

LM-79-08 Test Report
For
RAB LIGHTING INC

(Brand Name: N/A)

408 W 14th St, New York, NY 10014, USA

Model name(s):
ND22-20-4HRW

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

**Type of
Luminaire:** Downlights

Report Date: 2025-08-15

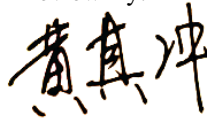
Prepared By:

Test & Report By:



Engineer: Sun Fangfang

Review By:



Manager: Huang Qichong

1.1 Rated Values:	
Rated Voltage / Frequency	120V-277Vac, 60 Hz
Nominal Power	12.0W/16.0W/20.0W
Rated Initial Lamp Lumen	1150lm/1500lm/1800lm (mode 5000K)
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: 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: 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: 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	2025-08-13	Test Ambient:	25.1 °C
Test Orientation	As intended	Stabilization Time (min)	90
Model Number	ND22-20-4HRW 45°	5000K	

Electrical Measurement:

Sample No.	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
202507280015	120.0	60	0.166	19.90	0.996

Chromaticity Measurement - Sphere-Spectroradiometer Method:

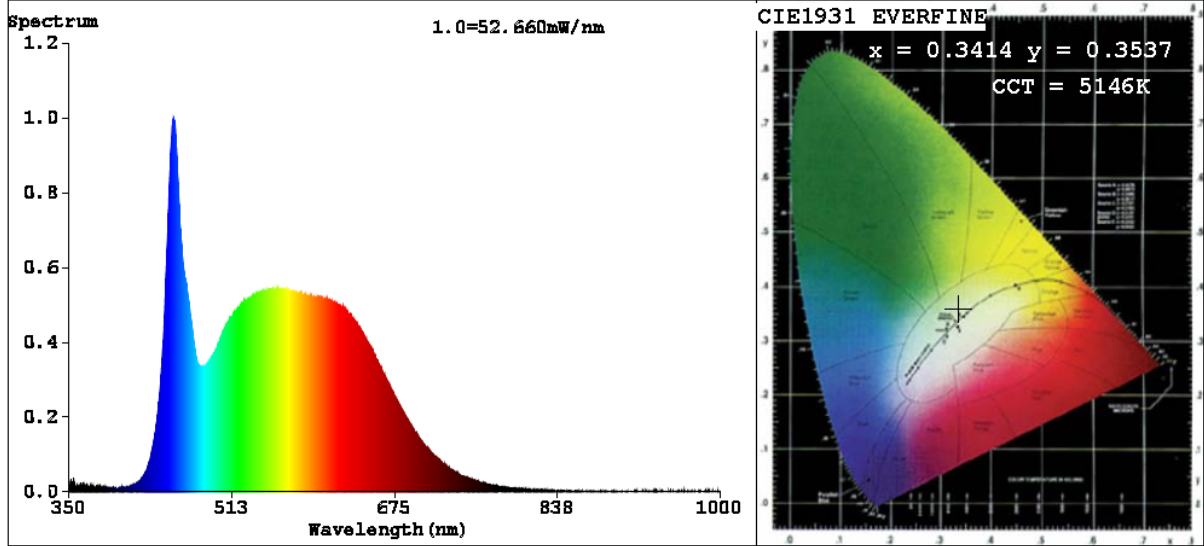
Parameter	Result	Special Color Rendering Indices			
Test Voltage (V)	120	R1	92	R9	62
Frequency (Hz)	60	R2	96	R10	89
CCT (K)	5146	R3	97	R11	91
Duv	0.0025	R4	90	R12	69
Chromaticity (x, y)	x=0.3414 y=0.3537	R5	91	R13	94
Chromaticity (u', v')	u'=0.2081 v'=0.4852	R6	92	R14	98
Color Rendering Index (CRI)	92.1	R7	93	R15	90
R9	62	R8	85	--	--
Rg	98				
Rf	90				
Rcs,h1%	-6				

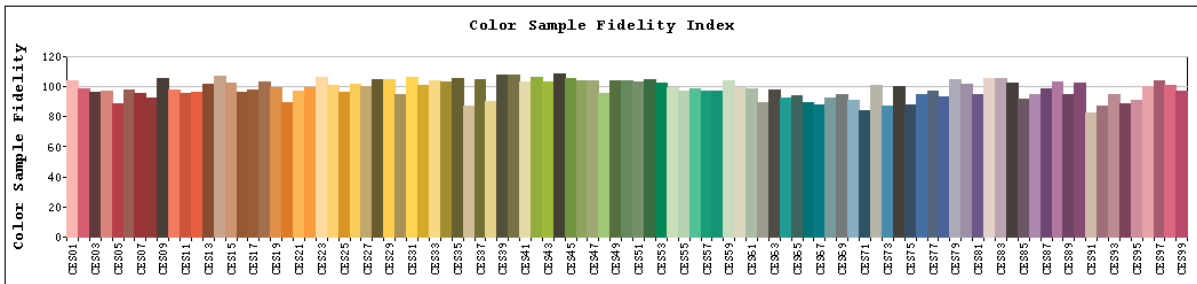
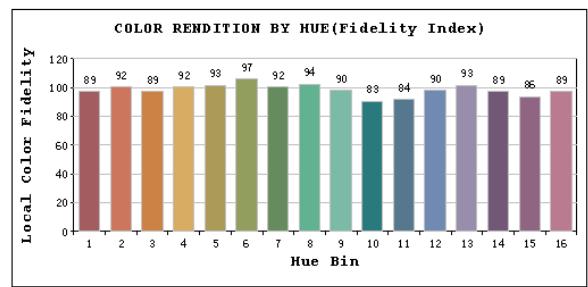
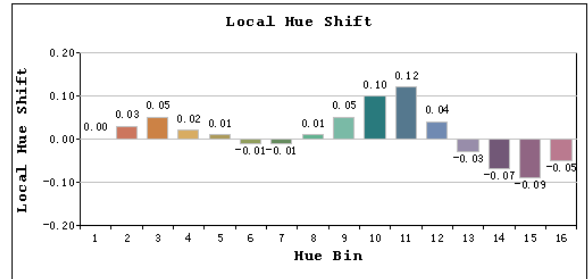
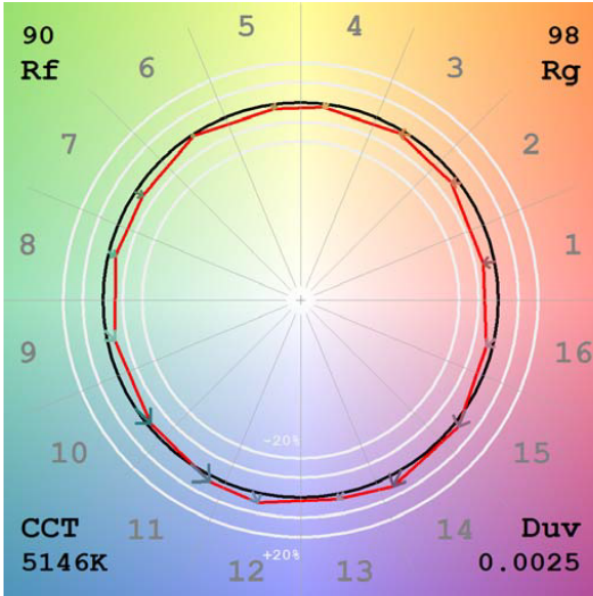
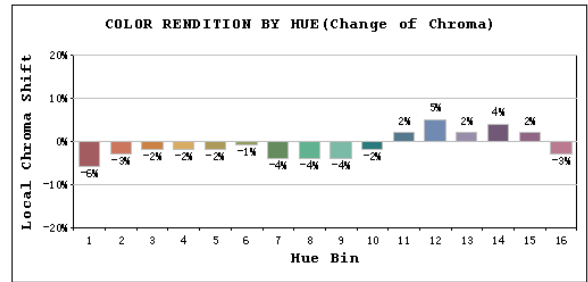
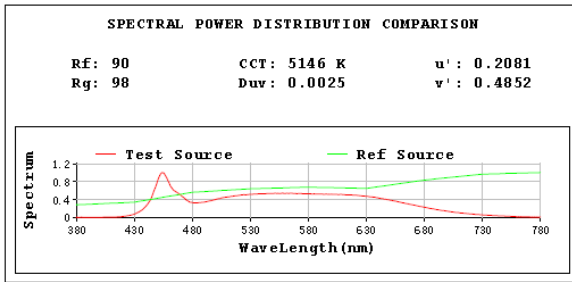
Photometric Measurement – Goniophotometer Method:

Parameter	Result
Test Voltage (V)	120.0
Frequency (Hz)	60
Total Luminous (lm)	1913.4
Luminous Efficacy (lm/W)	96.15
Beam Angle (°)	46.0
Center Beam Candle Power (cd)	2590.0

Parameter	Result
Test Voltage (V)	277.0
Frequency (Hz)	60
Total Luminous (lm)	1883.0
Luminous Efficacy (lm/W)	95.44

Spectral Power Distribution & Chromaticity Diagram



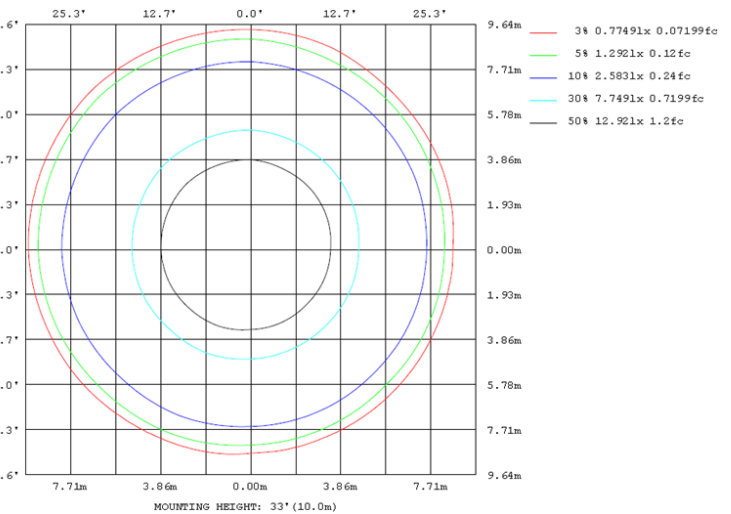
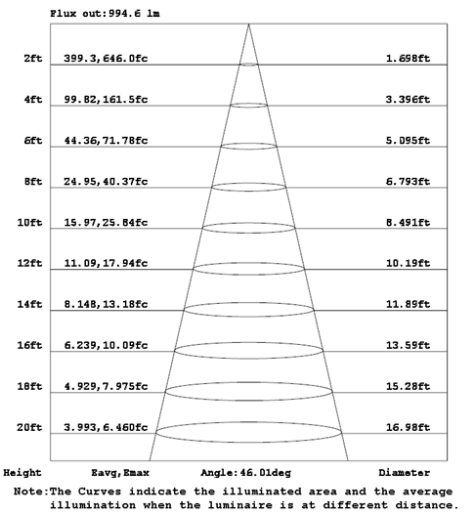
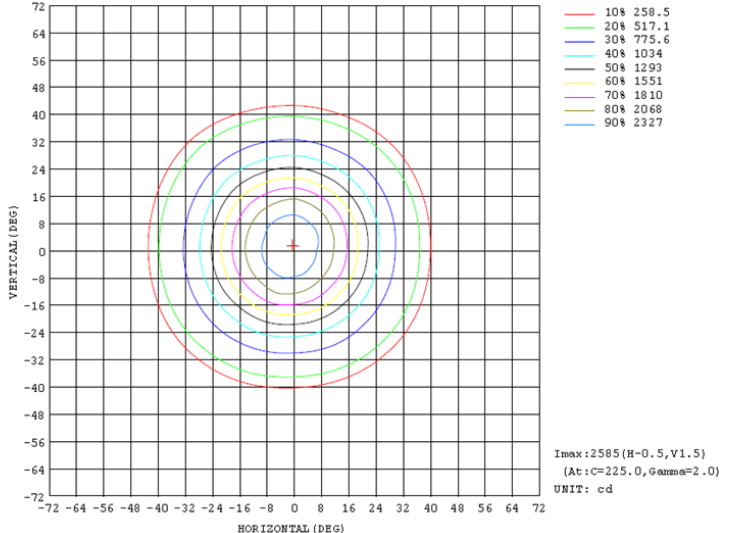
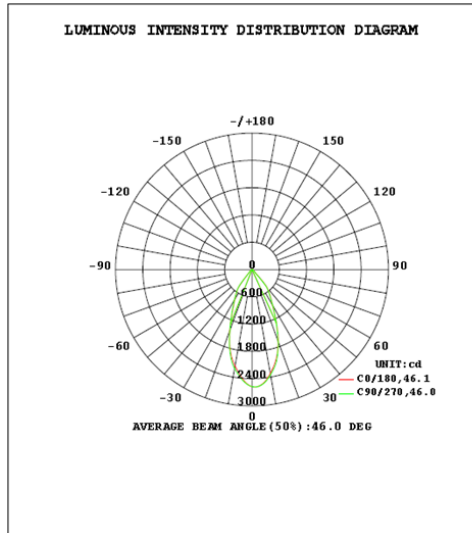


Zonal Lumen Tabulation

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1295.3	67.7%
0-40	1686.3	88.1%
0-60	1842.8	96.3%
60-90	70.6	3.7%
70-100	33.7	1.8%
90-120	0.0	0.0%
0-90	1913.4	100.0%
90-180	0.0	0.0%
0-180	1913.4	100.0%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	229.5	12.0%	90-100	0.0	0.0%
10-20	538.6	28.1%	100-110	0.0	0.0%
20-30	527.3	27.6%	110-120	0.0	0.0%
30-40	390.9	20.4%	120-130	0.0	0.0%
40-50	111.1	5.8%	130-140	0.0	0.0%
50-60	45.5	2.4%	140-150	0.0	0.0%
60-70	36.9	1.9%	150-160	0.0	0.0%
70-80	25.8	1.3%	160-170	0.0	0.0%
80-90	7.9	0.4%	170-180	0.0	0.0%

Photometric Data



2.1.2 Electrical, Photometric and Chromaticity Measurements

Test date	2025-08-13	Test Ambient:	25.1 °C
Test Orientation	As intended	Stabilization Time (min)	90
Model Number	ND22-20-4HRW 45°	2700K	

Electrical Measurement:

Sample No.	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
202507280015	120.0	60	0.164	19.60	0.996

Chromaticity Measurement - Sphere-Spectroradiometer Method:

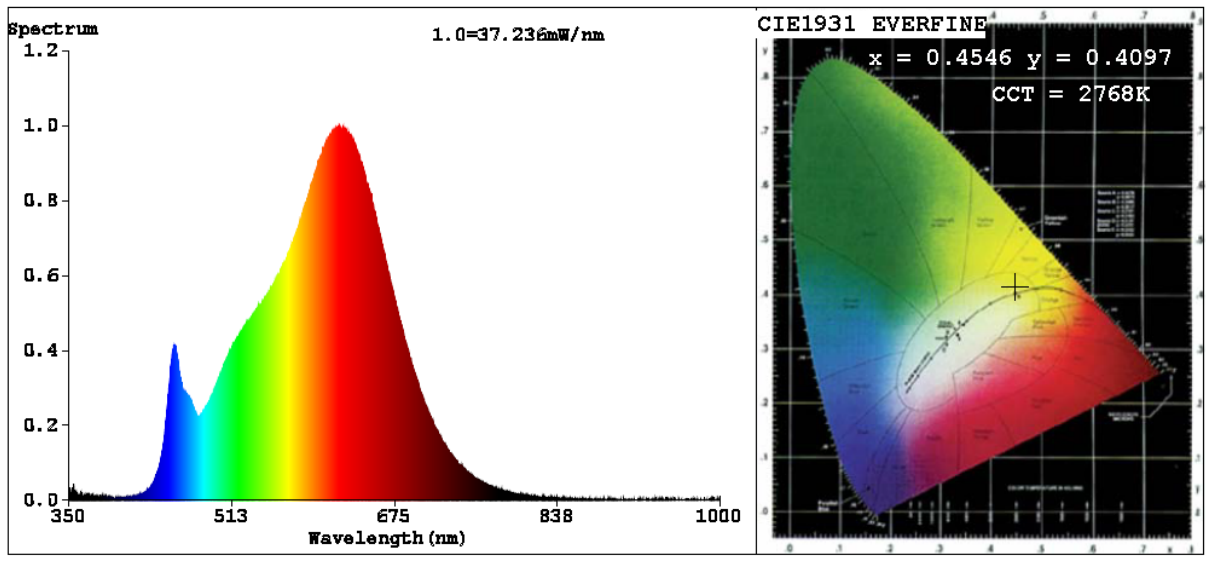
Parameter	Result	Special Color Rendering Indices			
Test Voltage (V)	120	R1	94	R9	58
Frequency (Hz)	60	R2	99	R10	96
CCT (K)	2768	R3	98	R11	95
Duv	0.0001	R4	93	R12	84
Chromaticity (x, y)	x=0.4546 y=0.4097	R5	94	R13	96
Chromaticity (u', v')	u'=0.2595 v'=0.5262	R6	97	R14	100
Color Rendering Index (CRI)	93.1	R7	90	R15	89
R9	58	R8	80	--	--
Rg	98				
Rf	91				
Rcs,h1%	-6				

Photometric Measurement – Goniophotometer Method:

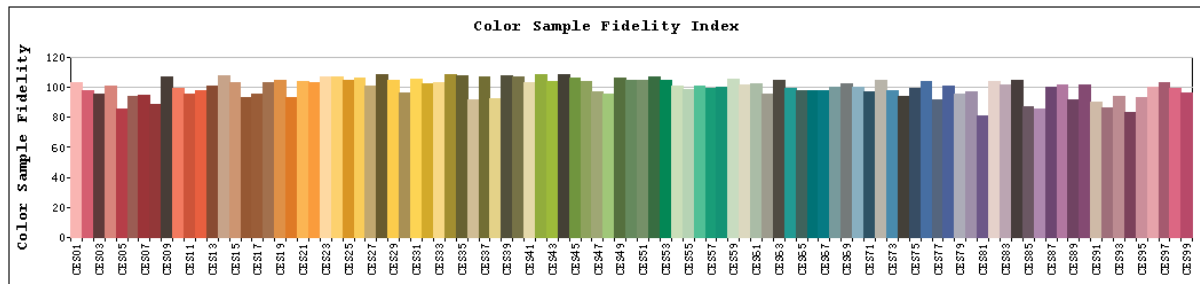
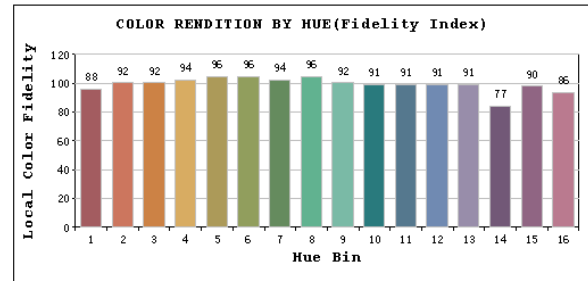
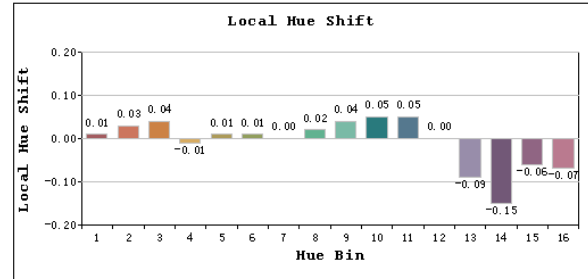
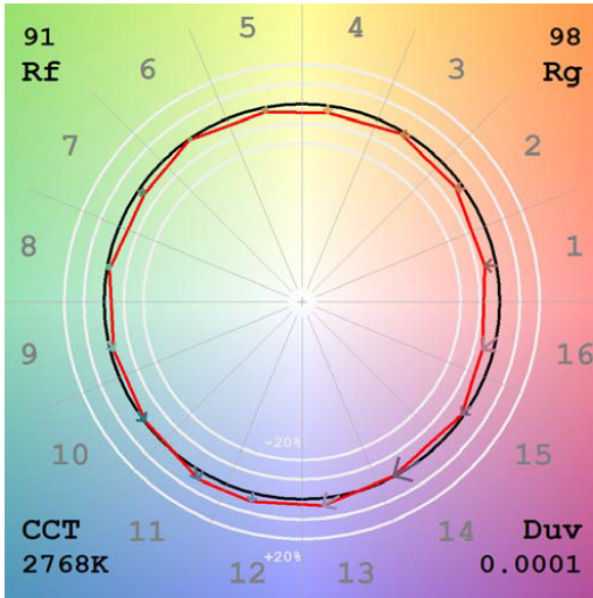
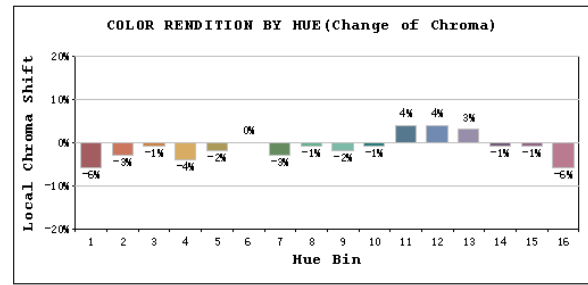
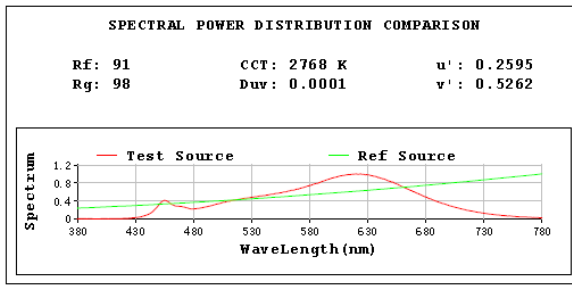
Parameter	Result
Test Voltage (V)	120.0
Frequency (Hz)	60
Total Luminous (lm)	1693.7
Luminous Efficacy (lm/W)	86.41

Parameter	Result
Test Voltage (V)	277.0
Frequency (Hz)	60
Total Luminous (lm)	1663.0
Luminous Efficacy (lm/W)	85.24

Spectral Power Distribution & Chromaticity Diagram



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2.1.3 Electrical, Photometric and Chromaticity Measurements

Test date	2025-08-13	Test Ambient:	25.1 °C
Test Orientation	As intended	Stabilization Time (min)	90
Model Number	ND22-20-4HRW 45°	3000K	

Electrical Measurement:

Sample No.	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
202507280015	120.0	60	0.165	19.70	0.996

Chromaticity Measurement - Sphere-Spectroradiometer Method:

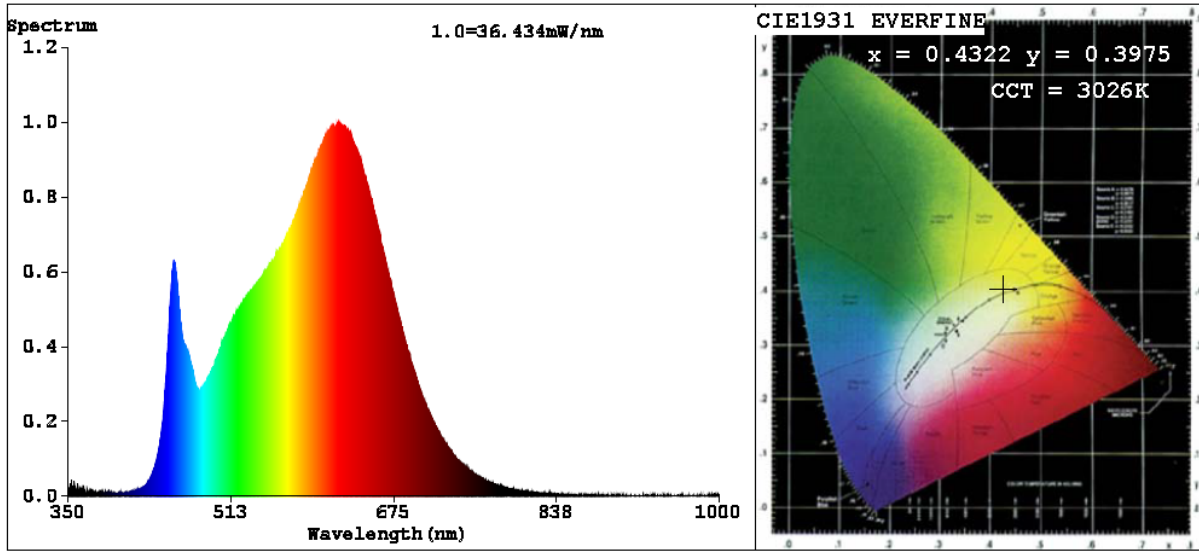
Parameter	Result	Special Color Rendering Indices			
Test Voltage (V)	120	R1	96	R9	65
Frequency (Hz)	60	R2	99	R10	99
CCT (K)	3026	R3	97	R11	96
Duv	-0.0020	R4	94	R12	81
Chromaticity (x, y)	x=0.4322 y=0.3975	R5	96	R13	98
Chromaticity (u', v')	u'=0.2504 v'=0.5181	R6	96	R14	99
Color Rendering Index (CRI)	93.9	R7	91	R15	92
R9	65	R8	83	--	--
Rg	99				
Rf	91				
Rcs,h1%	-5				

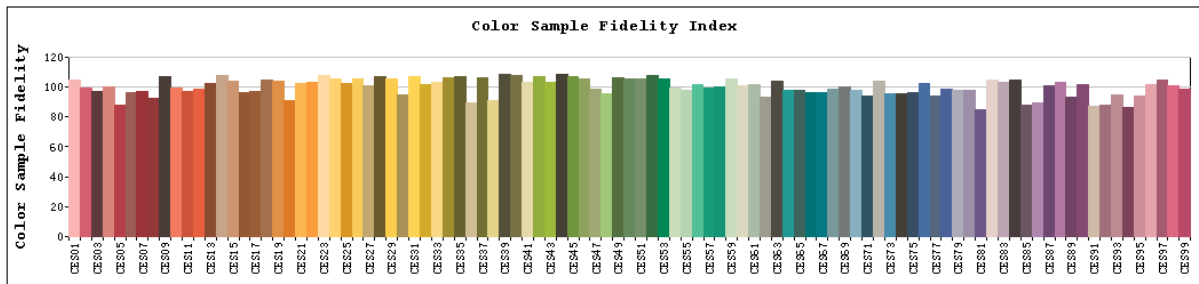
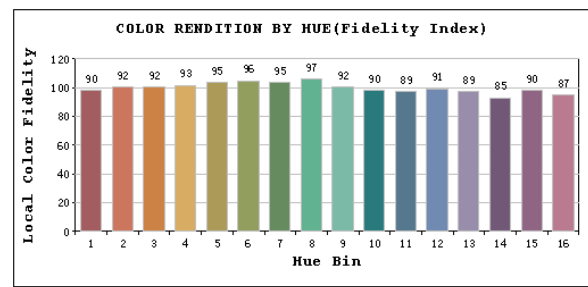
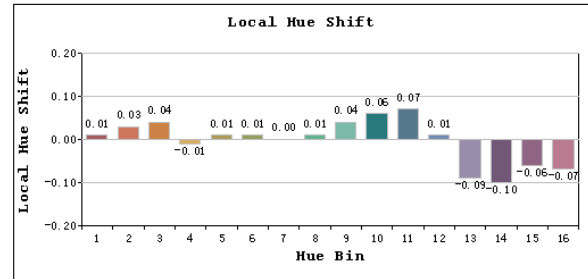
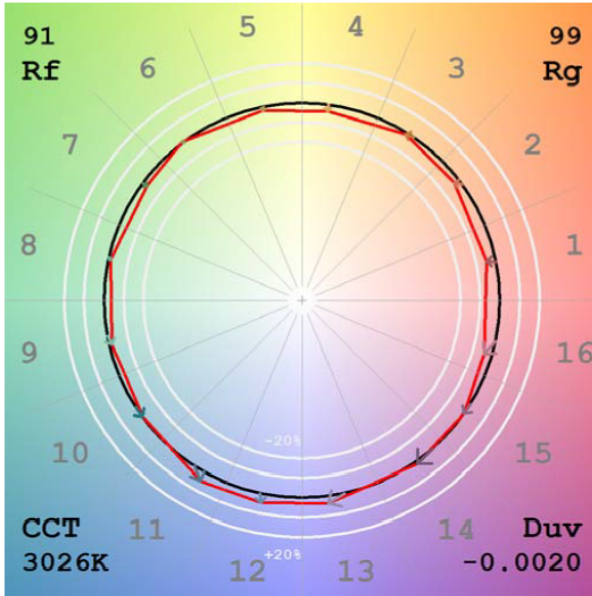
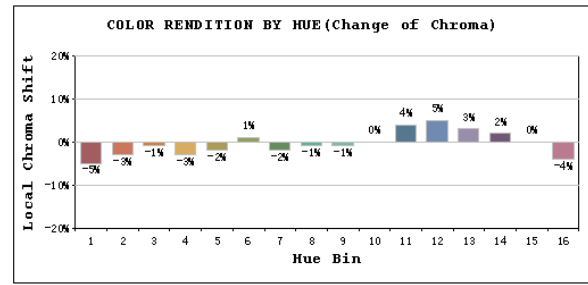
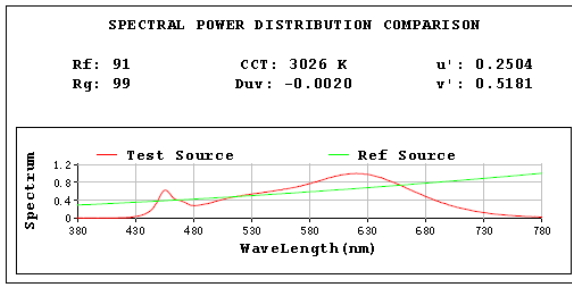
Photometric Measurement – Goniophotometer Method:

Parameter	Result
Test Voltage (V)	120.0
Frequency (Hz)	60
Total Luminous (lm)	1766.5
Luminous Efficacy (lm/W)	89.67

Parameter	Result
Test Voltage (V)	277.0
Frequency (Hz)	60
Total Luminous (lm)	1736.0
Luminous Efficacy (lm/W)	88.66

Spectral Power Distribution & Chromaticity Diagram





2.1.4 Electrical, Photometric and Chromaticity Measurements

Test date	2025-08-13	Test Ambient:	25.1 °C
Test Orientation	As intended	Stabilization Time (min)	90
Model Number	ND22-20-4HRW 45°	3500K	

Electrical Measurement:

Sample No.	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
202507280015	120.0	60	0.161	19.30	0.996

Chromaticity Measurement - Sphere-Spectroradiometer Method:

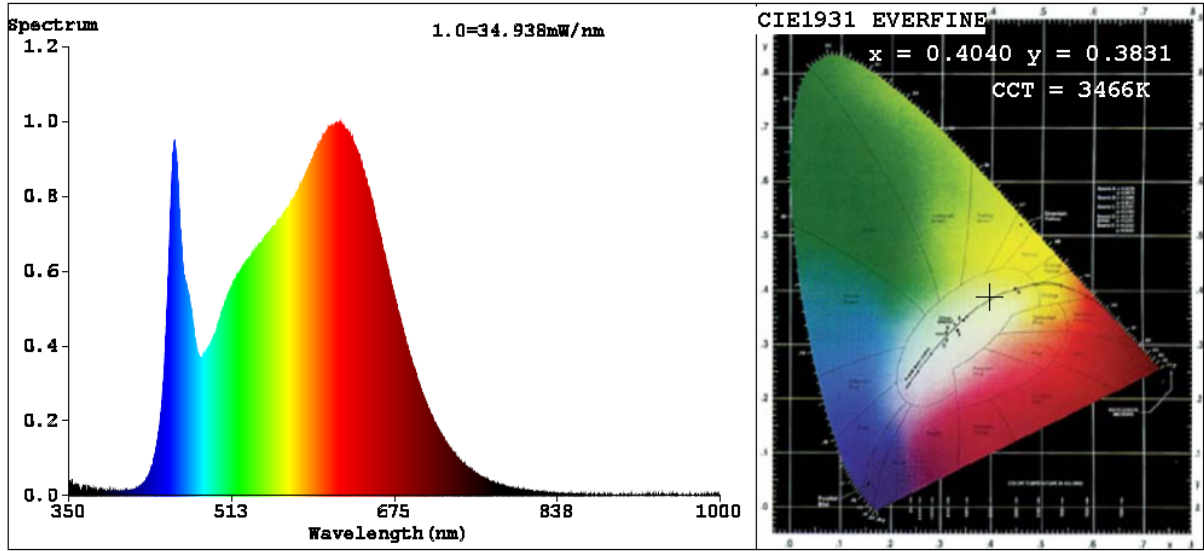
Parameter	Result	Special Color Rendering Indices			
Test Voltage (V)	120	R1	97	R9	72
Frequency (Hz)	60	R2	99	R10	99
CCT (K)	3466	R3	97	R11	95
Duv	-0.0031	R4	94	R12	77
Chromaticity (x, y)	x=0.4040 y=0.3831	R5	96	R13	99
Chromaticity (u', v')	u'=0.2380 v'=0.5079	R6	95	R14	100
Color Rendering Index (CRI)	94.5	R7	92	R15	94
R9	72	R8	86	--	--
Rg	99				
Rf	91				
Rcs,h1%	-4				

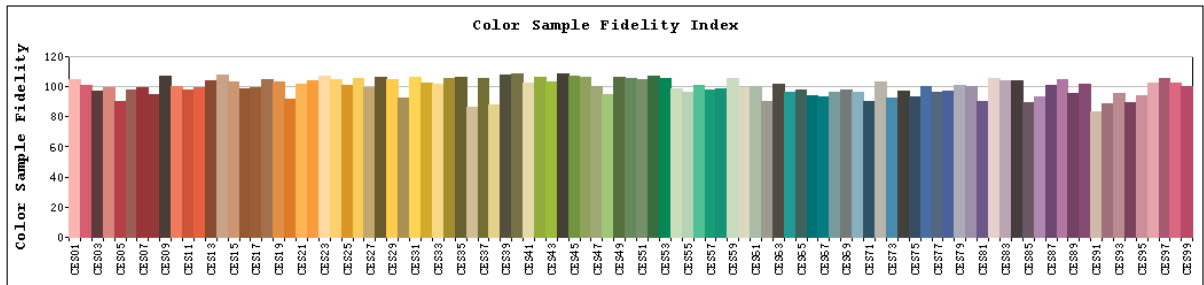
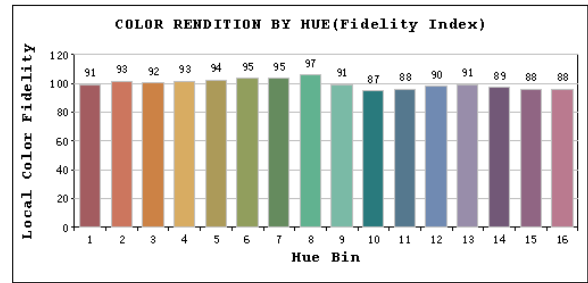
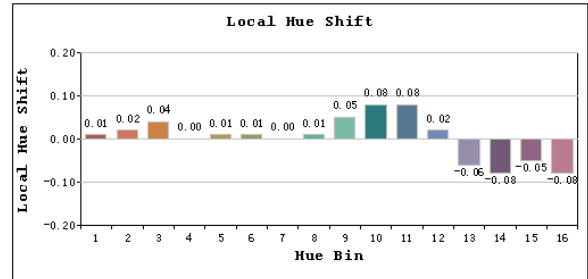
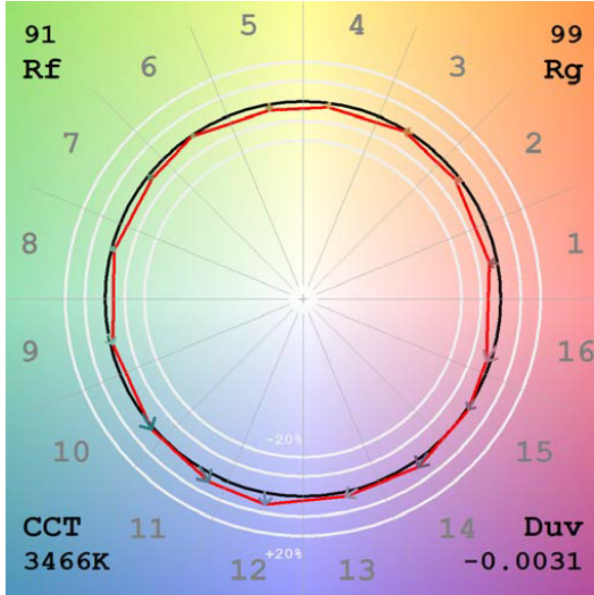
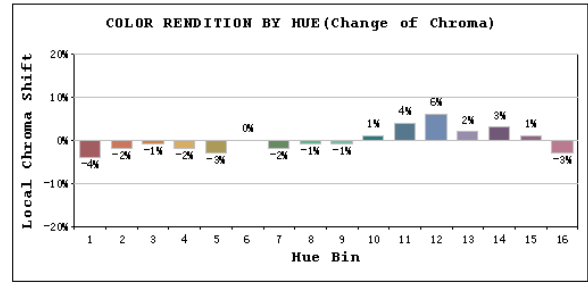
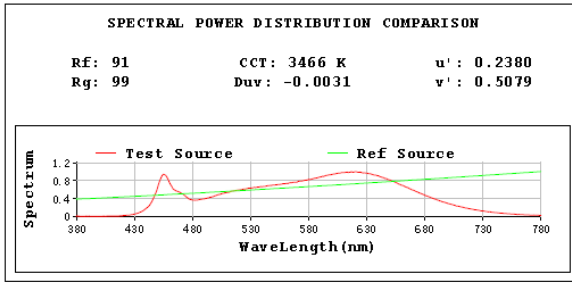
Photometric Measurement – Goniophotometer Method:

Parameter	Result
Test Voltage (V)	120.0
Frequency (Hz)	60
Total Luminous (lm)	1856.6
Luminous Efficacy (lm/W)	96.20

Parameter	Result
Test Voltage (V)	277.0
Frequency (Hz)	60
Total Luminous (lm)	1826.0
Luminous Efficacy (lm/W)	95.05

Spectral Power Distribution & Chromaticity Diagram





2.1.5 Electrical, Photometric and Chromaticity Measurements

Test date	2025-08-13	Test Ambient:	25.1 °C
Test Orientation	As intended	Stabilization Time (min)	90
Model Number	ND22-20-4HRW 45°	4000K	

Electrical Measurement:

Sample No.	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
202507280015	120.0	60	0.163	19.50	0.996

Chromaticity Measurement - Sphere-Spectroradiometer Method:

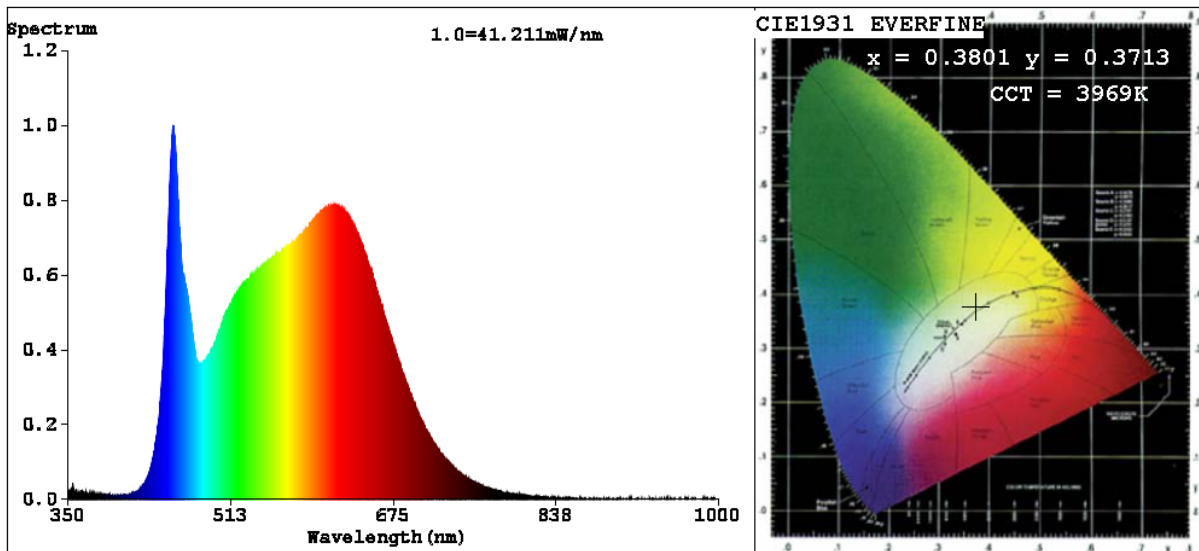
Parameter	Result	Special Color Rendering Indices			
Test Voltage (V)	120	R1	97	R9	75
Frequency (Hz)	60	R2	99	R10	97
CCT (K)	3969	R3	98	R11	94
Duv	-0.0025	R4	93	R12	73
Chromaticity (x, y)	x=0.3801 y=0.3713	R5	95	R13	98
Chromaticity (u', v')	u'=0.2271 v'=0.4991	R6	95	R14	100
Color Rendering Index (CRI)	94.7	R7	93	R15	94
R9	75	R8	88	--	--
Rg	99				
Rf	91				
Rcs,h1%	-4				

Photometric Measurement – Goniophotometer Method:

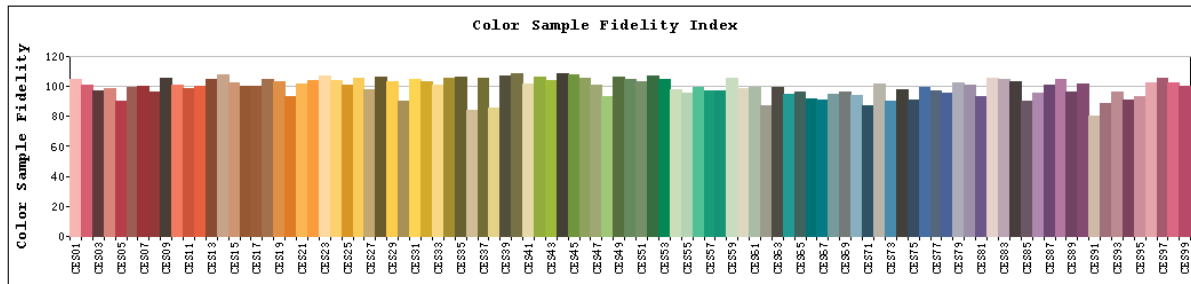
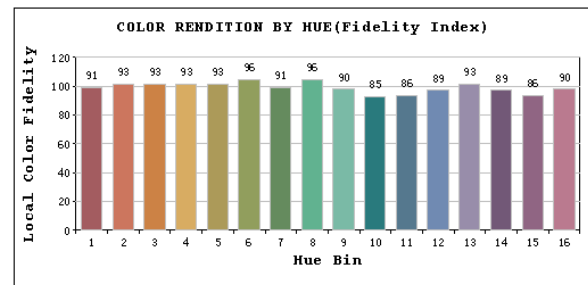
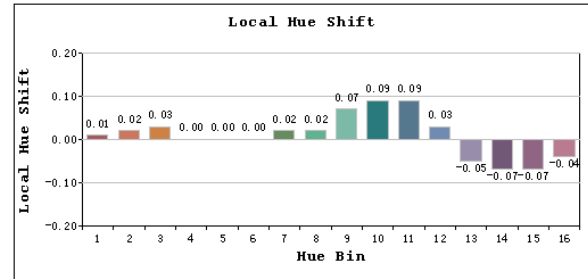
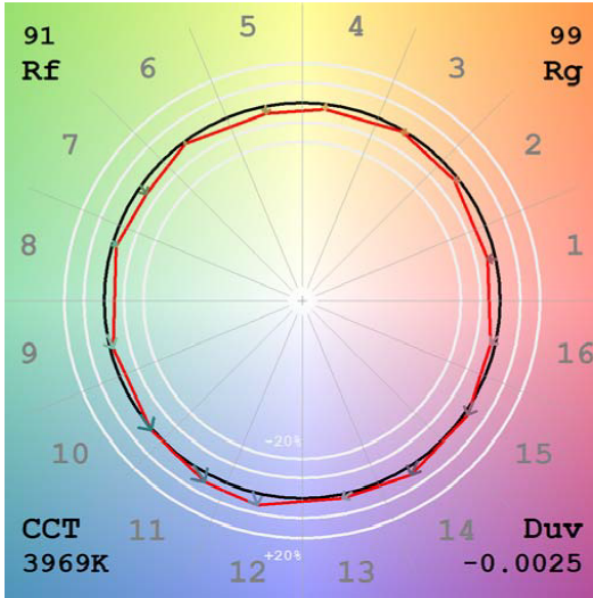
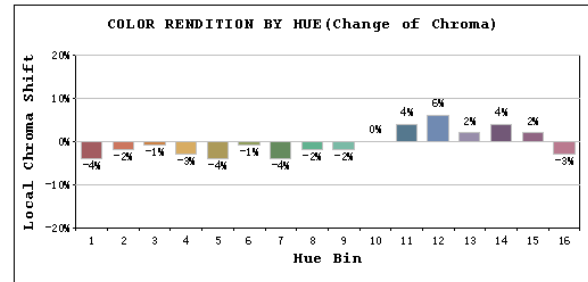
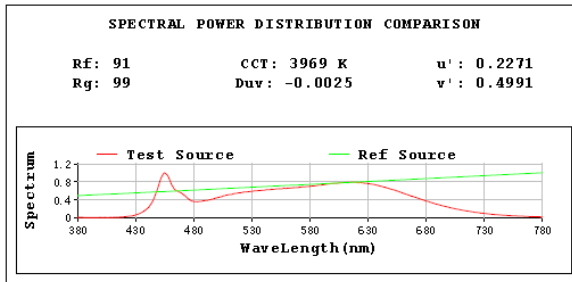
Parameter	Result
Test Voltage (V)	120.0
Frequency (Hz)	60
Total Luminous (lm)	1909.1
Luminous Efficacy (lm/W)	97.90

Parameter	Result
Test Voltage (V)	277.0
Frequency (Hz)	60
Total Luminous (lm)	1879.0
Luminous Efficacy (lm/W)	96.96

Spectral Power Distribution & Chromaticity Diagram



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2.1.6 Electrical, Photometric and Chromaticity Measurements

Test date	2025-08-13	Test Ambient:	25.1 °C
Test Orientation	As intended	Stabilization Time (min)	90
Model Number	ND22-20-4HRW 25°	5000K	

Electrical Measurement:

Sample No.	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
202507280015	120.0	60	0.167	19.90	0.996

Chromaticity Measurement - Sphere-Spectroradiometer Method:

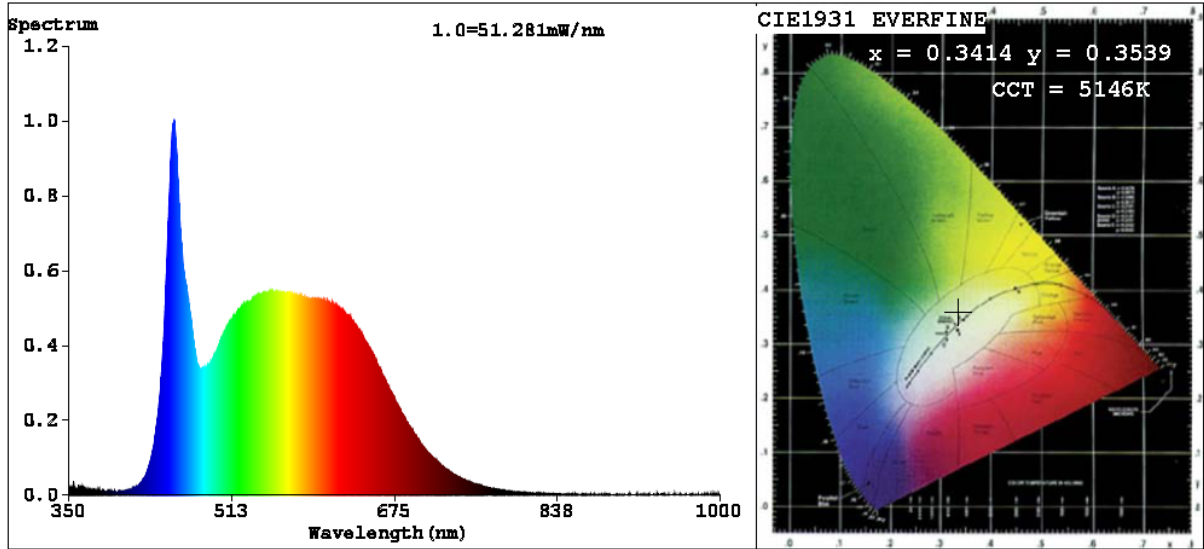
Parameter	Result	Special Color Rendering Indices			
Test Voltage (V)	120	R1	92	R9	62
Frequency (Hz)	60	R2	96	R10	89
CCT (K)	5146	R3	97	R11	90
Duv	0.0026	R4	90	R12	69
Chromaticity (x, y)	x=0.3414 y=0.3539	R5	91	R13	94
Chromaticity (u', v')	u'=0.2081 v'=0.4852	R6	92	R14	98
Color Rendering Index (CRI)	92.1	R7	93	R15	90
R9	62	R8	85	--	--
Rg	98				
Rf	90				
Rcs,h1%	-6				

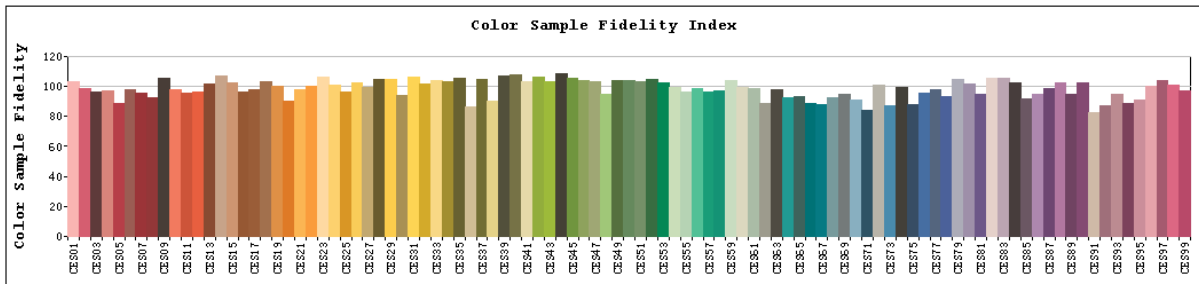
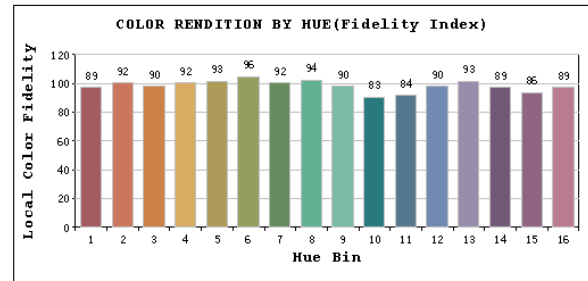
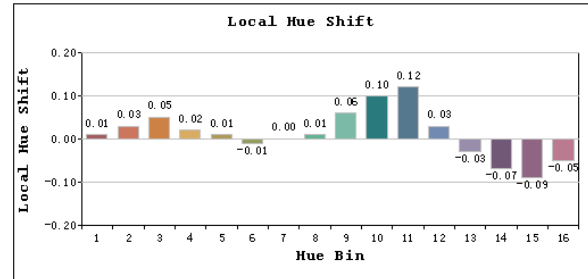
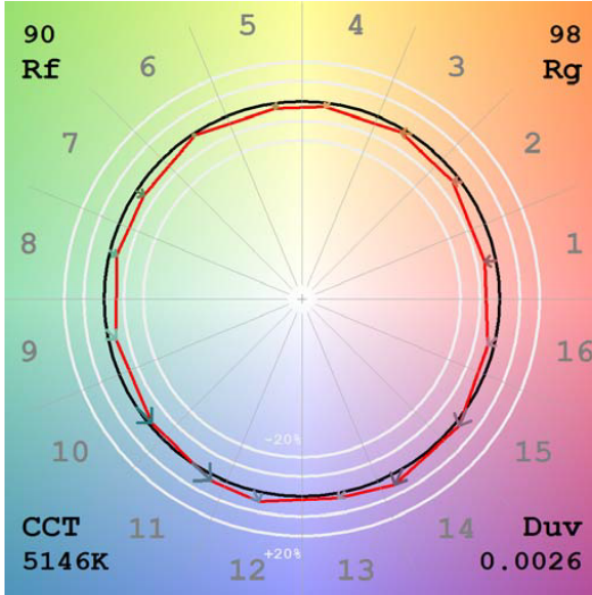
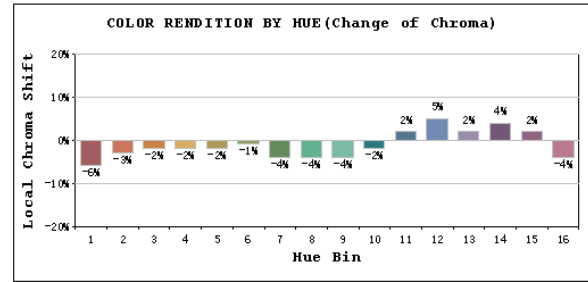
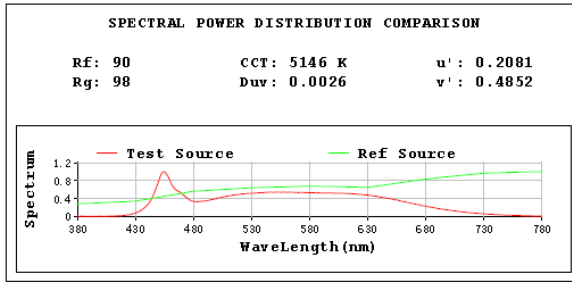
Photometric Measurement – Goniophotometer Method:

Parameter	Result
Test Voltage (V)	120.0
Frequency (Hz)	60
Total Luminous (lm)	1894.2
Luminous Efficacy (lm/W)	95.18
Beam Angle (°)	28.7
Center Beam Candle Power (cd)	4995.0

Parameter	Result
Test Voltage (V)	277.0
Frequency (Hz)	60
Total Luminous (lm)	1859.0
Luminous Efficacy (lm/W)	93.98

Spectral Power Distribution & Chromaticity Diagram



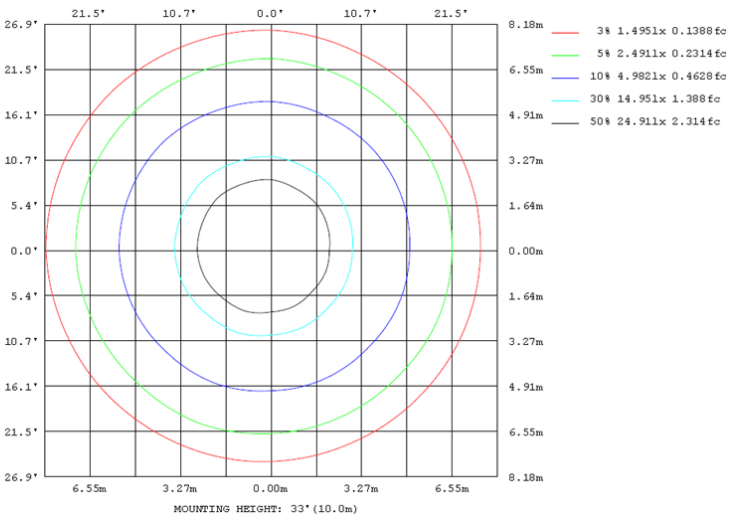
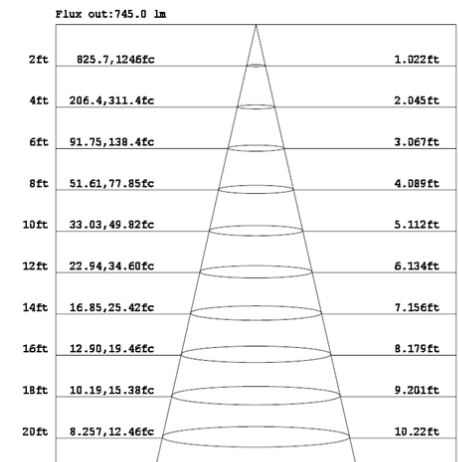
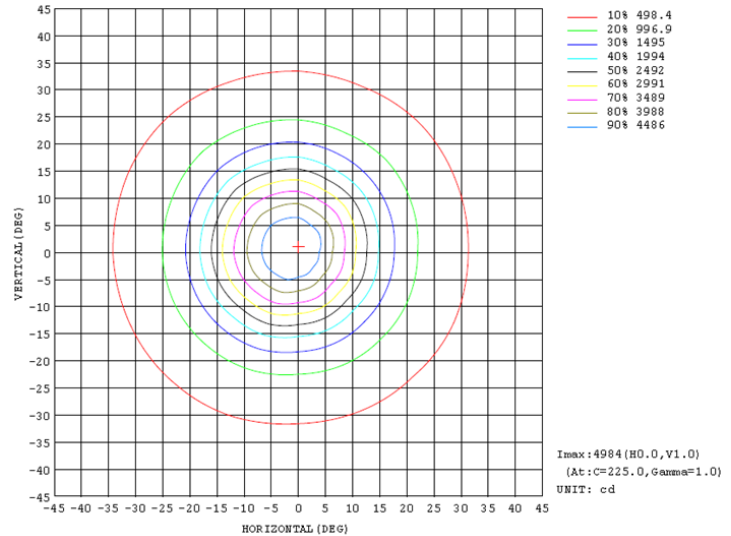
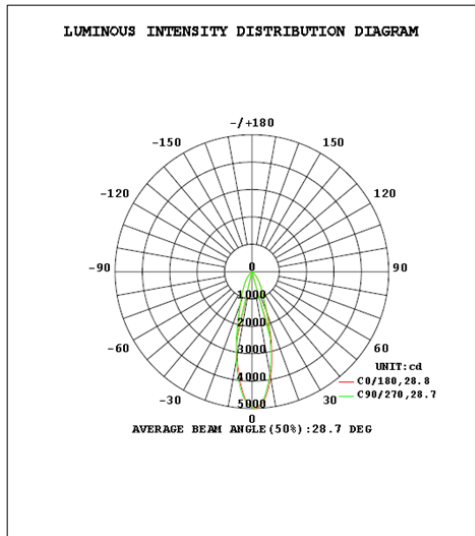


Zonal Lumen Tabulation

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1463.3	77.3%
0-40	1717.8	90.7%
0-60	1850.2	97.7%
60-90	44.0	2.3%
70-100	19.3	1.0%
90-120	0.0	0.0%
0-90	1894.2	100.0%
90-180	0.0	0.0%
0-180	1894.2	100.0%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	400.1	21.1%	90-100	0.0	0.0%
10-20	644.8	34.0%	100-110	0.0	0.0%
20-30	418.4	22.1%	110-120	0.0	0.0%
30-40	254.5	13.4%	120-130	0.0	0.0%
40-50	90.5	4.8%	130-140	0.0	0.0%
50-60	41.9	2.2%	140-150	0.0	0.0%
60-70	24.7	1.3%	150-160	0.0	0.0%
70-80	15.0	0.8%	160-170	0.0	0.0%
80-90	4.3	0.2%	170-180	0.0	0.0%

Photometric Data



2.1.7 Electrical, Photometric and Chromaticity Measurements

Test date	2025-08-13	Test Ambient:	25.1 °C
Test Orientation	As intended	Stabilization Time (min)	90
Model Number	ND22-20-4HRW 25°	2700K	

Electrical Measurement:

Sample No.	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
202507280015	120.0	60	0.165	19.70	0.996

Chromaticity Measurement - Sphere-Spectroradiometer Method:

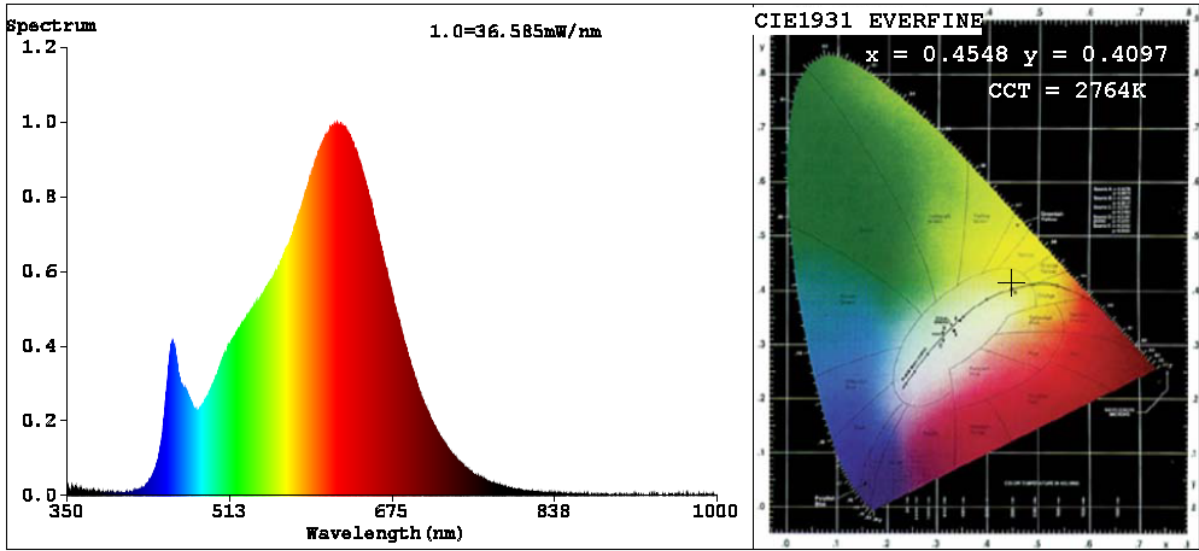
Parameter	Result	Special Color Rendering Indices			
Test Voltage (V)	120	R1	94	R9	57
Frequency (Hz)	60	R2	99	R10	96
CCT (K)	2764	R3	97	R11	95
Duv	0.0001	R4	93	R12	84
Chromaticity (x, y)	x=0.4548 y=0.4097	R5	94	R13	96
Chromaticity (u', v')	u'=0.2597 v'=0.5262	R6	97	R14	99
Color Rendering Index (CRI)	93.0	R7	90	R15	89
R9	57	R8	80	--	--
Rg	98				
Rf	91				
Rcs,h1%	-6				

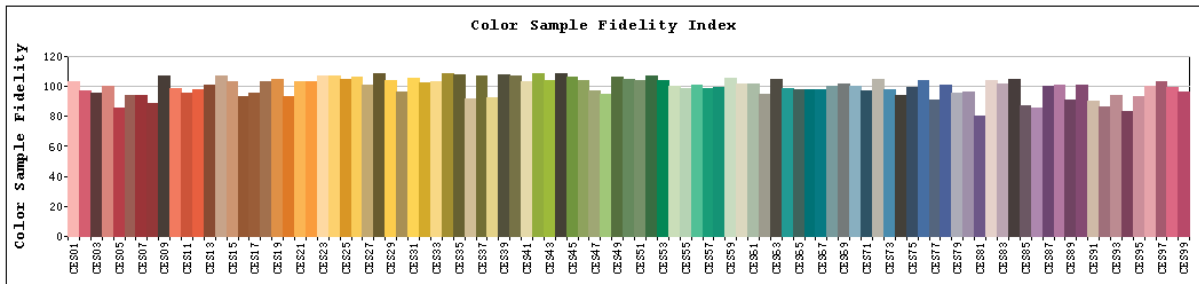
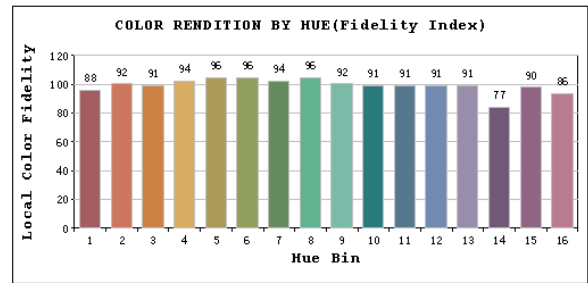
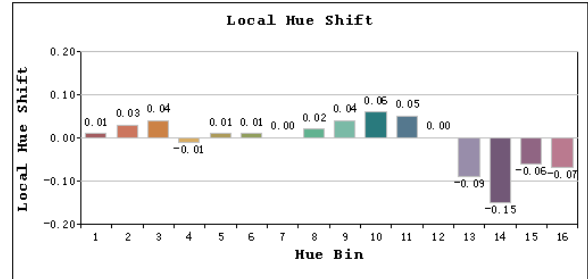
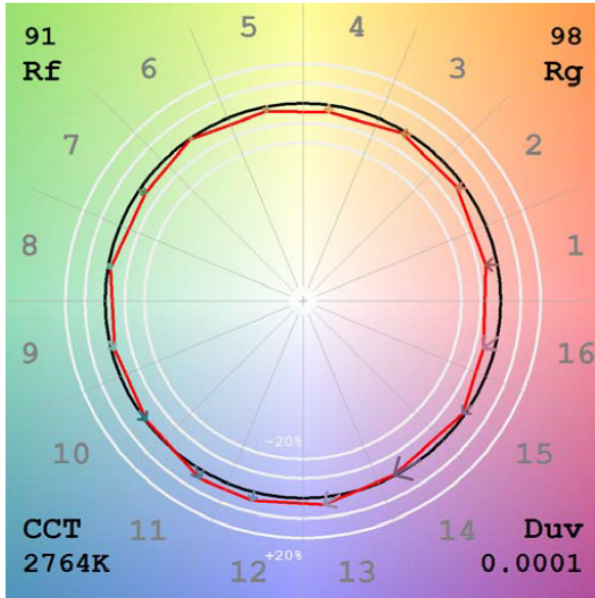
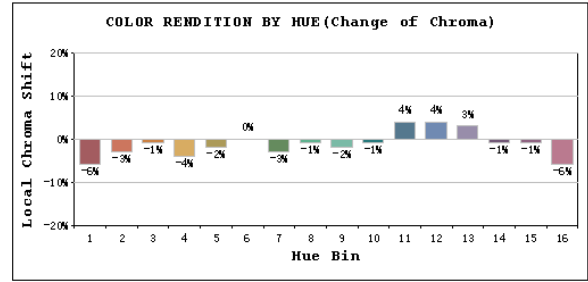
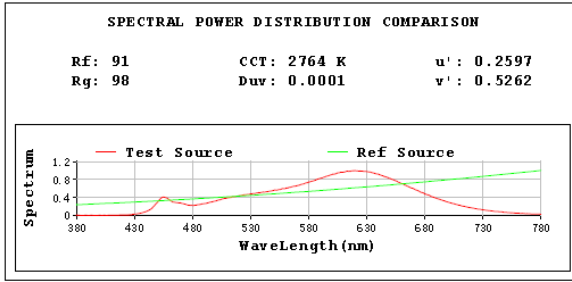
Photometric Measurement – Goniophotometer Method:

Parameter	Result
Test Voltage (V)	120.0
Frequency (Hz)	60
Total Luminous (lm)	1681.4
Luminous Efficacy (lm/W)	85.35

Parameter	Result
Test Voltage (V)	277.0
Frequency (Hz)	60
Total Luminous (lm)	1644.0
Luminous Efficacy (lm/W)	83.88

Spectral Power Distribution & Chromaticity Diagram





2.1.8 Electrical, Photometric and Chromaticity Measurements

Test date	2025-08-13	Test Ambient:	25.1 °C
Test Orientation	As intended	Stabilization Time (min)	90
Model Number	ND22-20-4HRW 25°	3000K	

Electrical Measurement:

Sample No.	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
202507280015	120.0	60	0.165	19.70	0.996

Chromaticity Measurement - Sphere-Spectroradiometer Method:

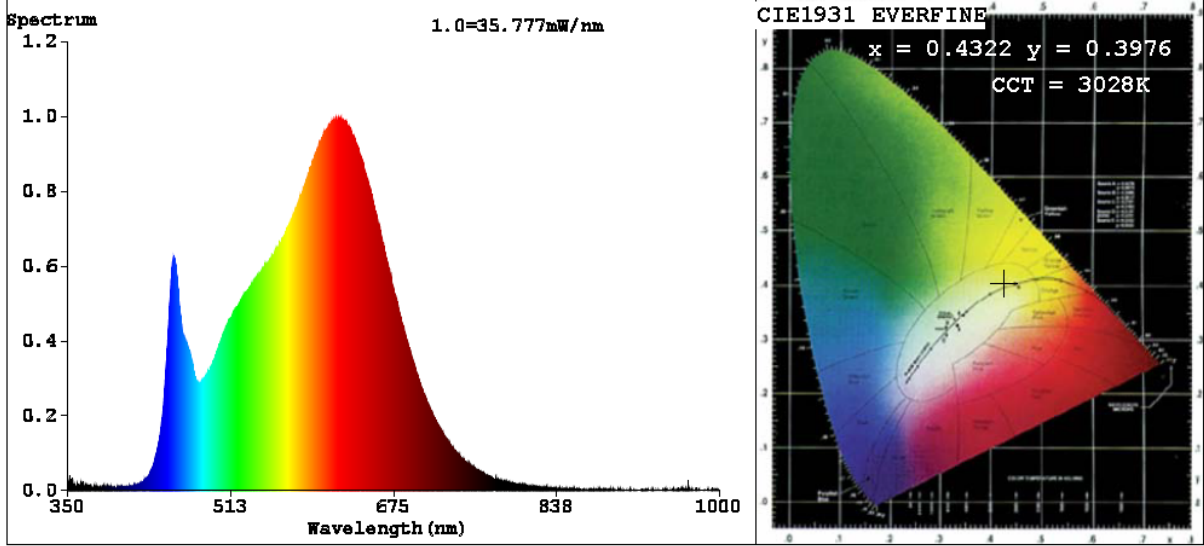
Parameter	Result	Special Color Rendering Indices			
Test Voltage (V)	120	R1	96	R9	65
Frequency (Hz)	60	R2	99	R10	98
CCT (K)	3028	R3	97	R11	95
Duv	-0.0019	R4	94	R12	81
Chromaticity (x, y)	x=0.4322 y=0.3976	R5	95	R13	97
Chromaticity (u', v')	u'=0.2503 v'=0.5181	R6	96	R14	99
Color Rendering Index (CRI)	93.8	R7	90	R15	92
R9	65	R8	83	--	--
Rg	99				
Rf	91				
Rcs,h1%	-5				

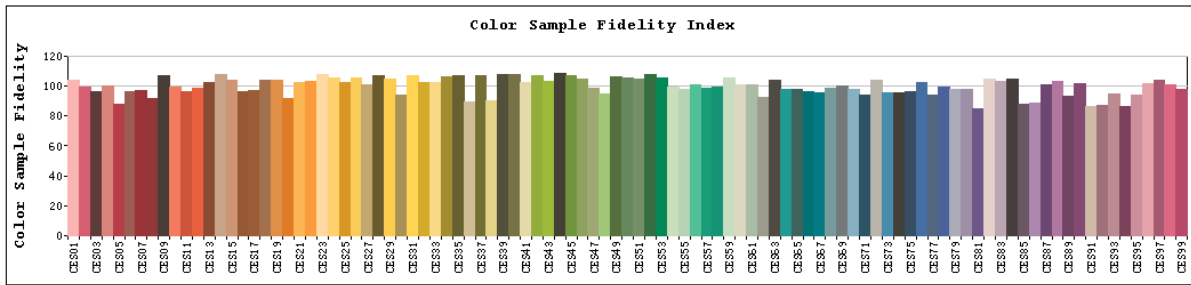
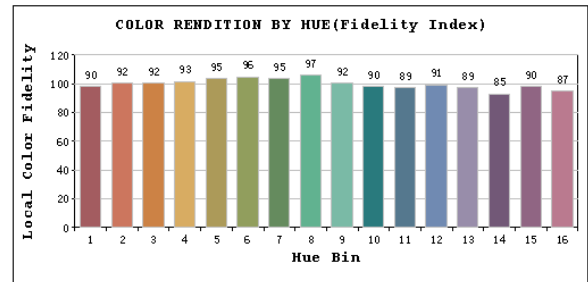
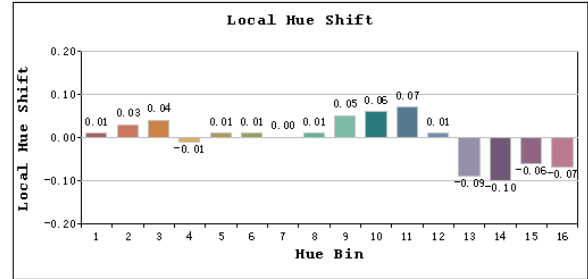
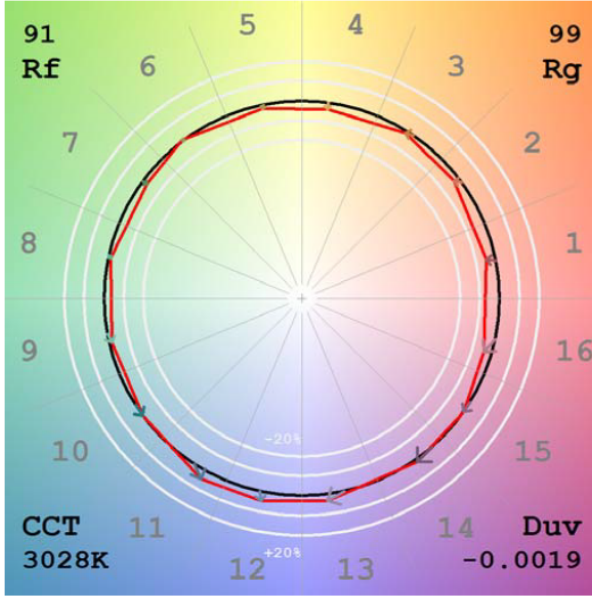
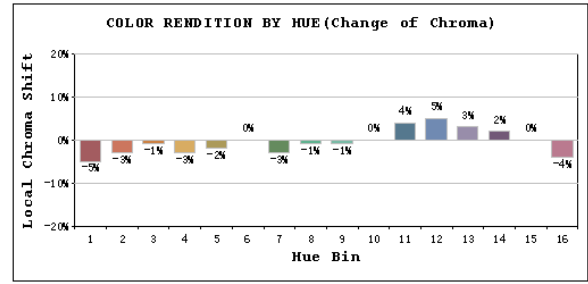
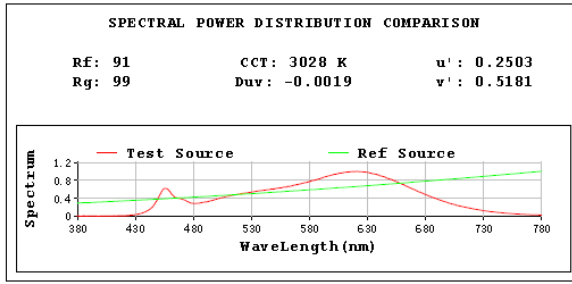
Photometric Measurement – Goniophotometer Method:

Parameter	Result
Test Voltage (V)	120.0
Frequency (Hz)	60
Total Luminous (lm)	1747.7
Luminous Efficacy (lm/W)	88.72

Parameter	Result
Test Voltage (V)	277.0
Frequency (Hz)	60
Total Luminous (lm)	1713.0
Luminous Efficacy (lm/W)	87.44

Spectral Power Distribution & Chromaticity Diagram





2.1.9 Electrical, Photometric and Chromaticity Measurements

Test date	2025-08-13	Test Ambient:	25.1 °C
Test Orientation	As intended	Stabilization Time (min)	90
Model Number	ND22-20-4HRW 25°	3500K	

Electrical Measurement:

Sample No.	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
202507280015	120.0	60	0.161	19.30	0.996

Chromaticity Measurement - Sphere-Spectroradiometer Method:

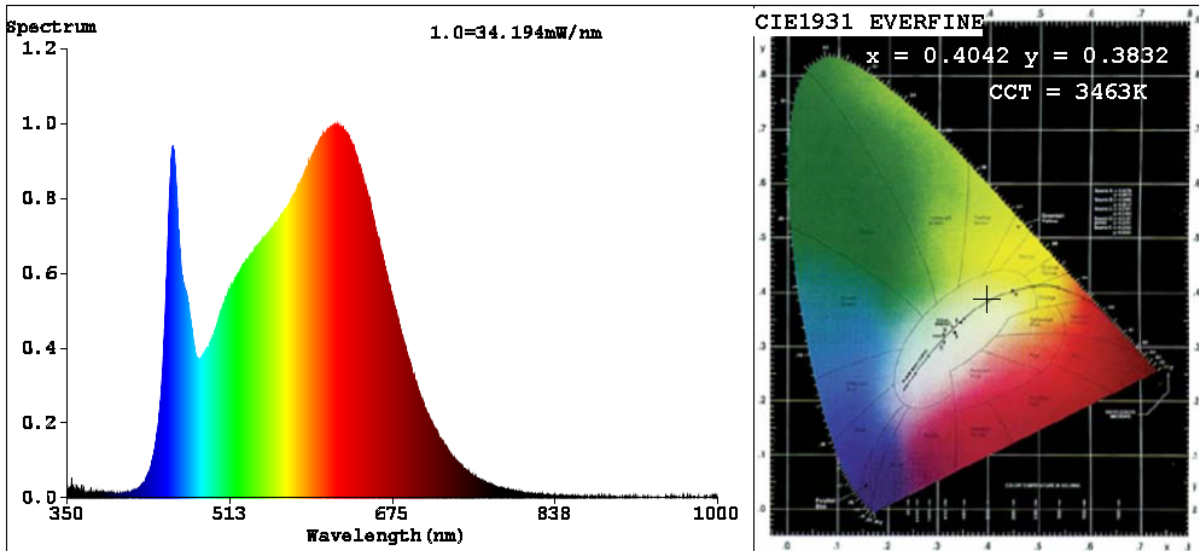
Parameter	Result	Special Color Rendering Indices			
Test Voltage (V)	120	R1	97	R9	72
Frequency (Hz)	60	R2	99	R10	99
CCT (K)	3462	R3	97	R11	95
Duv	-0.0031	R4	94	R12	77
Chromaticity (x, y)	x=0.4042 y=0.3832	R5	96	R13	99
Chromaticity (u', v')	u'=0.2381 v'=0.5079	R6	95	R14	100
Color Rendering Index (CRI)	94.5	R7	92	R15	94
R9	72	R8	86	--	--
Rg	99				
Rf	91				
Rcs,h1%	-4				

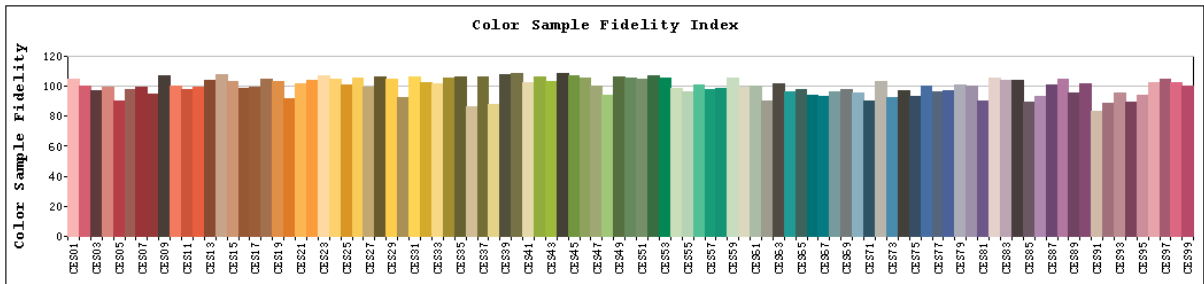
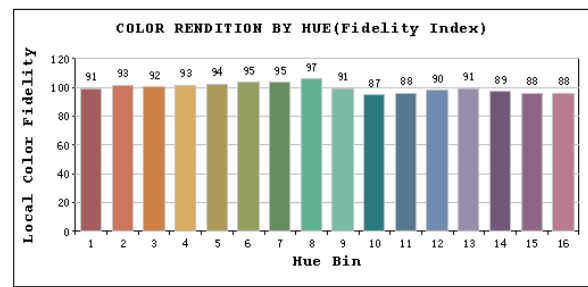
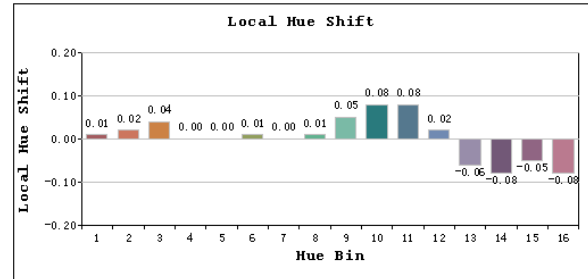
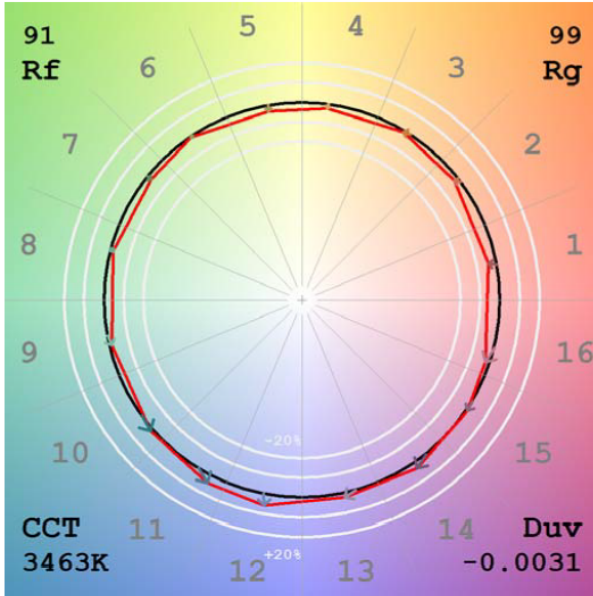
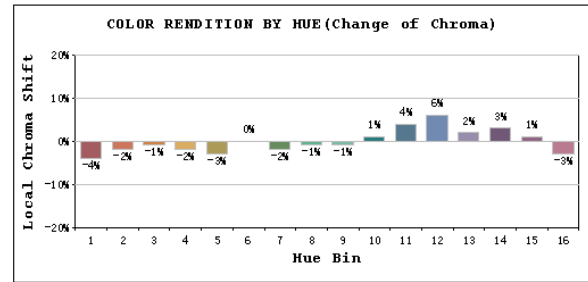
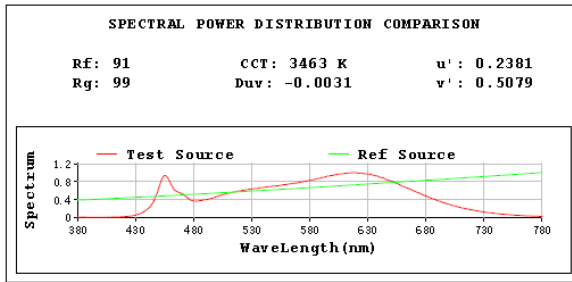
Photometric Measurement – Goniophotometer Method:

Parameter	Result
Test Voltage (V)	120.0
Frequency (Hz)	60
Total Luminous (lm)	1833.3
Luminous Efficacy (lm/W)	94.99

Parameter	Result
Test Voltage (V)	277.0
Frequency (Hz)	60
Total Luminous (lm)	1792.0
Luminous Efficacy (lm/W)	93.19

Spectral Power Distribution & Chromaticity Diagram





2.1.10 Electrical, Photometric and Chromaticity Measurements

Test date	2025-08-13	Test Ambient:	25.1 °C
Test Orientation	As intended	Stabilization Time (min)	90
Model Number	ND22-20-4HRW 25°	4000K	

Electrical Measurement:

Sample No.	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
202507280015	120.0	60	0.163	19.50	0.996

Chromaticity Measurement - Sphere-Spectroradiometer Method:

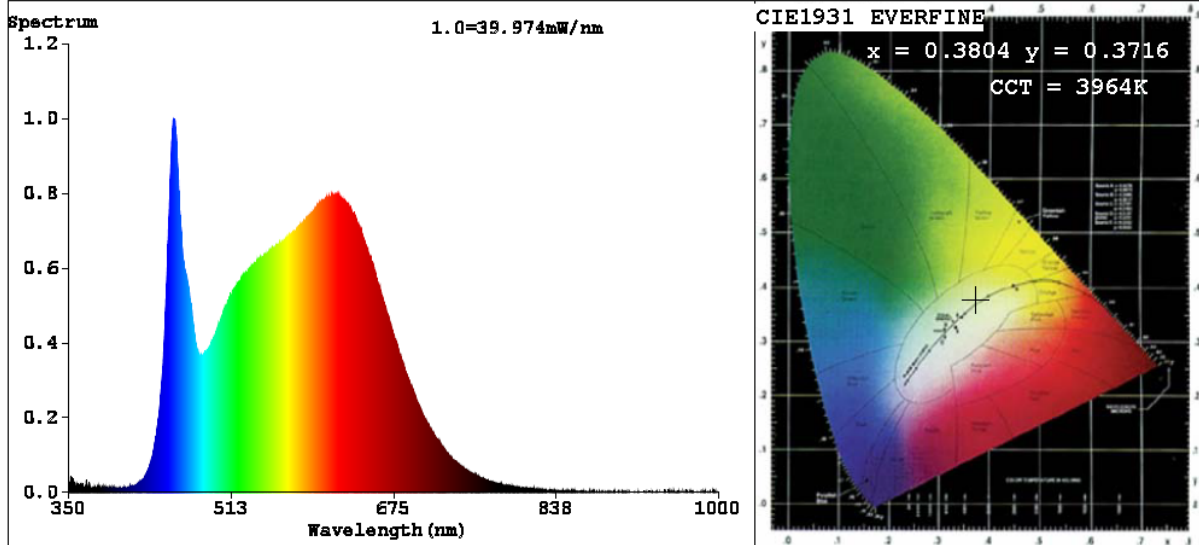
Parameter	Result	Special Color Rendering Indices			
Test Voltage (V)	120	R1	96	R9	75
Frequency (Hz)	60	R2	99	R10	97
CCT (K)	3964	R3	98	R11	94
Duv	-0.0024	R4	93	R12	73
Chromaticity (x, y)	x=0.3804 y=0.3716	R5	95	R13	98
Chromaticity (u', v')	u'=0.2271 v'=0.4993	R6	95	R14	100
Color Rendering Index (CRI)	94.6	R7	93	R15	94
R9	75	R8	88	--	--
Rg	99				
Rf	91				
Rcs,h1%	-4				

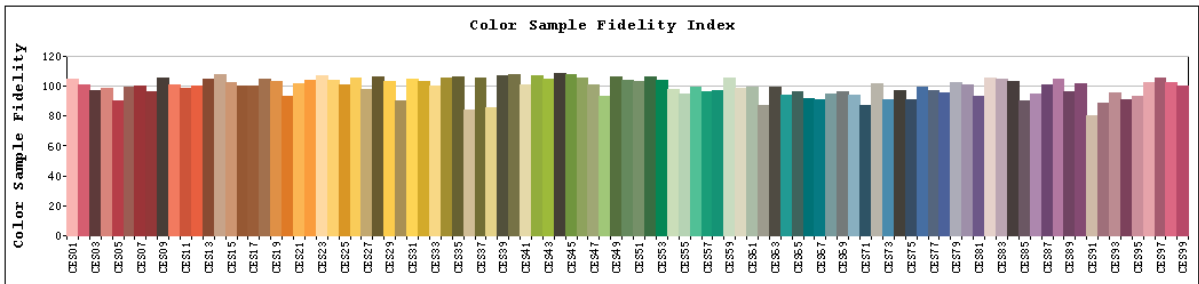
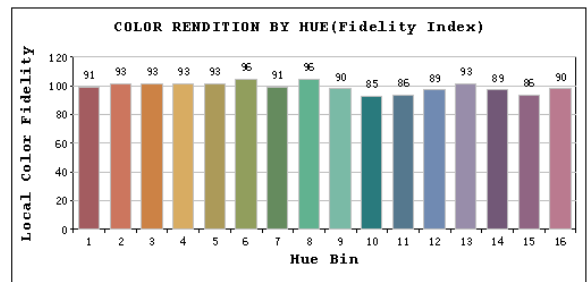
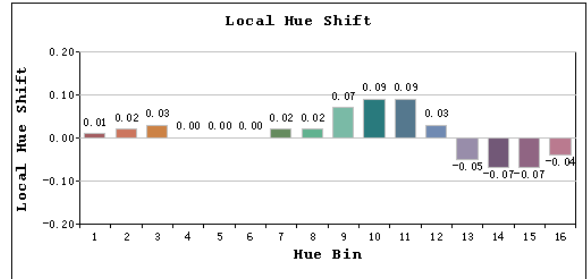
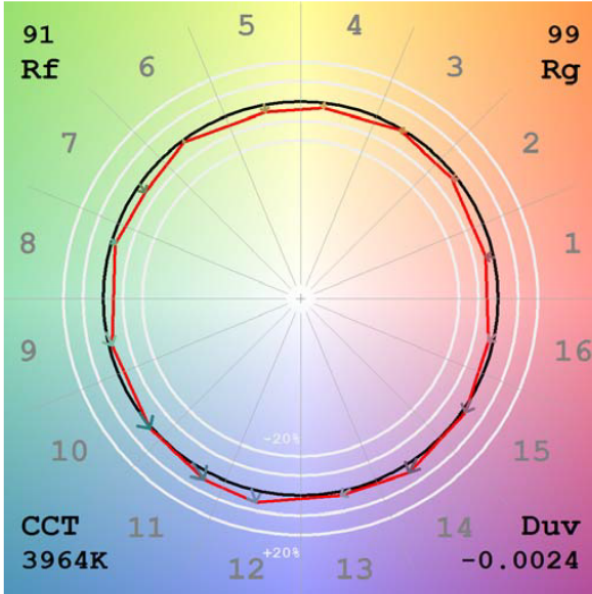
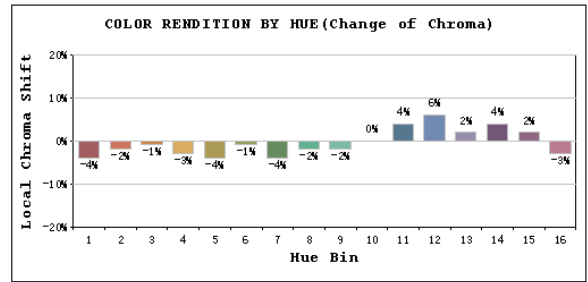
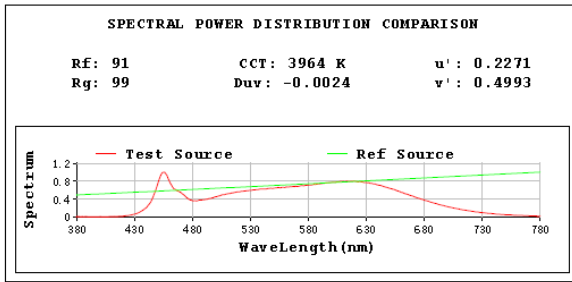
Photometric Measurement – Goniophotometer Method:

Parameter	Result
Test Voltage (V)	120.0
Frequency (Hz)	60
Total Luminous (lm)	1883.2
Luminous Efficacy (lm/W)	96.58

Parameter	Result
Test Voltage (V)	277.0
Frequency (Hz)	60
Total Luminous (lm)	1848.0
Luminous Efficacy (lm/W)	95.26

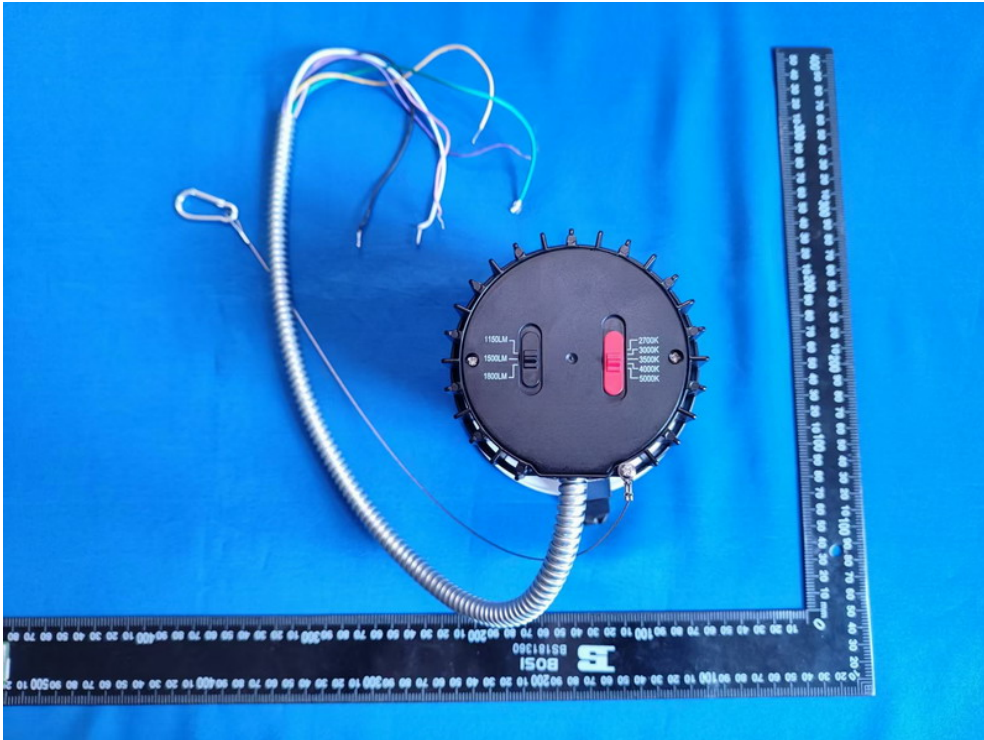
Spectral Power Distribution & Chromaticity Diagram





Sample No.	Wattage and CCT setting	Test Voltage(V)	Flux(lm)	P(W)	Luminous Efficacy lm/W
ND22-20-4HRW 45°	12W-5000K setting	120	1274.2	12.00	106.19
		277	1244.0	11.95	104.10
	16W-5000K setting	120	1588.6	16.00	99.29
		277	1558.0	15.92	97.86
	20W-2700K setting	120	1693.7	19.60	86.41
		277	1663.0	19.51	85.24
	20W-3000K setting	120	1766.5	19.70	89.67
		277	1736.0	19.58	88.66
	20W-3500K setting	120	1856.6	19.30	96.20
		277	1826.0	19.21	95.05
	20W-4000K setting	120	1909.1	19.50	97.90
		277	1879.0	19.38	96.96
	20W-5000K setting	120	1913.4	19.90	96.15
		277	1883.0	19.73	95.44
ND22-20-4HRW 25°	12W-5000K setting	120	1258.9	12.00	104.91
		277	1241.0	11.96	103.76
	16W-5000K setting	120	1566.8	16.00	97.93
		277	1536.0	15.91	96.54
	20W-2700K setting	120	1681.4	19.70	85.35
		277	1644.0	19.60	83.88
	20W-3000K setting	120	1747.7	19.70	88.72
		277	1713.0	19.59	87.44
	20W-3500K setting	120	1833.3	19.30	94.99
		277	1792.0	19.23	93.19
	20W-4000K setting	120	1883.2	19.50	96.58
		277	1848.0	19.40	95.26
	20W-5000K setting	120	1894.2	19.90	95.18
		277	1859.0	19.78	93.98

3. Product Photo



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