	1756	1733	1737	1745	1743
29°	1975	1915	1855	1794	1770	1770	1775	1772
30°	1990	1925	1865	1812	1786	1785	1785	1786
31°	1983	1930	1863	1817	1794	1788	1777	1788
32°	1928	1876	1808	1748	1723	1714	1713	1720
33°	1786	1733	1670	1601	1580	1566	1560	1564
34°	1630	1581	1529	1459	1439	1426	1411	1421
35°	1498	1469	1434	1380	1364	1348	1335	1335
36°	1432	1412	1383	1328	1304	1285	1266	1271
37°	1364	1351	1321	1260	1236	1212	1193	1198
38°	1293	1279	1246	1180	1152	1119	1101	1110
39°	1203	1191	1149	1082	1053	1010	988	1011
40°	1088	1073	1041	960	940	902	872	888
41°	952	945	919	847	821	799	779	781
42°	839	828	800	748	730	711	693	700
43°	725	717	689	646	632	620	608	606
44°	623	612	585	523	510	504	494	494
45°	493	483	445	400	389	387	379	382
46°	364	353	304	276	268	270	265	269
47°	234	222	198	176	170	174	176	181
48°	122	110	94	77	72	72	77	81

Luminous Intensity (cd) Distribution Data

C y	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°
49°	62	91	80	69	61	62	63	64
50°	59	74	69	63	60	61	62	63
51°	57	57	57	58	58	60	61	62
52°	56	56	56	57	57	58	60	61
53°	55	55	55	56	57	58	59	60
54°	54	54	54	55	56	57	58	59
55°	54	53	54	54	55	56	57	58
56°	53	53	53	54	54	55	56	57
57°	52	52	52	53	53	54	55	56
58°	51	51	51	52	52	53	54	55
59°	50	50	50	51	51	52	53	54
60°	49	49	49	50	50	51	52	53
61°	48	48	48	48	49	50	51	52
62°	47	47	47	47	48	49	50	51
63°	46	46	46	46	47	48	49	49
64°	45	44	44	45	45	46	47	48
65°	43	43	43	44	44	45	46	47
66°	42	42	42	42	43	44	45	46
67°	41	41	41	41	42	43	43	44
68°	40	39	39	40	40	41	42	43
69°	38	38	38	38	39	40	41	41
70°	37	36	37	37	37	38	39	40
71°	35	35	35	35	36	37	38	38
72°	34	33	33	34	34	35	36	37
73°	32	32	32	32	32	33	34	35
74°	31	30	30	30	31	31	32	33
75°	29	28	28	28	29	30	30	31
76°	27	26	26	26	27	28	28	29
77°	25	24	24	24	25	25	26	27
78°	23	22	22	22	23	23	24	24
79°	21	20	20	20	20	21	21	22
80°	18	18	18	18	18	18	19	19
81°	16	15	15	15	15	15	16	17
82°	13	13	13	12	12	13	13	14
83°	11	10	10	10	10	10	10	11
84°	8	7	7	7	7	7	7	8
85°	5	5	4	4	4	4	5	5
86°	3	3	2	1	1	1	3	3
87°	1	0	0	0	0	0	0	0
88°	0	0	0	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 y	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	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	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	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	2	2	2	2	2

Luminous Intensity (cd) Distribution Data

$\begin{matrix} C \\ \backslash \\ y \end{matrix}$	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°
147°	2	2	2	2	2	2	2	2
148°	2	2	2	2	2	2	2	2
149°	2	2	2	2	2	2	2	2
150°	2	2	2	2	2	2	2	2
151°	2	2	2	2	2	2	2	2
152°	2	2	2	2	2	2	2	2
153°	2	2	2	2	2	2	2	2
154°	2	2	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	3	3	3	3	3
180°	3	3	3	3	3	3	3	3

Luminous Intensity (cd) Distribution Data (cont.)

$\begin{matrix} C \\ \backslash \\ Y \end{matrix}$	180°	202.5°	225°	247.5°	270°	292.5°	315°	337.5°
0°	1275	1275	1275	1275	1275	1275	1275	1275
1°	1270	1272	1274	1275	1276	1274	1276	1275
2°	1268	1270	1271	1267	1271	1273	1275	1271
3°	1266	1267	1268	1269	1268	1270	1276	1272
4°	1260	1263	1265	1262	1267	1269	1271	1271
5°	1256	1256	1262	1260	1262	1264	1270	1269
6°	1252	1251	1256	1257	1259	1264	1268	1267
7°	1244	1249	1251	1254	1257	1262	1265	1261
8°	1236	1244	1245	1247	1252	1258	1260	1258
9°	1229	1238	1235	1239	1247	1255	1256	1254
10°	1219	1226	1229	1230	1241	1246	1248	1247
11°	1206	1214	1219	1221	1228	1237	1240	1240
12°	1194	1203	1210	1209	1219	1230	1234	1230
13°	1182	1193	1200	1206	1214	1224	1231	1228
14°	1176	1188	1201	1204	1213	1224	1232	1234
15°	1176	1186	1200	1204	1211	1228	1236	1245
16°	1180	1186	1197	1202	1216	1238	1247	1252
17°	1186	1195	1200	1210	1225	1249	1260	1265
18°	1210	1216	1220	1224	1240	1276	1294	1304
19°	1248	1250	1254	1261	1276	1325	1352	1363
20°	1296	1297	1299	1311	1333	1380	1420	1435
21°	1349	1349	1341	1364	1388	1440	1497	1518
22°	1404	1403	1391	1408	1440	1506	1572	1600
23°	1460	1461	1442	1468	1500	1576	1647	1674
24°	1534	1529	1512	1529	1568	1644	1717	1740
25°	1614	1597	1584	1586	1632	1717	1791	1814
26°	1683	1660	1650	1649	1704	1798	1869	1885
27°	1736	1722	1708	1712	1759	1869	1939	1944
28°	1777	1770	1754	1762	1806	1920	1987	2004
29°	1793	1802	1782	1806	1847	1964	2030	2038
30°	1795	1816	1799	1840	1875	1982	2041	2042
31°	1788	1815	1812	1847	1883	1980	2042	2029
32°	1705	1746	1761	1801	1846	1946	2003	1960
33°	1540	1585	1616	1658	1709	1808	1860	1813
34°	1399	1445	1467	1497	1555	1641	1674	1643
35°	1333	1362	1375	1391	1431	1493	1524	1515
36°	1265	1293	1310	1333	1371	1424	1441	1445
37°	1198	1224	1246	1259	1293	1352	1361	1362
38°	1130	1154	1181	1185	1214	1262	1264	1264
39°	1017	1054	1077	1096	1134	1171	1168	1166
40°	898	937	968	997	1031	1062	1072	1069
41°	795	832	866	900	911	945	947	940
42°	702	735	772	799	808	838	837	824
43°	605	631	667	702	703	724	732	710
44°	492	517	556	594	592	616	623	596
45°	364	389	432	474	463	480	481	462
46°	256	280	310	354	337	348	343	329
47°	164	208	228	258	245	253	249	240
48°	73	136	146	161	154	157	155	150

Luminous Intensity (cd) Distribution Data (cont.)

C y	180°	202.5°	225°	247.5°	270°	292.5°	315°	337.5°
49°	64	64	65	64	63	62	61	60
50°	63	63	63	62	61	60	59	58
51°	61	62	61	61	60	59	58	57
52°	61	61	60	59	59	58	57	56
53°	60	60	60	59	58	57	56	55
54°	59	59	59	58	57	56	55	54
55°	58	58	58	57	56	56	55	54
56°	57	57	57	56	56	55	54	53
57°	56	56	56	56	55	54	53	52
58°	55	55	55	55	54	53	52	51
59°	54	54	54	54	53	52	51	50
60°	53	53	53	53	52	51	50	49
61°	52	52	52	51	51	50	49	48
62°	51	51	51	50	50	49	48	47
63°	50	50	50	49	48	48	47	46
64°	48	49	48	48	47	46	45	45
65°	47	47	47	47	46	45	44	44
66°	46	46	46	45	45	44	43	42
67°	44	45	44	44	43	43	42	41
68°	43	43	43	43	42	41	40	40
69°	42	42	42	41	41	40	39	38
70°	40	40	40	40	39	38	38	37
71°	38	39	39	38	38	37	36	36
72°	37	37	37	37	36	35	35	34
73°	35	35	35	35	34	34	33	32
74°	33	34	34	33	33	32	31	31
75°	31	32	32	31	31	30	29	29
76°	29	29	30	29	29	28	28	27
77°	27	27	27	27	27	26	26	25
78°	24	25	25	25	25	24	24	23
79°	22	23	23	23	22	22	21	21
80°	19	20	20	20	20	19	19	18
81°	17	17	18	18	17	17	16	16
82°	14	14	15	15	15	14	14	13
83°	11	11	12	12	12	12	11	10
84°	8	9	9	9	9	9	8	8
85°	5	5	6	6	6	6	6	5
86°	2	2	3	3	3	3	3	2
87°	0	0	1	1	1	1	1	0
88°	0	0	0	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 (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°	1	1	0	0	0	0	0	0
139°	1	1	1	1	1	1	0	0
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.)

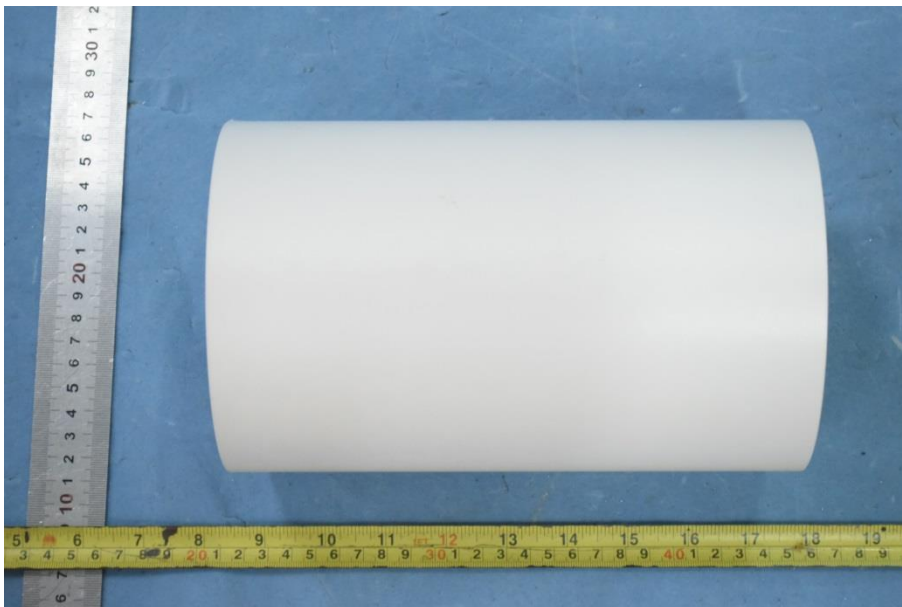
$\begin{matrix} C \\ \backslash \\ Y \end{matrix}$	180°	202.5°	225°	247.5°	270°	292.5°	315°	337.5°
147°	1	1	1	1	1	1	1	1
148°	1	1	1	1	1	1	1	1
149°	1	1	1	1	1	1	1	1
150°	1	1	1	1	1	1	1	1
151°	1	1	1	1	1	1	1	1
152°	1	1	1	1	1	1	1	1
153°	1	1	1	1	1	1	1	1
154°	1	1	1	1	1	1	1	1
155°	1	1	1	1	1	1	1	1
156°	1	1	1	1	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°	2	2	2	2	1	1	1	1
161°	2	2	2	2	2	1	1	1
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°	3	3	3	3	3	3	2	2
179°	3	3	3	3	3	3	3	3
180°	3	3	3	3	3	3	3	3

Zonal Lumen Density Measurement

Deg	Flux (lm)	%
0-5	30.3	1.16
5-10	89.1	3.41
10-15	143.4	5.48
15-20	204.6	7.83
20-25	312.0	11.93
25-30	452.3	17.31
30-35	499.1	19.09
35-40	407.0	15.57
40-45	263.9	10.10
45-50	75.5	2.89
50-55	25.3	0.97
55-60	24.8	0.94
60-65	23.4	0.90
65-70	21.2	0.81
70-75	17.9	0.69
75-80	13.2	0.50
80-85	6.6	0.25
85-90	0.7	0.03
90-95	0.0	0.00
95-100	0.0	0.00
100-105	0.0	0.00
105-110	0.0	0.00
110-115	0.0	0.00
115-120	0.1	0.00
120-125	0.1	0.01
125-130	0.2	0.01
130-135	0.3	0.01
135-140	0.3	0.01
140-145	0.4	0.02
145-150	0.4	0.01
150-155	0.4	0.02
155-160	0.4	0.02
160-165	0.4	0.01
165-170	0.3	0.01
170-175	0.2	0.01
175-180	0.1	0.00

Deg	Flux (lm)	%
0-5	30.3	1.16
0-10	119.4	4.57
0-15	262.7	10.05
0-20	467.3	17.88
0-25	779.3	29.81
0-30	1231.6	47.12
0-35	1730.7	66.21
0-40	2137.7	81.78
0-45	2401.6	91.88
0-50	2477.2	94.77
0-55	2502.4	95.74
0-60	2527.2	96.68
0-65	2550.6	97.58
0-70	2571.8	98.39
0-75	2589.7	99.08
0-80	2602.9	99.58
0-85	2609.5	99.83
0-90	2610.1	99.86
0-95	2610.1	99.86
0-100	2610.2	99.86
0-105	2610.2	99.86
0-110	2610.2	99.86
0-115	2610.3	99.86
0-120	2610.3	99.86
0-125	2610.5	99.87
0-130	2610.7	99.88
0-135	2611.0	99.89
0-140	2611.3	99.90
0-145	2611.7	99.92
0-150	2612.1	99.93
0-155	2612.5	99.95
0-160	2613.0	99.97
0-165	2613.4	99.98
0-170	2613.6	99.99
0-175	2613.8	100.00
0-180	2613.9	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. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
3. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.
4. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.
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*****END OF REPORT*****