

LM-79-08 Test Report

For

RAB LIGHTING INC

(Brand Name : RAB)

170 Ludlow Ave , PO BOX 970, Northvale, NJ 07647-2305 USA

Model name (s) :

DLG0011 (G2NB)

Report Type: Testing and Report According to IES LM-79-2008

Type of Luminaire: Downlights

Report Date: 2023-5-29

1.1 Rated Values:	
Rated Voltage / Frequency	120V, 60HZ
Nominal Power	6W
Rated Initial Lamp Lumen	350lm (2700k) , 400lm (3000k)
Declared CCT	2700k/3000k/3500k/4000k/5000k

1.2 Test Specifications:

Test item	<ol style="list-style-type: none"> 1. Total Luminous Flux 2. Luminous Distribution Intensity 3. Luminous Efficacy 4. Correlated Color Temperature 5. Color Rendering Index 6. Chromaticity Coordinate 7. Electrical Parameters
Reference Standard	<ol style="list-style-type: none"> 1. IES LM-79-2008 Electrical and Photometric Measurements of Solid-State Lighting Products 2. ANSI C78.377-2015 Specifications for the Chromaticity of Solid State Lighting Products 3. CIE 13.3-1995 Method of Measuring and Specifying Colour Rendering Properties of Light Sources 4. CIE 15-2004 Technical Report Colorimetry 5. IESNA LM-16-93 Practical Guide to Colorimetry of Light Source 6. IESNA TM-16-05 Technical Memorandum on Light Emitting Diode (LED) Sources and Systems
Reference Work Instruction	QD25

1.3 Test Methods

<p>1) Photometric and Light Distribution Measurement – Goniophotometer Method:</p> <p>Photometric parameters were measured using the goniophotometer and software. The ambient temperature shall be maintained at 25°C ±1°C, measured at a point not more than 1 m from the sample and at the same height as the sample. The sample was operated at 120 or rated Volts AC, 60Hz. It was stabilized before measurement was made. Luminous flux, luminaire efficacy, zonal lumen were calculated from the software taken at 1°vertical intervals and 22.5°horizontal intervals.</p>
<p>2) Chromaticity Measurement – Sphere-Spectroradiometer Method:</p> <p>Chromaticity parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at 25°C ±1°C. The sample measurements were made using a spectroradiometer connected by a fiber optic cable and detector through the detector port of the integrating sphere. The sample was operated at 120 or rated Volts AC, 60Hz. It was stabilized before measurement was made. Chromaticity coordinates, correlated color temperature and color rendering index were calculated from the spectral power distribution taken at 5 nm intervals over the range of 380 to 780 nm.</p>
<p>3) Electrical Measurements:</p> <p>Electrical parameters were measured using power meters incorporated in goniophotometer or sphere-spectroradiometer system. The ambient temperature surrounding the sample was maintained at 25°C±1°C. The sample was operated at 120 or rated Volts AC, 60Hz. It was stabilized before measurement was made. Voltage, frequency, current, power, power factor and total harmonic distortion were measured by and read from the power meter.</p>

2.1.1 Electrical, Photometric and Chromaticity Measurements

Test date	2023-5-29	Test Ambient:	25.3
Test Orientation	As intended	Stabilization Time (min)	15
Model Number	DLG0011 (G2NB)	CCT Setting	2700k

Electrical Measurement:

Sampel No.	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
#1	120	60	0.05196	6.043	0.9654

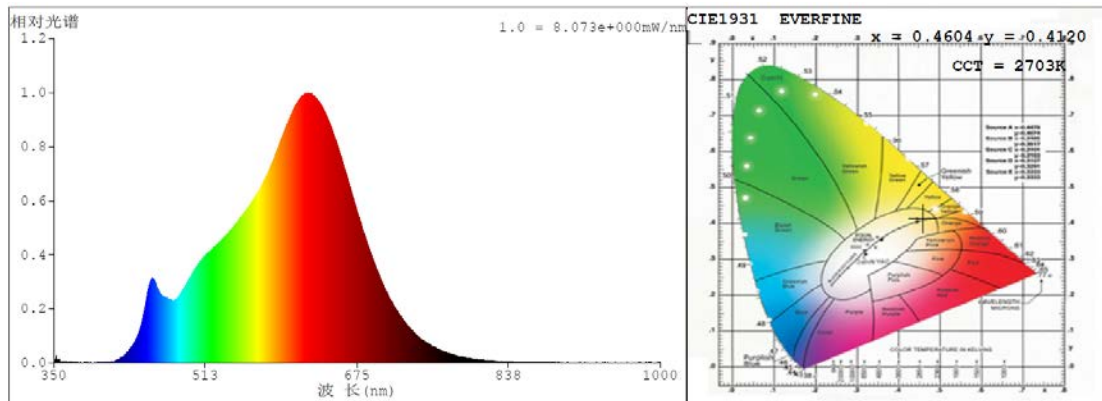
Chromaticity Measurement – Sphere-Spectroradiometer Method:

Parameter	Result	Special Color Rendering Indices			
Test Voltage (V)	120	R1	96	R9	64
Frequency (Hz)	60	R2	100	R10	99
CCT (K)	2703	R3	97	R11	98
Duv	0.0005	R4	95	R12	89
Chromaticity (x, y)	x=0.4604, y=0.412	R5	96	R13	97
Chromaticity (u', v')	u' =0.2622, v' =0.528	R6	97	R14	99
Color Rendering Index (CRI)	94.2	R7	91	R15	91
R9	64	R8	83	--	--

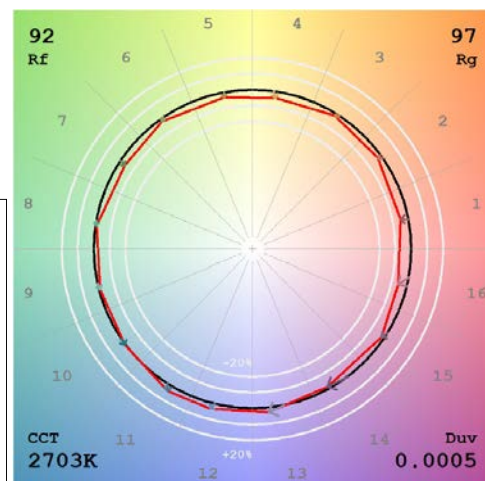
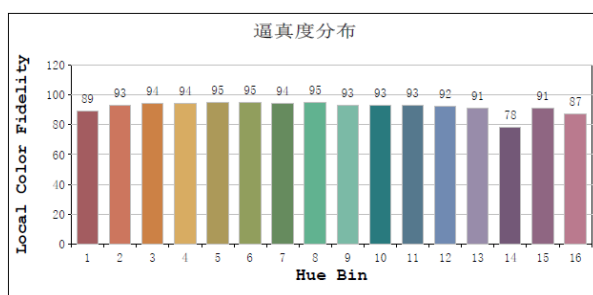
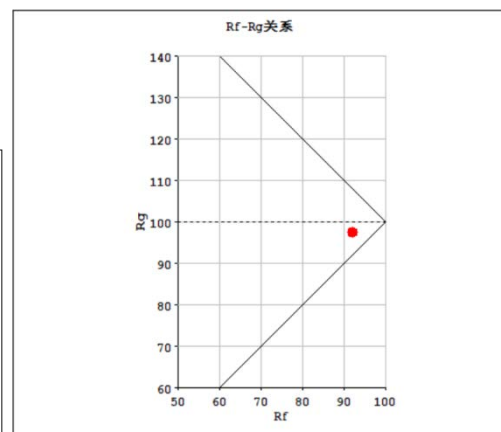
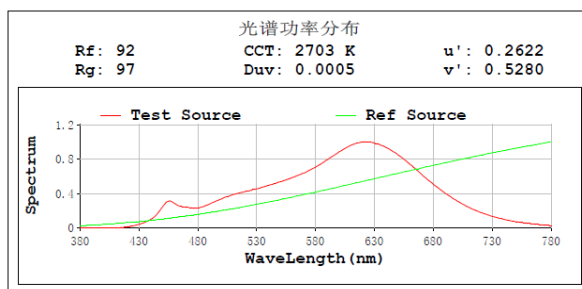
Photometric Measurement – Goniophotometer Method:

Parameter	Result
Test Voltage (V)	120
Frequency (Hz)	60
Total Luminous (lm)	377.22
Luminous Efficacy (lm/W)	62.56
Beam Angle (°)	20.9
Center Beam Candle Power (cd)	1760

Spectral Power Distribution & Chromaticity Diagram



TM30

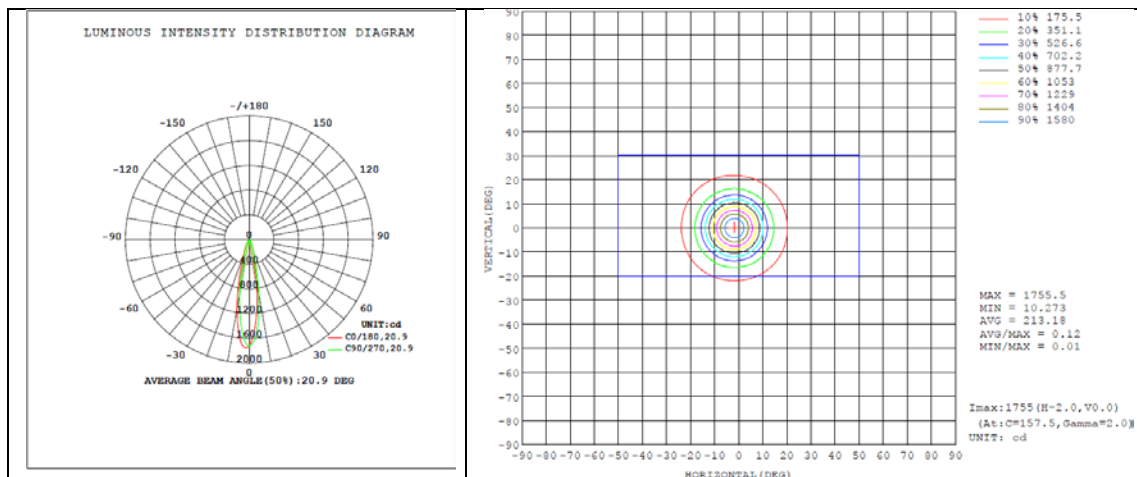


Zonal Lumen Tabulation

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	308.9	81.9%
0-40	338.4	89.7%
0-60	366.7	97.2%
60-90	10.6	2.8%
70-100	3.8	1%
90-120	0.0	0%
0-90	377.2	100%
90-180	0.0	0%
0-180	377.2	100%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	121.8	32.3%	90-100	0	0%
10-20	127.1	33.7%	100-110	0	0%
20-30	60.0	15.9%	110-120	0	0%
30-40	29.4	7.8%	120-130	0	0%
40-50	17.0	4.5%	130-140	0	0%
50-60	11.3	3%	140-150	0	0%
60-70	6.8	1.8%	150-160	0	0%
70-80	3.8	1%	160-170	0	0%
80-90	0.4	0.1%	170-180	0	0%

Photometric Data



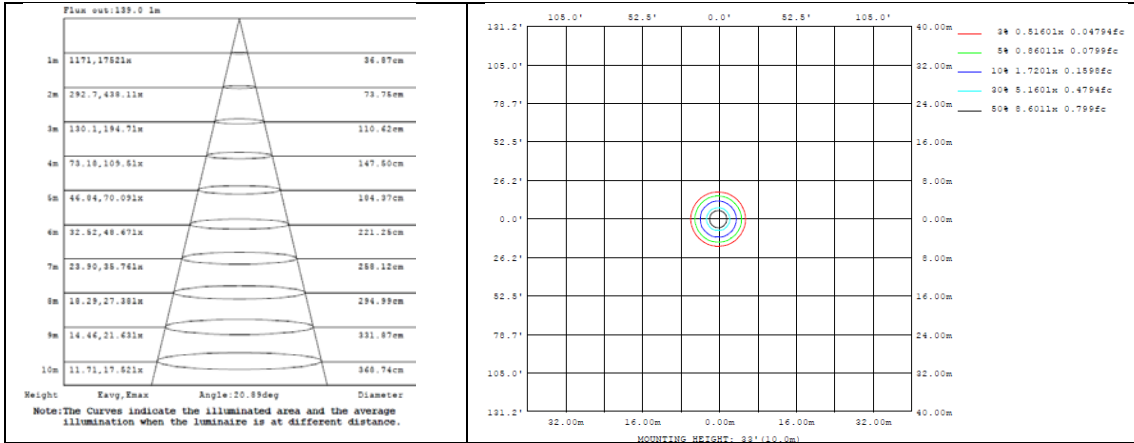


Table--1

UNIT: cd

y (DEG)	C (DEG)																			
	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5				
0	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721				
5	1296	1315	1356	1411	1467	1539	1591	1636	1645	1616	1582	1500	1442	1379	1341	1307				
10	708	733	777	853	924	1012	1075	1133	1139	1107	1058	966	899	823	772	726				
15	327	339	357	391	425	477	524	576	591	558	515	454	410	367	348	332				
20	179	183	194	205	222	238	258	278	280	270	258	233	211	196	184	181				
25	104	107	111	118	125	135	144	151	154	152	144	133	121	112	107	104				
30	61.2	62.9	65.4	69.3	73.5	78.9	83.1	88.6	90.3	87.8	84.2	76.7	71.2	66.2	63.5	61.3				
35	38.7	39.6	41.2	43.3	45.4	48.3	50.8	53.5	53.9	52.4	50.6	46.9	44.1	41.5	39.8	38.7				
40	26.7	27.3	28.3	29.4	30.4	32.0	33.4	34.8	34.8	34.2	33.1	31.2	29.6	28.3	27.4	26.7				
45	19.6	20.0	20.6	21.3	22.1	23.1	23.9	24.7	24.7	24.1	23.6	22.5	21.6	20.7	20.0	19.7				
50	14.6	14.8	15.3	15.9	16.5	17.5	17.8	18.3	18.3	18.0	17.6	16.9	16.2	15.5	15.0	14.6				
55	10.9	11.2	11.4	11.8	12.3	12.9	13.3	13.6	13.7	13.4	13.2	12.6	12.2	11.6	11.2	11.0				
60	8.26	8.40	8.64	8.89	9.29	9.70	9.94	10.2	10.2	10.1	9.97	9.53	9.27	8.86	8.55	8.38				
65	6.03	6.09	6.28	6.56	6.85	7.20	7.38	7.60	7.67	7.56	7.39	7.05	6.80	6.51	6.26	6.11				
70	4.31	4.34	4.46	4.64	4.88	5.11	5.25	5.40	5.47	5.38	5.24	5.00	4.82	4.61	4.42	4.37				
75	2.60	2.64	2.75	2.91	3.12	3.36	3.49	3.62	3.69	3.60	3.45	3.24	3.06	2.84	2.67	2.62				
80	1.06	1.09	1.17	1.30	1.49	1.64	1.77	1.85	1.91	1.85	1.73	1.55	1.24	1.25	1.11	1.08				
85	0.08	0.07	0.16	0.19	0.25	0.33	0.45	0.48	0.51	0.51	0.42	0.37	0.17	0.20	0.10	0.10				
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

2.1.2 Electrical, Photometric and Chromaticity Measurements

Test date	2023-5-29	Test Ambient:	25.3
Test Orientation	As intended	Stabilization Time (min)	15
Model Number	DLG0011 (G2NB)	CCT Setting	3000k

Electrical Measurement:

Sampel No.	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
#1	120	60	0.05071	5.886	0.9635

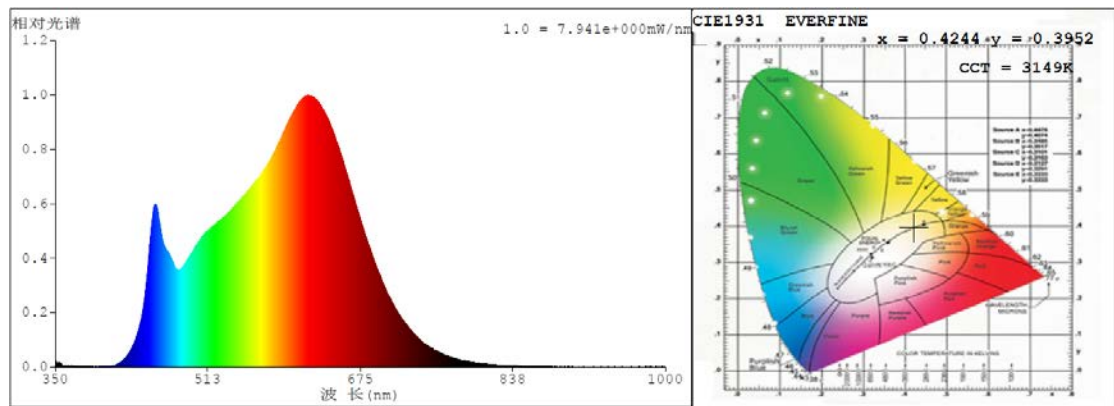
Chromaticity Measurement - Sphere-Spectroradiometer Method:

Parameter	Result	Special Color Rendering Indices			
Test Voltage (V)	120	R1	98	R9	73
Frequency (Hz)	60	R2	98	R10	96
CCT (K)	3149	R3	96	R11	98
Duv	-0.0018	R4	95	R12	83
Chromaticity (x, y)	x=0.4244, y=0.3952	R5	97	R13	99
Chromaticity (u', v')	u' =0.2463, v' =0.5159	R6	94	R14	98
Color Rendering Index (CRI)	94.3	R7	91	R15	94
R9	73	R8	86	--	--

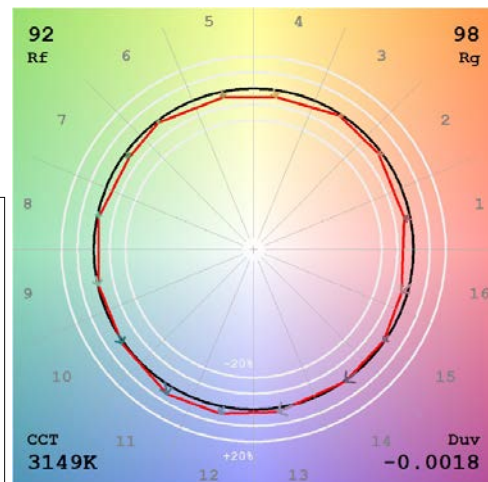
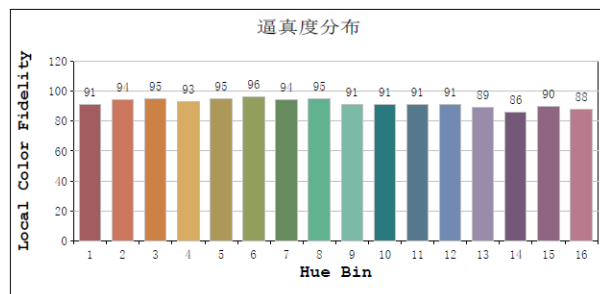
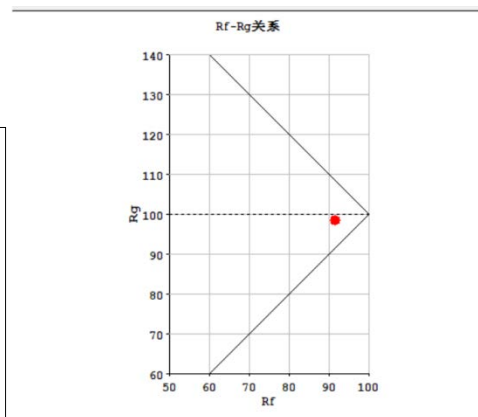
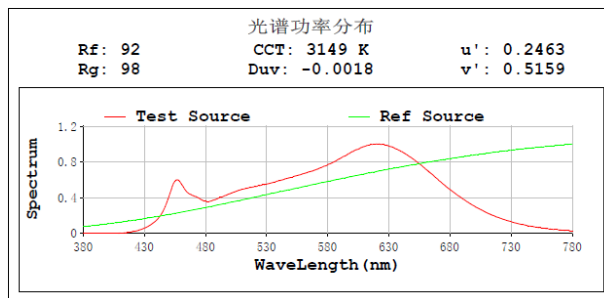
Photometric Measurement – Goniophotometer Method:

Parameter	Result
Test Voltage (V)	120
Frequency (Hz)	60
Total Luminous (lm)	416.18
Luminous Efficacy (lm/W)	70.81
Beam Angle (°)	21.0
Center Beam Candle Power (cd)	1925

Spectral Power Distribution & Chromaticity Diagram



TM30

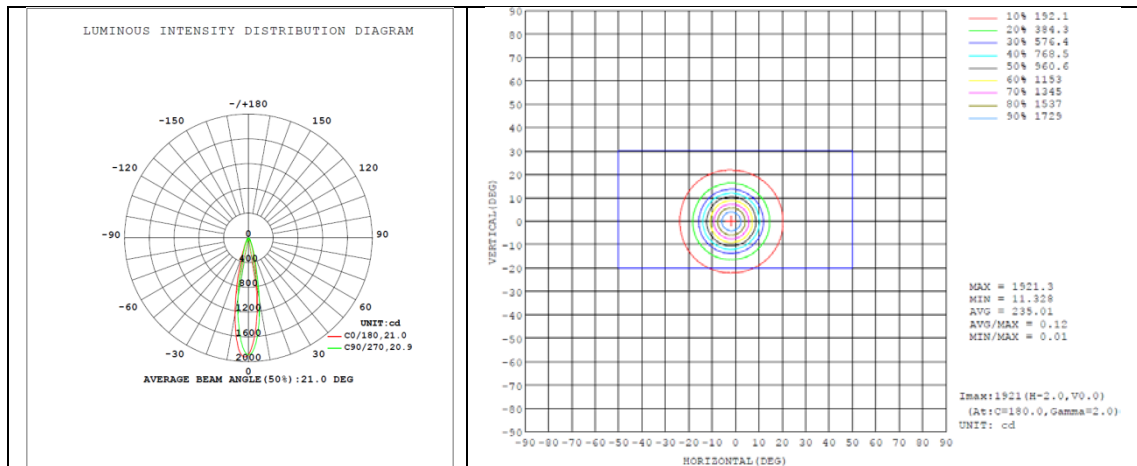


Zonal Lumen Tabulation

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	340.4	81.8%
0-40	372.9	89.6%
0-60	404.5	97.2%
60-90	11.7	2.8%
70-100	0.4	0.1%
90-120	0.0	0%
0-90	416.2	100%
90-180	0.0	0%
0-180	416.2	100%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	134.0	32.20%	90-100	0	0%
10-20	139.8	33.60%	100-110	0	0%
20-30	66.2	15.90%	110-120	0	0%
30-40	32.5	7.80%	120-130	0	0%
40-50	19.1	4.60%	130-140	0	0%
50-60	12.5	3.00%	140-150	0	0%
60-70	7.5	1.80%	150-160	0	0%
70-80	0.4	0.10%	160-170	0	0%
80-90	0.0	0.00%	170-180	0	0%

Photometric Data



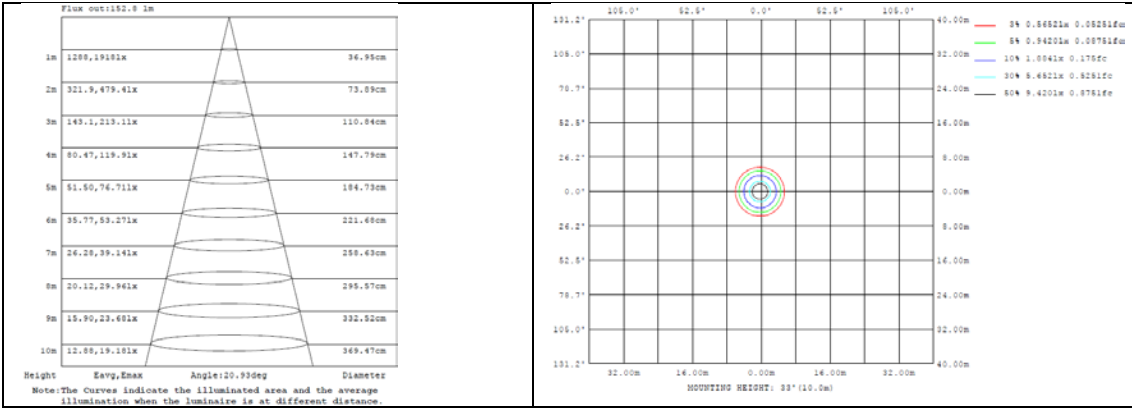


Table--1

UNIT: cd

y (DEG)	C (DEG)																			
	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5				
0	1887	1887	1887	1887	1887	1887	1887	1887	1887	1887	1887	1887	1887	1887	1887	1887				
5	1426	1454	1483	1555	1620	1698	1751	1802	1811	1773	1735	1654	1583	1513	1466	1433				
10	786	819	849	940	1020	1122	1189	1248	1254	1206	1159	1066	985	900	847	794				
15	364	377	393	431	471	531	582	641	652	608	566	502	451	403	382	366				
20	199	204	214	227	246	270	288	306	307	294	283	257	233	216	203	199				
25	114	118	122	130	141	150	160	167	169	166	158	147	134	124	118	114				
30	67.9	70.1	71.9	76.7	81.3	88.2	93.1	98.1	99.5	96.0	92.6	85.0	78.9	73.7	70.2	67.1				
35	43.0	44.0	45.2	48.0	50.4	53.9	56.6	59.3	59.5	57.6	55.7	51.9	48.9	46.1	44.0	42.6				
40	29.7	30.4	31.0	32.5	33.9	35.8	37.2	38.5	38.5	37.5	36.6	34.5	32.8	31.3	30.3	29.4				
45	21.7	22.2	22.7	23.6	24.5	25.8	26.4	27.3	27.3	26.7	26.0	24.9	23.9	23.0	22.1	21.6				
50	16.2	16.5	16.8	17.6	18.3	19.3	19.8	20.3	20.2	19.8	19.4	18.6	17.9	17.1	16.5	16.1				
55	12.1	12.3	12.5	13.1	13.6	14.3	14.7	15.1	15.1	14.8	14.5	14.0	13.5	12.8	12.3	12.1				
60	9.16	9.32	9.48	9.90	10.3	10.8	11.0	11.3	11.3	11.1	11.0	10.6	10.3	9.77	9.43	9.19				
65	6.67	6.80	6.91	7.25	7.58	7.97	8.17	8.42	8.48	8.34	8.13	7.81	7.55	7.19	6.94	6.72				
70	4.79	4.86	4.91	5.14	5.39	5.69	5.83	6.00	6.06	5.94	5.78	5.55	5.34	5.11	4.89	4.78				
75	2.90	2.97	3.03	3.24	3.47	3.74	3.87	4.02	4.07	3.94	3.81	3.60	3.39	3.13	2.96	2.89				
80	1.20	1.24	1.30	1.46	1.66	1.86	1.98	2.08	2.12	2.03	1.91	1.73	1.42	1.38	1.23	1.19				
85	0.10	0.10	0.19	0.23	0.34	0.40	0.52	0.56	0.59	0.56	0.48	0.41	0.17	0.23	0.12	0.12				
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

2.1.3 Electrical, Photometric and Chromaticity Measurements

Test date	2023-5-29	Test Ambient:	25.3
Test Orientation	As intended	Stabilization Time (min)	15
Model Number	DLG0011 (G2NB)	CCT Setting	3500k

Electrical Measurement:

Sampel No.	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
#1	120	60	0.04963	5.75	0.9618

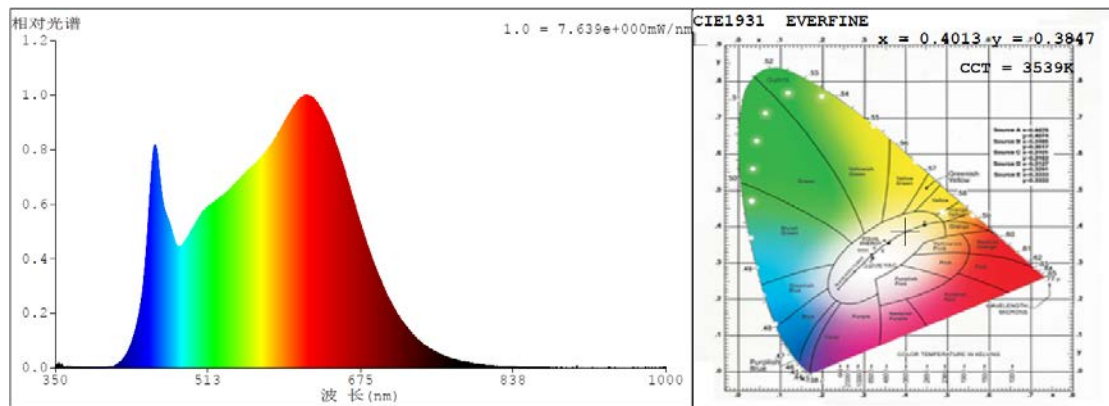
Chromaticity Measurement - Sphere-Spectroradiometer Method:

Parameter	Result	Special Color Rendering Indices			
Test Voltage (V)	120	R1	98	R9	76
Frequency (Hz)	60	R2	98	R10	96
CCT (K)	3539	R3	96	R11	97
Duv	-0.0018	R4	94	R12	80
Chromaticity (x, y)	x=0.4013, y=0.3847	R5	96	R13	99
Chromaticity (u', v')	u' =0.2356, v' =0.5081	R6	94	R14	98
Color Rendering Index (CRI)	94.5	R7	91	R15	95
R9	76	R8	88	--	--

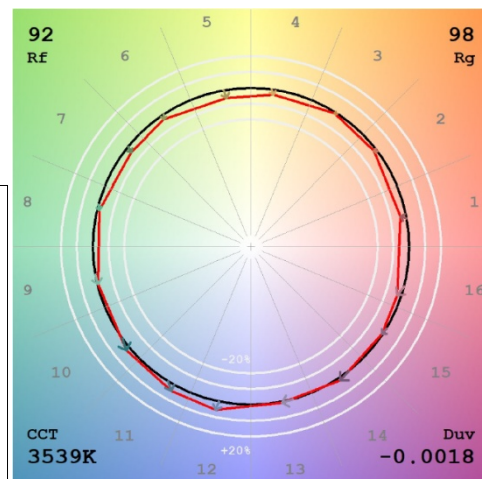
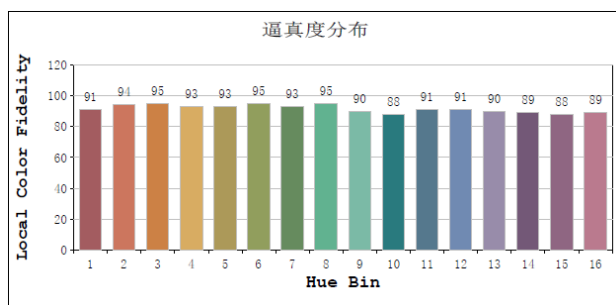
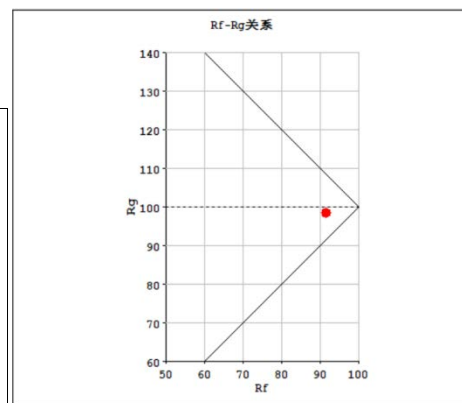
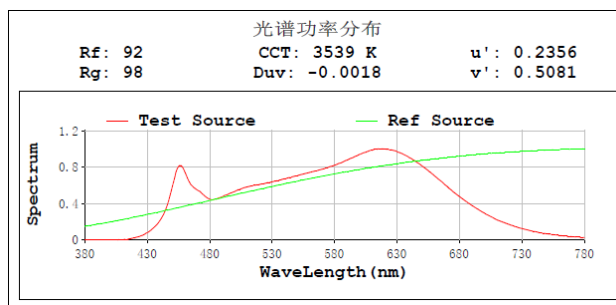
Photometric Measurement – Goniophotometer Method:

Parameter	Result
Test Voltage (V)	120
Frequency (Hz)	60
Total Luminous (lm)	438.98
Luminous Efficacy (lm/W)	76.36
Beam Angle (°)	21
Center Beam Candle Power (cd)	2022

Spectral Power Distribution & Chromaticity Diagram



TM30

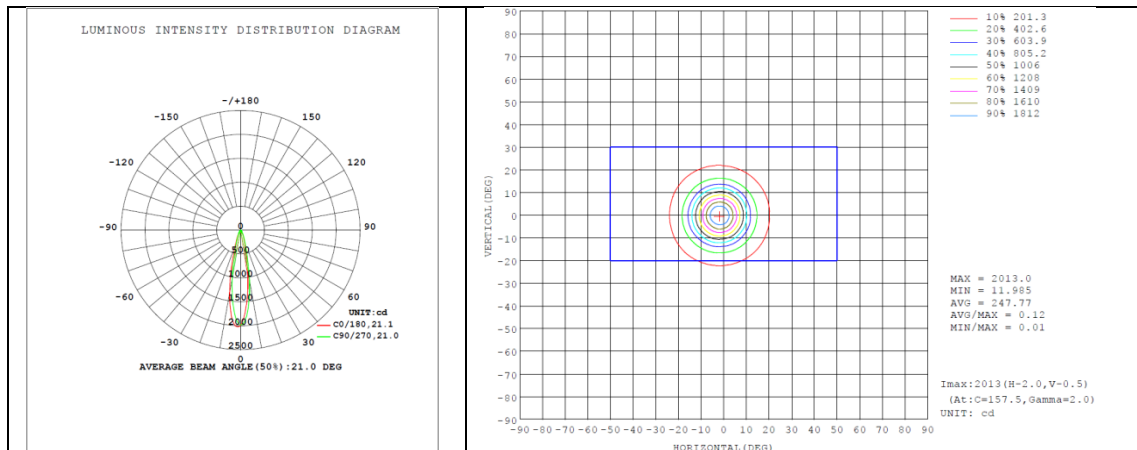


Zonal Lumen Tabulation

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	358.6	81.70%
0-40	393.3	89.60%
0-60	426.7	97.20%
60-90	12.3	2.80%
70-100	4.4	1.00%
90-120	0.0	0.0%
0-90	439.0	100.0%
90-180	0.0	0.0%
0-180	439.0	100%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	141.8	32.31%	90-100	0	0%
10-20	147.9	33.70%	100-110	0	0%
20-30	69.8	15.90%	110-120	0	0%
30-40	34.7	7.90%	120-130	0	0%
40-50	20.2	4.60%	130-140	0	0%
50-60	13.2	3.0%	140-150	0	0%
60-70	7.9	1.8%	150-160	0	0%
70-80	4.0	0.9%	160-170	0	0%
80-90	0.0	0%	170-180	0	0%

Photometric Data



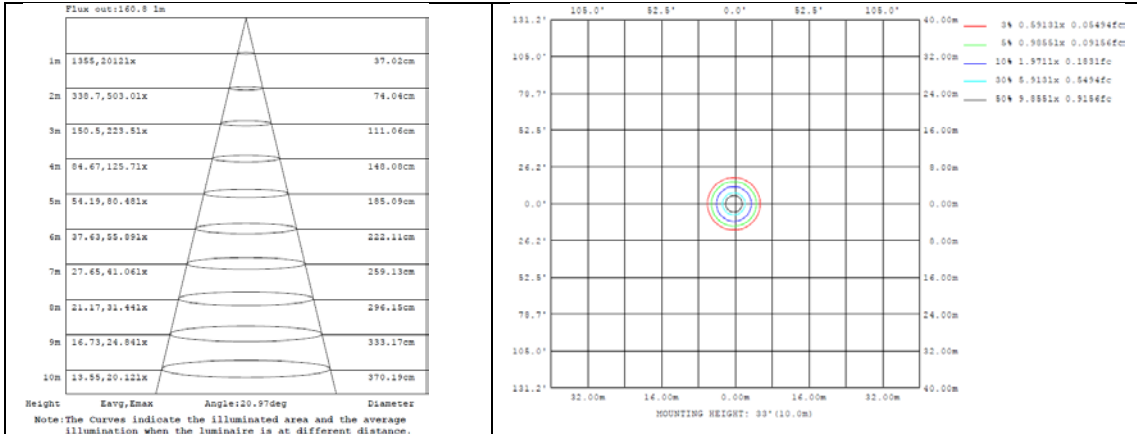


Table--1

UNIT: cd

γ (DEG)	C (DEG)																			
	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5				
0	1981	1981	1981	1981	1981	1981	1981	1981	1981	1981	1981	1981	1981	1981	1981	1981				
5	1497	1524	1555	1632	1702	1780	1830	1893	1913	1880	1827	1742	1664	1592	1546	1512				
10	824	854	897	988	1070	1176	1248	1315	1327	1276	1218	1117	1039	951	891	840				
15	383	392	413	453	496	557	615	676	698	650	596	527	477	426	403	388				
20	209	212	224	239	259	285	304	324	327	313	298	271	246	229	215	211				
25	120	124	130	137	148	159	170	176	180	176	166	154	141	133	125	121				
30	71.2	73.4	75.7	80.9	86.2	93.6	98.6	104	106	102	97.3	89.2	83.5	78.0	74.4	71.1				
35	45.2	46.3	47.7	50.5	53.3	57.3	59.9	62.7	63.3	61.5	58.9	54.7	51.7	48.9	46.9	45.1				
40	31.2	31.9	32.7	34.3	35.8	37.8	39.4	40.7	40.9	40.0	38.6	36.4	34.8	33.2	32.2	31.2				
45	22.9	23.3	23.9	24.9	25.9	27.2	28.0	28.8	29.0	28.3	27.5	26.3	25.3	24.2	23.4	22.9				
50	17.1	17.3	17.7	18.6	19.4	20.4	20.9	21.5	21.5	21.0	20.6	19.6	18.9	18.1	17.5	17.0				
55	12.7	13.0	13.3	13.8	14.4	15.1	15.6	15.9	16.0	15.7	15.3	14.7	14.2	13.6	13.0	12.8				
60	9.65	9.80	10.0	10.4	10.9	11.4	11.6	11.9	12.1	11.9	11.6	11.2	10.8	10.4	9.97	9.74				
65	7.05	7.14	7.31	7.65	8.04	8.46	8.64	8.94	9.03	8.88	8.61	8.22	7.97	7.61	7.32	7.15				
70	5.05	5.12	5.21	5.42	5.72	6.01	6.17	6.34	6.46	6.33	6.10	5.86	5.64	5.39	5.19	5.09				
75	3.05	3.11	3.20	3.41	3.67	3.97	4.11	4.26	4.35	4.24	4.05	3.79	3.60	3.30	3.15	3.06				
80	1.25	1.28	1.38	1.54	1.76	1.95	2.09	2.22	2.27	2.20	2.04	1.83	1.46	1.46	1.32	1.27				
85	0.11	0.11	0.20	0.24	0.36	0.42	0.56	0.60	0.65	0.63	0.52	0.44	0.23	0.26	0.14	0.13				
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

2.1.4 Electrical, Photometric and Chromaticity Measurements

Test date	2023-5-29	Test Ambient:	25.3
Test Orientation	As intended	Stabilization Time (min)	15
Model Number	DLG0011 (G2NB)	CCT Setting	4000k

Electrical Measurement:

Sampel No.	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
#1	120	60	0.05018	5.82	0.9627

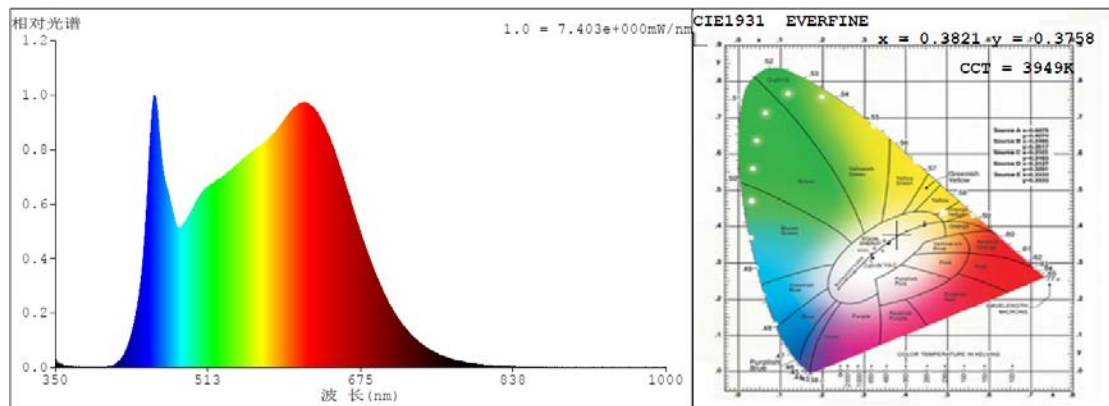
Chromaticity Measurement - Sphere-Spectroradiometer Method:

Parameter	Result	Special Color Rendering Indices			
Test Voltage (V)	120	R1	97	R9	75
Frequency (Hz)	60	R2	98	R10	98
CCT (K)	3949	R3	96	R11	96
Duv	-0.0009	R4	93	R12	77
Chromaticity (x, y)	x=0.3821, y=0.3758	R5	95	R13	99
Chromaticity (u', v')	u' =0.2265, v' =0.5014	R6	95	R14	99
Color Rendering Index (CRI)	94.4	R7	92	R15	94
R9	75	R8	88	--	--

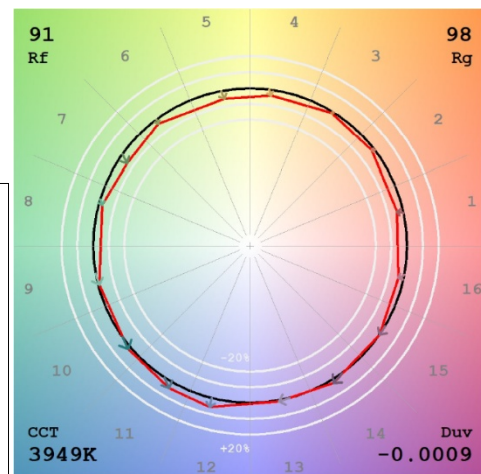
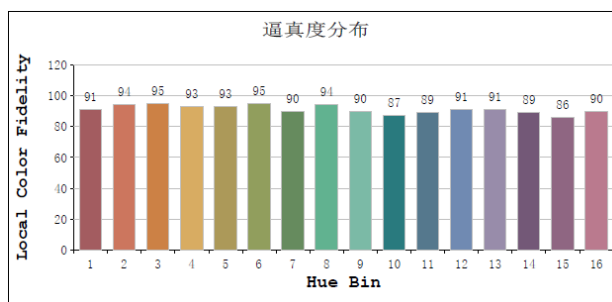
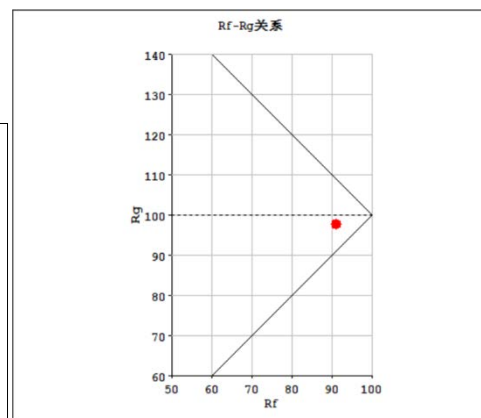
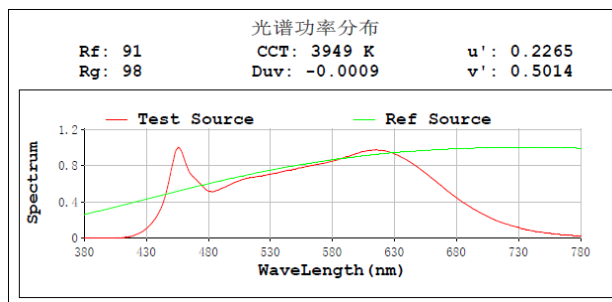
Photometric Measurement – Goniophotometer Method:

Parameter	Result
Test Voltage (V)	120
Frequency (Hz)	60
Total Luminous (lm)	449.28
Luminous Efficacy (lm/W)	77.19
Beam Angle (°)	21.1
Center Beam Candle Power (cd)	2060

Spectral Power Distribution & Chromaticity Diagram



TM30

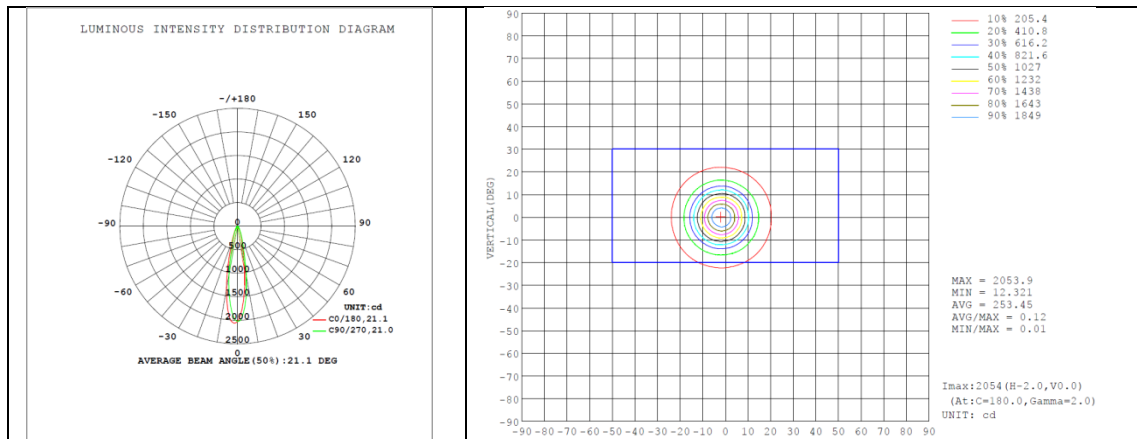


Zonal Lumen Tabulation

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	367.1	81.70%
0-40	402.6	89.60%
0-60	436.7	97.20%
60-90	12.6	2.80%
70-100	4.5	1.00%
90-120	0.0	0.0%
0-90	449.3	100.0%
90-180	0.0	0.0%
0-180	449.3	100%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	143.8	32.00%	90-100	0	0%
10-20	151.9	33.80%	100-110	0	0%
20-30	71.4	15.90%	110-120	0	0%
30-40	35.5	7.90%	120-130	0	0%
40-50	20.7	4.60%	130-140	0	0%
50-60	13.5	3.0%	140-150	0	0%
60-70	8.1	1.8%	150-160	0	0%
70-80	0.4	0.1%	160-170	0	0%
80-90	0.0	0%	170-180	0	0%

Photometric Data



2.1.5 Electrical, Photometric and Chromaticity Measurements

Test date	2023-5-29	Test Ambient:	25.3
Test Orientation	As intended	Stabilization Time (min)	15
Model Number	DLG0011 (G2NB)	CCT Setting	5000k

Electrical Measurement:

Sampel No.	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
#1	120	60	0.05195	6.041	0.9653

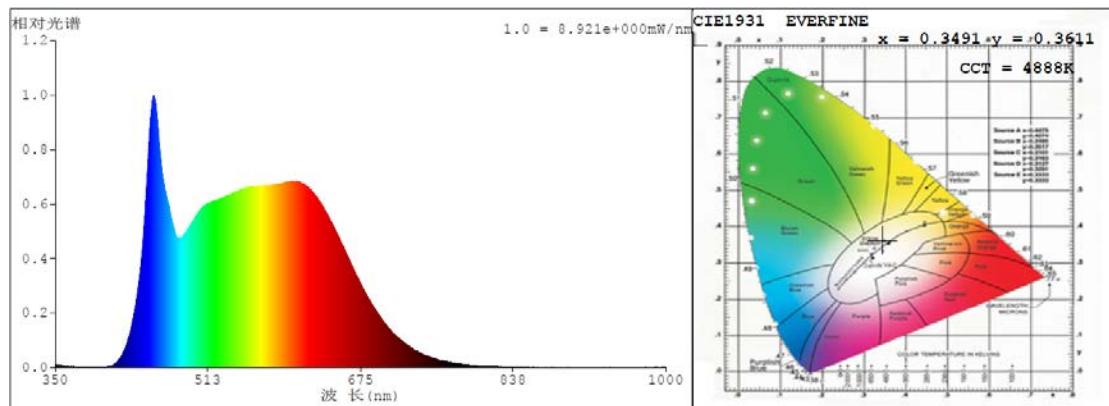
Chromaticity Measurement - Sphere-Spectroradiometer Method:

Parameter	Result	Special Color Rendering Indices			
Test Voltage (V)	120	R1	93	R9	62
Frequency (Hz)	60	R2	98	R10	95
CCT (K)	4888	R3	97	R11	90
Duv	0.0031	R4	89	R12	70
Chromaticity (x, y)	x=0.3491, y=0.3611	R5	91	R13	95
Chromaticity (u', v')	u' =0.2105, v' =0.4898	R6	95	R14	99
Color Rendering Index (CRI)	92.4	R7	91	R15	89
R9	62	R8	84	--	--

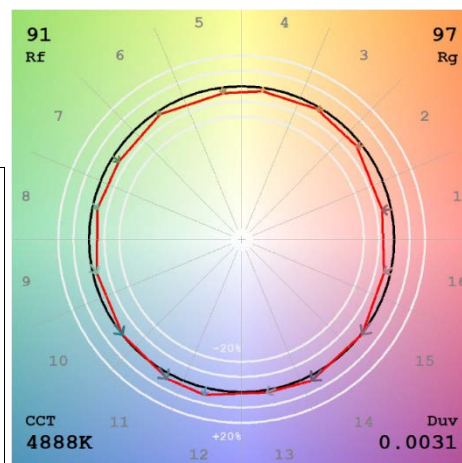
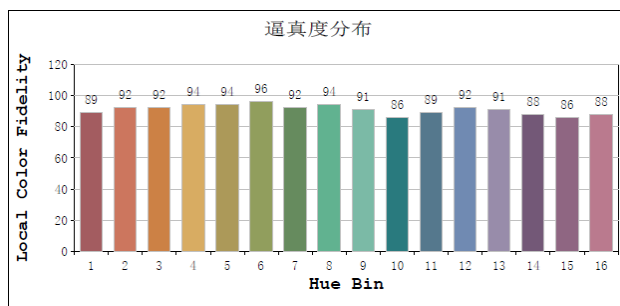
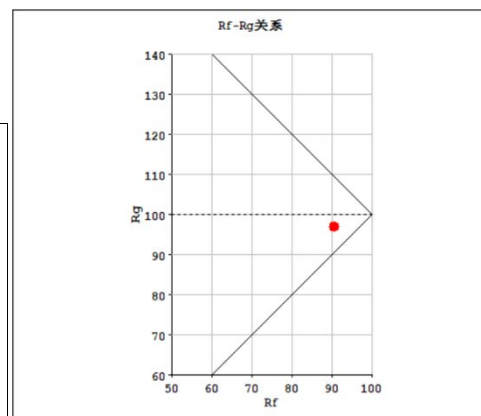
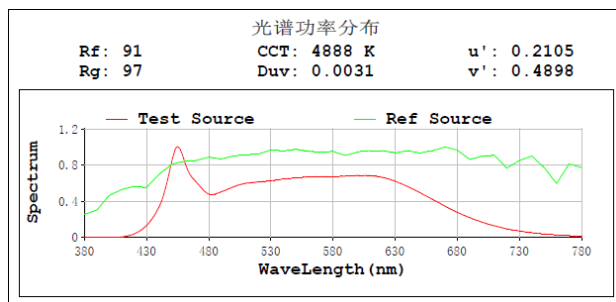
Photometric Measurement – Goniophotometer Method:

Parameter	Result
Test Voltage (V)	120
Frequency (Hz)	60
Total Luminous (lm)	439.92
Luminous Efficacy (lm/W)	72.86
Beam Angle (°)	21.1
Center Beam Candle Power (cd)	1999

Spectral Power Distribution & Chromaticity Diagram



TM30

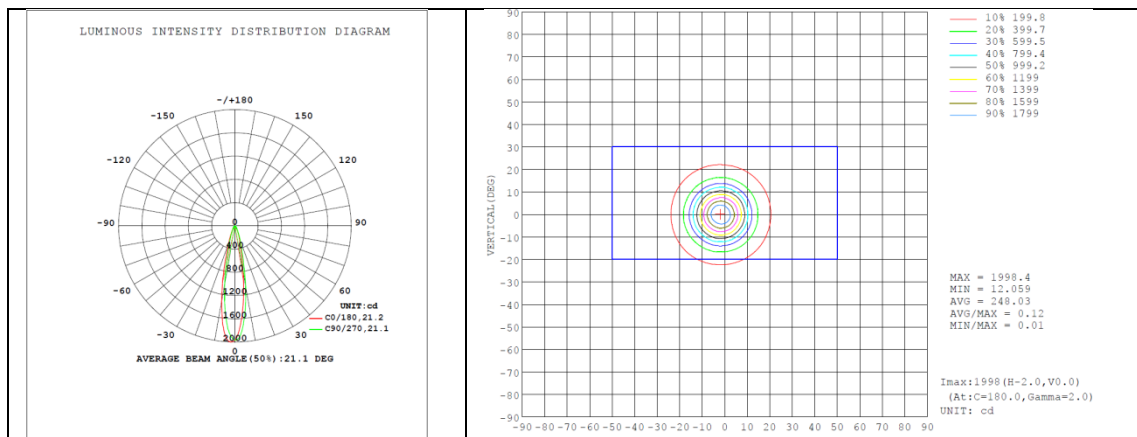


Zonal Lumen Tabulation

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	359.0	81.60%
0-40	393.7	89.50%
0-60	427.6	97.20%
60-90	12.3	2.80%
70-100	4.4	1.00%
90-120	0.0	0.0%
0-90	439.9	100.0%
90-180	0.0	0.0%
0-180	439.9	100%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	140.3	31.90%	90-100	0	0%
10-20	148.7	33.80%	100-110	0	0%
20-30	69.9	15.90%	110-120	0	0%
30-40	34.8	7.90%	120-130	0	0%
40-50	20.7	4.70%	130-140	0	0%
50-60	13.2	3.0%	140-150	0	0%
60-70	7.9	1.8%	150-160	0	0%
70-80	4.0	0.9%	160-170	0	0%
80-90	0.4	0%	170-180	0	0%

Photometric Data



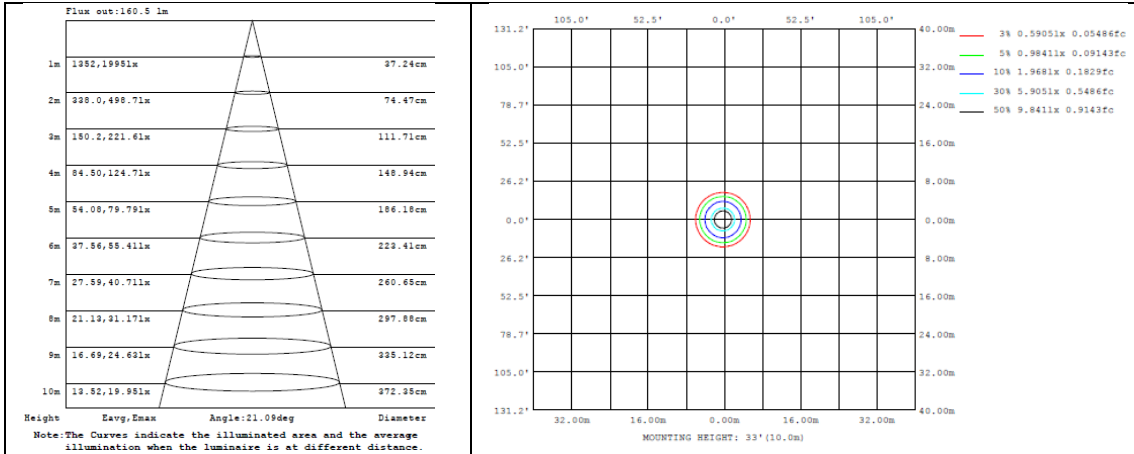


Table-1 UNIT: cd

C (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5
0	1968	1968	1968	1968	1968	1968	1968	1968	1968	1968	1968	1968	1968	1968	1968	1968
5	1490	1515	1557	1630	1696	1773	1825	1883	1902	1878	1835	1740	1662	1594	1547	1508
10	831	854	900	987	1070	1172	1243	1308	1317	1266	1209	1115	1036	957	902	850
15	383	394	416	456	498	559	613	676	690	647	594	530	478	431	408	391
20	210	212	225	240	261	288	305	323	323	310	297	272	247	232	219	213
25	120	123	130	138	149	161	172	177	178	175	166	155	143	136	128	122
30	71.5	73.7	76.5	81.4	87.0	95.4	100	104	105	102	97.7	90.0	84.7	79.7	75.9	71.9
35	45.4	46.6	48.3	50.6	53.9	58.2	60.9	62.7	63.2	61.6	59.2	54.9	52.2	50.0	47.6	45.5
40	31.5	32.1	33.1	34.5	36.1	38.6	39.9	40.9	41.0	40.1	38.9	36.7	35.1	33.8	32.7	31.4
45	23.1	23.6	24.2	25.2	26.2	27.6	28.4	29.0	29.1	28.4	27.7	26.5	25.4	24.6	23.8	23.1
50	17.2	17.5	18.0	18.7	19.5	20.6	21.2	21.6	21.6	21.2	20.7	19.8	19.1	18.3	17.7	17.2
55	12.8	13.0	13.4	14.0	14.6	15.3	15.7	16.0	16.1	15.8	15.5	14.9	14.3	13.7	13.2	12.9
60	9.73	9.86	10.1	10.5	10.9	11.5	11.7	12.0	12.1	11.9	11.7	11.3	10.9	10.5	10.1	9.84
65	7.11	7.19	7.37	7.72	8.06	8.54	8.73	8.97	9.06	8.89	8.65	8.32	8.02	7.70	7.41	7.20
70	5.09	5.13	5.23	5.50	5.76	6.08	6.22	6.39	6.48	6.36	6.16	5.91	5.71	5.46	5.25	5.12
75	3.09	3.11	3.23	3.47	3.71	4.00	4.13	4.29	4.37	4.24	4.07	3.82	3.64	3.37	3.18	3.10
80	1.27	1.30	1.40	1.55	1.77	1.98	2.11	2.22	2.29	2.20	2.06	1.86	1.49	1.48	1.34	1.27
85	0.11	0.11	0.21	0.25	0.33	0.43	0.56	0.60	0.64	0.63	0.53	0.45	0.23	0.26	0.15	0.14
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Model Number	CCT setting	Test Voltage(V)	Flux(lm)	P(W)	Luminous Efficacy lm/W
DLG0011 (G2NB)	2700K setting	120	377.22	6.03	62.56
	3000K setting	120	416.18	5.88	70.81
	3500K setting	120	438.98	5.75	76.36
	4000K setting	120	449.28	5.82	77.19
	5000K setting	120	439.92	6.04	72.86