



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/MD/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-10-3
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: PXCYL6/SM/LEL9027/KDIM120V/MD/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**

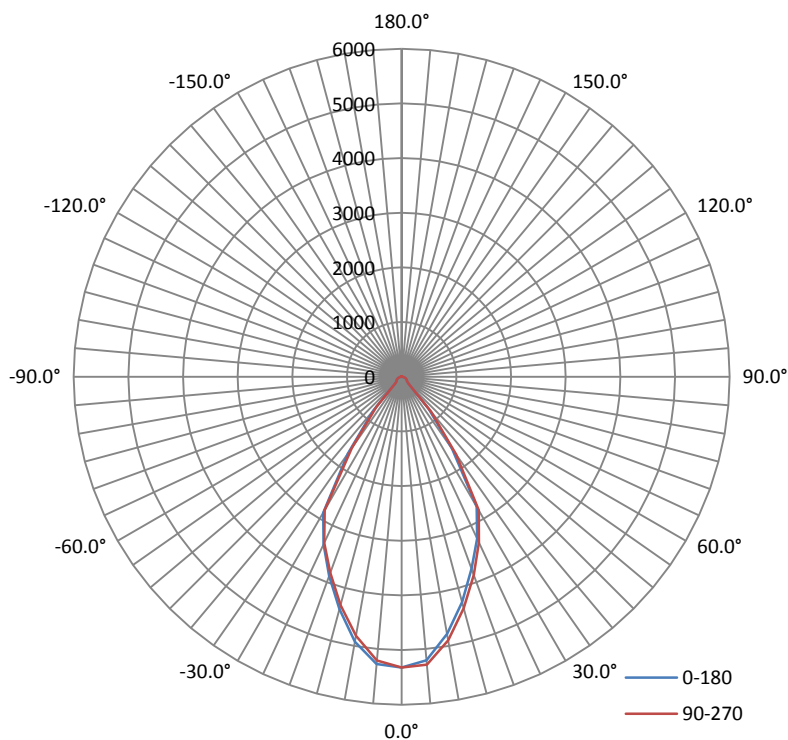
Electrical Measurement

Input Voltage (V)	Frequency (Hz)	Input Current (A)	Power (W)	Power Factor
120.0	60	0.5185	58.01	0.9323

Photometric Measurement

Luminous Flux (lm)	Efficacy (lm/W)	I _{max} (cd)	S/MH (C0/180)	S/MH (C90/270)
4769.89	82.23	5358	0.86	0.88

Luminous Intensity Distribution



	C0/180	C45/225	C90/270	C135/315	AVG.
Beam Angle (50% I _{max}):	62.0	61.8	62.1	62.1	62.0
Field Angle (10% I _{max}):	82.8	82.8	82.9	82.7	82.8

Luminous Intensity (cd) Distribution Data

C y	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°
0°	5318	5318	5318	5318	5318	5318	5318	5318
1°	5339	5323	5321	5308	5309	5308	5313	5312
2°	5358	5347	5334	5323	5312	5295	5300	5304
3°	5357	5333	5310	5313	5293	5278	5284	5295
4°	5323	5309	5283	5277	5268	5254	5244	5247
5°	5274	5262	5239	5204	5209	5189	5184	5188
6°	5218	5202	5177	5151	5143	5120	5110	5113
7°	5159	5130	5101	5086	5073	5050	5049	5046
8°	5096	5060	5032	5013	5000	4970	4967	4970
9°	5018	4985	4956	4940	4906	4886	4882	4881
10°	4923	4889	4860	4843	4814	4796	4787	4776
11°	4814	4788	4757	4735	4724	4697	4685	4672
12°	4708	4676	4656	4635	4625	4597	4584	4568
13°	4605	4564	4542	4533	4515	4496	4486	4471
14°	4500	4454	4435	4413	4419	4413	4392	4374
15°	4397	4357	4342	4308	4325	4317	4298	4279
16°	4299	4264	4234	4228	4237	4226	4199	4183
17°	4200	4156	4132	4126	4138	4136	4104	4088
18°	4093	4038	4017	4023	4033	4029	4004	3991
19°	3989	3939	3906	3908	3927	3927	3903	3880
20°	3880	3833	3804	3799	3817	3821	3803	3773
21°	3786	3735	3696	3691	3721	3721	3700	3669
22°	3688	3644	3604	3604	3619	3624	3598	3561
23°	3579	3540	3504	3505	3527	3529	3497	3464
24°	3477	3445	3407	3404	3439	3432	3399	3370
25°	3380	3355	3328	3307	3351	3341	3310	3278
26°	3305	3272	3244	3238	3262	3251	3221	3190
27°	3211	3183	3149	3145	3157	3158	3129	3094
28°	3107	3091	3056	3047	3057	3051	3025	2994
29°	2989	2970	2937	2932	2938	2929	2904	2878
30°	2872	2850	2811	2808	2815	2796	2773	2755
31°	2744	2717	2682	2679	2677	2655	2631	2624
32°	2600	2564	2517	2497	2490	2473	2468	2478
33°	2350	2299	2220	2188	2170	2156	2164	2229
34°	2010	1964	1891	1850	1825	1809	1809	1877
35°	1716	1684	1624	1600	1588	1567	1566	1597
36°	1510	1491	1442	1421	1403	1392	1383	1408
37°	1320	1295	1251	1234	1227	1215	1208	1227
38°	1142	1113	1080	1078	1065	1057	1055	1066
39°	988	950	913	913	907	898	909	920
40°	809	773	735	722	719	715	725	752
41°	615	576	576	566	563	561	568	575
42°	480	424	417	411	409	409	412	424
43°	345	271	259	256	254	257	256	275
44°	211	201	193	187	187	191	196	209
45°	158	153	147	146	146	149	154	163
46°	141	139	137	136	136	137	139	142
47°	134	133	132	132	132	132	133	135
48°	130	129	128	128	128	128	130	132

Luminous Intensity (cd) Distribution Data

C y	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°
49°	127	126	125	125	125	126	127	128
50°	125	123	123	123	123	123	124	126
51°	122	121	120	120	120	121	122	124
52°	120	119	118	118	118	118	119	121
53°	117	116	115	115	115	116	117	119
54°	115	114	113	112	113	114	114	116
55°	112	111	110	110	110	111	112	114
56°	110	109	108	108	108	108	109	111
57°	107	106	105	105	105	106	107	108
58°	105	103	103	103	103	103	105	106
59°	102	101	100	100	100	101	102	103
60°	99	98	97	97	97	98	99	101
61°	97	96	95	94	95	95	97	98
62°	94	93	92	92	92	93	94	96
63°	91	90	89	89	89	90	91	93
64°	89	88	87	86	87	87	88	90
65°	86	85	84	83	84	85	86	87
66°	83	82	81	81	81	82	82	84
67°	80	79	78	78	78	78	79	81
68°	77	76	75	75	75	75	76	77
69°	74	73	72	72	72	72	73	74
70°	71	70	69	69	69	69	70	71
71°	68	67	66	65	65	65	66	67
72°	64	63	62	62	62	62	63	64
73°	60	59	59	58	58	58	59	60
74°	57	56	55	54	54	54	55	56
75°	53	52	51	50	50	50	51	52
76°	49	48	47	46	46	46	47	48
77°	45	44	43	42	42	42	43	44
78°	41	40	39	38	38	38	39	40
79°	36	35	35	34	34	34	35	36
80°	32	31	30	30	29	30	31	32
81°	28	27	26	25	25	25	26	27
82°	23	22	21	21	21	21	22	23
83°	19	18	17	16	16	16	17	18
84°	14	13	12	12	12	12	13	14
85°	10	9	8	7	7	7	8	9
86°	7	6	5	4	4	5	6	6
87°	4	3	3	0	0	3	3	3
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	1	1	0	0
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°	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	3	3	3	3	3
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°	4	4	4	4	4	4	4	4
142°	4	4	4	4	4	4	4	4
143°	4	4	4	4	4	4	4	4
144°	4	4	4	4	5	5	5	5
145°	5	5	5	5	5	5	5	5
146°	5	5	5	5	5	5	5	5

Luminous Intensity (cd) Distribution Data

C y	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°
147°	5	5	5	5	5	5	5	5
148°	6	6	6	6	6	6	6	6
149°	6	6	6	6	6	6	6	6
150°	6	6	6	6	6	6	6	6
151°	6	6	6	6	6	6	6	6
152°	7	7	7	7	7	7	7	7
153°	7	7	7	7	7	7	7	7
154°	7	7	7	7	7	7	7	7
155°	7	7	7	7	7	7	7	7
156°	8	8	8	8	8	8	8	8
157°	8	8	8	8	8	8	8	8
158°	8	8	8	8	8	8	8	8
159°	8	8	8	8	8	8	8	8
160°	8	8	8	8	8	8	8	8
161°	8	8	8	8	8	8	9	9
162°	9	9	9	9	9	9	9	9
163°	9	9	9	9	9	9	9	9
164°	9	9	9	9	9	9	9	9
165°	9	9	9	9	9	9	9	9
166°	9	9	9	9	9	8	9	9
167°	8	8	8	8	8	8	8	8
168°	8	8	8	8	8	8	8	8
169°	8	8	8	8	8	8	8	8
170°	8	8	8	8	8	8	8	8
171°	8	8	8	8	8	8	8	8
172°	8	8	8	8	8	8	8	8
173°	8	8	8	8	8	8	8	8
174°	8	8	8	8	8	8	8	8
175°	8	8	7	7	7	7	7	7
176°	7	7	7	7	7	7	7	7
177°	7	7	7	7	7	7	7	7
178°	7	7	7	7	7	7	7	7
179°	7	7	7	7	7	7	7	7
180°	7	6	6	6	6	6	6	6

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°	5318	5318	5318	5318	5318	5318	5318	5318
1°	5320	5322	5324	5324	5334	5330	5327	5333
2°	5333	5328	5329	5340	5342	5348	5345	5343
3°	5323	5315	5319	5336	5338	5333	5343	5338
4°	5279	5277	5286	5308	5321	5308	5310	5316
5°	5206	5216	5235	5227	5285	5279	5279	5277
6°	5124	5150	5156	5194	5227	5233	5220	5213
7°	5051	5076	5083	5127	5147	5164	5160	5135
8°	4973	4989	5005	5053	5076	5098	5091	5068
9°	4881	4886	4913	4954	4997	5012	5016	4999
10°	4776	4779	4798	4857	4896	4919	4925	4912
11°	4664	4668	4694	4745	4792	4829	4840	4804
12°	4568	4565	4583	4643	4700	4722	4730	4701
13°	4462	4458	4485	4541	4590	4617	4629	4596
14°	4359	4350	4370	4433	4483	4521	4529	4486
15°	4268	4259	4253	4326	4383	4418	4434	4396
16°	4169	4164	4175	4235	4295	4321	4334	4307
17°	4063	4054	4057	4131	4192	4227	4238	4201
18°	3947	3934	3960	4031	4083	4123	4129	4099
19°	3840	3827	3850	3906	3969	4017	4031	3995
20°	3736	3720	3742	3795	3858	3913	3920	3894
21°	3629	3624	3633	3680	3754	3806	3820	3790
22°	3535	3533	3548	3588	3656	3704	3713	3688
23°	3444	3440	3452	3488	3548	3598	3606	3577
24°	3346	3347	3357	3373	3446	3490	3492	3471
25°	3265	3260	3265	3257	3342	3382	3391	3369
26°	3168	3174	3178	3179	3239	3290	3293	3281
27°	3077	3084	3087	3100	3152	3192	3200	3189
28°	2979	2990	2993	3012	3049	3087	3105	3084
29°	2868	2879	2888	2911	2949	2982	2990	2965
30°	2743	2741	2755	2785	2820	2843	2860	2839
31°	2612	2614	2634	2657	2680	2705	2722	2713
32°	2461	2471	2489	2520	2547	2562	2578	2577
33°	2230	2276	2308	2345	2380	2375	2366	2327
34°	1888	1954	2001	2051	2070	2054	2025	1980
35°	1604	1640	1687	1709	1737	1728	1718	1696
36°	1429	1457	1462	1483	1512	1513	1504	1493
37°	1253	1275	1288	1318	1339	1340	1332	1321
38°	1078	1093	1113	1152	1167	1168	1159	1148
39°	931	943	963	987	995	995	987	975
40°	766	774	801	825	834	832	824	804
41°	583	603	629	656	667	652	638	616
42°	389	413	441	472	472	453	430	414
43°	271	275	275	290	290	287	278	289
44°	209	212	214	220	222	216	210	210
45°	164	169	174	178	178	174	166	161
46°	154	146	149	152	152	148	155	151
47°	143	139	143	145	145	142	143	140
48°	132	133	137	138	138	136	132	130

Luminous Intensity (cd) Distribution Data (cont.)

C y	180°	202.5°	225°	247.5°	270°	292.5°	315°	337.5°
49°	129	130	131	131	131	130	128	127
50°	127	128	128	128	128	127	126	124
51°	124	125	126	126	126	125	123	122
52°	122	123	124	124	123	122	121	120
53°	119	120	121	121	121	120	119	117
54°	117	118	119	119	118	117	116	115
55°	114	115	116	116	116	115	113	112
56°	112	113	114	114	113	112	111	110
57°	109	110	111	111	111	110	108	107
58°	107	108	109	109	108	107	106	105
59°	104	105	106	106	106	105	103	102
60°	101	102	103	104	103	102	101	99
61°	99	100	101	101	101	99	98	97
62°	96	97	98	98	98	97	96	94
63°	93	94	95	95	95	94	93	92
64°	90	91	92	93	92	91	90	89
65°	87	88	89	90	89	88	87	86
66°	84	85	86	86	86	86	84	83
67°	81	82	83	84	83	83	81	80
68°	78	79	80	80	80	79	78	77
69°	75	76	77	77	77	76	75	74
70°	71	72	73	74	74	73	72	71
71°	68	69	70	70	70	69	68	68
72°	64	65	66	67	67	66	65	64
73°	61	62	63	63	63	62	61	60
74°	57	58	59	59	59	59	58	57
75°	53	54	55	56	55	55	54	53
76°	49	50	51	52	52	51	50	49
77°	45	46	47	48	48	47	46	45
78°	41	42	43	44	44	43	42	41
79°	37	38	39	39	39	39	38	37
80°	33	34	35	35	35	35	34	32
81°	28	30	30	31	31	30	29	28
82°	24	25	26	27	26	26	25	24
83°	19	21	22	22	22	21	20	19
84°	15	16	17	18	18	17	16	15
85°	10	11	12	13	13	12	12	10
86°	6	7	8	8	8	8	7	6
87°	2	3	4	4	4	4	3	2
88°	0	0	1	1	1	1	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°	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°	2	2	2	2	2	2	2	2
146°	2	2	2	2	2	2	2	2

Luminous Intensity (cd) Distribution Data (cont.)

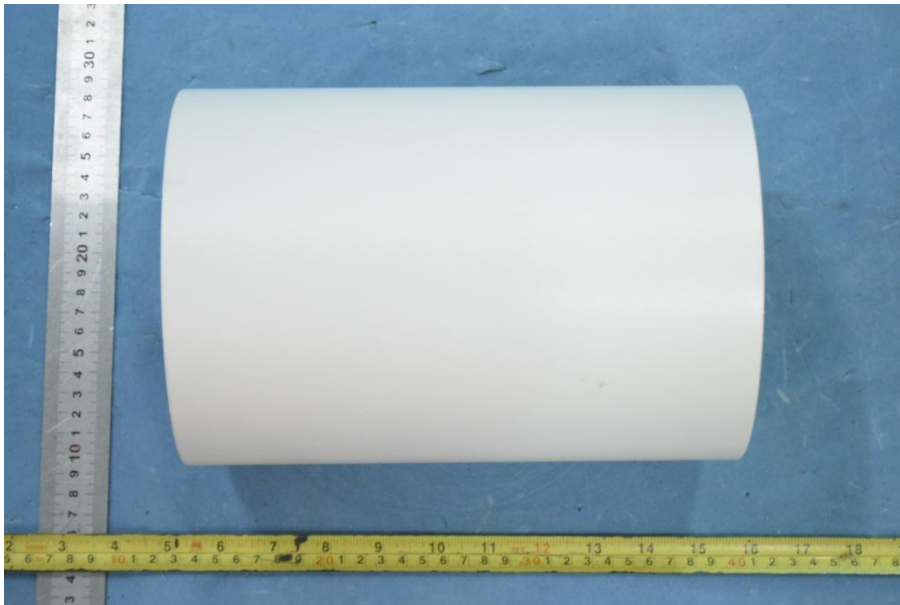
$\begin{matrix} C \\ \backslash \\ Y \end{matrix}$	180°	202.5°	225°	247.5°	270°	292.5°	315°	337.5°
147°	2	2	2	2	2	2	2	2
148°	2	2	2	2	2	2	2	2
149°	2	2	2	2	2	2	2	2
150°	2	2	2	2	2	2	2	2
151°	2	2	2	2	2	2	2	2
152°	2	2	2	2	2	2	2	2
153°	2	2	2	2	2	2	2	2
154°	3	3	3	3	3	3	3	3
155°	3	3	3	3	3	3	3	3
156°	3	3	3	3	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°	4	4	4	4	4	4	4	4
164°	4	4	4	4	4	4	4	4
165°	4	4	4	4	4	4	4	4
166°	4	4	4	4	4	4	4	4
167°	4	4	4	4	4	4	4	4
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°	5	5	5	5	5	5	5	5
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°	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°	7	7	6	6	6	6	6	6

Zonal Lumen Density Measurement

Deg	Flux (lm)	%
0-5	126.6	2.65
5-10	360.4	7.56
10-15	542.5	11.37
15-20	671.2	14.08
20-25	746.8	15.65
25-30	778.9	16.33
30-35	681.5	14.29
35-40	398.2	8.35
40-45	145.0	3.04
45-50	55.3	1.16
50-55	51.8	1.08
55-60	49.3	1.04
60-65	45.4	0.95
65-70	39.9	0.84
70-75	32.5	0.68
75-80	22.8	0.48
80-85	11.5	0.24
85-90	1.6	0.03
90-95	0.0	0.00
95-100	0.0	0.00
100-105	0.0	0.01
105-110	0.0	0.00
110-115	0.1	0.00
115-120	0.1	0.00
120-125	0.2	0.00
125-130	0.3	0.01
130-135	0.5	0.01
135-140	0.6	0.01
140-145	0.9	0.02
145-150	1.1	0.02
150-155	1.2	0.03
155-160	1.2	0.02
160-165	1.0	0.02
165-170	0.7	0.02
170-175	0.4	0.01
175-180	0.2	0.00

Deg	Flux (lm)	%
0-5	126.6	2.65
0-10	487.0	10.21
0-15	1029.6	21.58
0-20	1700.8	35.66
0-25	2447.6	51.31
0-30	3226.5	67.64
0-35	3908.0	81.93
0-40	4306.2	90.28
0-45	4451.2	93.32
0-50	4506.5	94.48
0-55	4558.3	95.56
0-60	4607.6	96.60
0-65	4653.1	97.55
0-70	4693.0	98.39
0-75	4725.5	99.07
0-80	4748.3	99.55
0-85	4759.9	99.79
0-90	4761.4	99.82
0-95	4761.5	99.82
0-100	4761.5	99.82
0-105	4761.6	99.83
0-110	4761.6	99.83
0-115	4761.7	99.83
0-120	4761.8	99.83
0-125	4761.9	99.83
0-130	4762.2	99.84
0-135	4762.7	99.85
0-140	4763.3	99.86
0-145	4764.2	99.88
0-150	4765.3	99.90
0-155	4766.4	99.93
0-160	4767.6	99.95
0-165	4768.6	99.97
0-170	4769.3	99.99
0-175	4769.7	100.00
0-180	4769.9	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*****