



# 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/VN/WH/WH

<b>Report Type:</b>	Electrical and Photometric tests including: Luminous Flux, Luminous Intensity Distribution
<b>Reviewed By:</b>	Hexy He <i>Hexy He</i>
<b>Report Number:</b>	KS2210917-48736E-10-1
<b>Test Date:</b>	2021-10-12
<b>Report Date:</b>	2021-11-19
<b>Approved by:</b>	Bill Xiong / EE Engineer
<b>Prepared By:</b>	Bay Area Compliance Laboratories Corp. (Dongguan). No.12, Pulong East 1 <sup>st</sup> 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/VN/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 ( $\gamma$ ) 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 ( $\gamma$ ) 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**

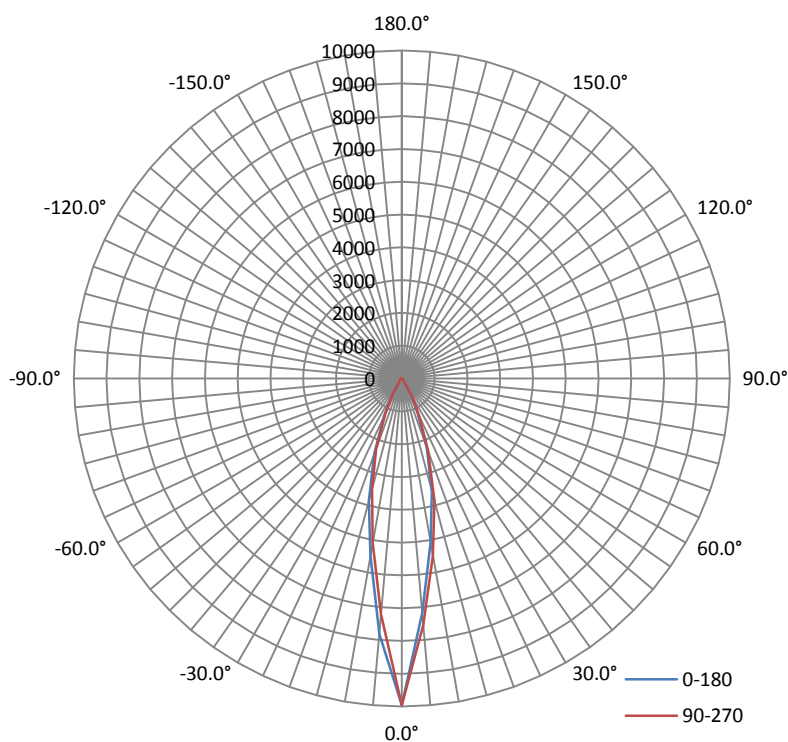
### Electrical Measurement

Input Voltage (V)	Frequency (Hz)	Input Current (A)	Power (W)	Power Factor
120.0	60	0.2603	30.90	0.9890

### Photometric Measurement

Luminous Flux (lm)	Efficacy (lm/W)	I <sub>max</sub> (cd)	S/MH (C0/180)	S/MH (C90/270)
2551.59	82.58	9956	0.34	0.38

### Luminous Intensity Distribution



	C0/180	C45/225	C90/270	C135/315	AVG.
Beam Angle (50% I <sub>max</sub> ):	21.8	21.7	21.8	21.6	21.7
Field Angle (10% I <sub>max</sub> ):	52.4	52.6	52.5	52.4	52.5

Luminous Intensity (cd) Distribution Data

C y	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°
0°	9956	9956	9956	9956	9956	9956	9956	9956
1°	9894	9887	9871	9850	9825	9792	9788	9820
2°	9633	9613	9578	9499	9453	9397	9366	9372
3°	9178	9117	9036	8941	8849	8769	8744	8751
4°	8519	8428	8301	8140	8021	7941	7992	8020
5°	7823	7679	7514	7338	7215	7178	7220	7332
6°	7142	7008	6835	6678	6601	6554	6590	6692
7°	6615	6497	6304	6178	6093	6061	6076	6178
8°	6190	6057	5897	5770	5721	5660	5676	5760
9°	5824	5703	5542	5401	5397	5328	5336	5403
10°	5476	5337	5207	5080	5081	4994	5015	5097
11°	5144	5028	4883	4770	4743	4653	4674	4765
12°	4812	4709	4561	4453	4408	4337	4355	4451
13°	4469	4371	4254	4151	4086	4050	4054	4141
14°	4157	4064	3935	3869	3788	3768	3785	3844
15°	3863	3761	3666	3601	3505	3497	3510	3588
16°	3560	3473	3389	3321	3237	3218	3235	3302
17°	3273	3196	3118	3052	2978	2956	2977	3039
18°	3005	2924	2872	2795	2731	2710	2737	2793
19°	2720	2668	2625	2555	2504	2491	2493	2548
20°	2439	2408	2377	2325	2275	2257	2260	2302
21°	2176	2150	2125	2084	2032	2014	2015	2048
22°	1917	1895	1880	1832	1788	1761	1769	1793
23°	1678	1661	1643	1590	1552	1532	1534	1567
24°	1463	1457	1437	1383	1354	1337	1343	1369
25°	1273	1268	1245	1192	1163	1146	1151	1178
26°	1082	1076	1044	1005	989	975	983	1003
27°	932	925	889	841	820	800	809	835
28°	803	781	743	703	690	673	684	700
29°	704	681	649	619	609	591	602	614
30°	621	594	581	554	543	531	533	546
31°	547	530	514	490	478	471	465	479
32°	473	465	447	426	412	396	397	411
33°	399	356	317	276	257	248	243	256
34°	241	216	191	177	170	167	166	170
35°	164	159	154	151	148	145	145	147
36°	142	138	134	132	131	130	130	131
37°	127	124	122	121	122	121	122	122
38°	119	117	116	115	115	115	118	117
39°	114	113	111	109	110	111	116	114
40°	111	109	107	103	103	107	111	110
41°	107	105	105	101	99	103	105	105
42°	103	101	102	100	100	99	100	100
43°	99	96	97	97	98	95	95	96
44°	96	93	93	92	93	91	90	91
45°	91	88	89	87	88	86	85	87
46°	87	83	84	82	82	80	80	81
47°	81	78	78	77	77	74	74	75
48°	75	72	73	72	72	69	69	70

Luminous Intensity (cd) Distribution Data

C y	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°
49°	70	68	68	67	66	64	63	65
50°	64	61	59	61	61	59	59	60
51°	59	57	55	56	56	55	54	55
52°	54	53	50	50	51	50	50	50
53°	50	49	49	49	50	49	49	49
54°	49	48	48	48	49	48	48	48
55°	47	47	47	47	48	47	47	47
56°	46	46	46	46	46	46	46	46
57°	45	45	45	45	45	45	45	45
58°	44	43	43	44	44	44	44	44
59°	42	42	42	42	42	42	42	42
60°	41	41	41	41	41	41	41	41
61°	39	39	39	40	40	40	40	40
62°	38	38	38	38	38	38	38	39
63°	37	37	37	37	37	37	37	37
64°	35	35	35	36	36	36	36	36
65°	34	34	34	34	34	34	34	34
66°	33	33	33	33	33	33	33	33
67°	31	31	31	31	32	32	32	32
68°	30	30	30	30	30	30	30	30
69°	29	28	28	29	29	29	29	29
70°	27	27	27	27	27	27	27	27
71°	26	26	26	26	26	26	26	26
72°	24	24	24	24	24	24	24	24
73°	23	22	23	23	23	23	23	23
74°	21	21	21	21	21	21	21	21
75°	20	19	19	20	20	20	20	20
76°	18	18	18	18	18	18	18	18
77°	16	16	16	16	16	16	16	17
78°	15	15	15	15	15	15	15	15
79°	13	13	13	13	13	13	13	13
80°	11	11	11	11	11	11	11	11
81°	10	9	9	9	9	9	9	10
82°	8	8	7	7	7	7	8	8
83°	6	6	6	6	6	6	6	6
84°	4	4	4	4	4	4	4	4
85°	3	2	2	2	2	2	2	2
86°	1	1	1	1	1	1	1	1
87°	0	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	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	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	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°	3	3	3	3	3	3	3	3
143°	3	3	3	3	3	3	3	3
144°	3	3	3	3	3	3	3	3
145°	4	4	4	4	4	4	4	4
146°	4	4	4	4	4	4	4	4

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°	4	4	4	4	4	4	4	4
148°	4	5	5	5	5	5	5	5
149°	5	5	5	5	5	5	5	5
150°	5	5	5	5	5	5	5	5
151°	5	5	5	6	6	6	6	6
152°	6	6	6	6	6	6	6	6
153°	6	6	6	6	6	6	6	6
154°	6	6	6	6	6	6	6	6
155°	6	6	7	7	7	7	7	7
156°	7	7	7	7	7	7	7	7
157°	7	7	7	7	7	7	7	7
158°	7	7	7	7	7	7	7	7
159°	7	7	7	7	7	7	7	7
160°	7	7	7	7	7	7	7	7
161°	7	7	7	7	7	7	7	7
162°	7	7	7	7	7	7	7	8
163°	7	7	7	7	7	7	7	8
164°	7	7	7	7	7	7	7	7
165°	7	7	7	7	7	7	7	7
166°	7	7	7	7	7	7	7	7
167°	7	7	7	7	7	7	7	7
168°	7	7	7	7	7	7	7	7
169°	7	6	6	6	6	6	7	7
170°	6	6	6	6	6	6	6	6
171°	6	6	6	6	6	6	6	6
172°	6	6	6	6	6	6	6	6
173°	6	5	5	5	5	5	5	6
174°	5	5	5	5	5	5	5	5
175°	5	5	5	5	5	5	5	5
176°	5	5	5	5	5	5	5	5
177°	5	4	4	4	4	4	4	5
178°	4	4	4	4	4	4	4	4
179°	4	4	4	4	4	4	4	4
180°	4	4	4	4	4	4	4	4



Luminous Intensity (cd) Distribution Data (cont.)

C Y	180°	202.5°	225°	247.5°	270°	292.5°	315°	337.5°
0°	9956	9956	9956	9956	9956	9956	9956	9956
1°	9672	9680	9698	9707	9732	9737	9724	9776
2°	9176	9220	9265	9315	9395	9410	9436	9450
3°	8484	8554	8673	8755	8824	8882	8937	8954
4°	7786	7870	8009	8101	8184	8195	8251	8294
5°	7165	7274	7377	7517	7550	7515	7549	7576
6°	6625	6726	6815	6929	6973	6958	6960	6981
7°	6153	6279	6372	6462	6517	6530	6474	6484
8°	5779	5917	5996	6067	6171	6178	6121	6079
9°	5430	5574	5650	5716	5839	5846	5807	5746
10°	5082	5250	5325	5388	5492	5507	5473	5417
11°	4753	4918	4995	5061	5151	5199	5144	5059
12°	4456	4586	4675	4758	4819	4867	4837	4742
13°	4133	4267	4369	4450	4491	4534	4506	4426
14°	3836	3954	4064	4136	4167	4203	4178	4119
15°	3549	3652	3765	3815	3846	3871	3861	3829
16°	3272	3361	3442	3510	3545	3566	3566	3526
17°	3006	3088	3179	3220	3250	3278	3275	3240
18°	2748	2830	2900	2929	2954	2977	2986	2953
19°	2493	2560	2619	2635	2646	2667	2668	2659
20°	2230	2277	2328	2339	2337	2345	2353	2354
21°	1973	1999	2050	2062	2063	2066	2069	2065
22°	1729	1751	1811	1827	1834	1828	1841	1817
23°	1508	1539	1593	1612	1624	1617	1628	1589
24°	1329	1364	1411	1432	1441	1438	1440	1408
25°	1151	1189	1229	1251	1259	1259	1253	1226
26°	972	1014	1048	1071	1077	1081	1066	1045
27°	810	867	909	935	941	946	930	906
28°	698	749	793	821	834	838	821	794
29°	617	661	703	729	749	748	730	704
30°	548	587	627	651	672	671	655	627
31°	485	519	559	586	606	605	585	560
32°	398	445	492	519	541	540	523	496
33°	246	289	343	392	431	438	418	382
34°	166	181	206	234	261	268	253	229
35°	151	162	179	161	166	169	166	194
36°	136	142	152	143	151	153	150	159
37°	121	123	125	125	135	137	134	125
38°	117	117	121	118	120	121	119	118
39°	112	111	117	114	115	115	113	113
40°	105	106	112	109	111	110	108	108
41°	101	104	106	104	108	107	105	106
42°	96	101	100	100	104	104	104	103
43°	91	96	96	96	100	101	101	100
44°	87	92	91	92	95	96	97	95
45°	82	87	87	88	91	92	92	91
46°	76	81	82	83	85	87	87	86
47°	71	75	76	77	80	81	82	80
48°	66	70	71	72	74	75	76	75

Luminous Intensity (cd) Distribution Data (cont.)

C y	180°	202.5°	225°	247.5°	270°	292.5°	315°	337.5°
49°	61	64	66	67	69	70	71	70
50°	55	56	59	60	62	63	64	62
51°	52	52	53	53	55	56	56	55
52°	49	49	50	50	51	52	52	51
53°	49	48	48	49	49	49	50	49
54°	48	48	48	48	48	49	49	48
55°	47	47	47	47	47	47	48	47
56°	46	45	45	46	46	46	46	46
57°	44	44	44	45	45	45	45	45
58°	43	43	43	43	44	44	44	43
59°	42	42	42	42	42	42	42	42
60°	41	41	41	41	41	41	41	41
61°	39	39	39	39	40	40	39	39
62°	38	38	38	38	38	38	38	38
63°	37	37	37	37	37	37	37	37
64°	35	35	35	36	36	36	35	35
65°	34	34	34	34	34	34	34	34
66°	33	33	33	33	33	33	33	32
67°	31	31	31	31	32	31	31	31
68°	30	30	30	30	30	30	30	30
69°	28	28	29	29	29	29	28	28
70°	27	27	27	27	27	27	27	27
71°	26	26	26	26	26	26	25	25
72°	24	24	24	24	24	24	24	24
73°	23	23	23	23	23	23	23	22
74°	21	21	21	21	21	21	21	21
75°	19	20	20	20	20	20	20	19
76°	18	18	18	18	18	18	18	18
77°	16	16	17	17	17	17	16	16
78°	14	15	15	15	15	15	15	14
79°	13	13	13	13	13	13	13	13
80°	11	11	12	12	12	12	11	11
81°	9	10	10	10	10	10	10	9
82°	7	8	8	8	8	8	8	8
83°	6	6	6	7	7	7	6	6
84°	4	4	5	5	5	5	5	4
85°	2	3	3	3	3	3	3	3
86°	1	1	1	2	2	2	1	1
87°	0	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 (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°	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

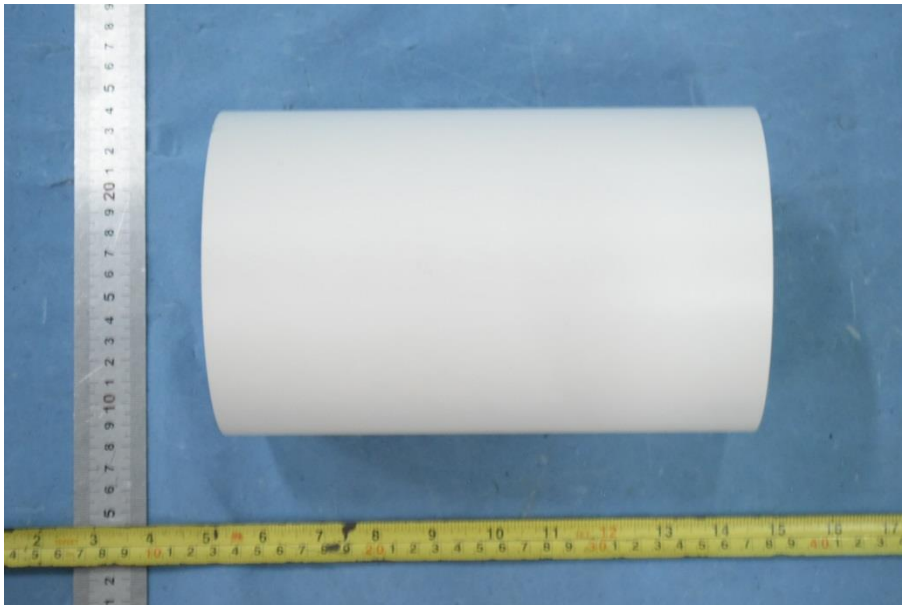
Luminous Intensity (cd) Distribution Data (cont.)

$\begin{matrix} C \\ \backslash \\ Y \end{matrix}$	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	2	1	1	1	1	1	2
152°	2	2	2	2	2	2	2	2
153°	2	2	2	2	2	2	2	2
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	2	2	2	2
174°	2	2	2	2	2	2	2	2
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°	4	4	3	3	3	3	4	4
180°	4	4	4	4	4	4	4	4

### Zonal Lumen Density Measurement

Deg	Flux (lm)	%	Deg	Flux (lm)	%
0-5	204.4	8.01	0-5	204.4	8.01
5-10	436.0	17.09	0-10	640.4	25.10
10-15	523.7	20.52	0-15	1164.1	45.62
15-20	490.0	19.21	0-20	1654.1	64.83
20-25	358.6	14.05	0-25	2012.7	78.88
25-30	212.9	8.34	0-30	2225.6	87.22
30-35	110.7	4.34	0-35	2336.3	91.56
35-40	42.0	1.65	0-40	2378.2	93.21
40-45	36.5	1.43	0-45	2414.7	94.64
45-50	30.1	1.17	0-50	2444.8	95.81
50-55	22.3	0.88	0-55	2467.1	96.69
55-60	20.4	0.80	0-60	2487.5	97.49
60-65	18.2	0.71	0-65	2505.7	98.20
65-70	15.5	0.61	0-70	2521.2	98.81
70-75	12.2	0.48	0-75	2533.5	99.29
75-80	8.3	0.33	0-80	2541.8	99.62
80-85	3.8	0.14	0-85	2545.5	99.76
85-90	0.3	0.02	0-90	2545.9	99.78
90-95	0.0	0.00	0-95	2545.9	99.78
95-100	0.0	0.00	0-100	2545.9	99.78
100-105	0.0	0.00	0-105	2545.9	99.78
105-110	0.0	0.00	0-110	2545.9	99.78
110-115	0.0	0.00	0-115	2545.9	99.78
115-120	0.0	0.00	0-120	2546.0	99.78
120-125	0.0	0.00	0-125	2546.0	99.78
125-130	0.1	0.00	0-130	2546.1	99.78
130-135	0.2	0.01	0-135	2546.3	99.79
135-140	0.3	0.01	0-140	2546.6	99.80
140-145	0.6	0.03	0-145	2547.2	99.83
145-150	0.8	0.03	0-150	2548.0	99.86
150-155	1.0	0.04	0-155	2549.0	99.90
155-160	0.9	0.03	0-160	2549.9	99.93
160-165	0.8	0.03	0-165	2550.7	99.96
165-170	0.5	0.03	0-170	2551.2	99.99
170-175	0.3	0.01	0-175	2551.5	100.00
175-180	0.1	0.00	0-180	2551.6	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.
5. This report cannot be reproduced except in full, without prior written approval of the Company.
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\*\*\*\*\*END OF REPORT\*\*\*\*\*