

LM-79-08 Test Report
For
RAB LIGHTING INC

(Brand Name: N/A)

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

Model name(s):
DSK34-4/LCB

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

**Type of
Luminaire:** Downlights

Report Date: 2023-10-27

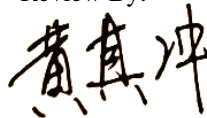
Prepared By:

Test & Report By:



Engineer: Sun Fangfang

Review By:



Manager: Huang Qichong

1.1 Rated Values:	
Rated Voltage / Frequency	120Vac, 60 Hz
Nominal Power	10.0 W
Rated Initial Lamp Lumen	800 lm
Declared CCT	2700K/3000K/3500K/4000K/5000K/6500K

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

1) Photometric and Light Distribution Measurement – Goniophotometer Method:

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.

2) Chromaticity Measurement – Sphere-Spectroradiometer Method:

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.

3) Electrical Measurements:

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.

2.1.1 Electrical, Photometric and Chromaticity Measurements

Test date	2023-10-26	Test Ambient:	25.3 °C
Test Orientation	As intended	Stabilization Time (min)	90
Model Number	DSK34-4/LCB	2700K	

Electrical Measurement:

Sample No.	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
202310210041	120.0	60	0.084	9.97	0.981

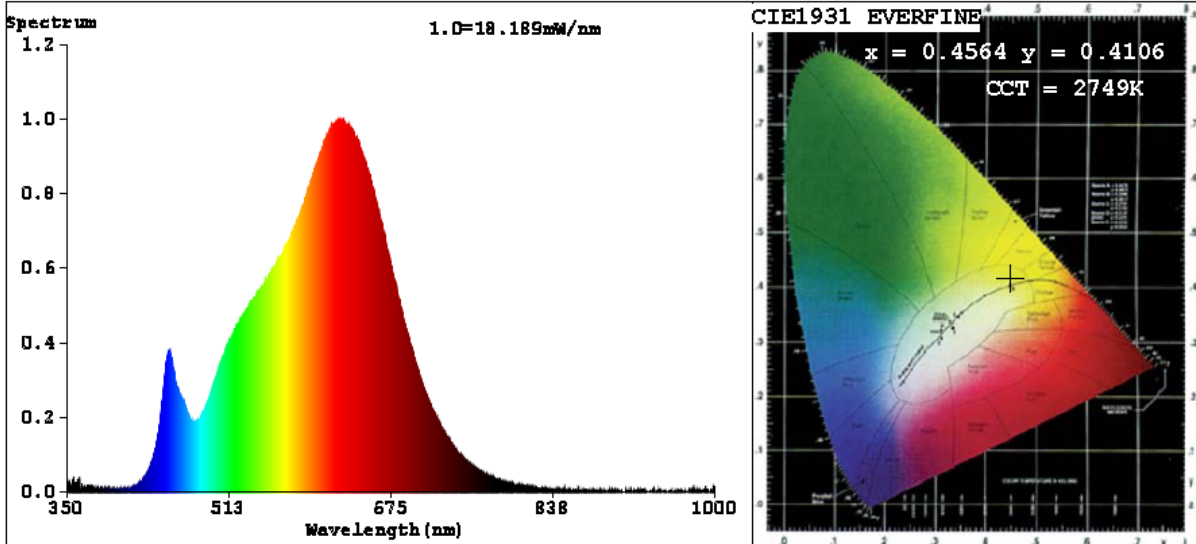
Chromaticity Measurement - Sphere-Spectroradiometer Method:

Parameter	Result	Special Color Rendering Indices			
Test Voltage (V)	120	R1	95	R9	66
Frequency (Hz)	60	R2	97	R10	93
CCT (K)	2749	R3	98	R11	97
Duv	0.0003	R4	95	R12	85
Chromaticity (x, y)	x=0.4564 y=0.4106	R5	95	R13	96
Chromaticity (u', v')	u'=0.2603 v'=0.5268	R6	97	R14	98
Color Rendering Index (CRI)	94.4	R7	93	R15	91
R9	66	R8	85	--	--

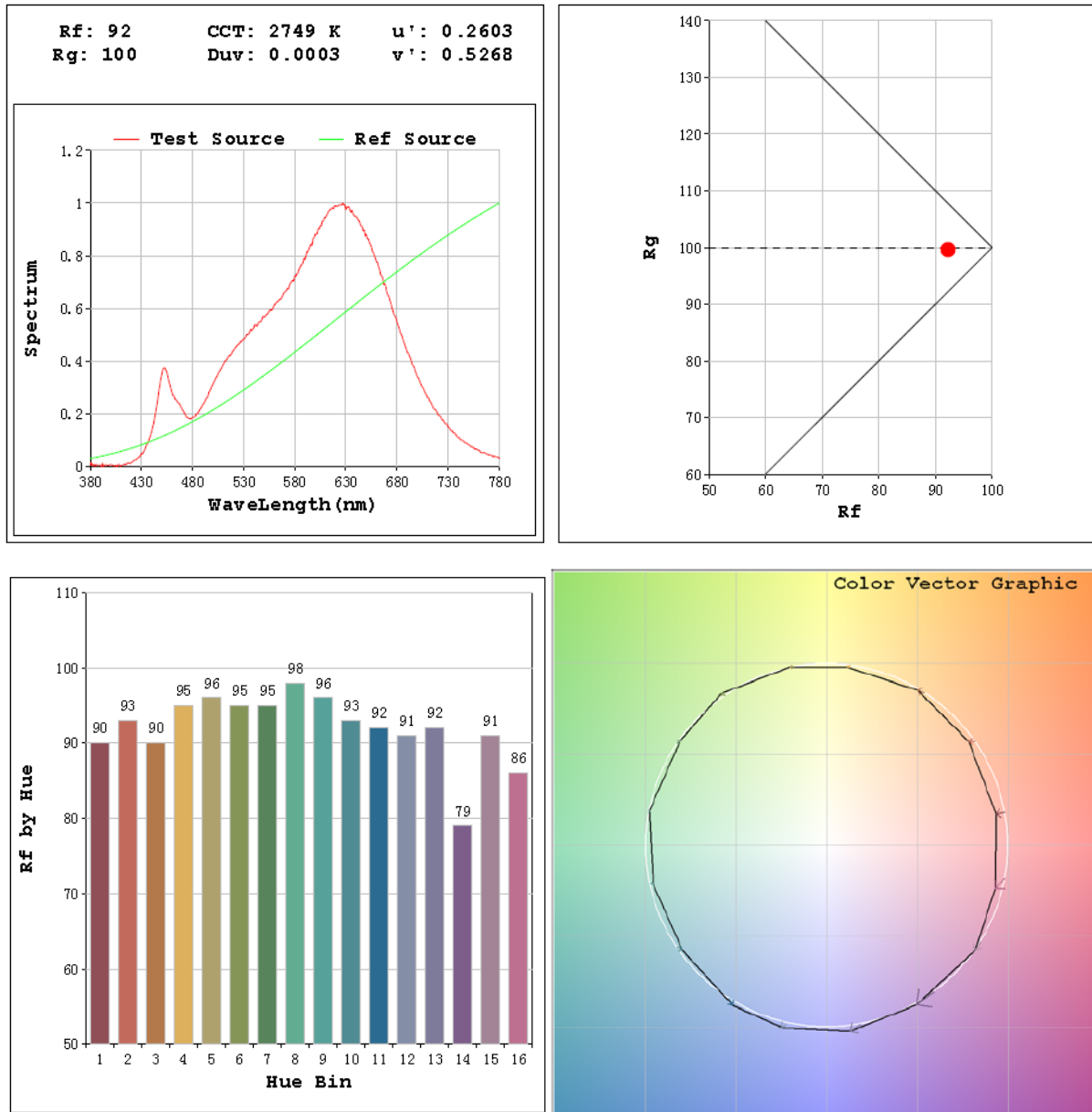
Photometric Measurement – Goniophotometer Method:

Parameter	Result
Test Voltage (V)	120.0
Frequency (Hz)	60
Total Luminous (lm)	830.2
Luminous Efficacy (lm/W)	83.27
Beam Angle (°)	110.6
Center Beam Candle Power (cd)	280.1

Spectral Power Distribution & Chromaticity Diagram



TM30



Zonal Lumen Tabulation

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	215.2	25.9%
0-40	350.6	42.2%
0-60	616.3	74.2%
60-90	190.2	22.9%
70-100	99.5	12.0%
90-120	12.3	1.5%
0-90	806.5	97.1%
90-180	23.8	2.9%
0-180	830.2	100.0%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	26.5	3.2%	90-100	8.1	1.0%
10-20	75.4	9.1%	100-110	2.1	0.3%
20-30	113.3	13.7%	110-120	2.1	0.3%
30-40	135.3	16.3%	120-130	2.8	0.3%
40-50	139.5	16.8%	130-140	2.9	0.4%
50-60	126.3	15.2%	140-150	2.6	0.3%
60-70	98.8	11.9%	150-160	1.9	0.2%
70-80	62.7	7.6%	160-170	1.0	0.1%
80-90	28.7	3.5%	170-180	0.3	0.0%

Photometric Data

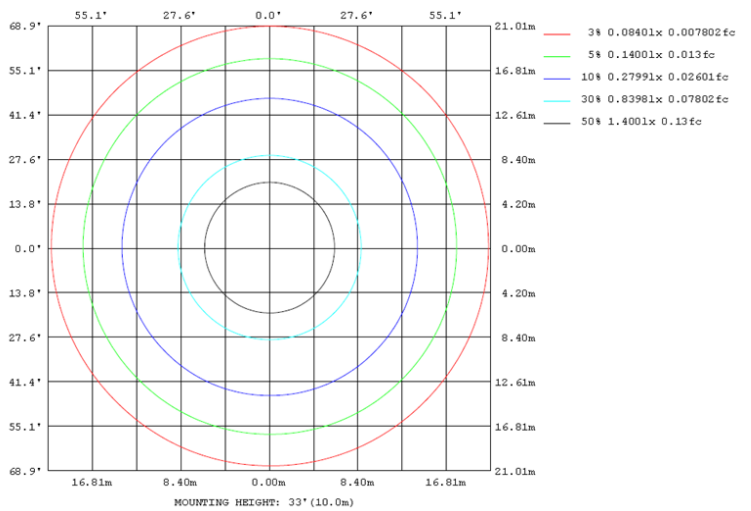
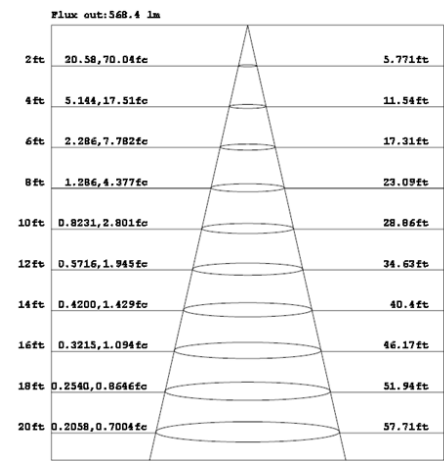
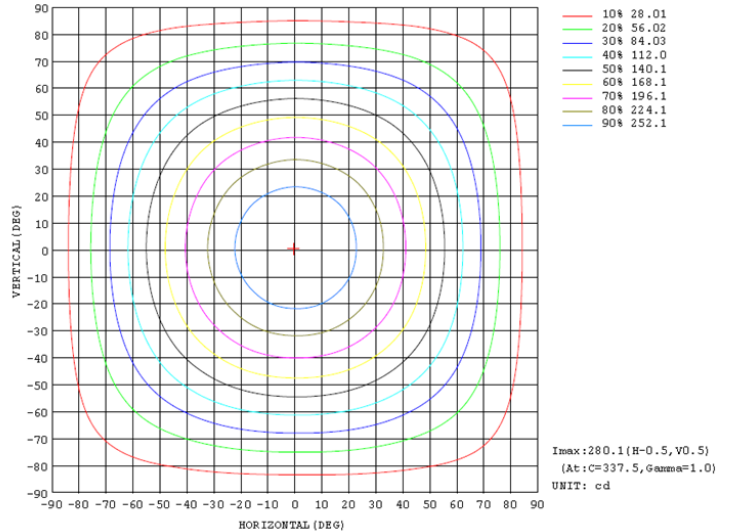
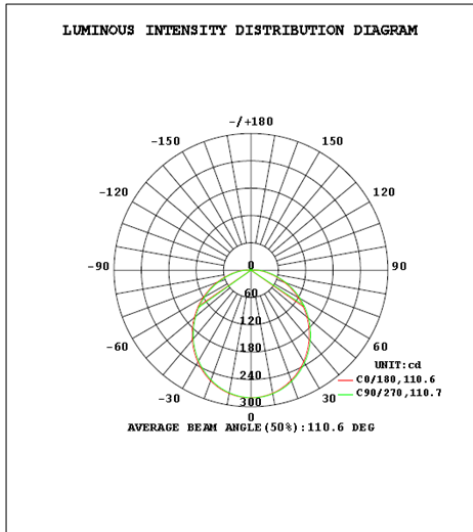


Table--1

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	280	280	280	280	280	280	280	280	280	280	280	280	280	280	280	280			
5	279	279	278	278	278	278	278	278	279	279	279	279	279	279	279	279			
10	275	274	274	274	273	273	273	274	274	274	275	275	275	275	275	275			
15	268	267	267	267	266	266	266	266	267	267	268	268	269	269	269	269			
20	258	258	257	257	256	256	256	256	257	258	259	259	260	260	260	259			
25	247	246	245	245	244	244	244	243	244	245	246	247	248	248	248	248			
30	233	232	231	231	230	230	229	230	231	232	233	234	235	235	235	234			
35	217	216	215	215	214	214	213	214	216	216	218	218	219	219	219	218			
40	200	199	198	198	196	196	196	197	198	199	201	201	202	202	202	201			
45	181	181	179	179	178	178	177	178	180	180	182	183	184	184	184	183			
50	162	161	160	159	158	158	158	159	160	161	163	164	165	165	165	164			
55	142	141	140	139	138	138	137	139	140	141	143	144	145	145	145	144			
60	121	121	119	119	117	117	117	118	120	120	122	123	124	124	124	123			
65	100	99.8	98.1	97.5	96.2	96.3	95.8	97.0	98.9	99.6	102	102	104	103	103	102			
70	79.7	79.0	77.4	76.9	75.6	75.7	75.2	76.4	78.2	79.0	80.9	81.5	82.8	82.4	82.7	81.5			
75	59.6	59.1	57.6	57.2	56.0	56.1	55.6	56.7	58.4	59.0	60.8	61.4	62.7	62.3	62.5	61.3			
80	41.3	40.9	39.5	39.3	38.2	38.4	38.0	38.9	40.3	40.8	42.5	43.0	44.1	43.7	43.9	42.8			
85	25.8	25.5	24.5	24.3	23.6	23.7	23.3	24.0	25.1	25.5	26.9	27.3	28.2	27.8	28.0	27.0			
90	14.1	14.0	13.4	13.3	12.8	12.9	12.7	13.1	13.8	14.1	15.0	15.3	15.9	15.6	15.6	14.9			
95	6.67	6.68	6.30	6.45	6.17	6.21	5.98	6.20	6.55	6.73	7.28	7.43	7.73	7.50	7.46	7.07			
100	2.97	2.88	2.73	2.80	2.82	2.89	2.86	2.90	2.99	3.05	3.11	3.16	3.22	3.19	3.21	3.15			
105	1.88	1.87	1.75	1.78	1.99	2.04	2.08	1.91	1.81	1.76	1.51	1.53	1.53	1.56	1.62	1.72			
110	1.85	2.01	1.78	1.98	2.12	2.19	2.06	2.02	1.77	1.64	1.20	1.24	1.34	1.36	1.53	1.68			
115	2.38	2.58	2.42	2.61	2.68	2.57	2.18	2.22	2.02	1.80	1.31	1.45	1.76	1.84	1.74	2.15			
120	2.94	3.31	3.32	3.55	3.43	3.06	2.58	2.65	2.54	2.54	1.73	1.65	2.44	2.36	2.30	2.34			
125	3.32	3.63	3.84	3.96	3.74	3.15	2.97	2.98	2.63	3.07	2.79	2.73	3.06	2.79	2.76	2.73			
130	3.46	4.01	4.06	4.19	4.15	3.35	3.36	3.43	3.05	3.59	3.28	3.64	3.30	3.16	3.12	3.31			
135	3.49	4.24	4.24	4.31	4.52	3.67	3.75	3.72	3.49	3.83	3.63	3.82	3.89	3.14	3.26	3.49			
140	4.08	4.44	4.39	4.45	4.69	3.93	3.93	3.78	3.90	4.10	3.83	3.82	4.03	3.40	3.13	3.52			
145	4.06	4.65	4.58	4.61	5.08	4.16	3.74	3.87	4.39	4.24	3.99	4.09	4.07	3.78	2.61	3.53			
150	3.93	4.54	4.64	4.76	5.68	4.36	3.25	3.81	5.25	4.40	4.17	4.30	4.51	4.08	2.53	3.38			
155	3.20	4.54	4.61	4.94	5.96	4.14	3.09	3.48	4.85	5.05	4.36	4.48	5.37	3.89	2.69	2.95			
160	3.09	3.83	4.80	5.59	4.30	3.31	3.16	3.01	4.64	4.94	4.77	4.63	5.71	3.21	2.75	2.75			
165	3.04	3.05	3.27	3.26	3.21	3.22	3.11	2.99	2.84	3.42	5.64	4.33	3.16	2.92	2.97	2.77			
170	2.90	3.05	3.12	3.14	3.16	3.06	3.00	2.93	2.90	2.90	2.91	2.90	2.89	2.99	2.98	2.89			
175	2.99	2.99	3.05	3.00	2.99	3.00	2.98	2.99	2.99	2.96	2.98	2.94	2.96	2.94	2.97	2.95			
180	3.02	3.01	3.01	3.02	3.01	3.01	3.00	3.00	3.02	3.01	3.01	3.01	3.01	3.00	3.01	3.00			

2.1.2 Electrical, Photometric and Chromaticity Measurements

Test date	2023-10-26	Test Ambient:	25.3 °C
Test Orientation	As intended	Stabilization Time (min)	90
Model Number	DSK34-4/LCB	3000K	

Electrical Measurement:

Sample No.	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
202310210041	120.0	60	0.085	10.00	0.981

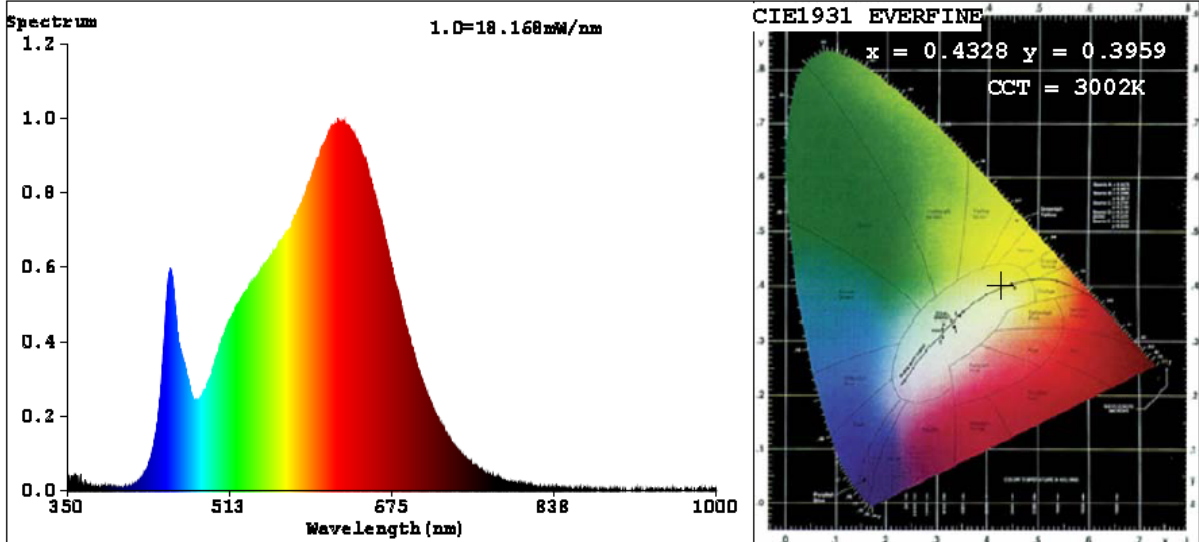
Chromaticity Measurement - Sphere-Spectroradiometer Method:

Parameter	Result	Special Color Rendering Indices			
Test Voltage (V)	120	R1	97	R9	74
Frequency (Hz)	60	R2	99	R10	96
CCT (K)	3002	R3	98	R11	97
Duv	0.0027	R4	96	R12	84
Chromaticity (x, y)	x=0.4328 y=0.3959	R5	97	R13	98
Chromaticity (u', v')	u'=0.2515 v'=0.5175	R6	96	R14	99
Color Rendering Index (CRI)	95.6	R7	93	R15	94
R9	74	R8	88	--	--

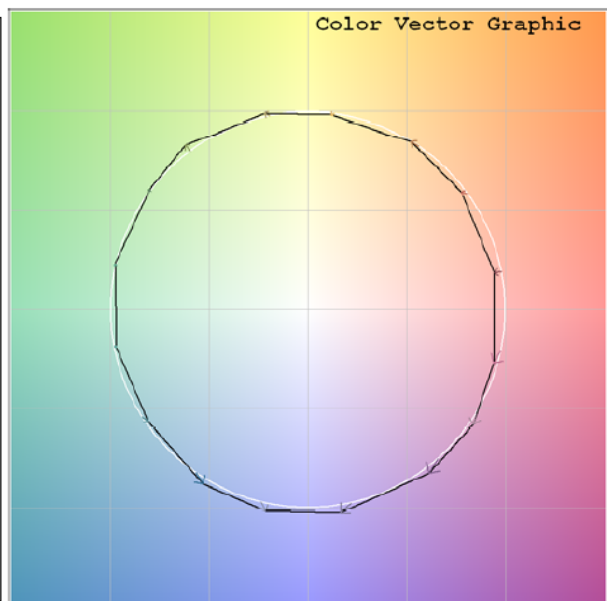
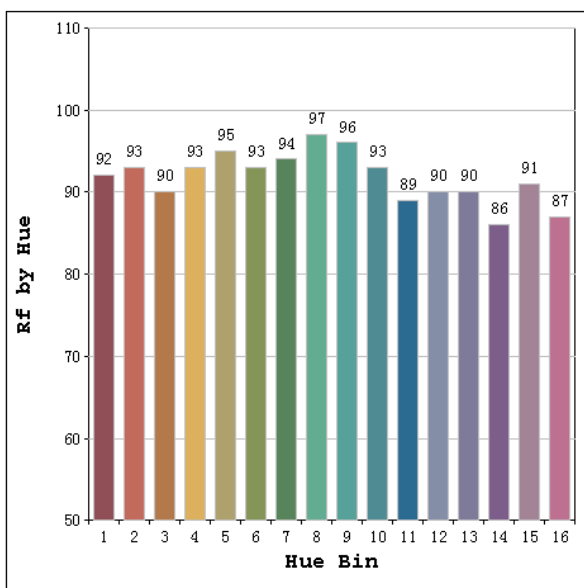
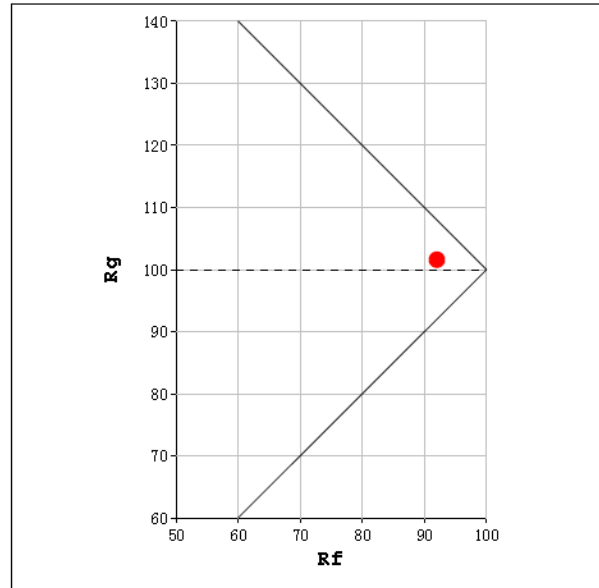
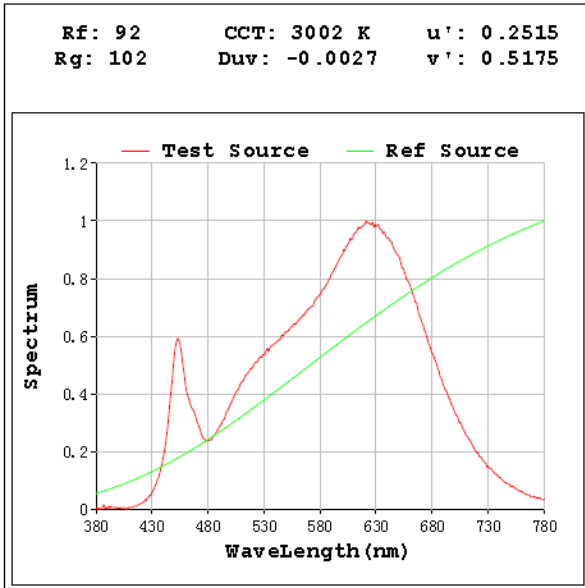
Photometric Measurement – Goniophotometer Method:

Parameter	Result
Test Voltage (V)	120.0
Frequency (Hz)	60
Total Luminous (lm)	870.5
Luminous Efficacy (lm/W)	87.05
Beam Angle (°)	110.7
Center Beam Candle Power (cd)	293.6

Spectral Power Distribution & Chromaticity Diagram



TM30



Zonal Lumen Tabulation

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	225.6	25.9%
0-40	367.4	42.2%
0-60	646.2	74.2%
60-90	199.5	22.9%
70-100	104.3	12.0%
90-120	12.8	1.5%
0-90	845.7	97.1%
90-180	24.9	2.9%
0-180	870.5	100.0%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	27.7	3.2%	90-100	8.4	1.0%
10-20	79.0	9.1%	100-110	2.2	0.2%
20-30	118.8	13.6%	110-120	2.2	0.3%
30-40	141.9	16.3%	120-130	2.9	0.3%
40-50	146.2	16.8%	130-140	3.1	0.4%
50-60	132.5	15.2%	140-150	2.7	0.3%
60-70	103.7	11.9%	150-160	2.0	0.2%
70-80	65.8	7.6%	160-170	1.0	0.1%
80-90	30.1	3.5%	170-180	0.3	0.0%

Photometric Data

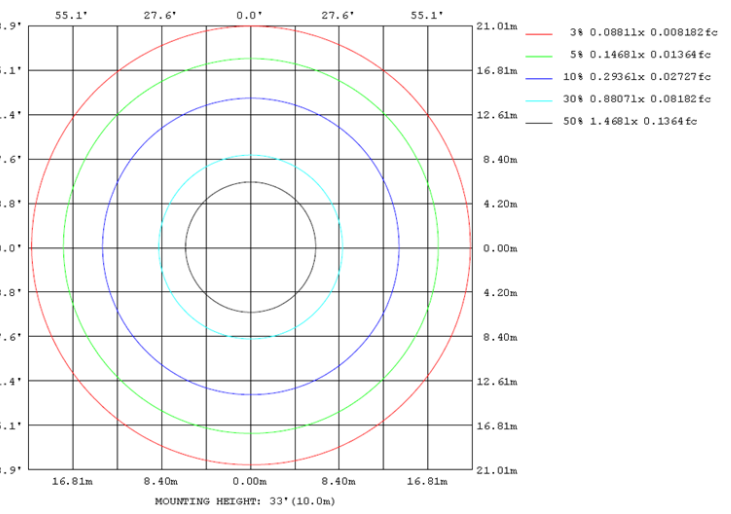
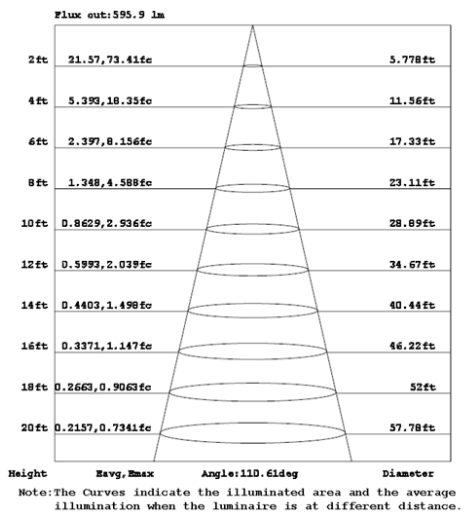
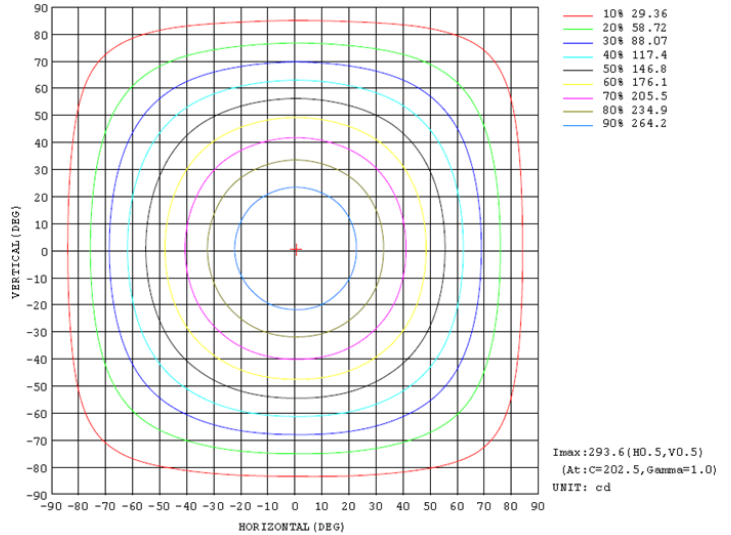
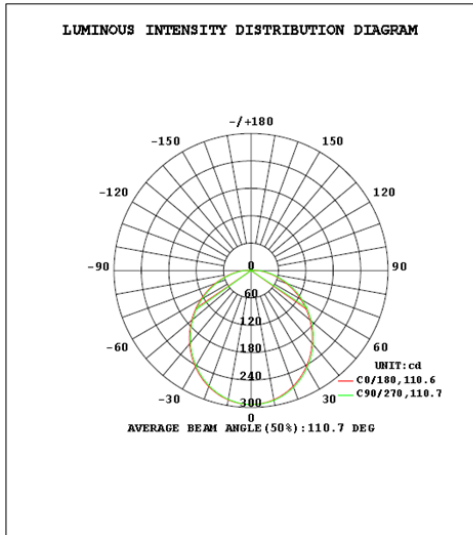


Table--1

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	293	293	293	293	293	293	293	293	293	293	293	293	293	293	293	293				
5	292	292	292	292	291	291	291	292	292	292	292	292	292	292	292	292				
10	288	288	287	287	286	286	286	287	287	287	288	288	289	288	289	288				
15	280	280	280	280	279	279	279	279	280	280	281	281	282	282	282	281				
20	271	271	269	269	268	268	268	269	270	270	271	272	272	272	272	272				
25	258	258	257	257	256	256	256	256	257	258	259	259	260	260	260	260				
30	244	244	242	242	241	241	240	241	242	243	245	245	246	246	246	245				
35	227	227	226	225	224	224	223	225	226	227	228	229	230	230	230	229				
40	210	209	207	207	206	206	205	206	208	209	210	211	212	212	212	211				
45	190	190	188	188	186	186	186	187	189	189	191	192	193	193	193	192				
50	170	170	168	167	166	166	165	166	168	169	171	172	173	173	173	172				
55	149	148	146	146	145	145	144	145	147	148	150	151	152	152	152	151				
60	127	127	125	124	123	123	122	124	126	127	128	129	130	130	130	129				
65	105	105	103	102	101	101	101	102	104	105	107	107	109	108	108	107				
70	83.5	83.0	81.2	80.8	79.3	79.5	79.0	80.2	82.1	82.9	84.9	85.5	86.8	86.4	86.7	85.4				
75	62.5	62.1	60.4	60.0	58.7	58.8	58.4	59.5	61.2	62.1	63.9	64.5	65.7	65.3	65.5	64.3				
80	43.3	42.9	41.5	41.2	40.1	40.3	39.8	40.8	42.3	42.9	44.6	45.1	46.3	45.9	46.0	44.9				
85	27.0	26.7	25.7	25.5	24.7	24.8	24.5	25.2	26.3	26.8	28.2	28.6	29.6	29.2	29.3	28.3				
90	14.7	14.6	14.0	13.9	13.4	13.5	13.2	13.7	14.4	14.7	15.7	16.0	16.6	16.3	16.3	15.6				
95	6.93	6.96	6.55	6.69	6.40	6.46	6.21	6.43	6.81	7.01	7.57	7.72	8.02	7.80	7.73	7.34				
100	3.07	3.00	2.83	2.91	2.91	3.00	2.97	3.01	3.11	3.17	3.24	3.28	3.35	3.32	3.33	3.26				
105	1.96	1.96	1.83	1.86	2.07	2.13	2.17	1.98	1.89	1.83	1.57	1.60	1.58	1.59	1.67	1.79				
110	1.93	2.10	1.87	2.06	2.22	2.28	2.14	2.11	1.84	1.68	1.26	1.29	1.42	1.41	1.54	1.74				
115	2.49	2.70	2.52	2.74	2.80	2.69	2.27	2.31	2.11	1.88	1.38	1.52	1.85	1.92	1.81	2.24				
120	3.06	3.46	3.50	3.72	3.58	3.19	2.69	2.75	2.65	2.66	1.80	1.78	2.54	2.46	2.41	2.43				
125	3.46	3.79	4.10	4.22	3.88	3.29	3.10	3.12	2.73	3.17	2.96	2.84	3.22	2.92	2.88	2.88				
130	3.60	4.26	4.33	4.48	4.29	3.51	3.53	3.58	3.19	3.75	3.52	3.91	3.41	3.30	3.26	3.44				
135	3.63	4.48	4.51	4.61	4.70	3.85	3.91	3.88	3.63	4.04	3.89	4.09	4.04	3.26	3.42	3.64				
140	4.23	4.68	4.67	4.71	4.90	4.10	4.11	3.97	4.07	4.32	4.08	4.06	4.17	3.66	3.19	3.68				
145	4.20	4.94	4.85	4.87	5.36	4.35	3.91	4.04	4.55	4.52	4.24	4.33	4.27	3.97	2.68	3.68				
150	4.02	4.83	4.94	5.07	5.88	4.55	3.42	3.99	5.39	4.72	4.42	4.56	4.91	4.11	2.72	3.53				
155	3.34	4.67	4.95	5.31	6.16	4.26	3.24	3.64	4.99	5.36	4.63	4.87	5.62	4.11	2.87	3.05				
160	3.24	3.96	5.13	5.91	4.44	3.45	3.30	3.17	4.71	5.24	5.23	5.08	5.88	3.33	2.95	2.86				
165	3.19	3.22	3.41	3.41	3.37	3.39	3.26	3.14	2.98	3.57	5.66	4.42	3.30	3.02	3.12	2.90				
170	3.04	3.20	3.28	3.26	3.31	3.20	3.15	3.07	3.05	3.06	3.05	3.04	3.03	3.06	3.12	3.03				
175	3.11	3.15	3.12	3.13	3.13	3.14	3.12	3.13	3.12	3.10	3.11	3.08	3.11	3.09	3.11	3.09				
180	3.18	3.18	3.17	3.16	3.16	3.16	3.16	3.16	3.17	3.16	3.17	3.15	3.17	3.16	3.15	3.17				

2.1.3 Electrical, Photometric and Chromaticity Measurements

Test date	2023-10-26	Test Ambient:	25.3 °C
Test Orientation	As intended	Stabilization Time (min)	90
Model Number	DSK34-4/LCB	3500K	

Electrical Measurement:

Sample No.	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
202310210041	120.0	60	0.085	10.00	0.981

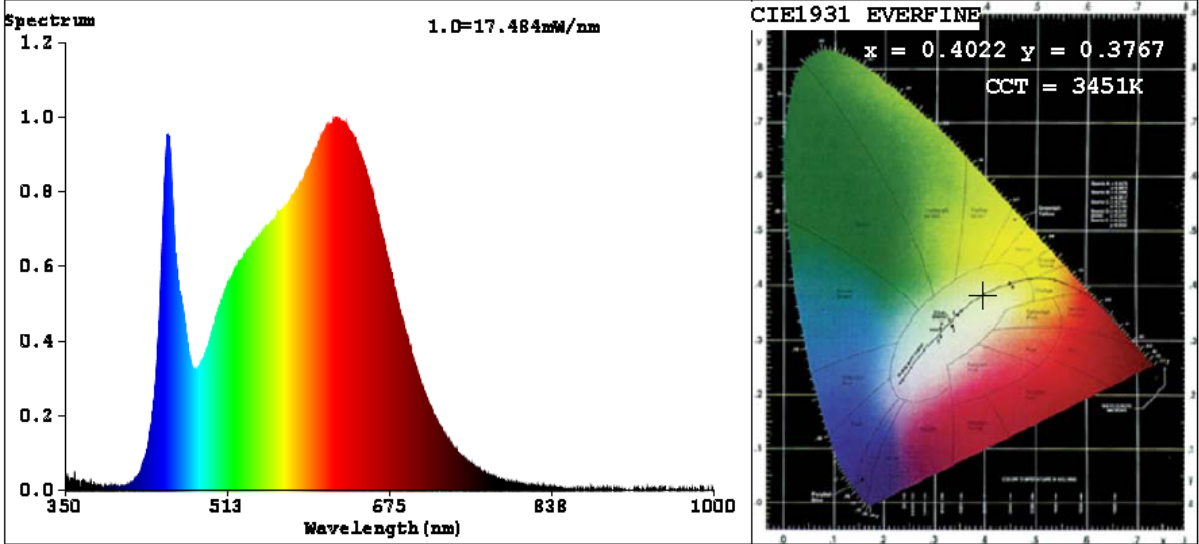
Chromaticity Measurement - Sphere-Spectroradiometer Method:

Parameter	Result	Special Color Rendering Indices			
Test Voltage (V)	120	R1	98	R9	84
Frequency (Hz)	60	R2	98	R10	97
CCT (K)	3451	R3	98	R11	96
Duv	-0.0056	R4	97	R12	80
Chromaticity (x, y)	x=0.4022 y=0.3767	R5	98	R13	99
Chromaticity (u', v')	u'=0.2395 v'=0.5048	R6	95	R14	98
Color Rendering Index (CRI)	96.4	R7	95	R15	98
R9	84	R8	92	--	--

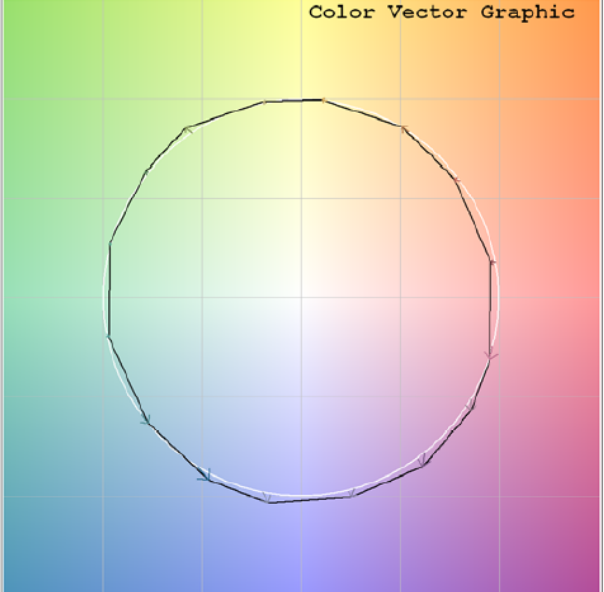
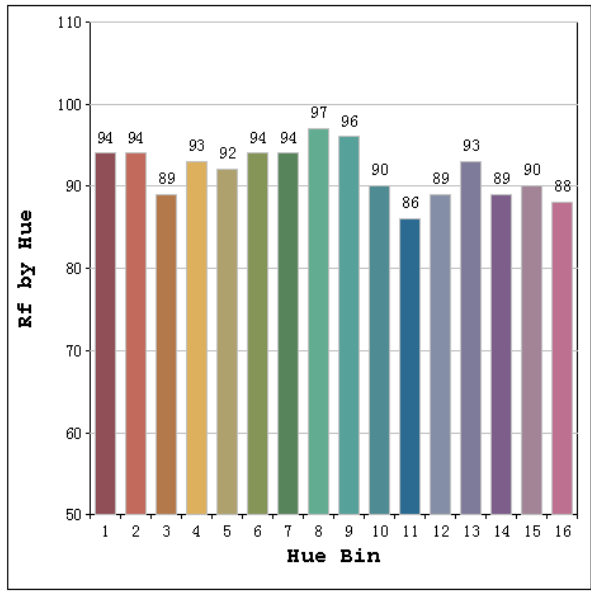
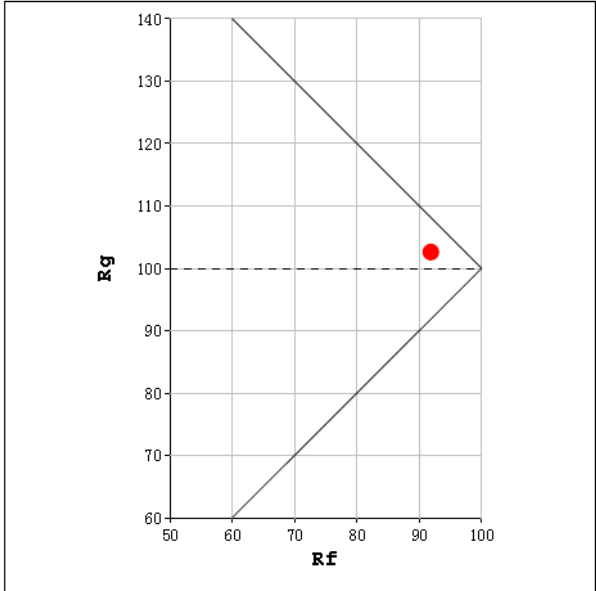
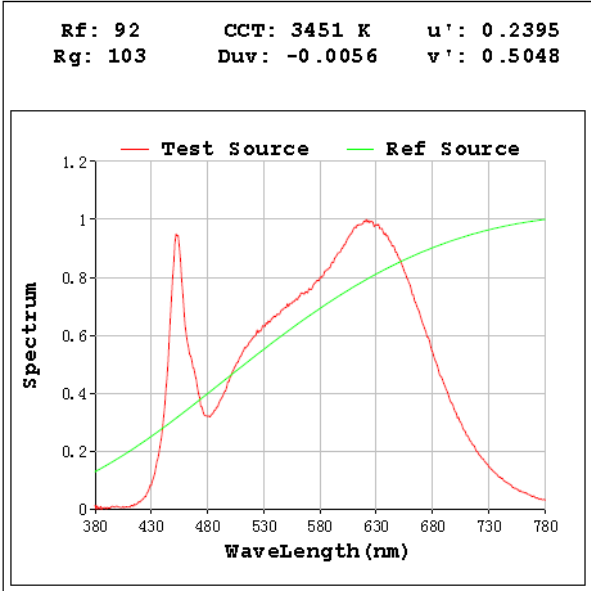
Photometric Measurement – Goniophotometer Method:

Parameter	Result
Test Voltage (V)	120.0
Frequency (Hz)	60
Total Luminous (lm)	909.1
Luminous Efficacy (lm/W)	90.91
Beam Angle (°)	110.8
Center Beam Candle Power (cd)	306.4

Spectral Power Distribution & Chromaticity Diagram



TM30



Zonal Lumen Tabulation

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	235.4	25.9%
0-40	383.6	42.2%
0-60	674.7	74.2%
60-90	208.5	22.9%
70-100	108.9	12.0%
90-120	13.3	1.5%
0-90	883.2	97.2%
90-180	25.9	2.9%
0-180	909.1	100.0%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	28.9	3.2%	90-100	8.7	1.0%
10-20	82.5	9.1%	100-110	2.3	0.2%
20-30	124.0	13.6%	110-120	2.3	0.3%
30-40	148.1	16.3%	120-130	3.1	0.3%
40-50	152.7	16.8%	130-140	3.2	0.4%
50-60	138.4	15.2%	140-150	2.8	0.3%
60-70	108.3	11.9%	150-160	2.1	0.2%
70-80	68.8	7.6%	160-170	1.1	0.1%
80-90	31.4	3.4%	170-180	0.3	0.0%

Photometric Data

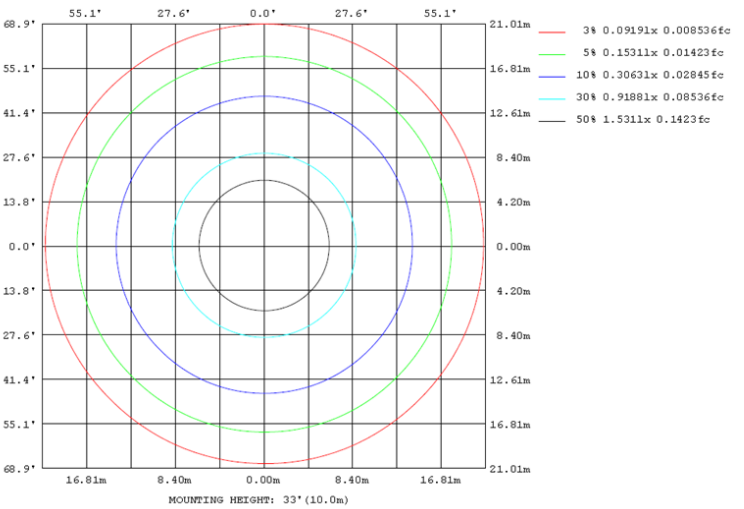
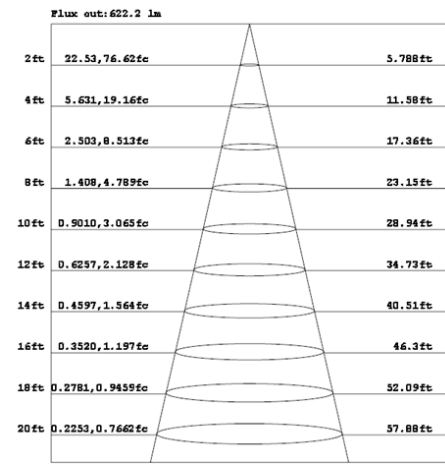
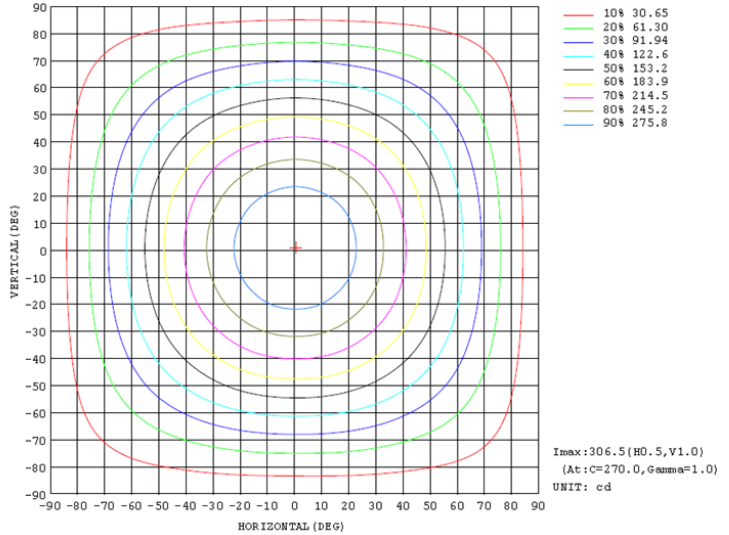
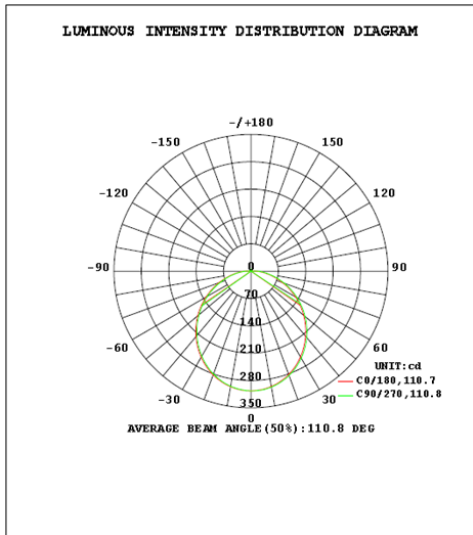


Table--1

UNIT: cd

C (DEG) γ (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	306	306	306	306	306	306	306	306	306	306	306	306	306	306	306	306			
5	305	305	304	304	304	304	304	304	305	305	305	305	305	305	305	305			
10	300	300	300	299	299	299	299	299	300	300	301	301	301	301	301	301			
15	293	293	292	292	291	291	291	291	292	292	293	293	294	294	294	294			
20	283	282	281	281	280	280	280	280	281	282	283	283	284	284	284	283			
25	270	269	268	268	267	267	266	267	269	269	270	271	272	271	272	271			
30	254	254	253	253	251	251	251	252	253	254	255	256	257	257	257	256			
35	237	237	236	235	234	234	233	234	236	237	238	239	240	240	240	239			
40	219	218	217	216	215	215	214	215	217	218	220	220	222	221	222	221			
45	199	198	196	196	195	195	194	195	197	198	200	200	202	201	202	200			
50	178	177	175	175	173	173	173	174	176	177	179	179	181	180	181	179			
55	156	155	153	153	151	151	151	152	154	155	157	157	159	158	159	157			
60	133	132	130	130	128	129	128	129	131	132	134	135	136	136	136	135			
65	110	109	108	107	106	106	105	106	108	109	111	112	114	113	113	112			
70	87.3	86.7	84.8	84.4	83.0	83.1	82.7	83.9	85.8	86.8	88.9	89.4	90.8	90.3	90.7	89.3			
75	65.3	64.8	63.1	62.7	61.4	61.5	61.1	62.3	64.1	64.9	66.8	67.4	68.7	68.3	68.6	67.2			
80	45.3	44.8	43.4	43.1	42.0	42.1	41.7	42.7	44.2	44.9	46.7	47.1	48.4	47.9	48.1	46.8			
85	28.2	27.8	26.7	26.6	25.8	25.9	25.5	26.3	27.5	28.0	29.4	29.8	30.8	30.4	30.6	29.5			
90	15.3	15.2	14.5	14.5	13.9	14.0	13.8	14.2	15.0	15.3	16.3	16.6	17.3	16.9	17.0	16.2			
95	7.17	7.18	6.80	6.90	6.62	6.68	6.42	6.67	7.02	7.25	7.81	7.98	8.29	8.07	8.00	7.60			
100	3.17	3.09	2.93	3.01	3.01	3.09	3.07	3.12	3.23	3.27	3.34	3.38	3.45	3.41	3.43	3.39			
105	2.04	2.02	1.91	1.94	2.15	2.21	2.26	2.08	1.97	1.90	1.63	1.66	1.64	1.64	1.74	1.87			
110	2.01	2.18	1.95	2.15	2.31	2.37	2.23	2.19	1.92	1.76	1.37	1.35	1.48	1.47	1.59	1.81			
115	2.59	2.81	2.64	2.86	2.91	2.79	2.37	2.41	2.19	1.97	1.44	1.58	1.93	1.99	1.90	2.33			
120	3.17	3.59	3.68	3.89	3.70	3.32	2.81	2.86	2.74	2.76	1.88	1.88	2.65	2.56	2.51	2.53			
125	3.58	3.97	4.40	4.48	4.03	3.43	3.24	3.23	2.85	3.28	3.15	2.99	3.35	3.05	3.02	3.00			
130	3.73	4.46	4.64	4.79	4.44	3.65	3.68	3.71	3.29	3.90	3.76	4.18	3.52	3.45	3.41	3.58			
135	3.77	4.71	4.82	4.90	4.86	4.00	4.09	4.03	3.77	4.23	4.16	4.39	4.21	3.40	3.55	3.77			
140	4.36	4.91	4.95	5.00	5.10	4.27	4.30	4.10	4.21	4.55	4.34	4.31	4.39	3.81	3.33	3.82			
145	4.33	5.21	5.12	5.15	5.63	4.52	4.08	4.20	4.67	4.84	4.50	4.58	4.50	4.12	2.80	3.83			
150	4.10	5.12	5.22	5.41	6.07	4.72	3.58	4.14	5.48	5.03	4.67	4.82	5.21	4.27	2.85	3.67			
155	3.49	4.76	5.26	5.70	6.33	4.39	3.39	3.79	5.11	5.65	4.91	5.26	5.81	4.22	3.02	3.17			
160	3.36	4.09	5.50	6.21	4.56	3.58	3.46	3.31	4.74	5.55	5.74	5.53	5.99	3.46	3.05	2.98			
165	3.32	3.34	3.54	3.56	3.51	3.52	3.41	3.30	3.11	3.70	5.59	4.51	3.45	3.12	3.26	3.03			
170	3.18	3.35	3.41	3.45	3.42	3.35	3.29	3.21	3.18	3.16	3.18	3.17	3.17	3.20	3.26	3.18			
175	3.26	3.30	3.29	3.27	3.27	3.29	3.28	3.27	3.26	3.23	3.25	3.23	3.24	3.23	3.25	3.24			
180	3.31	3.32	3.30	3.30	3.31	3.32	3.31	3.31	3.31	3.31	3.31	3.31	3.32	3.30	3.31	3.31			

2.1.4 Electrical, Photometric and Chromaticity Measurements

Test date	2023-10-26	Test Ambient:	25.3 °C
Test Orientation	As intended	Stabilization Time (min)	90
Model Number	DSK34-4/LCB	4000K	

Electrical Measurement:

Sample No.	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
202310210041	120.0	60	0.084	9.95	0.981

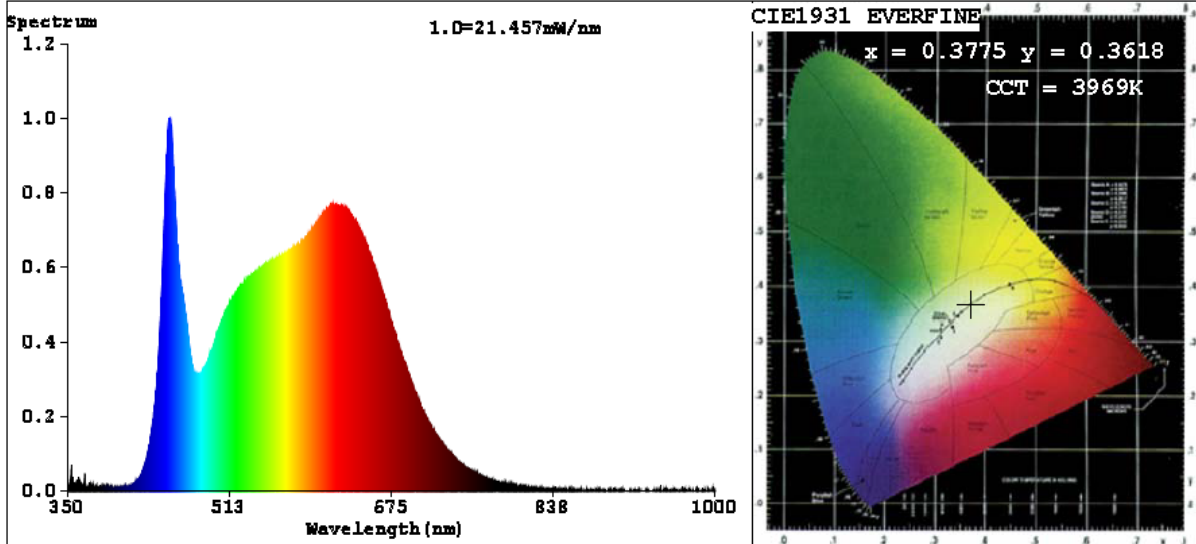
Chromaticity Measurement - Sphere-Spectroradiometer Method:

Parameter	Result	Special Color Rendering Indices			
Test Voltage (V)	120	R1	98	R9	89
Frequency (Hz)	60	R2	98	R10	97
CCT (K)	3969	R3	97	R11	96
Duv	-0.0060	R4	97	R12	76
Chromaticity (x, y)	x=0.3775 y=0.3618	R5	98	R13	99
Chromaticity (u', v')	u'=0.2292 v'=0.4944	R6	94	R14	98
Color Rendering Index (CRI)	96.6	R7	96	R15	98
R9	89	R8	95	--	--

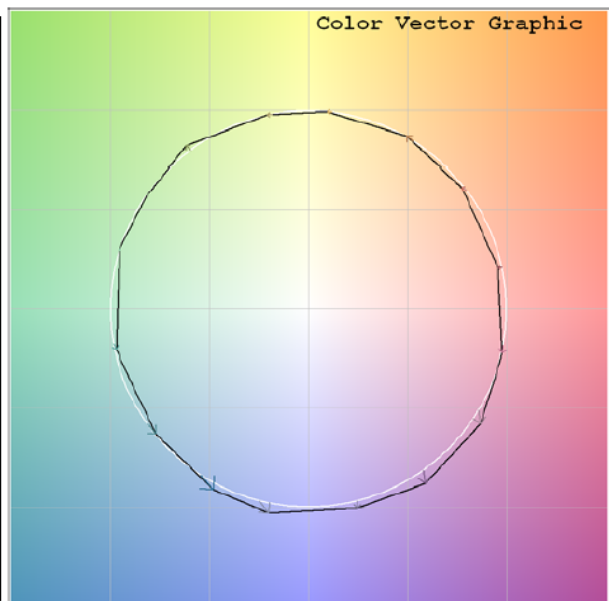
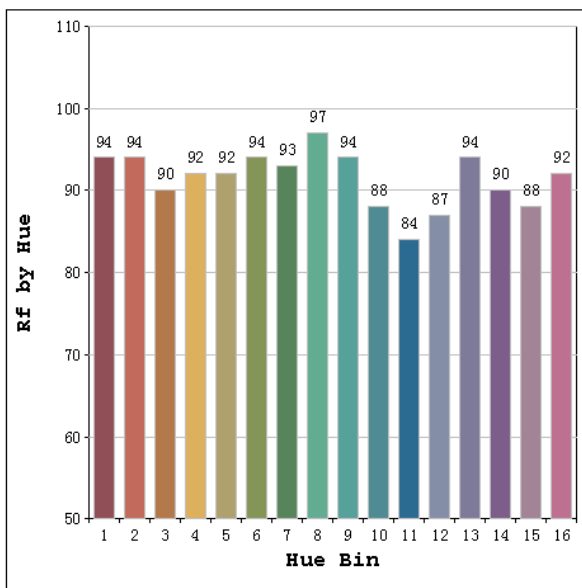
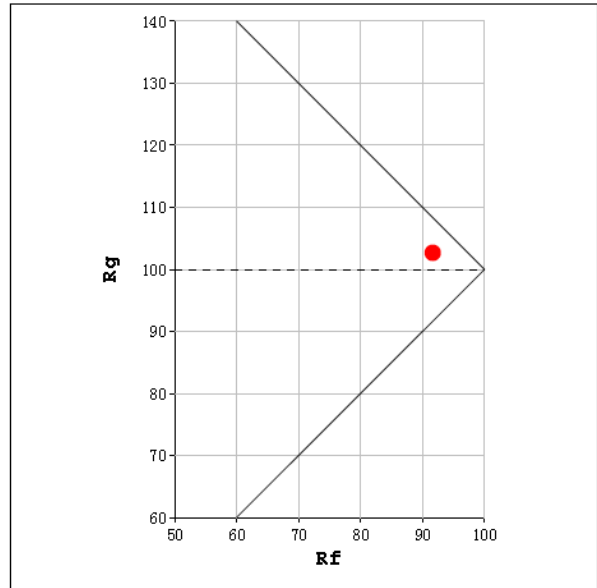
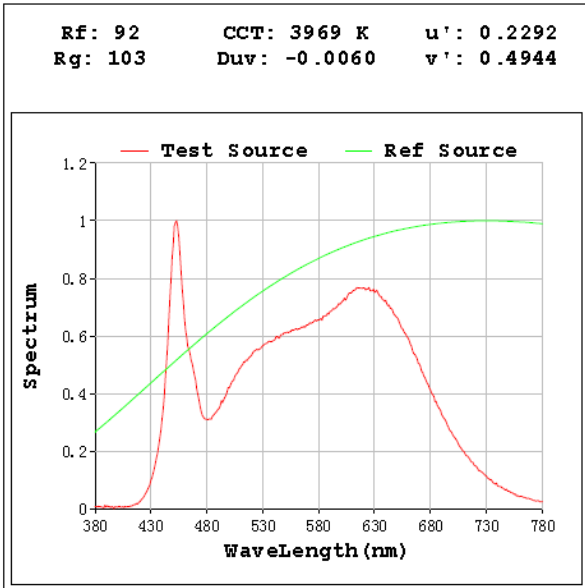
Photometric Measurement – Goniophotometer Method:

Parameter	Result
Test Voltage (V)	120.0
Frequency (Hz)	60
Total Luminous (lm)	935.9
Luminous Efficacy (lm/W)	94.06
Beam Angle (°)	110.8
Center Beam Candle Power (cd)	315.1

Spectral Power Distribution & Chromaticity Diagram



TM30



Zonal Lumen Tabulation

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	242.2	25.9%
0-40	394.7	42.2%
0-60	694.5	74.2%
60-90	214.8	23.0%
70-100	112.1	12.0%
90-120	13.6	1.4%
0-90	909.3	97.2%
90-180	26.6	2.8%
0-180	935.9	100.0%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	29.8	3.2%	90-100	8.9	1.0%
10-20	84.9	9.1%	100-110	2.3	0.2%
20-30	127.6	13.6%	110-120	2.4	0.3%
30-40	152.5	16.3%	120-130	3.2	0.3%
40-50	157.2	16.8%	130-140	3.3	0.4%
50-60	142.5	15.2%	140-150	2.9	0.3%
60-70	111.6	11.9%	150-160	2.2	0.2%
70-80	70.9	7.6%	160-170	1.1	0.1%
80-90	32.3	3.4%	170-180	0.3	0.0%

Photometric Data

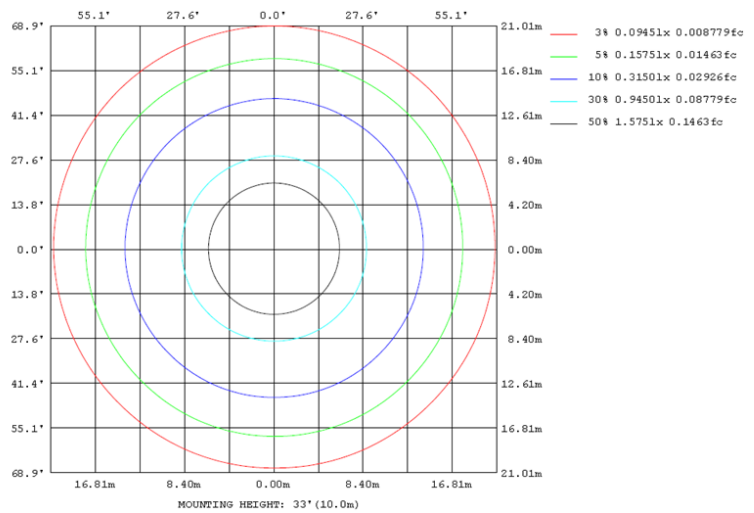
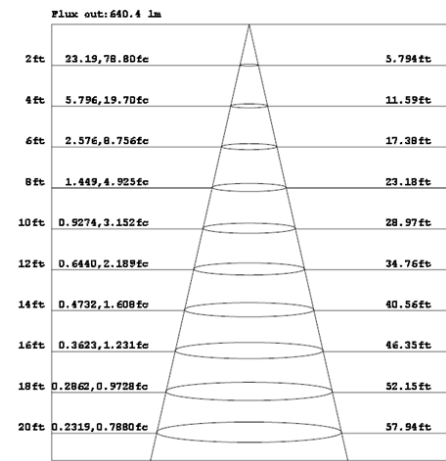
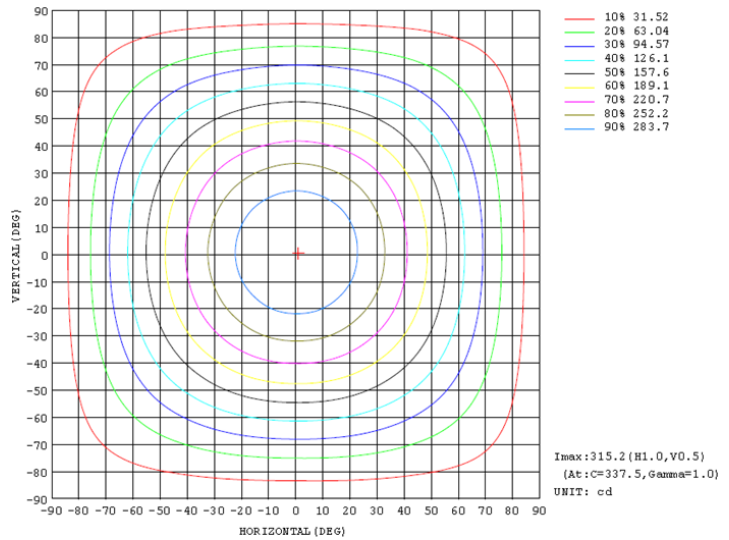
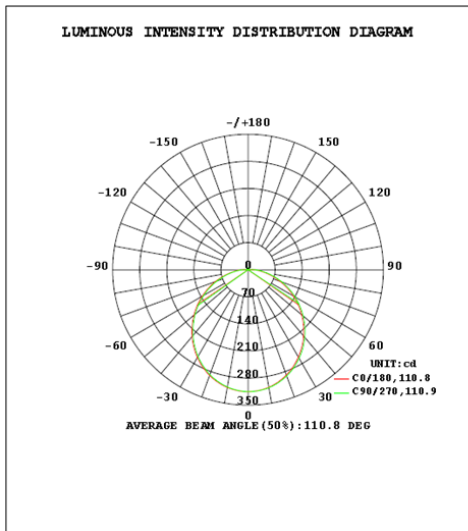


Table--1

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	315	315	315	315	315	315	315	315	315	315	315	315	315	315	315	315				
5	314	313	313	313	313	313	313	313	313	313	314	314	314	314	314	314				
10	309	309	308	308	308	308	307	308	308	309	309	309	310	310	310	310				
15	301	301	300	300	299	299	299	300	300	301	302	302	302	302	303	302				
20	291	290	290	289	288	288	288	289	290	290	291	292	292	292	292	292				
25	277	277	276	275	275	275	274	275	276	277	278	279	280	279	280	279				
30	262	262	260	260	259	259	258	259	261	261	263	263	264	264	264	263				
35	244	244	243	242	241	241	240	241	243	244	245	246	247	247	247	246				
40	225	225	223	223	221	221	221	222	223	224	226	227	228	228	228	227				
45	204	204	202	202	200	201	200	201	203	204	206	206	208	207	208	206				
50	183	182	180	180	178	179	178	179	181	182	184	185	186	186	186	185				
55	160	160	158	157	156	156	155	156	158	159	162	162	164	163	163	162				
60	137	136	134	134	132	132	132	133	135	136	138	139	140	140	140	139				
65	113	113	111	110	109	109	108	110	112	113	115	116	117	117	117	115				
70	89.9	89.3	87.5	87.0	85.4	85.7	85.1	86.5	88.5	89.4	91.5	92.1	93.5	93.1	93.3	91.9				
75	67.3	66.8	65.0	64.7	63.3	63.5	63.0	64.2	66.1	66.9	68.9	69.5	70.8	70.4	70.6	69.2				
80	46.6	46.1	44.6	44.3	43.3	43.4	43.0	44.0	45.6	46.3	48.1	48.6	49.8	49.4	49.5	48.2				
85	28.9	28.6	27.5	27.4	26.5	26.7	26.3	27.1	28.4	28.8	30.3	30.7	31.7	31.3	31.4	30.3				
90	15.7	15.5	14.8	14.8	14.3	14.4	14.1	14.6	15.4	15.7	16.8	17.1	17.7	17.4	17.4	16.6				
95	7.32	7.31	6.93	7.05	6.76	6.81	6.56	6.84	7.18	7.43	8.00	8.14	8.47	8.23	8.17	7.74				
100	3.24	3.16	2.99	3.07	3.08	3.16	3.13	3.19	3.29	3.33	3.40	3.46	3.53	3.47	3.50	3.44				
105	2.08	2.07	1.96	1.99	2.19	2.27	2.31	2.12	2.01	1.95	1.67	1.69	1.69	1.69	1.80	1.91				
110	2.06	2.24	2.02	2.22	2.36	2.44	2.28	2.26	1.97	1.80	1.35	1.39	1.53	1.51	1.63	1.86				
115	2.66	2.89	2.72	2.95	2.99	2.86	2.43	2.47	2.26	2.02	1.48	1.63	1.98	2.02	1.94	2.39				
120	3.30	3.67	3.78	4.01	3.77	3.40	2.91	2.93	2.83	2.81	1.93	1.94	2.71	2.63	2.59	2.60				
125	3.68	4.07	4.61	4.68	4.09	3.52	3.33	3.32	2.91	3.33	3.27	3.10	3.41	3.14	3.10	3.08				
130	3.81	4.61	4.88	5.03	4.52	3.76	3.78	3.80	3.38	3.99	3.95	4.39	3.60	3.55	3.52	3.68				
135	3.86	4.87	5.05	5.14	4.95	4.12	4.19	4.13	3.86	4.36	4.36	4.61	4.30	3.48	3.69	3.87				
140	4.44	5.06	5.16	5.22	5.22	4.38	4.41	4.22	4.31	4.71	4.54	4.52	4.52	3.90	3.43	3.92				
145	4.42	5.44	5.30	5.34	5.83	4.62	4.19	4.30	4.76	5.07	4.69	4.81	4.65	4.24	2.90	3.94				
150	4.14	5.34	5.41	5.68	6.19	4.82	3.70	4.25	5.51	5.28	4.84	5.03	5.45	4.41	2.93	3.75				
155	3.58	4.79	5.54	6.01	6.43	4.46	3.49	3.88	5.16	5.87	5.13	5.59	5.93	4.30	3.12	3.25				
160	3.45	4.13	5.77	6.46	4.61	3.68	3.55	3.37	4.73	5.79	6.16	5.91	6.03	3.56	3.13	3.04				
165	3.42	3.44	3.64	3.64	3.61	3.61	3.49	3.36	3.20	3.78	5.48	4.51	3.56	3.22	3.33	3.13				
170	3.32	3.44	3.52	3.53	3.52	3.45	3.38	3.31	3.29	3.27	3.28	3.28	3.27	3.32	3.36	3.30				
175	3.37	3.38	3.37	3.38	3.36	3.36	3.37	3.38	3.37	3.33	3.34	3.34	3.35	3.32	3.35	3.35				
180	3.41	3.40	3.40	3.41	3.39	3.39	3.39	3.40	3.41	3.40	3.41	3.40	3.40	3.39	3.39	3.39				

2.1.5 Electrical, Photometric and Chromaticity Measurements

Test date	2023-10-26	Test Ambient:	25.3 °C
Test Orientation	As intended	Stabilization Time (min)	90
Model Number	DSK34-4/LCB	5000K	

Electrical Measurement:

Sample No.	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
202310210041	120.0	60	0.085	10.00	0.981

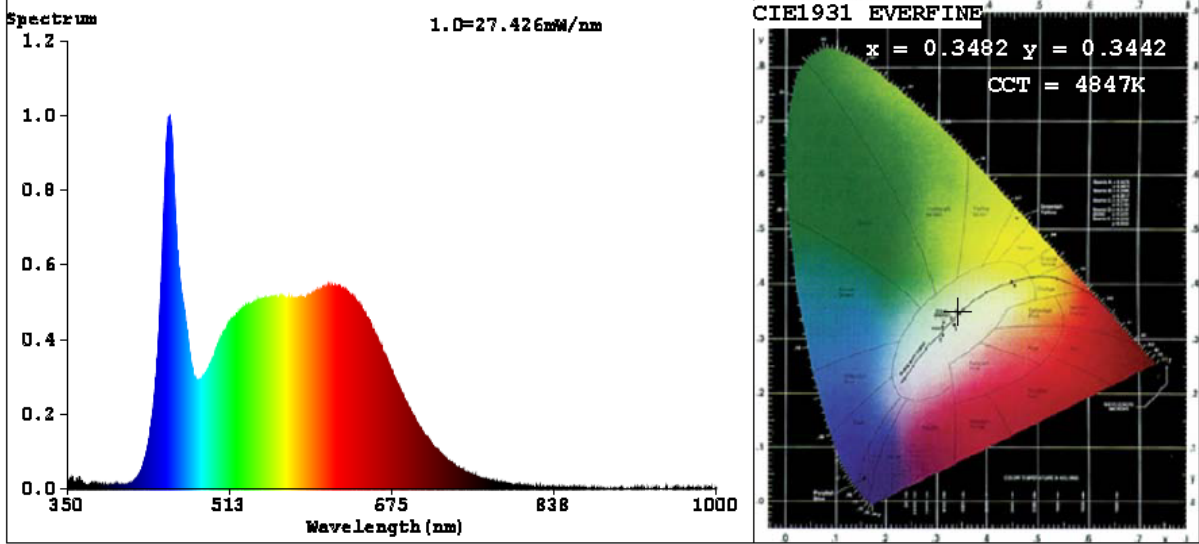
Chromaticity Measurement - Sphere-Spectroradiometer Method:

Parameter	Result	Special Color Rendering Indices			
Test Voltage (V)	120	R1	97	R9	91
Frequency (Hz)	60	R2	98	R10	94
CCT (K)	4847	R3	95	R11	96
Duv	-0.0051	R4	97	R12	70
Chromaticity (x, y)	x=0.3482 y=0.3442	R5	96	R13	99
Chromaticity (u', v')	u'=0.2165 v'=0.4815	R6	93	R14	97
Color Rendering Index (CRI)	96.2	R7	97	R15	97
R9	91	R8	96	--	--

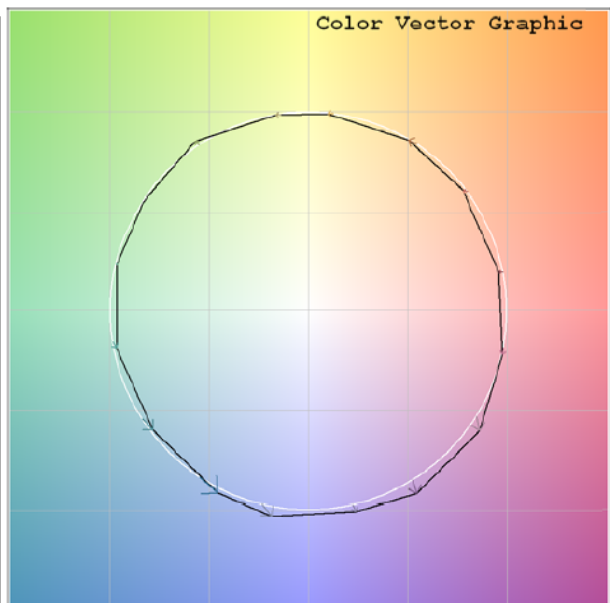
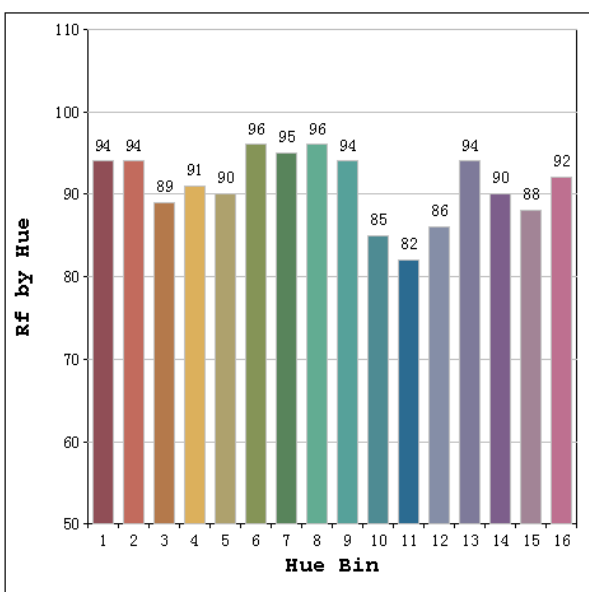
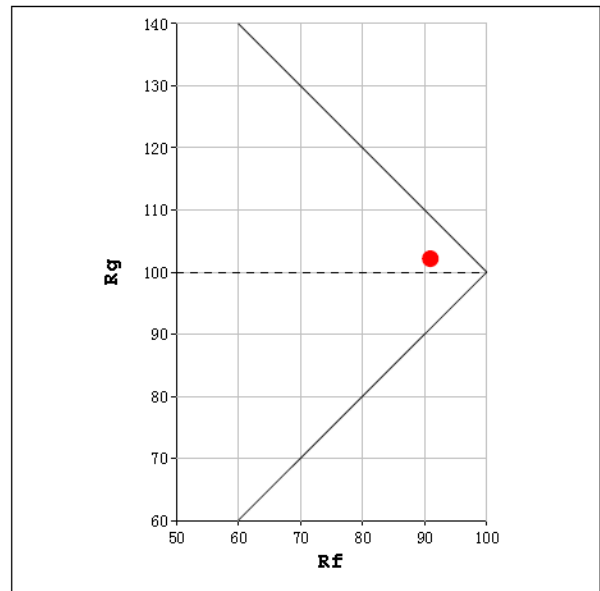
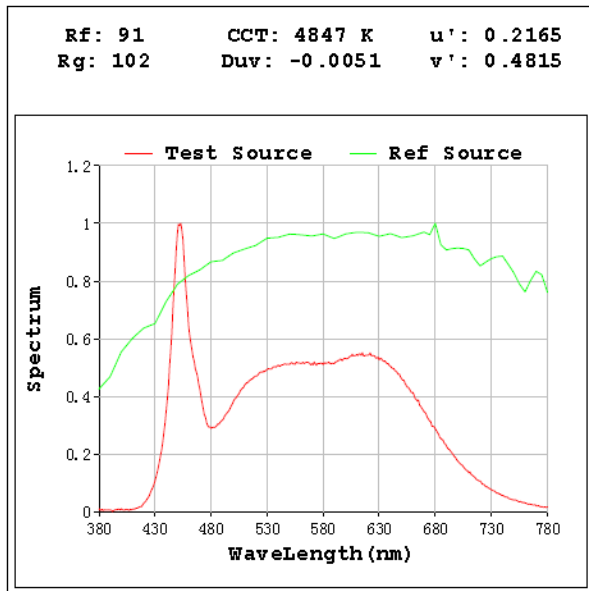
Photometric Measurement – Goniophotometer Method:

Parameter	Result
Test Voltage (V)	120.0
Frequency (Hz)	60
Total Luminous (lm)	969.5
Luminous Efficacy (lm/W)	96.95
Beam Angle (°)	111.0
Center Beam Candle Power (cd)	326.0

Spectral Power Distribution & Chromaticity Diagram



TM30

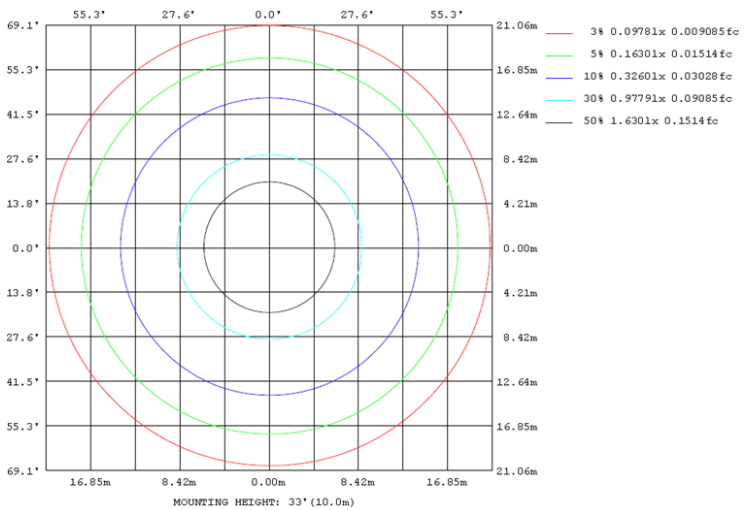
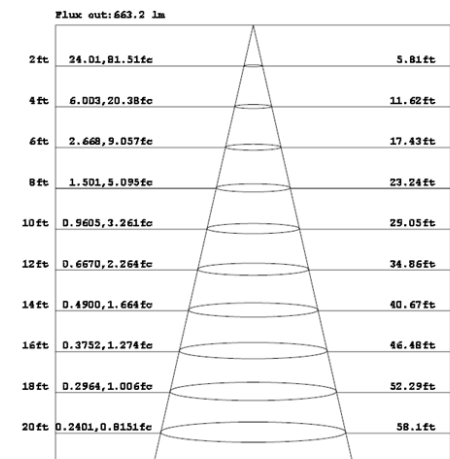
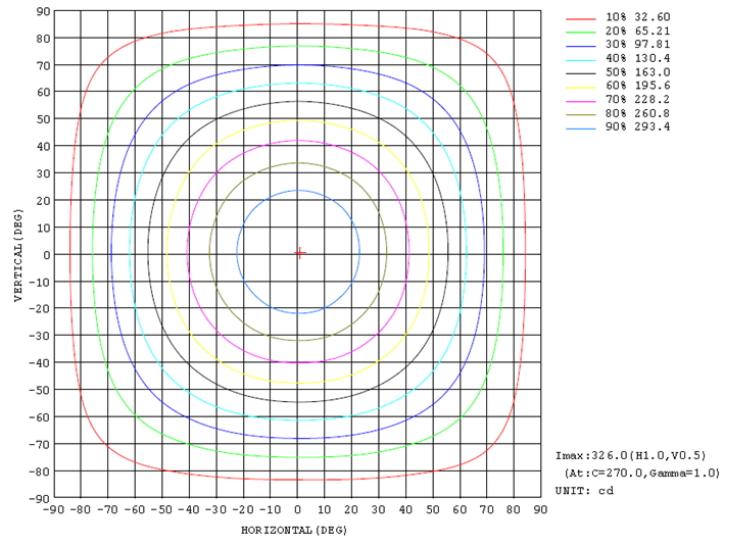
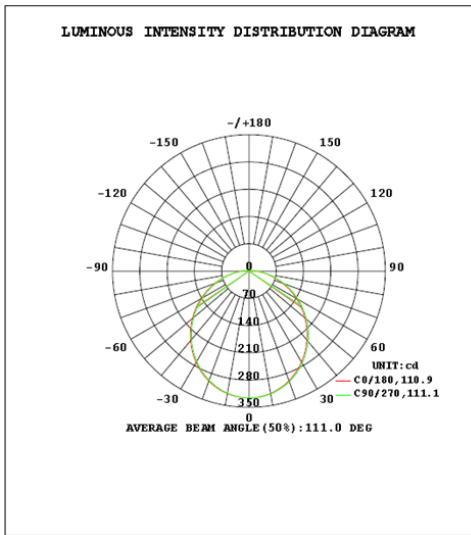


Zonal Lumen Tabulation

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	250.7	25.9%
0-40	408.6	42.1%
0-60	719.3	74.2%
60-90	222.8	23.0%
70-100	116.1	12.0%
90-120	13.9	1.4%
0-90	942.1	97.2%
90-180	27.4	2.8%
0-180	969.5	100.0%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	30.8	3.2%	90-100	9.1	0.9%
10-20	87.8	9.1%	100-110	2.4	0.2%
20-30	132.1	13.6%	110-120	2.4	0.3%
30-40	157.9	16.3%	120-130	3.3	0.3%
40-50	162.9	16.8%	130-140	3.5	0.4%
50-60	147.8	15.2%	140-150	3.0	0.3%
60-70	115.8	11.9%	150-160	2.3	0.2%
70-80	73.6	7.6%	160-170	1.1	0.1%
80-90	33.4	3.4%	170-180	0.3	0.0%

Photometric Data



Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

Table--1

UNIT: cd

C (DEG) γ (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	326	326	326	326	326	326	326	326	326	326	326	326	326	326	326	326			
5	324	324	324	324	324	324	324	324	324	324	324	325	325	325	325	325			
10	320	319	319	319	318	318	318	318	319	319	320	320	321	320	321	320			
15	312	311	311	310	310	310	310	310	311	311	312	312	313	313	313	313			
20	301	300	300	299	299	298	298	299	300	300	301	302	303	302	303	302			
25	287	287	286	285	284	284	284	285	286	286	288	288	289	289	289	289			
30	271	271	269	269	268	268	267	268	270	270	272	273	274	273	274	273			
35	253	253	251	251	249	250	249	250	252	252	254	255	256	256	256	255			
40	233	233	231	231	229	229	229	230	231	232	234	235	236	236	236	235			
45	212	211	210	209	208	208	207	208	210	211	213	214	215	215	215	214			
50	189	189	187	186	185	185	185	186	188	188	191	191	193	192	193	191			
55	166	165	163	163	162	162	161	162	164	165	167	168	170	169	169	168			
60	142	141	139	139	137	138	137	138	140	141	143	144	146	145	145	144			
65	118	117	115	114	113	113	113	114	116	117	119	120	121	121	121	120			
70	93.3	92.6	90.8	90.2	88.8	89.0	88.5	89.8	91.9	92.8	95.0	95.6	97.0	96.6	96.8	95.4			
75	69.8	69.2	67.5	67.1	65.7	65.9	65.5	66.7	68.7	69.4	71.5	72.1	73.5	73.0	73.2	71.7			
80	48.2	47.7	46.3	46.0	44.9	45.0	44.6	45.7	47.4	48.1	49.9	50.4	51.7	51.3	51.4	49.9			
85	29.9	29.6	28.4	28.3	27.4	27.6	27.2	28.0	29.4	29.9	31.4	31.8	32.8	32.4	32.5	31.3			
90	16.1	16.0	15.2	15.2	14.6	14.8	14.5	15.0	15.9	16.2	17.3	17.5	18.2	17.9	17.8	17.0			
95	7.44	7.45	7.04	7.17	6.88	6.94	6.69	6.96	7.34	7.57	8.15	8.30	8.62	8.38	8.32	7.87			
100	3.31	3.22	3.04	3.13	3.13	3.22	3.19	3.26	3.36	3.40	3.46	3.51	3.58	3.52	3.56	3.49			
105	2.14	2.16	2.00	2.05	2.26	2.33	2.36	2.19	2.06	2.00	1.72	1.74	1.75	1.73	1.83	1.95			
110	2.16	2.32	2.08	2.29	2.44	2.50	2.34	2.31	2.04	1.85	1.40	1.44	1.58	1.55	1.67	1.91			
115	2.73	2.97	2.82	3.05	3.07	2.94	2.54	2.54	2.32	2.08	1.52	1.69	2.05	2.09	2.00	2.49			
120	3.34	3.77	3.95	4.15	3.85	3.49	2.98	3.00	2.90	2.91	2.00	2.02	2.78	2.70	2.67	2.66			
125	3.73	4.19	4.94	5.00	4.16	3.63	3.44	3.39	2.99	3.38	3.47	3.26	3.48	3.25	3.21	3.12			
130	3.89	4.80	5.24	5.41	4.59	3.87	3.91	3.89	3.46	4.09	4.25	4.71	3.67	3.68	3.64	3.76			
135	3.96	5.10	5.40	5.49	5.04	4.24	4.35	4.23	3.95	4.55	4.69	4.95	4.40	3.60	3.85	3.96			
140	4.49	5.30	5.49	5.53	5.37	4.51	4.52	4.34	4.41	4.93	4.85	4.83	4.68	4.07	3.54	4.02			
145	4.47	5.78	5.60	5.65	6.10	4.75	4.32	4.42	4.83	5.40	4.98	5.05	4.87	4.37	3.00	4.05			
150	4.12	5.67	5.69	6.08	6.29	4.93	3.84	4.41	5.45	5.67	5.11	5.32	5.85	4.53	3.06	3.87			
155	3.70	4.78	5.95	6.51	6.50	4.50	3.62	3.99	5.17	6.18	5.44	6.09	6.04	4.39	3.27	3.42			
160	3.56	4.15	6.17	6.81	4.64	3.77	3.68	3.47	4.58	6.11	6.88	6.50	5.94	3.65	3.22	3.18			
165	3.53	3.55	3.76	3.74	3.74	3.75	3.62	3.48	3.31	3.88	5.15	4.46	3.67	3.33	3.45	3.26			
170	3.39	3.57	3.63	3.67	3.67	3.57	3.50	3.43	3.39	3.37	3.39	3.38	3.39	3.39	3.48	3.37			
175	3.46	3.49	3.48	3.50	3.48	3.49	3.46	3.49	3.48	3.45	3.46	3.43	3.47	3.44	3.47	3.43			
180	3.54	3.54	3.54	3.54	3.54	3.53	3.53	3.53	3.54	3.54	3.55	3.54	3.52	3.52	3.53	3.51			

2.1.6 Electrical, Photometric and Chromaticity Measurements

Test date	2023-10-26	Test Ambient:	25.3 °C
Test Orientation	As intended	Stabilization Time (min)	90
Model Number	DSK34-4/LCB	6500K	

Electrical Measurement:

Sample No.	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
202310210041	120.0	60	0.082	9.74	0.981

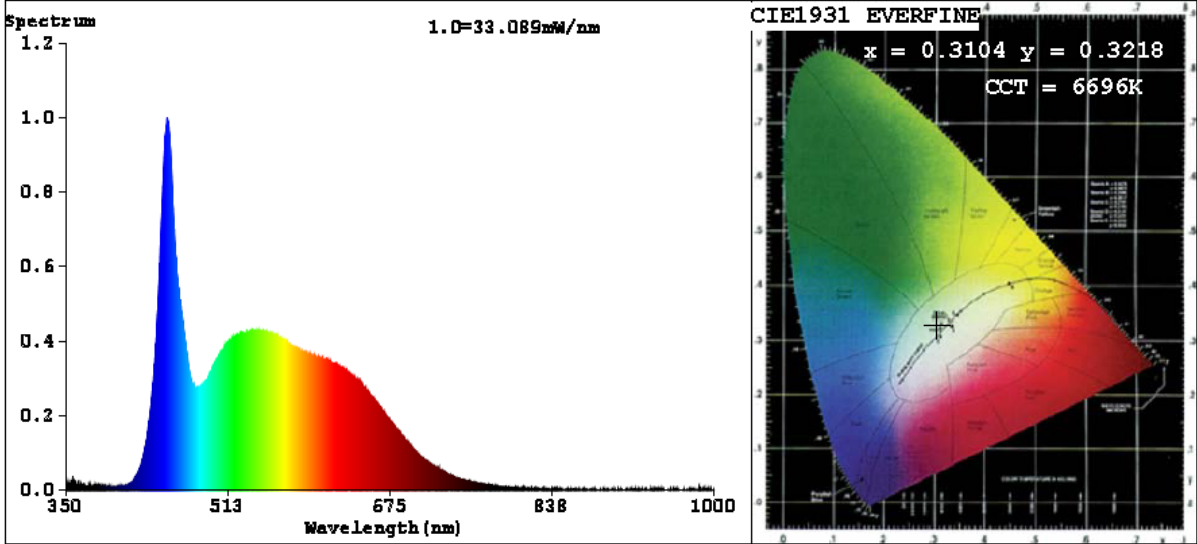
Chromaticity Measurement - Sphere-Spectroradiometer Method:

Parameter	Result	Special Color Rendering Indices			
Test Voltage (V)	120	R1	94	R9	76
Frequency (Hz)	60	R2	95	R10	85
CCT (K)	6696	R3	92	R11	93
Duv	0.0007	R4	94	R12	67
Chromaticity (x, y)	x=0.3104 y=0.3218	R5	93	R13	95
Chromaticity (u', v')	u'=0.1989 v'=0.4641	R6	90	R14	96
Color Rendering Index (CRI)	93.1	R7	96	R15	94
R9	76	R8	92	--	--

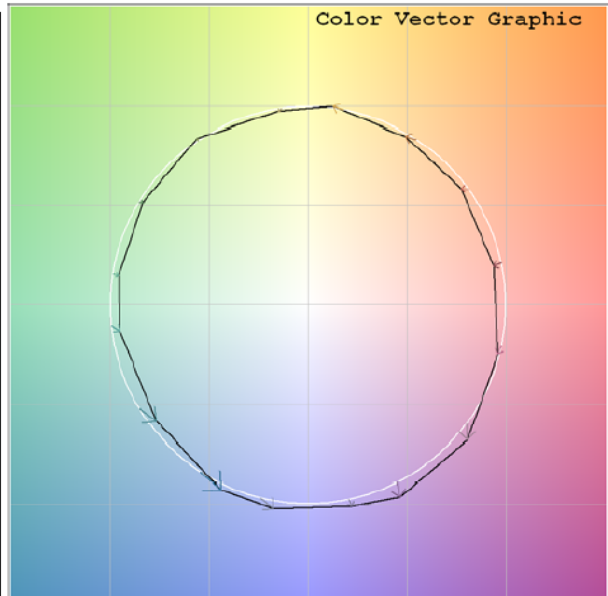
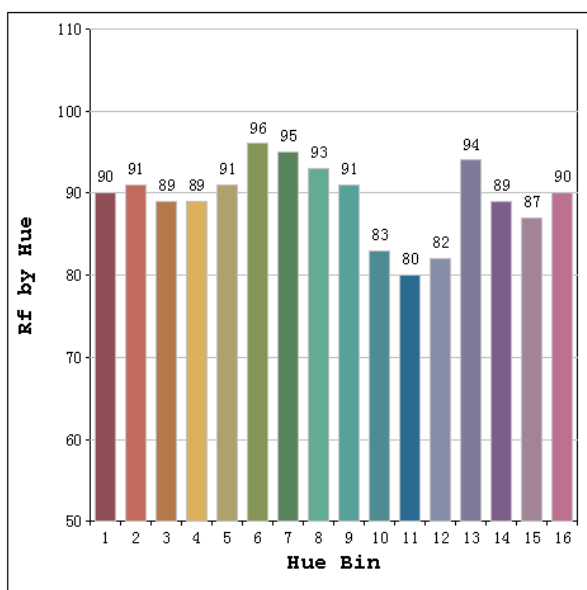
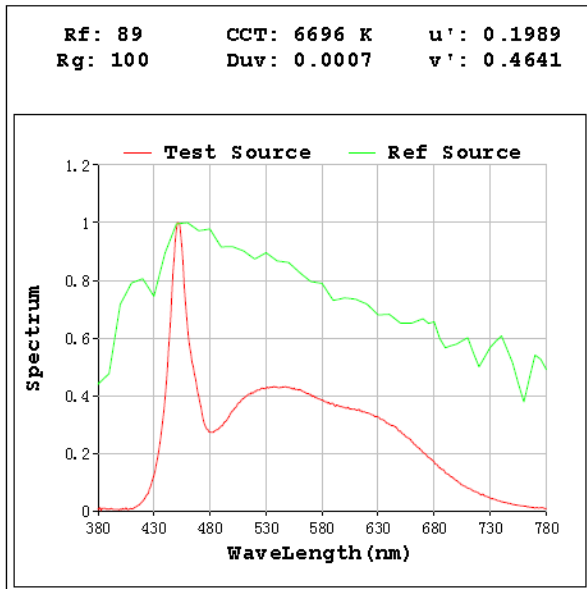
Photometric Measurement – Goniophotometer Method:

Parameter	Result
Test Voltage (V)	120.0
Frequency (Hz)	60
Total Luminous (lm)	918.9
Luminous Efficacy (lm/W)	94.35
Beam Angle (°)	111.2
Center Beam Candle Power (cd)	308.4

Spectral Power Distribution & Chromaticity Diagram



TM30



Zonal Lumen Tabulation

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	237.3	25.8%
0-40	386.9	42.1%
0-60	681.7	74.2%
60-90	211.5	23.0%
70-100	109.9	12.0%
90-120	12.9	1.4%
0-90	893.2	97.2%
90-180	25.8	2.8%
0-180	919.0	100.0%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	29.1	3.2%	90-100	8.4	0.9%
10-20	83.1	9.0%	100-110	2.2	0.2%
20-30	125.1	13.6%	110-120	2.3	0.2%
30-40	149.6	16.3%	120-130	3.1	0.3%
40-50	154.5	16.8%	130-140	3.3	0.4%
50-60	140.3	15.3%	140-150	2.9	0.3%
60-70	110.0	12.0%	150-160	2.2	0.2%
70-80	69.9	7.6%	160-170	1.1	0.1%
80-90	31.6	3.4%	170-180	0.3	0.0%

Photometric Data

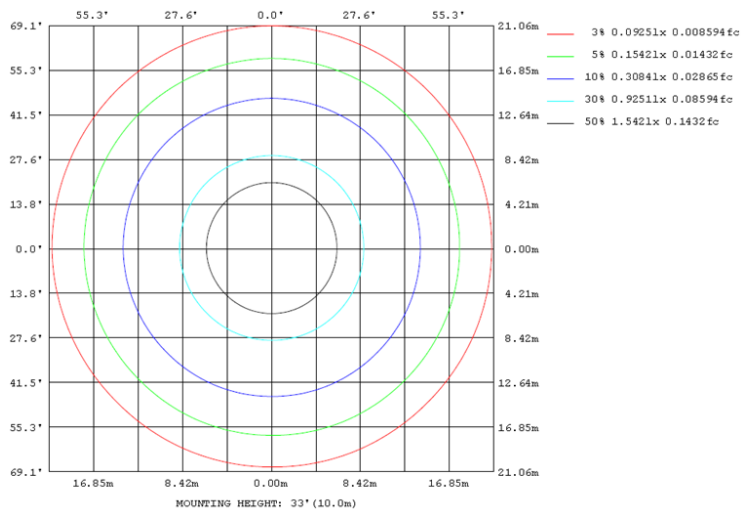
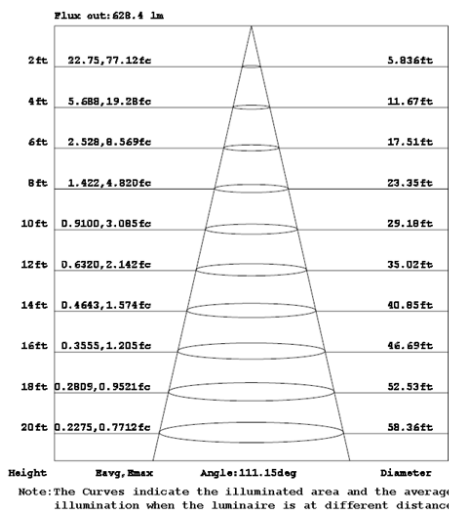
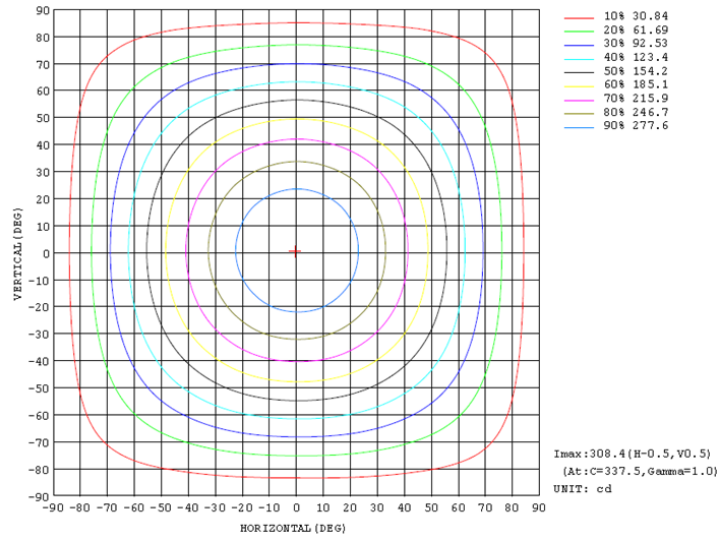
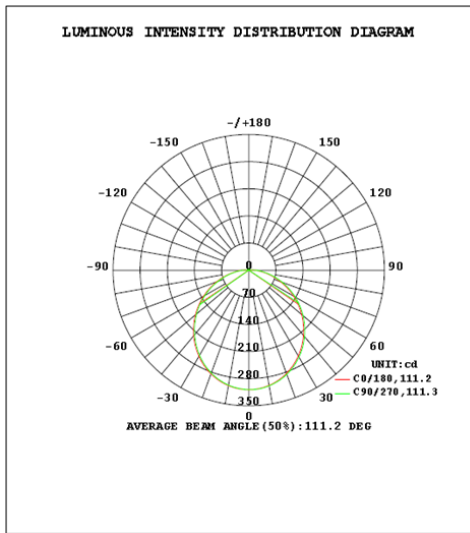


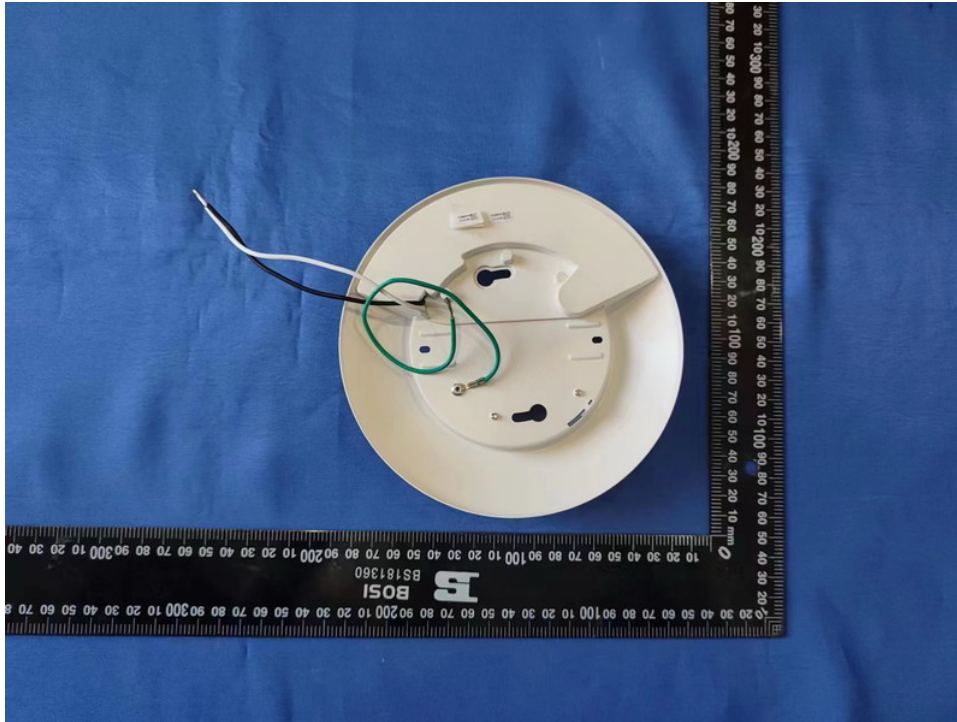
Table--1

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	308	308	308	308	308	308	308	308	308	308	308	308	308	308	308	308			
5	307	307	306	306	306	306	306	306	307	307	307	307	307	307	307	307			
10	302	302	302	302	301	301	301	301	302	302	303	303	303	303	303	303			
15	295	295	294	294	293	293	293	293	294	294	295	295	296	296	296	296			
20	285	284	283	283	283	283	282	283	284	284	285	286	286	286	286	286			
25	272	272	270	270	269	269	269	270	271	271	272	273	274	274	274	273			
30	257	256	255	255	254	254	253	254	256	256	257	258	259	259	259	258			
35	240	239	238	238	236	237	236	237	238	239	241	241	242	242	242	241			
40	221	221	219	219	217	217	217	218	220	220	222	223	224	223	224	223			
45	201	200	199	198	197	197	197	198	199	200	202	203	204	204	204	203			
50	180	179	177	177	176	176	175	176	178	179	181	182	183	182	183	181			
55	157	157	155	155	153	153	153	154	156	157	159	160	161	160	161	159			
60	135	134	132	132	130	131	130	131	133	134	136	137	138	138	138	137			
65	112	111	109	109	107	107	107	108	110	111	113	114	115	115	115	114			
70	88.5	87.9	86.1	85.7	84.4	84.6	84.1	85.5	87.5	88.3	90.3	90.9	92.2	91.7	91.9	90.5			
75	66.2	65.7	64.0	63.7	62.5	62.7	62.3	63.5	65.4	66.1	68.0	68.6	69.9	69.3	69.5	68.1			
80	45.7	45.3	43.9	43.6	42.6	42.8	42.4	43.5	45.1	45.7	47.4	47.9	49.1	48.5	48.7	47.3			
85	28.2	27.9	26.8	26.7	25.8	26.1	25.8	26.6	27.9	28.3	29.8	30.1	31.1	30.6	30.7	29.5			
90	15.0	14.9	14.2	14.2	13.7	13.8	13.6	14.1	14.9	15.2	16.2	16.5	17.0	16.7	16.7	15.9			
95	6.85	6.86	6.46	6.61	6.32	6.38	6.16	6.45	6.81	7.01	7.55	7.67	7.97	7.74	7.68	7.23			
100	3.04	2.97	2.80	2.88	2.89	2.96	2.94	3.00	3.10	3.14	3.18	3.23	3.29	3.24	3.29	3.21			
105	2.01	2.00	1.88	1.92	2.11	2.18	2.21	2.03	1.94	1.87	1.59	1.63	1.62	1.61	1.72	1.83			
110	2.00	2.18	1.97	2.16	2.29	2.35	2.19	2.16	1.91	1.74	1.31	1.35	1.49	1.47	1.57	1.79			
115	2.56	2.81	2.66	2.88	2.89	2.75	2.36	2.37	2.18	1.97	1.45	1.60	1.93	1.96	1.89	2.32			
120	3.12	3.52	3.76	3.94	3.56	3.26	2.80	2.80	2.71	2.69	1.90	1.92	2.60	2.55	2.51	2.49			
125	3.46	3.94	4.94	4.93	3.83	3.41	3.28	3.16	2.78	3.10	3.41	3.13	3.24	3.05	3.05	2.96			
130	3.61	4.61	5.24	5.39	4.23	3.63	3.70	3.62	3.20	3.81	4.23	4.71	3.42	3.45	3.44	3.50			
135	3.68	4.92	5.34	5.43	4.66	3.99	4.09	3.93	3.67	4.37	4.68	4.95	4.10	3.37	3.66	3.70			
140	4.10	5.07	5.39	5.41	5.02	4.22	4.28	4.05	4.09	4.76	4.80	4.79	4.41	3.80	3.33	3.74			
145	4.09	5.67	5.46	5.49	5.86	4.42	4.06	4.14	4.40	5.34	4.90	4.94	4.67	4.09	2.83	3.77			
150	3.67	5.57	5.54	6.04	5.76	4.58	3.67	4.11	4.79	5.67	4.97	5.20	5.81	4.24	2.92	3.61			
155	3.50	4.23	5.95	6.55	5.92	4.07	3.42	3.73	4.65	6.03	5.35	6.22	5.55	4.07	3.08	3.15			
160	3.35	3.77	6.13	6.64	4.19	3.53	3.45	3.28	3.91	5.98	7.24	6.67	5.20	3.41	3.03	2.96			
165	3.35	3.36	3.51	3.51	3.52	3.52	3.42	3.30	3.14	3.61	4.10	3.87	3.45	3.14	3.24	3.07			
170	3.24	3.38	3.44	3.46	3.48	3.38	3.31	3.26	3.21	3.19	3.22	3.21	3.21	3.24	3.31	3.24			
175	3.31	3.32	3.31	3.33	3.31	3.31	3.28	3.31	3.30	3.32	3.28	3.30	3.28	3.30	3.28	3.28			
180	3.35	3.35	3.36	3.35	3.35	3.35	3.34	3.34	3.35	3.36	3.36	3.36	3.35	3.34	3.35	3.34			

Sample No.	Wattage and CCT setting	Test Voltage(V)	Flux(lm)	P(W)	Luminous Efficacy lm/W
DSK34-4/LCB	2700K setting	120.0	830.2	9.97	83.27
	3000K setting	120.0	870.5	10.00	87.05
	3500K setting	120.0	909.1	10.00	90.91
	4000K setting	120.0	935.9	9.95	94.06
	5000K setting	120.0	969.5	10.00	96.95
	6500K setting	120.0	918.9	9.74	94.35

3. Product Photo



***** END OF REPORT *****