



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:

PXCYL6/SM/LEL9027/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:	KS2210917-48737E-10-2
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: PXCYL6/SM/LEL9027/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: 60W
 Nominal CCT: 2700K
 Nominal Lumen Output: 4450lm

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**

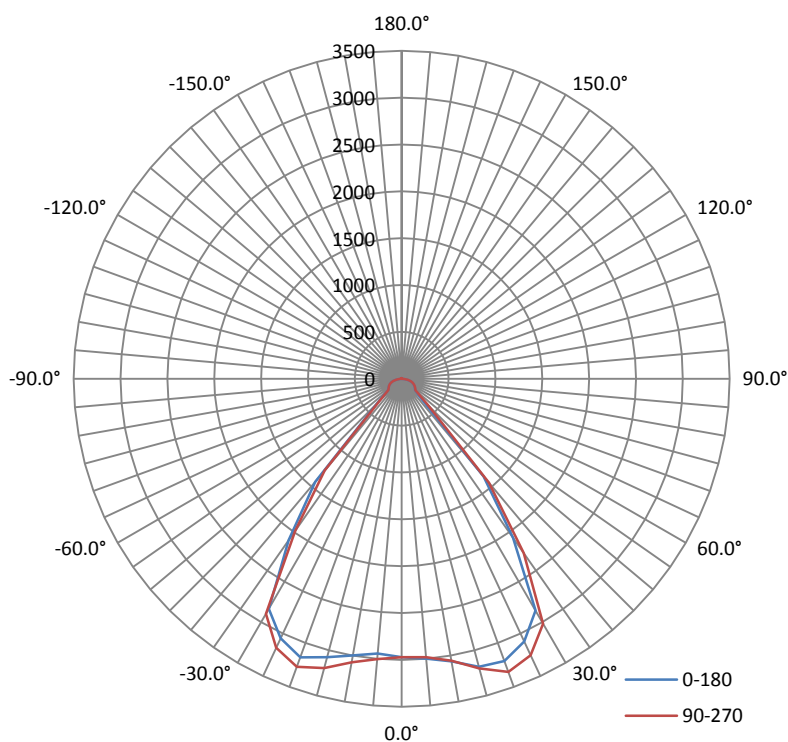
Electrical Measurement

Input Voltage (V)	Frequency (Hz)	Input Current (A)	Power (W)	Power Factor
120.0	60	0.5181	57.95	0.9318

Photometric Measurement

Luminous Flux (lm)	Efficacy (lm/W)	I _{max} (cd)	S/MH (C0/180)	S/MH (C90/270)
4790.1	82.66	3330	1.14	1.15

Luminous Intensity Distribution



	C0/180	C45/225	C90/270	C135/315	AVG.
Beam Angle (50% I _{max}):	79.0	78.7	78.6	78.5	78.7
Field Angle (10% I _{max}):	90.3	90.6	90.7	90.6	90.6

Luminous Intensity (cd) Distribution Data

C Y	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°
0°	2972	2972	2972	2972	2972	2972	2972	2972
1°	2971	2961	2967	2975	2983	2969	2984	2966
2°	2958	2959	2976	2991	2982	2979	3001	2979
3°	2958	2966	2982	2995	2997	2987	3001	2983
4°	2956	2955	2972	2989	3005	2988	2997	2981
5°	2943	2949	2984	2995	3004	2995	3016	2984
6°	2944	2965	2991	3007	3014	3022	3032	3018
7°	2967	2971	2993	3014	3046	3047	3046	3033
8°	2979	2979	3005	3042	3054	3056	3073	3038
9°	2988	2995	3010	3054	3051	3057	3083	3056
10°	2998	2995	3020	3052	3072	3076	3083	3071
11°	3011	3000	3038	3066	3096	3098	3110	3075
12°	3016	3034	3067	3090	3109	3111	3132	3106
13°	3048	3059	3077	3108	3133	3146	3153	3134
14°	3068	3063	3091	3136	3169	3180	3184	3159
15°	3076	3080	3123	3171	3196	3203	3217	3185
16°	3108	3113	3152	3189	3223	3237	3238	3209
17°	3153	3134	3156	3199	3248	3262	3266	3223
18°	3170	3139	3179	3222	3253	3274	3297	3239
19°	3159	3144	3190	3232	3267	3278	3299	3258
20°	3163	3140	3178	3230	3271	3277	3283	3245
21°	3144	3126	3161	3232	3259	3259	3286	3225
22°	3129	3115	3147	3213	3247	3248	3271	3222
23°	3119	3092	3120	3182	3231	3223	3239	3203
24°	3096	3063	3094	3158	3205	3210	3217	3163
25°	3056	3038	3068	3136	3167	3170	3192	3133
26°	3027	3008	3027	3089	3135	3135	3142	3103
27°	2996	2959	2987	3050	3086	3091	3095	3048
28°	2938	2903	2952	3007	3021	3033	3049	2997
29°	2888	2870	2882	2934	2960	2969	2981	2948
30°	2836	2804	2810	2858	2897	2904	2909	2881
31°	2778	2741	2756	2796	2819	2833	2842	2808
32°	2706	2668	2675	2695	2706	2720	2746	2734
33°	2575	2518	2483	2476	2504	2515	2535	2545
34°	2350	2276	2238	2235	2237	2236	2278	2285
35°	2101	2051	2012	1993	1982	1995	2024	2058
36°	1907	1878	1835	1822	1828	1839	1852	1872
37°	1794	1770	1735	1721	1723	1727	1753	1764
38°	1684	1675	1628	1614	1595	1598	1626	1658
39°	1568	1557	1510	1477	1452	1460	1491	1536
40°	1436	1389	1339	1310	1278	1288	1328	1380
41°	1253	1209	1156	1112	1089	1076	1124	1189
42°	1016	978	903	846	824	821	863	929
43°	763	705	651	606	597	594	624	672
44°	537	538	501	471	465	463	483	515
45°	371	372	353	337	334	333	343	360
46°	205	206	204	204	203	203	203	205
47°	198	196	195	196	195	194	196	195
48°	193	193	192	192	190	190	192	192

Luminous Intensity (cd) Distribution Data

C y	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°
49°	190	189	188	187	188	188	188	189
50°	187	186	185	185	185	185	186	186
51°	184	183	183	183	182	181	183	183
52°	181	180	180	179	179	179	180	181
53°	179	177	176	176	177	176	177	177
54°	175	174	174	174	173	173	174	174
55°	172	171	171	170	170	170	172	172
56°	170	168	168	167	168	167	168	169
57°	167	165	165	165	164	164	165	165
58°	163	162	162	161	161	161	163	163
59°	161	159	158	158	159	158	159	160
60°	158	156	155	156	155	155	156	156
61°	154	153	153	152	152	151	153	154
62°	151	150	150	149	149	149	150	151
63°	148	146	146	146	146	146	147	147
64°	145	143	143	143	142	142	144	144
65°	141	140	140	139	139	139	140	141
66°	138	137	136	136	136	136	136	137
67°	134	133	132	132	132	132	133	133
68°	130	129	129	128	128	128	129	129
69°	127	125	124	124	124	124	125	125
70°	122	121	120	120	120	119	120	120
71°	117	117	116	115	115	114	116	116
72°	113	111	110	110	110	110	111	112
73°	108	106	105	105	105	105	106	106
74°	102	101	100	100	99	99	100	101
75°	96	95	94	93	93	93	94	95
76°	90	89	88	87	87	87	88	89
77°	84	82	81	80	80	80	81	82
78°	77	75	74	73	73	73	74	75
79°	69	67	66	65	65	65	66	68
80°	61	59	58	57	57	57	58	59
81°	53	51	49	48	48	48	49	51
82°	44	42	41	40	40	40	41	43
83°	35	33	32	31	31	31	32	34
84°	27	25	23	22	22	22	24	25
85°	18	16	14	14	13	14	15	17
86°	9	8	6	6	5	6	7	8
87°	6	4	3	3	3	3	4	6
88°	3	1	0	0	0	0	0	3
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°	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°	2	2	2	2	2	2	2	2
132°	2	2	2	2	2	2	2	2
133°	2	2	2	2	2	2	2	2
134°	2	2	2	2	2	2	2	2
135°	2	2	2	2	2	2	2	2
136°	2	2	2	2	2	2	2	2
137°	2	2	2	2	2	2	2	2
138°	3	3	3	3	3	3	3	3
139°	3	3	3	3	3	3	3	3
140°	3	3	3	3	3	3	3	3
141°	3	3	3	3	3	3	3	3
142°	3	3	3	3	3	3	3	3
143°	4	4	4	4	4	4	4	3
144°	4	4	4	4	4	4	4	4
145°	4	4	4	4	4	4	4	4
146°	4	4	4	4	4	4	4	4

Luminous Intensity (cd) Distribution Data

C y	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°
147°	4	4	4	4	4	4	4	4
148°	4	4	4	4	5	4	4	4
149°	5	5	5	5	5	5	5	5
150°	5	5	5	5	5	5	5	5
151°	5	5	5	5	5	5	5	5
152°	5	5	5	5	5	5	5	5
153°	5	5	5	5	5	5	5	5
154°	6	6	6	6	6	5	6	5
155°	6	6	6	6	6	6	6	6
156°	6	6	6	6	6	6	6	6
157°	6	6	6	6	6	6	6	6
158°	6	6	6	6	6	6	6	6
159°	6	6	6	6	6	6	6	6
160°	6	6	6	6	6	6	6	6
161°	6	6	6	6	6	6	6	6
162°	7	7	7	7	7	7	7	7
163°	7	7	7	7	7	7	7	7
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	6	7	6	7	7	7
169°	6	6	6	6	6	6	7	6
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	6	6	6	6	6	6	6
174°	6	6	6	6	6	6	6	6
175°	6	6	6	6	6	6	6	6
176°	6	6	6	6	6	6	6	6
177°	6	6	6	6	6	6	6	6
178°	6	6	6	6	6	6	6	6
179°	6	6	6	6	6	6	6	6
180°	6	6	6	6	6	6	6	6

Luminous Intensity (cd) Distribution Data (cont.)

C y	180°	202.5°	225°	247.5°	270°	292.5°	315°	337.5°
0°	2972	2972	2972	2972	2972	2972	2972	2972
1°	2966	2972	2968	2967	2966	2958	2980	2959
2°	2980	2962	2962	2962	2960	2957	2972	2948
3°	2984	2971	2953	2953	2969	2968	2963	2953
4°	2970	2977	2971	2980	2971	2967	2981	2953
5°	2998	2976	2981	2988	2982	2971	2980	2939
6°	3018	2997	2984	2992	2998	2980	2969	2947
7°	3029	3022	3024	3031	2999	2990	2995	2966
8°	3042	3028	3043	3051	3032	3014	3013	2984
9°	3044	3038	3038	3049	3057	3032	3023	2990
10°	3063	3050	3066	3064	3055	3036	3029	2993
11°	3083	3069	3094	3092	3065	3037	3051	3013
12°	3108	3088	3114	3107	3103	3078	3066	3025
13°	3123	3119	3136	3139	3140	3115	3083	3060
14°	3140	3149	3170	3175	3166	3135	3126	3082
15°	3181	3164	3194	3207	3199	3162	3149	3099
16°	3202	3195	3222	3235	3234	3212	3182	3136
17°	3201	3210	3245	3274	3269	3230	3216	3176
18°	3219	3205	3244	3294	3293	3258	3239	3186
19°	3223	3208	3255	3295	3308	3284	3254	3194
20°	3206	3212	3271	3320	3329	3306	3270	3197
21°	3185	3186	3268	3330	3323	3299	3270	3190
22°	3177	3167	3236	3313	3316	3309	3256	3177
23°	3150	3158	3232	3288	3302	3297	3263	3175
24°	3111	3125	3211	3279	3272	3258	3247	3143
25°	3094	3092	3179	3253	3256	3250	3215	3103
26°	3054	3079	3152	3216	3238	3220	3169	3080
27°	3012	3046	3120	3178	3188	3174	3142	3040
28°	2964	2983	3058	3121	3150	3131	3095	2982
29°	2923	2946	3005	3065	3105	3089	3033	2937
30°	2856	2887	2943	3008	3018	3004	2962	2878
31°	2797	2815	2883	2938	2952	2931	2892	2798
32°	2721	2753	2799	2849	2885	2859	2800	2724
33°	2535	2609	2673	2729	2759	2732	2668	2597
34°	2306	2373	2438	2510	2535	2511	2456	2358
35°	2071	2128	2175	2232	2270	2241	2191	2102
36°	1887	1931	1956	1993	2006	1988	1946	1904
37°	1787	1810	1808	1829	1835	1821	1812	1785
38°	1681	1704	1699	1715	1727	1719	1706	1673
39°	1554	1577	1579	1587	1598	1590	1573	1559
40°	1360	1393	1400	1412	1449	1418	1402	1382
41°	1165	1209	1220	1238	1267	1246	1231	1205
42°	969	1022	1039	1061	1083	1071	1058	1026
43°	708	752	793	818	829	820	805	768
44°	474	522	561	585	592	587	568	537
45°	280	315	349	377	388	383	361	337
46°	202	205	211	223	230	225	216	206
47°	197	198	201	203	202	200	201	198
48°	194	194	196	197	198	197	196	194

Luminous Intensity (cd) Distribution Data (cont.)

C y	180°	202.5°	225°	247.5°	270°	292.5°	315°	337.5°
49°	190	191	192	194	194	192	192	190
50°	187	188	189	191	190	189	190	188
51°	185	185	187	188	188	187	187	184
52°	182	183	184	185	185	184	184	182
53°	178	180	181	182	182	181	180	179
54°	176	176	178	179	179	178	178	176
55°	173	174	175	176	177	175	174	173
56°	170	171	172	173	173	172	172	170
57°	167	168	169	170	170	169	169	167
58°	164	164	166	167	167	166	166	164
59°	160	162	163	164	164	163	163	161
60°	158	159	160	161	161	160	160	158
61°	155	155	157	158	158	157	157	154
62°	151	153	154	155	155	154	153	152
63°	148	149	151	152	151	151	151	148
64°	145	146	147	148	149	148	147	145
65°	142	143	144	145	145	144	144	142
66°	138	139	140	142	141	140	140	138
67°	134	135	136	137	137	136	136	134
68°	130	131	132	133	133	132	132	130
69°	125	127	128	129	128	128	127	126
70°	121	122	124	125	124	123	124	122
71°	117	118	119	120	120	119	119	117
72°	111	113	114	115	115	114	114	112
73°	106	107	109	110	110	109	109	107
74°	101	102	104	105	105	104	104	102
75°	95	97	98	99	99	99	98	96
76°	89	90	92	93	93	92	92	90
77°	83	84	85	86	87	86	86	84
78°	76	77	78	79	80	79	78	77
79°	68	70	71	72	72	72	71	70
80°	60	62	64	65	65	64	63	62
81°	52	54	55	56	57	56	55	53
82°	44	46	47	48	49	48	47	45
83°	35	37	39	40	40	39	38	36
84°	27	29	30	31	31	31	30	28
85°	19	20	22	24	24	22	21	20
86°	11	12	14	16	16	14	13	12
87°	3	4	6	8	8	6	5	4
88°	0	0	1	1	1	1	1	1
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°	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 (cont.)

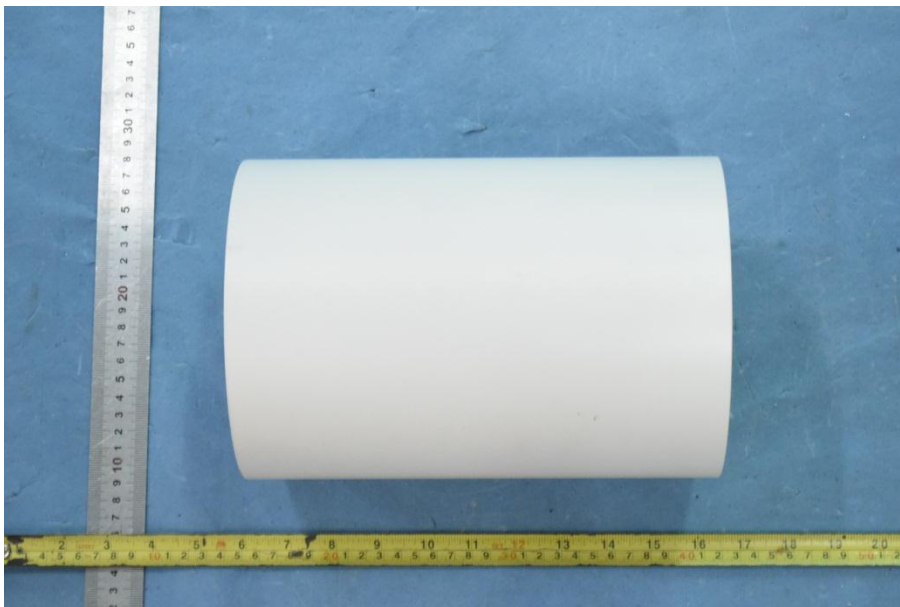
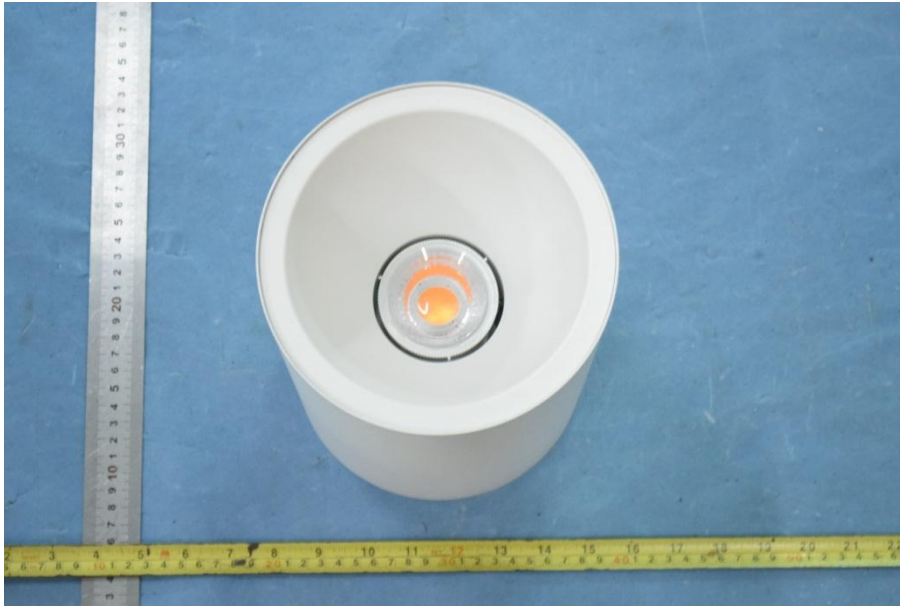
$\begin{matrix} C \\ \backslash \\ Y \end{matrix}$	180°	202.5°	225°	247.5°	270°	292.5°	315°	337.5°
147°	2	2	2	2	2	2	2	2
148°	2	2	2	2	2	2	2	2
149°	2	2	2	2	2	2	2	2
150°	2	2	2	2	2	2	2	2
151°	2	2	2	2	2	2	2	2
152°	2	2	2	2	2	2	2	2
153°	2	2	2	2	2	2	2	2
154°	2	2	2	2	2	2	2	2
155°	2	2	2	2	2	2	2	2
156°	3	3	3	3	2	2	2	2
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°	4	4	4	4	4	3	3	3
168°	4	4	4	4	4	4	4	4
169°	4	4	4	4	4	4	4	4
170°	4	4	4	4	4	4	4	4
171°	4	4	4	4	4	4	4	4
172°	4	4	4	4	4	4	4	4
173°	4	4	4	4	4	4	4	4
174°	4	4	4	4	4	4	4	4
175°	5	5	5	5	5	5	5	5
176°	5	5	5	5	5	5	5	5
177°	5	5	5	5	5	5	5	5
178°	5	5	5	5	5	5	5	5
179°	5	5	5	5	5	5	5	5
180°	6	6	6	6	6	6	6	6

Zonal Lumen Density Measurement

Deg	Flux (lm)	%
0-5	71.1	1.48
5-10	216.0	4.51
10-15	368.2	7.69
15-20	530.5	11.08
20-25	672.4	14.03
25-30	769.3	16.06
30-35	765.1	15.98
35-40	574.0	11.98
40-45	312.6	6.52
45-50	85.4	1.79
50-55	78.3	1.63
55-60	76.4	1.60
60-65	72.8	1.52
65-70	66.8	1.39
70-75	57.2	1.19
75-80	42.4	0.89
80-85	21.5	0.45
85-90	2.7	0.05
90-95	0.0	0.00
95-100	0.1	0.01
100-105	0.1	0.00
105-110	0.1	0.00
110-115	0.1	0.00
115-120	0.1	0.00
120-125	0.2	0.01
125-130	0.3	0.00
130-135	0.5	0.01
135-140	0.6	0.02
140-145	0.8	0.01
145-150	0.9	0.02
150-155	0.9	0.02
155-160	0.9	0.02
160-165	0.8	0.02
165-170	0.6	0.01
170-175	0.4	0.01
175-180	0.1	0.00

Deg	Flux (lm)	%
0-5	71.1	1.48
0-10	287.1	5.99
0-15	655.4	13.68
0-20	1185.9	24.76
0-25	1858.3	38.79
0-30	2627.6	54.85
0-35	3392.6	70.83
0-40	3966.6	82.81
0-45	4279.2	89.33
0-50	4364.5	91.12
0-55	4442.8	92.75
0-60	4519.2	94.35
0-65	4592.1	95.87
0-70	4658.8	97.26
0-75	4716.0	98.45
0-80	4758.4	99.34
0-85	4779.8	99.79
0-90	4782.6	99.84
0-95	4782.6	99.84
0-100	4782.7	99.85
0-105	4782.7	99.85
0-110	4782.8	99.85
0-115	4782.9	99.85
0-120	4783.0	99.85
0-125	4783.3	99.86
0-130	4783.6	99.86
0-135	4784.1	99.87
0-140	4784.7	99.89
0-145	4785.5	99.90
0-150	4786.4	99.92
0-155	4787.3	99.94
0-160	4788.2	99.96
0-165	4789.0	99.98
0-170	4789.6	99.99
0-175	4790.0	100.00
0-180	4790.1	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.
6. 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*****