

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) :

DLG0013(G4)

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

Type of Luminaire: Downlights

Report Date: 2023-6-17

1.1 Rated Values:	
Rated Voltage / Frequency	120V, 60HZ
Nominal Power	15W
Rated Initial Lamp Lumen	950lm (2700k) , 1000lm (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	2023-6-17	Test Ambient:	25.3
Test Orientation	As intended	Stabilization Time (min)	15
Model Number	DLG0013 (G4)	CCT Setting	2700k

Electrical Measurement:

Sampel No.	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
#1	120	60	0.1212	14.35	0.9832

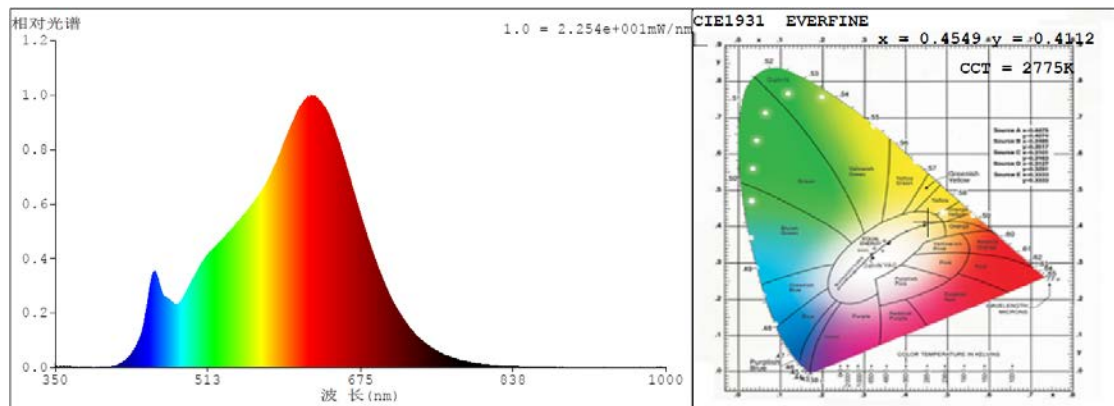
Chromaticity Measurement – Sphere-Spectroradiometer Method:

Parameter	Result	Special Color Rendering Indices			
Test Voltage (V)	120	R1	96	R9	66
Frequency (Hz)	60	R2	99	R10	98
CCT (K)	2775	R3	98	R11	98
Duv	0.000668	R4	96	R12	88
Chromaticity (x, y)	x=0.4549, y=0.4112	R5	96	R13	97
Chromaticity (u', v')	u' =0.2591, v' =0.5268	R6	97	R14	100
Color Rendering Index (CRI)	94.9	R7	92	R15	91
R9	66	R8	84	--	--

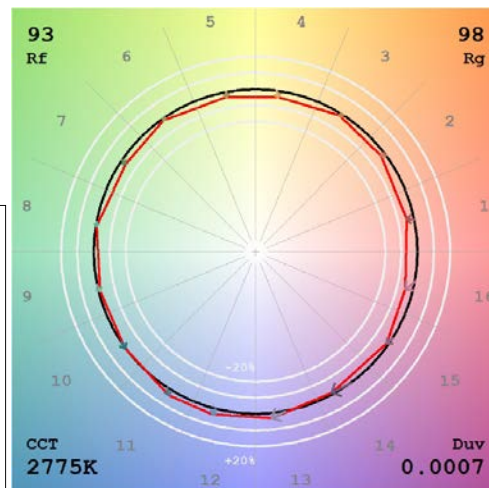
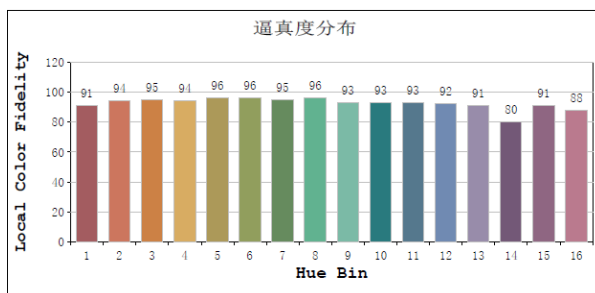
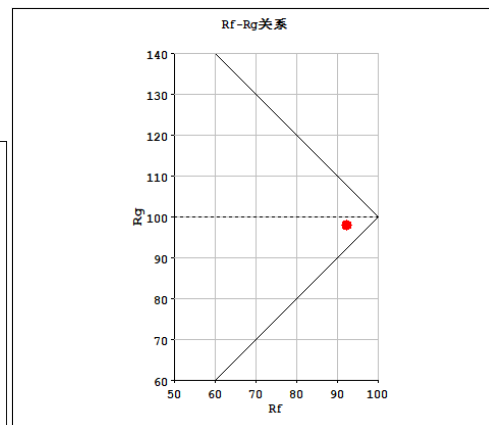
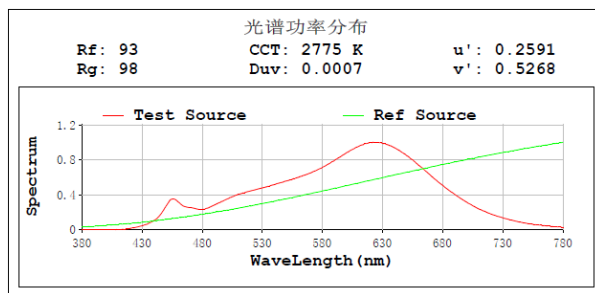
Photometric Measurement – Goniophotometer Method:

Parameter	Result
Test Voltage (V)	120
Frequency (Hz)	60
Total Luminous (lm)	1070.5
Luminous Efficacy (lm/W)	74.85
Beam Angle (°)	37.2
Center Beam Candle Power (cd)	2875

Spectral Power Distribution & Chromaticity Diagram



TM30

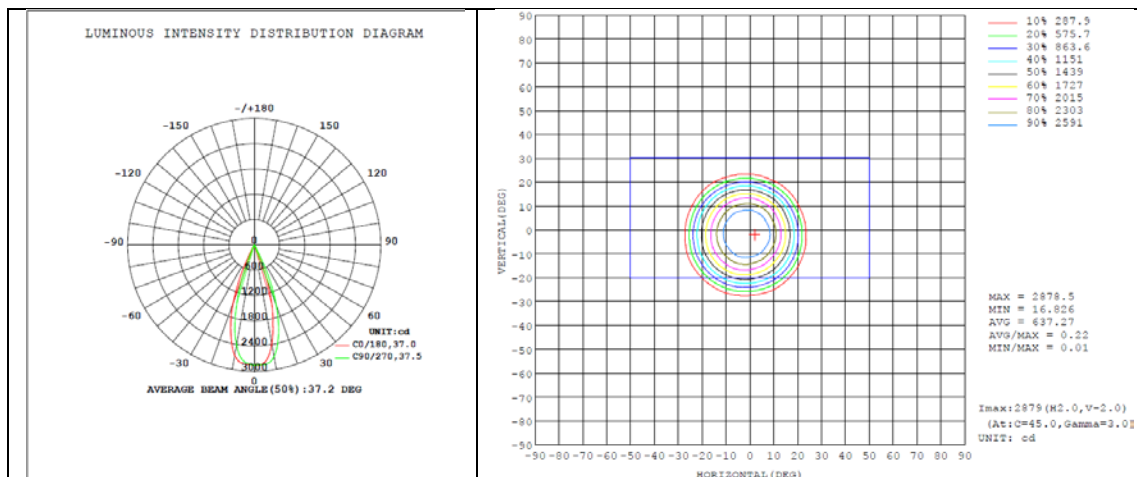


Zonal Lumen Tabulation

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	992.4	92.7%
0-40	1015.9	94.9%
0-60	1051.2	98.2%
60-90	19.3	1.7%
70-100	6.4	0.6%
90-120	0.0	0.0%
0-90	1070.5	100.0%
90-180	0.0	0.0%
0-180	1070.5	100.0%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	260.1	24.3%	90-100	0	0%
10-20	525.6	49.1%	100-110	0	0%
20-30	206.6	19.3%	110-120	0	0%
30-40	23.6	2.2%	120-130	0	0%
40-50	19.3	1.8%	130-140	0	0%
50-60	16.1	1.5%	140-150	0	0%
60-70	12.8	1.2%	150-160	0	0%
70-80	5.4	0.5%	160-170	0	0%
80-90	1.1	0.1%	170-180	0	0%

Photometric Data



2.1.2 Electrical, Photometric and Chromaticity Measurements

Test date	2023-6-17	Test Ambient:	25.3
Test Orientation	As intended	Stabilization Time (min)	15
Model Number	DLG0013 (G4)	CCT Setting	3000k

Electrical Measurement:

Sampel No.	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
#1	120	60	0.1186	14.04	0.9826

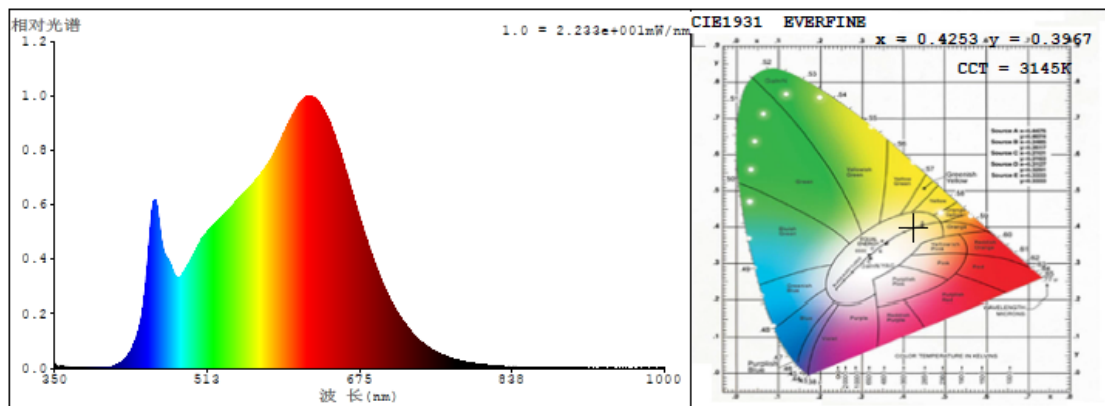
Chromaticity Measurement - Sphere-Spectroradiometer Method:

Parameter	Result	Special Color Rendering Indices			
Test Voltage (V)	120	R1	98	R9	74
Frequency (Hz)	60	R2	99	R10	99
CCT (K)	3145	R3	97	R11	98
Duv	-0.00126	R4	95	R12	82
Chromaticity (x, y)	x=0.4253, y=0.3967	R5	97	R13	99
Chromaticity (u', v')	u' =0.2462, v' =0.5167	R6	95	R14	99
Color Rendering Index (CRI)	95.1	R7	92	R15	94
R9	74	R8	87	--	--

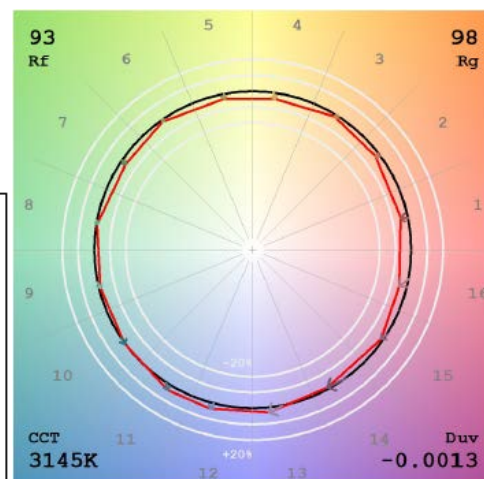
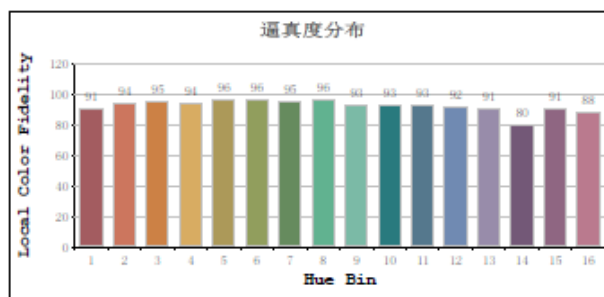
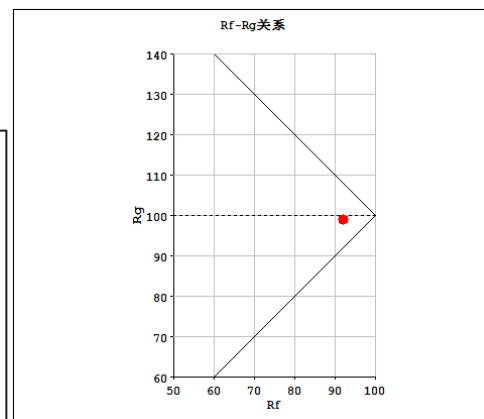
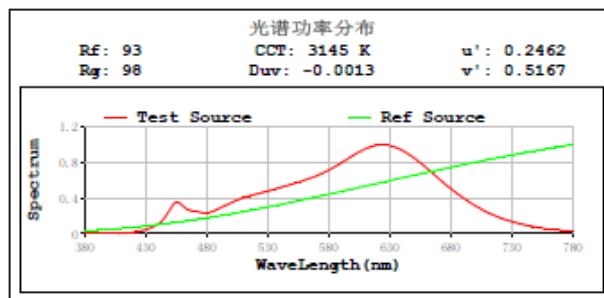
Photometric Measurement – Goniophotometer Method:

Parameter	Result
Test Voltage (V)	120
Frequency (Hz)	60
Total Luminous (lm)	1167.8
Luminous Efficacy (lm/W)	83.47
Beam Angle (°)	37.3
Center Beam Candle Power (cd)	3123

Spectral Power Distribution & Chromaticity Diagram



TM30

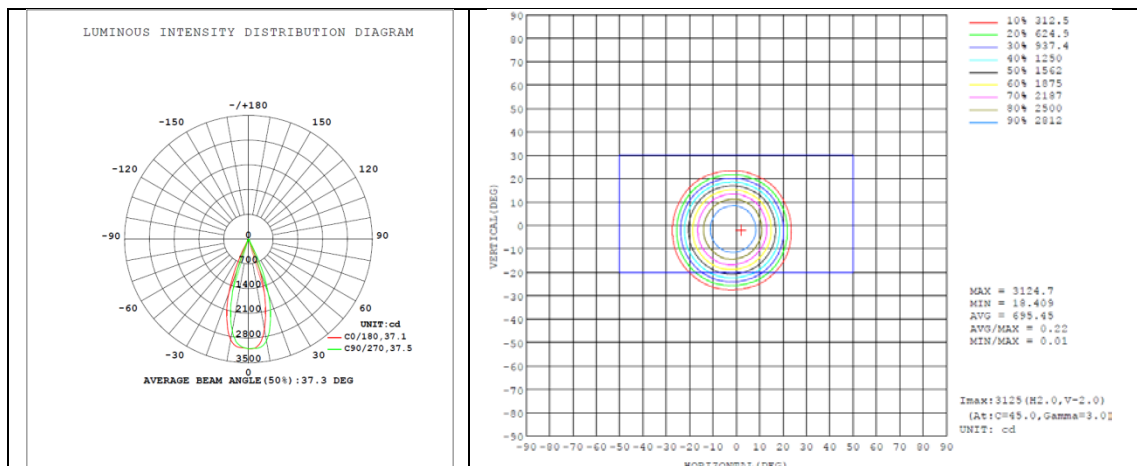


Zonal Lumen Tabulation

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1082.6	92.7%
0-40	1108.2	94.9%
0-60	1146.8	98.2%
60-90	21.0	1.7%
70-100	7.0	0.6%
90-120	0.0	0.0%
0-90	1167.8	100.0%
90-180	0.0	0.0%
0-180	1167.8	100.0%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	282.6	24.2%	90-100	0	0%
10-20	573.4	49.1%	100-110	0	0%
20-30	226.6	19.4%	110-120	0	0%
30-40	25.7	2.2%	120-130	0	0%
40-50	21.0	1.8%	130-140	0	0%
50-60	17.5	1.5%	140-150	0	0%
60-70	14.0	1.2%	150-160	0	0%
70-80	5.8	0.5%	160-170	0	0%
80-90	1.2	0.1%	170-180	0	0%

Photometric Data



2.1.3 Electrical, Photometric and Chromaticity Measurements

Test date	2023-6-17	Test Ambient:	25.3
Test Orientation	As intended	Stabilization Time (min)	15
Model Number	DLG0013 (G4)	CCT Setting	3500k

Electrical Measurement:

Sampel No.	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
#1	120	60	0.1153	13.63	0.9817

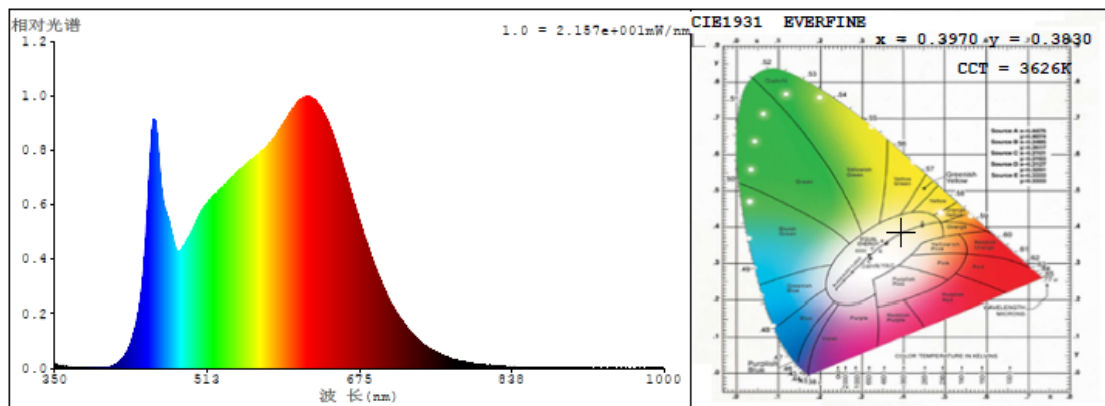
Chromaticity Measurement - Sphere-Spectroradiometer Method:

Parameter	Result	Special Color Rendering Indices			
Test Voltage (V)	120	R1	98	R9	78
Frequency (Hz)	60	R2	99	R10	99
CCT (K)	3626	R3	98	R11	97
Duv	-0.00153	R4	95	R12	78
Chromaticity (x, y)	x=0.3970, y=0.3830	R5	96	R13	100
Chromaticity (u', v')	u' =0.2335, v' =0.5068	R6	96	R14	100
Color Rendering Index (CRI)	95.3	R7	93	R15	95
R9	78	R8	89	--	--

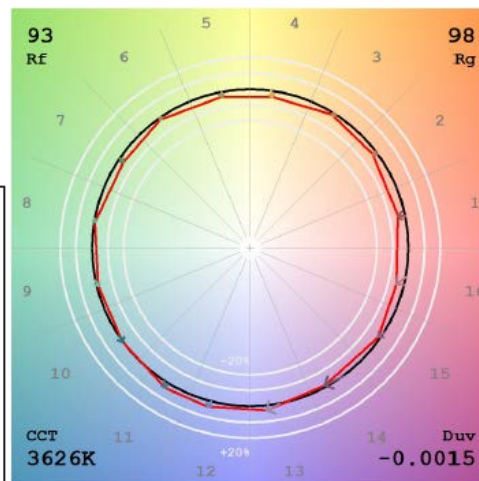
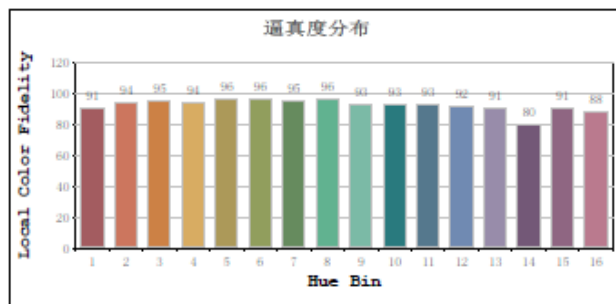
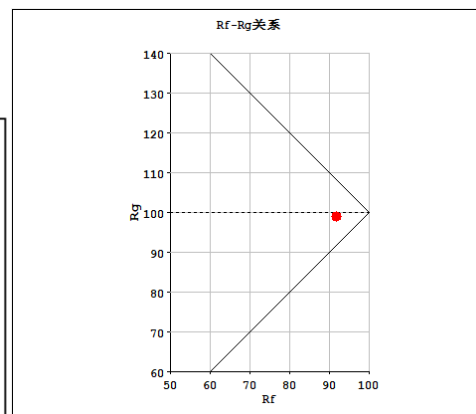
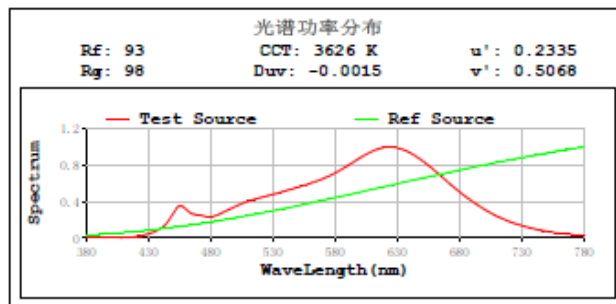
Photometric Measurement – Goniophotometer Method:

Parameter	Result
Test Voltage (V)	120
Frequency (Hz)	60
Total Luminous (lm)	1252.2
Luminous Efficacy (lm/W)	92.13
Beam Angle (°)	37.4
Center Beam Candle Power (cd)	3343

Spectral Power Distribution & Chromaticity Diagram



TM30

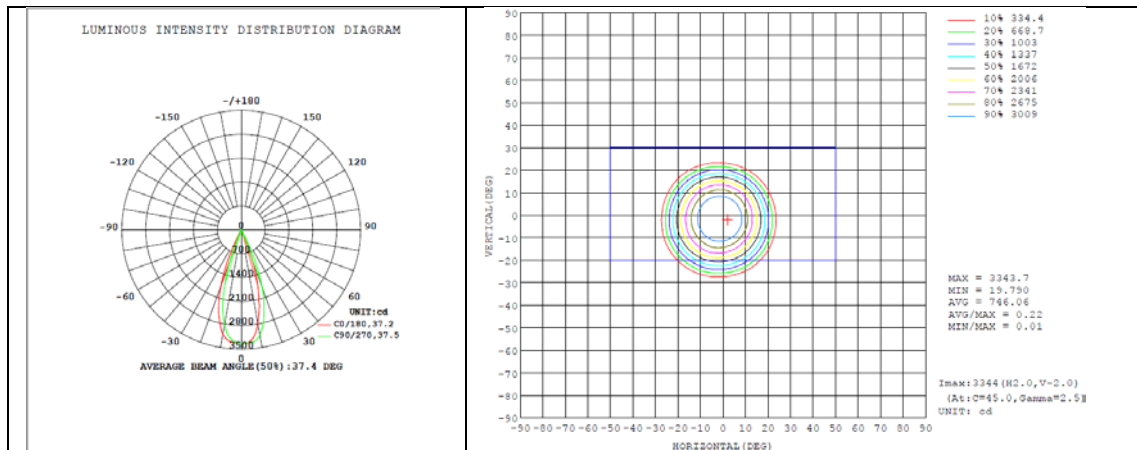


Zonal Lumen Tabulation

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1160.8	92.7%
0-40	1188.3	94.9%
0-60	1229.7	98.2%
60-90	22.5	1.7%
70-100	7.5	0.6%
90-120	0.0	0.0%
0-90	1252.2	100.0%
90-180	0.0	0.0%
0-180	1252.2	100.0%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	303.0	24.2%	90-100	0	0%
10-20	616.1	49.2%	100-110	0	0%
20-30	241.7	19.3%	110-120	0	0%
30-40	27.5	2.2%	120-130	0	0%
40-50	22.5	1.8%	130-140	0	0%
50-60	18.8	1.5%	140-150	0	0%
60-70	15.0	1.2%	150-160	0	0%
70-80	6.3	0.5%	160-170	0	0%
80-90	1.3	0.1%	170-180	0	0%

Photometric Data



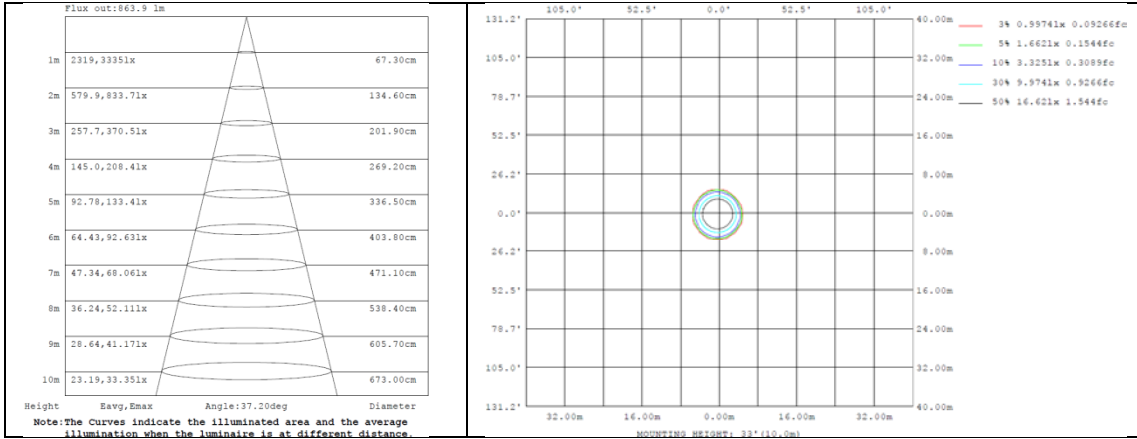


Table--1

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	3324	3324	3324	3324	3324	3324	3324	3324	3324	3324	3324	3324	3324	3324	3324	3324				
5	3256	3290	3318	3329	3321	3307	3308	3303	3294	3287	3277	3247	3225	3223	3229	3236				
10	2790	2887	2977	3077	3132	3164	3152	3142	3108	3048	2974	2885	2823	2765	2748	2725				
15	1989	2128	2266	2445	2578	2683	2670	2635	2552	2426	2317	2172	2050	1943	1920	1902				
20	1032	1224	1419	1624	1786	1922	1945	1889	1753	1573	1368	1167	1007	902	873	895				
25	149	253	436	652	821	951	963	918	765	549	354	202	139	118	109	113				
30	51.0	58.6	68.9	84.9	104	129	138	125	100	81.0	66.9	57.0	51.3	48.9	46.9	46.5				
35	35.7	37.5	40.3	43.8	47.3	50.7	52.0	50.5	46.1	42.2	38.9	36.9	35.8	35.3	35.0	34.4				
40	30.4	31.5	32.4	34.0	35.1	36.1	36.4	36.0	34.1	32.6	31.5	30.9	30.0	29.8	29.8	29.5				
45	26.2	27.0	27.9	29.2	30.0	31.0	30.9	30.1	29.0	28.0	26.9	26.3	25.7	25.7	25.8	25.4				
50	23.8	24.1	24.6	25.2	25.8	26.3	26.4	25.9	24.9	24.6	24.2	23.7	23.4	23.4	23.4	23.4				
55	21.0	21.5	22.1	22.9	23.4	23.9	23.8	23.5	23.0	22.7	22.1	21.3	20.8	20.6	20.6	20.5				
60	17.3	18.0	18.8	19.7	20.3	20.8	20.9	20.5	20.0	19.5	18.7	17.8	17.1	16.8	16.8	16.9				
65	12.9	13.9	14.9	15.8	16.5	17.0	17.2	17.0	16.2	15.5	14.5	13.4	12.5	12.0	11.9	12.2				
70	8.86	9.56	10.3	11.1	11.8	12.4	12.6	12.2	11.4	10.7	9.96	9.14	8.56	8.21	8.16	8.37				
75	4.65	5.38	6.04	7.30	8.02	8.46	8.53	8.33	7.74	6.45	5.76	4.95	4.33	4.00	3.94	4.14				
80	2.01	2.41	2.95	3.46	3.91	4.28	4.30	4.13	3.70	3.20	2.71	2.18	1.83	1.67	1.62	1.77				
85	0.42	0.62	0.97	1.31	1.65	1.82	1.85	1.71	1.46	1.12	0.75	0.55	0.33	0.24	0.18	0.30				
90	0.00	0.00	0.00	0.00	0.17	0.27	0.32	0.21	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

2.1.4 Electrical, Photometric and Chromaticity Measurements

Test date	2023-6-17	Test Ambient:	25.3
Test Orientation	As intended	Stabilization Time (min)	15
Model Number	DLG0013 (G4)	CCT Setting	4000k

Electrical Measurement:

Sampel No.	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
#1	120	60	0.1163	13.75	0.9819

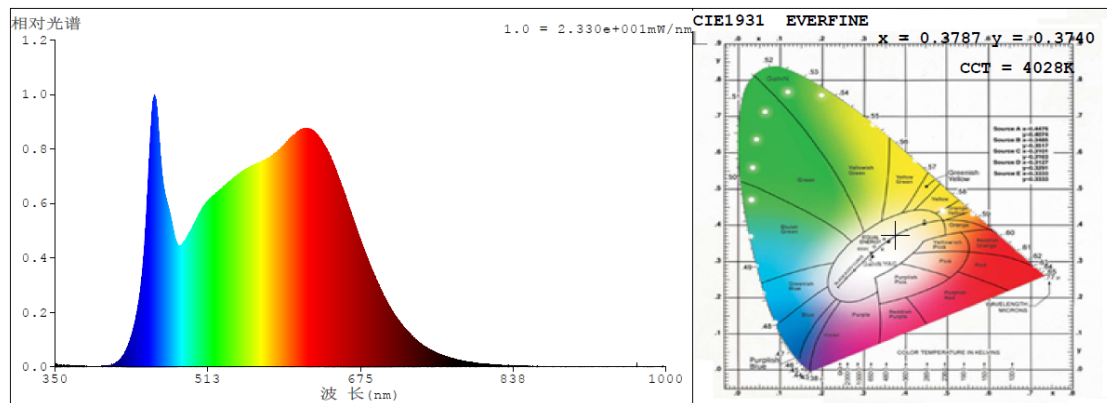
Chromaticity Measurement - Sphere-Spectroradiometer Method:

Parameter	Result	Special Color Rendering Indices			
Test Voltage (V)	120	R1	97	R9	78
Frequency (Hz)	60	R2	99	R10	99
CCT (K)	4028	R3	98	R11	95
Duv	-0.000792	R4	93	R12	75
Chromaticity (x, y)	x=0.3787, y=0.3740	R5	95	R13	99
Chromaticity (u', v')	u' =0.2251, v' =0.5001	R6	96	R14	100
Color Rendering Index (CRI)	95.1	R7	93	R15	95
R9	78	R8	89	--	--

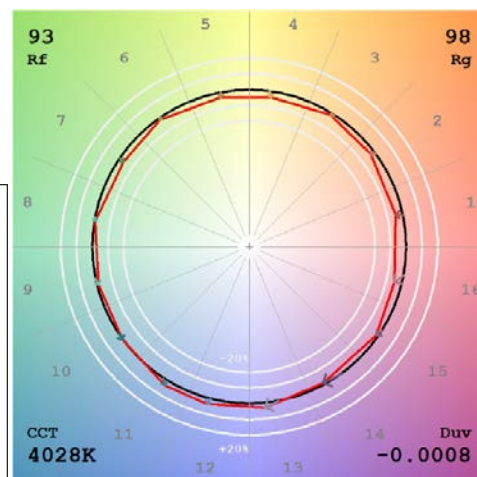
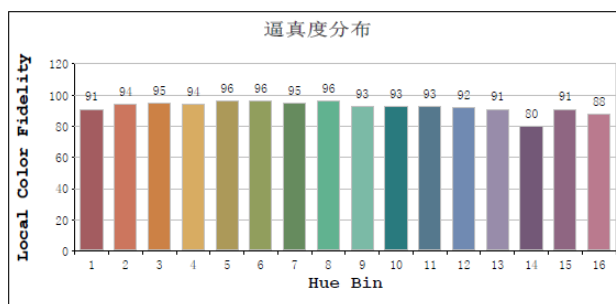
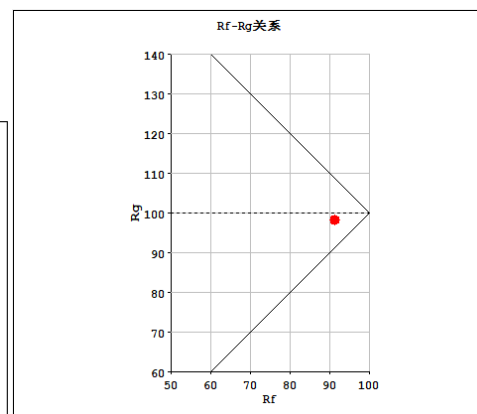
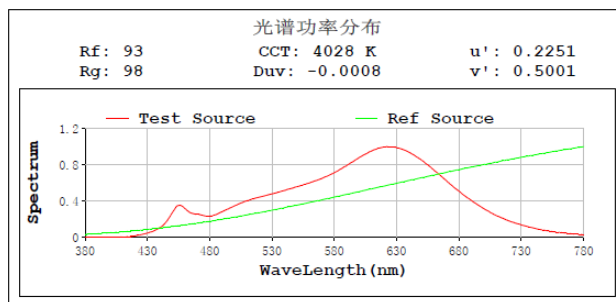
Photometric Measurement – Goniophotometer Method:

Parameter	Result
Test Voltage (V)	120
Frequency (Hz)	60
Total Luminous (lm)	1294.7
Luminous Efficacy (lm/W)	94.27
Beam Angle (°)	37.3
Center Beam Candle Power (cd)	3454

Spectral Power Distribution & Chromaticity Diagram



TM30

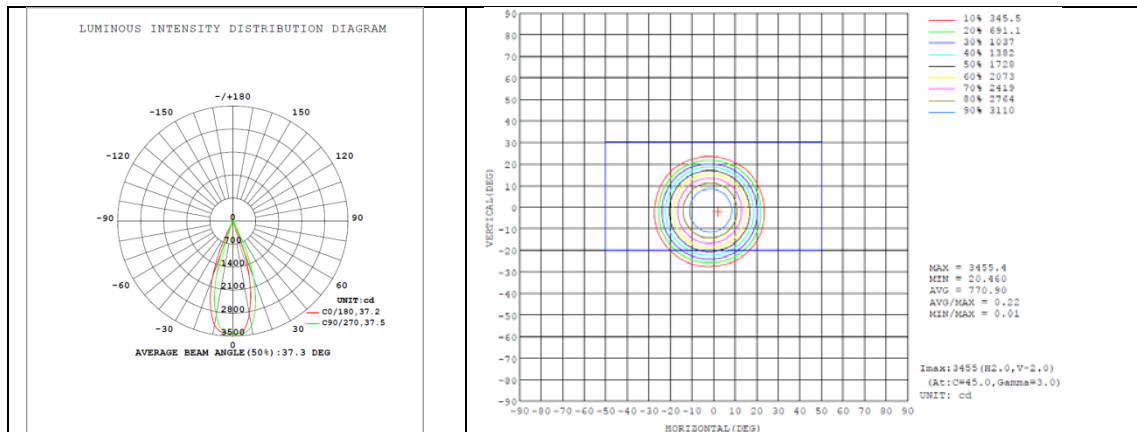


Zonal Lumen Tabulation

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1200.2	92.7%
0-40	1228.7	94.9%
0-60	1271.4	98.2%
60-90	23.3	1.7%
70-100	7.8	0.6%
90-120	0.0	0.0%
0-90	1294.7	100.0%
90-180	0.0	0.0%
0-180	1294.7	100.0%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	313.3	24.2%	90-100	0	0%
10-20	634.4	49.0%	100-110	0	0%
20-30	252.5	19.5%	110-120	0	0%
30-40	28.5	2.2%	120-130	0	0%
40-50	23.3	1.8%	130-140	0	0%
50-60	19.4	1.5%	140-150	0	0%
60-70	15.5	1.2%	150-160	0	0%
70-80	6.5	0.5%	160-170	0	0%
80-90	1.3	0.1%	170-180	0	0%

Photometric Data



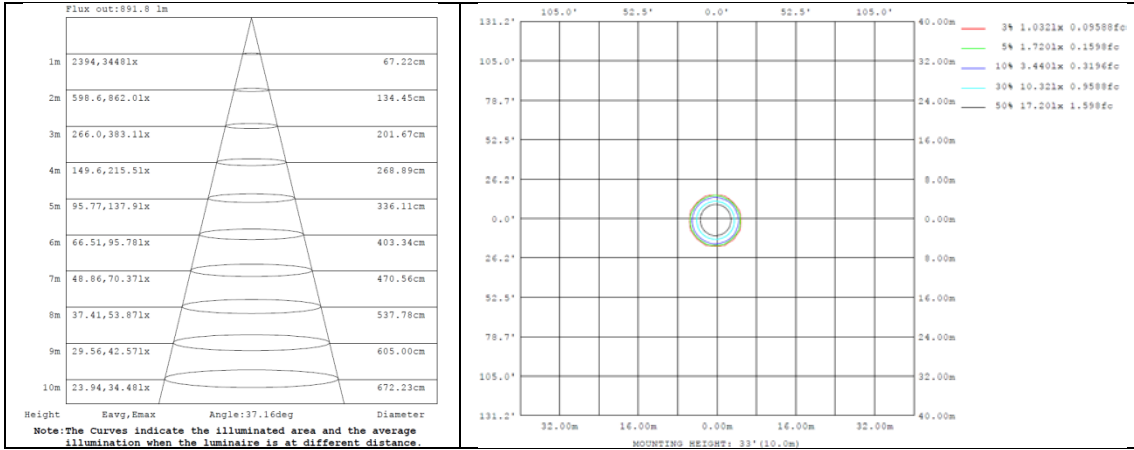


Table--1

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	3440	3440	3440	3440	3440	3440	3440	3440	3440	3440	3440	3440	3440	3440	3440	3440				
5	3368	3396	3424	3439	3432	3416	3421	3408	3408	3399	3386	3353	3339	3326	3336	3337				
10	2876	2984	3063	3177	3237	3266	3256	3243	3213	3146	3077	2977	2912	2846	2827	2808				
15	2052	2197	2339	2524	2657	2762	2746	2721	2645	2506	2405	2240	2124	1994	1976	1959				
20	1058	1264	1462	1675	1836	1975	1995	1957	1817	1627	1421	1199	1045	925	900	920				
25	155	288	447	676	845	983	993	951	792	567	371	209	146	135	113	131				
30	52.8	60.8	71.3	87.9	121	134	142	130	104	84.1	69.6	58.9	53.3	50.5	48.5	48.1				
35	37.0	38.9	41.7	45.4	48.9	52.5	53.7	52.4	47.8	43.7	40.4	38.1	37.1	36.5	36.2	35.6				
40	31.5	32.6	33.5	35.2	36.3	37.4	37.7	37.3	35.3	33.7	32.7	31.9	31.2	30.8	30.9	30.5				
45	27.1	28.0	28.8	30.1	31.1	32.0	32.0	31.1	30.0	29.0	27.9	27.1	26.6	26.6	26.6	26.3				
50	24.7	24.9	25.5	26.1	26.7	27.2	27.3	26.9	25.8	25.5	25.0	24.5	24.3	24.2	24.2	24.2				
55	21.7	22.3	22.9	23.6	24.1	24.7	24.6	24.3	23.8	23.5	22.9	22.0	21.6	21.3	21.3	21.2				
60	17.9	18.6	19.4	20.4	21.0	21.5	21.6	21.2	20.7	20.1	19.4	18.4	17.7	17.3	17.4	17.4				
65	13.4	14.4	15.4	16.3	17.1	17.6	17.8	17.6	16.8	16.0	15.1	13.8	12.9	12.4	12.3	12.6				
70	9.16	9.90	10.6	11.5	12.2	12.9	13.0	12.7	11.8	11.0	10.3	9.46	8.87	8.48	8.44	8.66				
75	4.81	5.57	6.29	7.56	8.29	8.74	8.83	8.63	8.02	6.65	5.94	5.12	4.50	4.14	4.08	4.29				
80	2.07	2.51	3.05	3.59	4.03	4.43	4.45	4.29	3.85	3.30	2.82	2.24	1.91	1.72	1.69	1.82				
85	0.44	0.66	1.01	1.37	1.70	1.89	1.91	1.79	1.52	1.15	0.79	0.57	0.36	0.25	0.19	0.31				
90	0.00	0.00	0.00	0.00	0.17	0.31	0.33	0.23	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

2.1.5 Electrical, Photometric and Chromaticity Measurements

Test date	2023-6-17	Test Ambient:	25.3
Test Orientation	As intended	Stabilization Time (min)	15
Model Number	DLG0013 (G4)	CCT Setting	5000k

Electrical Measurement:

Sampel No.	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
#1	120	60	0.1211	14.34	0.9832

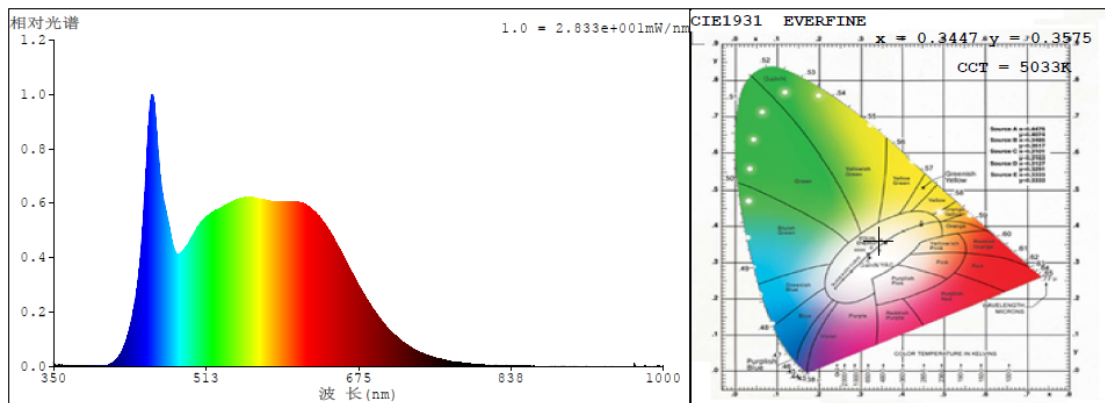
Chromaticity Measurement - Sphere-Spectroradiometer Method:

Parameter	Result	Special Color Rendering Indices			
Test Voltage (V)	120	R1	93	R9	64
Frequency (Hz)	60	R2	97	R10	92
CCT (K)	5033	R3	98	R11	92
Duv	0.00306	R4	91	R12	74
Chromaticity (x, y)	x=0.3447, y=0.3575	R5	92	R13	95
Chromaticity (u', v')	u' =0.2089, v' =0.4874	R6	94	R14	99
Color Rendering Index (CRI)	93.0	R7	93	R15	91
R9	64	R8	85	--	--

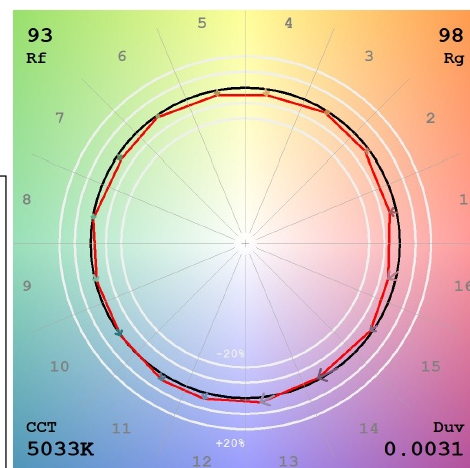
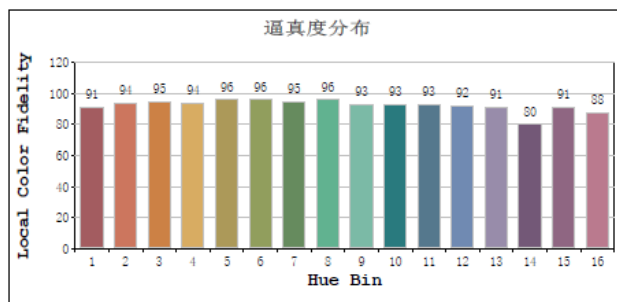
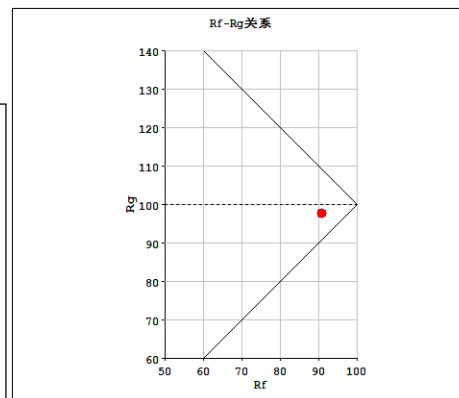
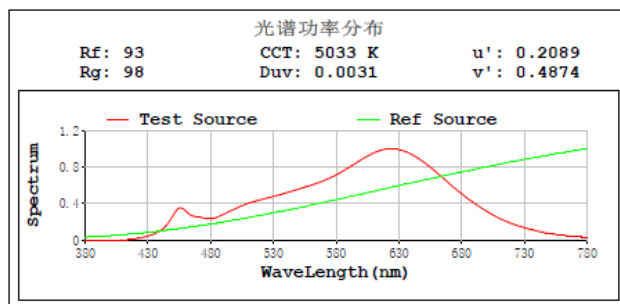
Photometric Measurement – Goniophotometer Method:

Parameter	Result
Test Voltage (V)	120
Frequency (Hz)	60
Total Luminous (lm)	1277.2
Luminous Efficacy (lm/W)	89.17
Beam Angle (°)	37.3
Center Beam Candle Power (cd)	3408

Spectral Power Distribution & Chromaticity Diagram



TM30

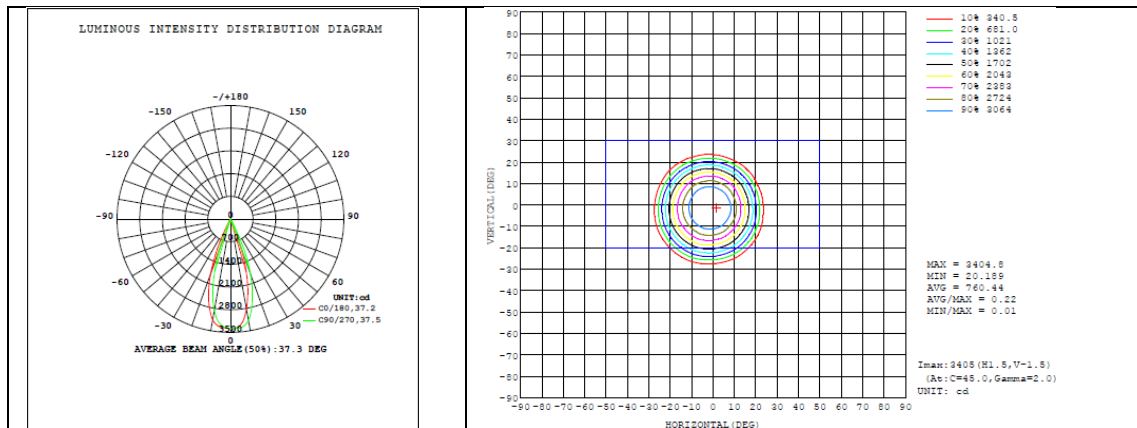


Zonal Lumen Tabulation

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1184.0	92.7%
0-40	1212.1	94.9%
0-60	1254.2	98.2%
60-90	23.0	1.7%
70-100	7.7	0.6%
90-120	0.0	0.0%
0-90	1277.2	100.0%
90-180	0.0	0.0%
0-180	1277.2	100.0%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	309.1	24.2%	90-100	0	0%
10-20	625.8	49.0%	100-110	0	0%
20-30	249.1	19.5%	110-120	0	0%
30-40	28.1	2.2%	120-130	0	0%
40-50	21.7	1.7%	130-140	0	0%
50-60	20.4	1.6%	140-150	0	0%
60-70	15.3	1.2%	150-160	0	0%
70-80	6.4	0.5%	160-170	0	0%
80-90	1.3	0.1%	170-180	0	0%

Photometric Data



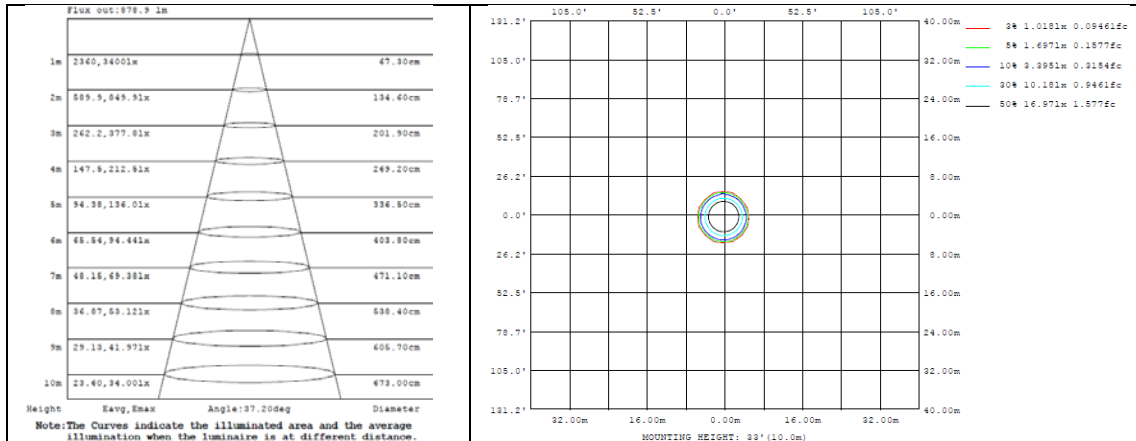


Table--1

UNIT: cd

C (DEG) \ Y (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	3390	3390	3390	3390	3390	3390	3390	3390	3390	3390	3390	3390	3390	3390	3390	3390
5	3307	3337	3372	3382	3377	3366	3369	3364	3351	3349	3352	3308	3285	3278	3281	3285
10	2826	2931	3020	3130	3177	3213	3207	3199	3165	3102	3050	2938	2867	2800	2781	2768
15	2023	2171	2313	2494	2603	2710	2700	2690	2612	2482	2384	2219	2089	1962	1943	1928
20	1047	1251	1446	1650	1802	1939	1960	1929	1791	1612	1407	1188	1031	916	890	911
25	153	289	445	669	833	973	982	942	787	564	372	208	144	134	112	130
30	52.2	60.5	70.9	87.1	120	133	142	129	104	84.0	69.3	58.5	52.6	49.9	47.9	47.5
35	36.6	38.6	41.4	45.0	48.2	51.8	53.1	51.9	47.3	43.4	40.1	37.9	36.7	36.1	35.8	35.2
40	31.1	32.4	33.2	34.9	35.8	37.0	37.3	37.0	35.0	33.4	32.4	31.6	30.8	30.5	30.5	30.2
45	26.8	27.6	28.6	29.8	30.7	31.7	31.6	30.8	29.7	28.7	27.6	26.9	26.3	26.3	26.3	26.0
50	24.3	24.7	25.2	25.8	26.4	26.9	27.0	26.6	25.5	25.2	24.9	24.2	23.9	23.9	23.9	23.9
55	21.4	22.0	22.6	23.4	23.8	24.4	24.3	24.0	23.6	23.2	22.7	21.8	21.3	21.0	21.0	21.0
60	17.7	18.4	19.2	20.2	20.8	21.3	21.3	21.0	20.5	19.9	19.2	18.2	17.5	17.1	17.1	17.2
65	13.2	14.2	15.3	16.2	16.9	17.4	17.6	17.4	16.6	15.8	14.9	13.7	12.8	12.2	12.2	12.4
70	9.05	9.76	10.5	11.3	12.0	12.7	12.8	12.5	11.6	10.9	10.2	9.37	8.78	8.38	8.32	8.55
75	4.73	5.50	6.18	7.46	8.18	8.65	8.72	8.53	7.92	6.57	5.88	5.06	4.44	4.08	4.03	4.22
80	2.05	2.50	3.01	3.56	3.99	4.38	4.39	4.24	3.79	3.25	2.79	2.22	1.89	1.69	1.66	1.80
85	0.43	0.65	0.99	1.35	1.68	1.87	1.90	1.76	1.50	1.14	0.79	0.56	0.35	0.24	0.19	0.30
90	0.00	0.00	0.00	0.00	0.17	0.27	0.33	0.23	0.07	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
DLG0013(G4)	2700K setting	120	1070.5	14.30	74.85
	3000K setting	120	1167.8	13.99	83.47
	3500K setting	120	1252.2	13.59	92.13
	4000K setting	120	1294.7	13.73	94.27
	5000K setting	120	1277.2	14.32	89.17