

Photometric Test Report

Relevant Standards

- ANSI/IES LM-79-2019
- ANSI C82.77-2017

Prepared For

RAB Lighting Inc.

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Prepared By

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Issue Date: 2025-10-28

Revised Date: N/A

1.0 Test Summary

DLC Technical Requirements V6.0

Architectural Flood and Spot Luminaires				
Requirement Category	Test Method	Requirements		Test Value
Luminaire Output (lm) (Goniophotometer – Section 4.2)	ANSI/IES LM-79:2019	250		182
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)	ANSI/IES LM-79:2019	Standard		23.0
		30		
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)	ANSI/IES LM-79:2019	Worst Case		7.9
Total Harmonic Distortion (A%) (THD & PF – Section 4.3)	ANSI C82.77:2002	20.00%	120V	14.26
	ANSI C82-77-10:2020			
Power Factor (THD & PF – Section 4.3)	ANSI C82.77:2002	0.9	120V	0.971
	ANSI C82-77-10:2020			
Allowable CCTs* (K) (Integrating Sphere – Section 4.1)	ANSI/IES LM-79:2019	de-Amber		1352
Spectrum dominant wavelength (nm) (Integrating Sphere – Section 4.1)	ANSI/IES LM-79:2019	de-Amber: 590-605nm		596.6
Spectrum full width at half maximum (nm) (Integrating Sphere – Section 4.1)	ANSI/IES LM-79:2019	de-Amber: ≤ 20nm		18.2
Minimum CRI (Integrating Sphere – Section 4.1)	ANSI/IES LM-79:2019 CIE13.3-1995	N/A		-9.8
Minimum R9 (Integrating Sphere – Section 4.1)	ANSI/IES LM-79:2019 CIE13.3-1995	N/A		-328
Minimum Rf (Integrating Sphere – Section 4.1)	ANSI/IES TM-30-18	N/A		4
Minimum Rg (Integrating Sphere – Section 4.1)	ANSI/IES TM-30-18	N/A		3
IES Rcs,h1 (Integrating Sphere – Section 4.1)	ANSI/IES TM-30-18	N/A		N/A
Zonal Lumen Requirement (0°-90°) (Goniophotometer – Section 4.2)	ANSI/IES LM-79:2019	≥85%		100.0%
Input Voltage (V)				
(Goniophotometer – Section 4.2)	ANSI/IES LM-79:2019	Worst Cast		120.0
(Goniophotometer – Section 4.2)		Non-Worst Case		N/A
Input Current (A)				
(Goniophotometer – Section 4.2)	ANSI/IES LM-79:2019	Worst Case		0.068
(Goniophotometer – Section 4.2)		Non-Worst Case		N/A
Power (Input Wattage – W)				
(Goniophotometer – Section 4.2)	ANSI/IES LM-79:2019	Worst Case		7.9
(Goniophotometer – Section 4.2)		Non-Worst Case		N/A

2.0 Test List

Test Item	Test	Test Date	Model Number	Build Level	Sample No.
1	Integrating Sphere Test	2025-10-27	LF34SYA	-	251027006-S1
2	Goniophotometer Test	2025-10-27	LF34SYA	-	251027006-S1
3	THD and PF Test	2025-10-27	LF34SYA	-	251027006-S1

Remark (If any):

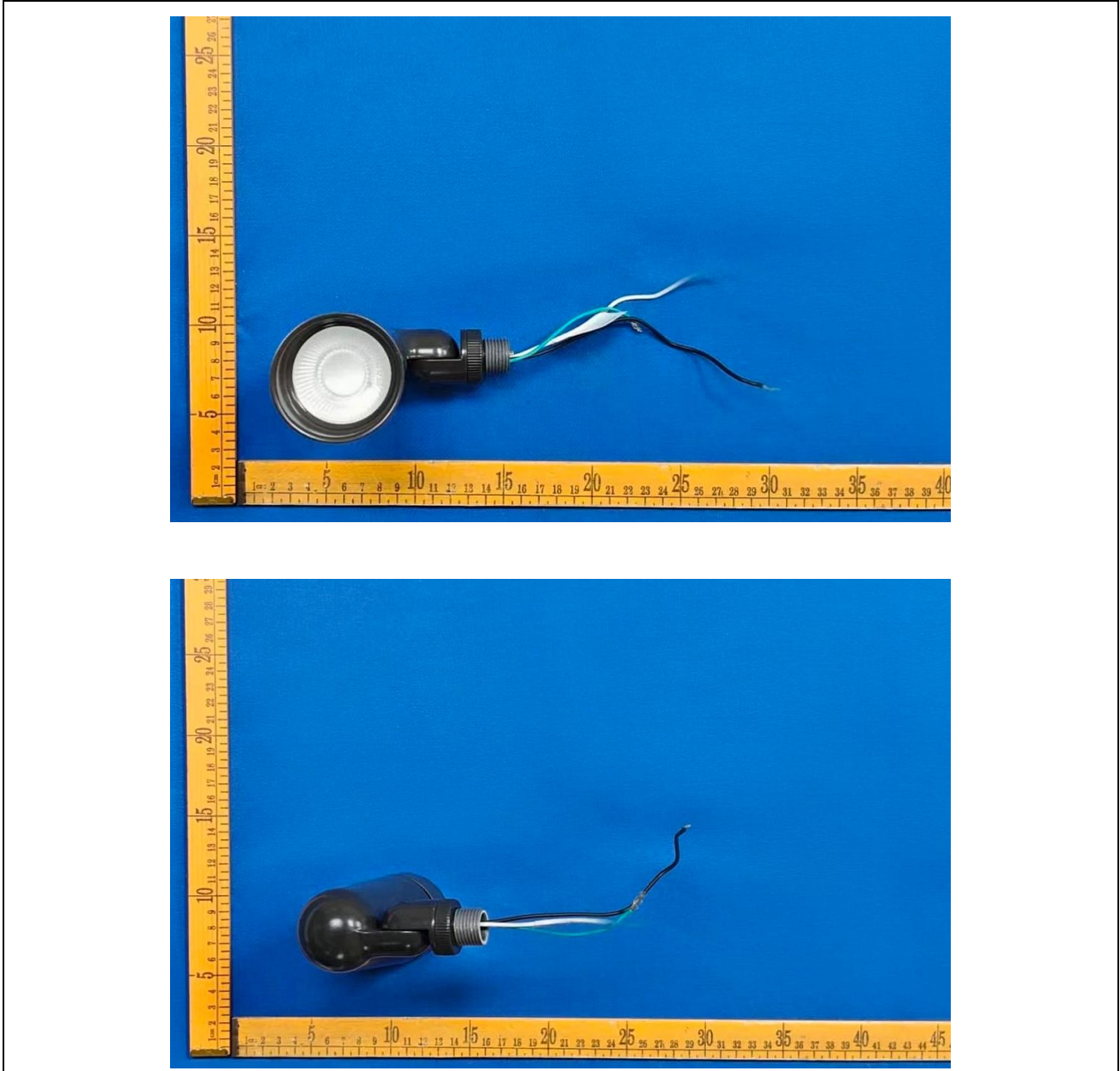
1. The results contained in this report pertain only to the tested samples.
2. This report shall not be reproduced, no limited part or full, without approval of Dongguan New Testing Centre Co., Ltd.
3. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the U.S. Government.

3.0 Product Description

Luminaire Description: Model No. LF34SYA.

Electrical Specification: 120Vac, 50/60Hz

Photos of Luminaire Characteristics



4.0 LM-79 Measurement and Test Results

4.1 Integrating Sphere Test

Model No.	LF34SYA	Sample ID	251027006-S1
Operate time (Min.)	10	Stabilization time (Min.)	60
Temperature (°C)	25.4	Humidity (%RH)	41.0

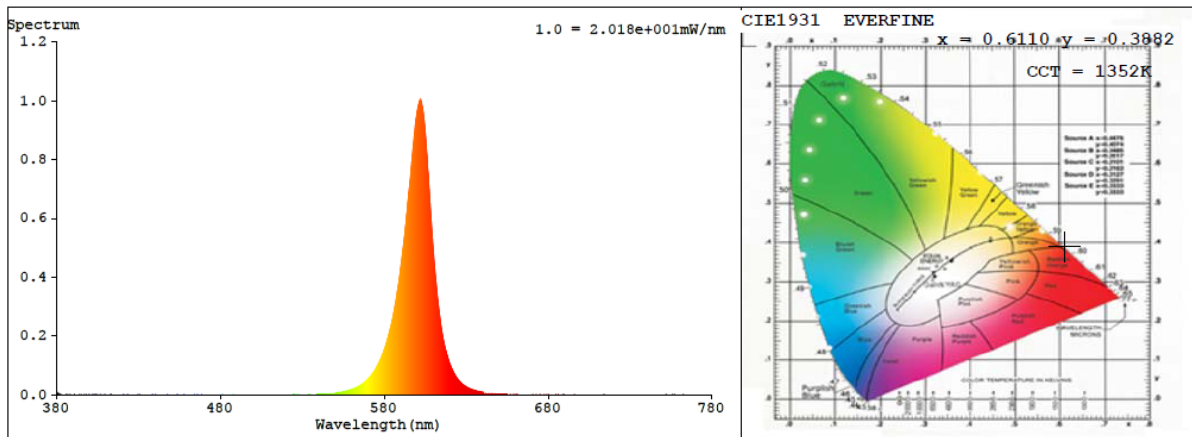
Test Method
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at 25±1°C.</p> <p>The sample measurements were made using a spectroradiometer connected by a fiber optic cable and detector through the detector port of the integrating sphere.</p> <p>The voltage of an AC power supply (RMS voltage) or DC power supply (instantaneous voltage) applied to the device under test shall be regulated to within ±0.2 percent under load.</p> <p>The sample was measured using 4π geometry and operated at rated voltage and was stabilized before measurement. Chromaticity coordinates, correlated color temperature and color rendering index were calculated from the spectral radiant flux measurements taken at 1 nm intervals over the range of 380 to 780nm.</p>

Test Result

Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
120.0	60	0.068	7.9	0.971

CCT (K)	CRI	R9	Duv	Rf	Rg	IES Rcs,h1	Dominant Wavelength (nm)	FWHM (nm)
1352	-9.8	-328	0.0024	4	3	N/A	596.6	18.2

4.1 Integrating Sphere Test



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6110$ $y = 0.3882$ / $u' = 0.3797$ $v' = 0.5428$ ($duv=2.38e-03$)

CCT= 1352K Prcp WL: $L_d=596.6\text{nm}$ Purity=99.9%

Peak WL: $L_p=602\text{nm}$ FWHM: =18.2nm Ratio:R=44.7% G=55.3% B=0.0%

Render Index: $R_a = -9.8$ AvgR = -27.5 TM30:Rf=2 Rg=2

EEL: 0.36212 B

R1 =-18 R2 =61 R3 =19 R4 =-54 R5 =-26 R6 =60 R7 =-4

R8 =-118 R9 =-328 R10=44 R11=-73 R12=23 R13=0 R14=50 R15=-50

4.1 Integrating Sphere Test

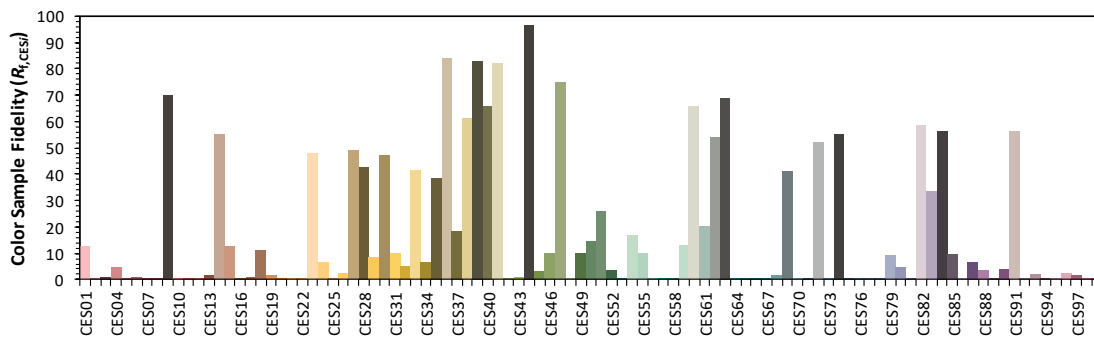
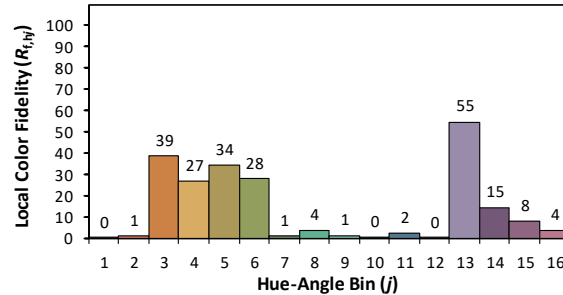
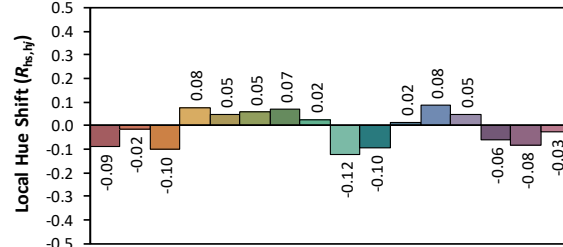
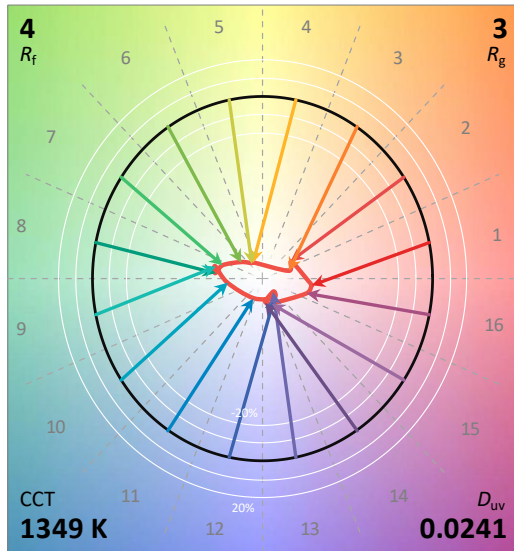
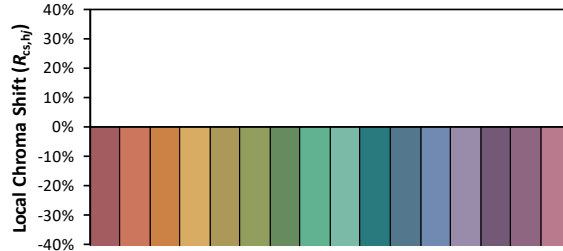
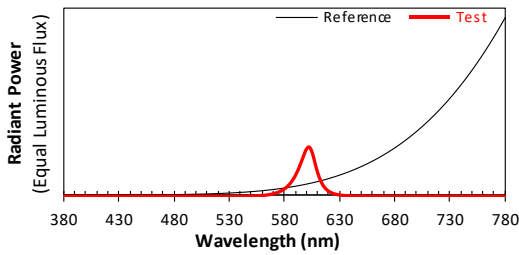
ANSI/IES TM-30-18 Color Rendition Report

Source: 1 CIE F1

Manufacturer: RAB Lighting Inc.

Date: 2025/10/28

Model: LF34SYA



Notes: This is a recommended method for displaying ANSI/IES TM-30-18 information.

x 0.6114
 y 0.3879
 u' 0.3802
 v' 0.5428

CIE 13.3-1995 (CRI)	
R_a	-10
R_9	-330

4.1 Integrating Sphere Test

Spectral Distribution over Visible Wavelength											
WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)
380	2.00E-07	447	0.00E+00	514	1.00E-07	581	1.69E-04	648	2.10E-06	715	0.00E+00
381	2.80E-06	448	2.00E-07	515	0.00E+00	582	1.88E-04	649	2.00E-06	716	1.00E-07
382	3.00E-07	449	2.00E-07	516	2.00E-07	583	2.09E-04	650	1.70E-06	717	2.00E-07
383	0.00E+00	450	1.00E-07	517	2.00E-07	584	2.31E-04	651	1.70E-06	718	1.00E-07
384	0.00E+00	451	0.00E+00	518	1.00E-07	585	2.58E-04	652	1.40E-06	719	0.00E+00
385	0.00E+00	452	2.00E-07	519	1.00E-07	586	2.86E-04	653	1.40E-06	720	0.00E+00
386	0.00E+00	453	0.00E+00	520	1.00E-07	587	3.17E-04	654	1.20E-06	721	1.00E-07
387	2.00E-07	454	1.00E-07	521	2.00E-07	588	3.52E-04	655	1.20E-06	722	0.00E+00
388	0.00E+00	455	0.00E+00	522	2.00E-07	589	3.88E-04	656	1.10E-06	723	0.00E+00
389	0.00E+00	456	1.00E-07	523	1.00E-07	590	4.31E-04	657	7.00E-07	724	1.00E-07
390	0.00E+00	457	0.00E+00	524	2.00E-07	591	4.74E-04	658	8.00E-07	725	0.00E+00
391	2.00E-07	458	2.00E-07	525	2.00E-07	592	5.22E-04	659	7.00E-07	726	1.00E-07
392	0.00E+00	459	0.00E+00	526	2.00E-07	593	5.74E-04	660	6.00E-07	727	1.00E-07
393	0.00E+00	460	0.00E+00	527	3.00E-07	594	6.33E-04	661	7.00E-07	728	0.00E+00
394	3.00E-07	461	0.00E+00	528	4.00E-07	595	6.88E-04	662	6.00E-07	729	0.00E+00
395	5.00E-07	462	0.00E+00	529	3.00E-07	596	7.44E-04	663	6.00E-07	730	1.00E-07
396	0.00E+00	463	0.00E+00	530	4.00E-07	597	8.04E-04	664	6.00E-07	731	1.00E-07
397	2.00E-07	464	3.00E-07	531	4.00E-07	598	8.63E-04	665	5.00E-07	732	0.00E+00
398	2.00E-07	465	0.00E+00	532	5.00E-07	599	9.18E-04	666	6.00E-07	733	1.00E-07
399	1.00E-07	466	2.00E-07	533	6.00E-07	600	9.59E-04	667	5.00E-07	734	0.00E+00
400	5.00E-07	467	0.00E+00	534	7.00E-07	601	9.87E-04	668	4.00E-07	735	0.00E+00
401	0.00E+00	468	0.00E+00	535	8.00E-07	602	9.99E-04	669	5.00E-07	736	0.00E+00
402	3.00E-07	469	0.00E+00	536	9.00E-07	603	9.83E-04	670	5.00E-07	737	0.00E+00
403	5.00E-07	470	1.00E-07	537	9.00E-07	604	9.47E-04	671	3.00E-07	738	0.00E+00
404	2.00E-07	471	1.00E-07	538	1.00E-06	605	8.88E-04	672	4.00E-07	739	0.00E+00
405	4.00E-07	472	2.00E-07	539	1.30E-06	606	8.14E-04	673	3.00E-07	740	0.00E+00
406	0.00E+00	473	0.00E+00	540	1.50E-06	607	7.29E-04	674	3.00E-07	741	2.00E-07
407	6.00E-07	474	2.00E-07	541	1.60E-06	608	6.40E-04	675	3.00E-07	742	2.00E-07
408	0.00E+00	475	1.00E-07	542	1.70E-06	609	5.54E-04	676	1.00E-07	743	1.00E-07
409	0.00E+00	476	0.00E+00	543	1.90E-06	610	4.80E-04	677	2.00E-07	744	1.00E-07
410	0.00E+00	477	0.00E+00	544	2.30E-06	611	4.12E-04	678	2.00E-07	745	2.00E-07
411	2.00E-07	478	0.00E+00	545	2.50E-06	612	3.54E-04	679	3.00E-07	746	2.00E-07
412	0.00E+00	479	0.00E+00	546	2.90E-06	613	3.03E-04	680	3.00E-07	747	1.00E-07
413	3.00E-07	480	0.00E+00	547	3.10E-06	614	2.57E-04	681	1.00E-07	748	0.00E+00
414	0.00E+00	481	2.00E-07	548	3.50E-06	615	2.18E-04	682	1.00E-07	749	0.00E+00
415	0.00E+00	482	0.00E+00	549	3.80E-06	616	1.87E-04	683	2.00E-07	750	1.00E-07
416	0.00E+00	483	2.00E-07	550	4.30E-06	617	1.60E-04	684	1.00E-07	751	0.00E+00
417	1.00E-07	484	0.00E+00	551	6.30E-06	618	1.38E-04	685	2.00E-07	752	2.00E-07
418	0.00E+00	485	1.00E-07	552	7.10E-06	619	1.18E-04	686	2.00E-07	753	0.00E+00
419	0.00E+00	486	0.00E+00	553	8.00E-06	620	1.02E-04	687	1.00E-07	754	0.00E+00
420	0.00E+00	487	1.00E-07	554	8.80E-06	621	8.86E-05	688	2.00E-07	755	1.00E-07
421	5.00E-07	488	2.00E-07	555	9.80E-06	622	7.71E-05	689	3.00E-07	756	2.00E-07
422	0.00E+00	489	0.00E+00	556	1.11E-05	623	6.70E-05	690	1.00E-07	757	3.00E-07
423	1.00E-07	490	1.00E-07	557	1.25E-05	624	5.79E-05	691	1.00E-07	758	0.00E+00
424	0.00E+00	491	0.00E+00	558	1.36E-05	625	5.06E-05	692	2.00E-07	759	0.00E+00
425	1.00E-07	492	1.00E-07	559	1.53E-05	626	4.47E-05	693	0.00E+00	760	0.00E+00
426	0.00E+00	493	0.00E+00	560	1.69E-05	627	3.87E-05	694	1.00E-07	761	1.00E-07
427	0.00E+00	494	1.00E-07	561	1.91E-05	628	3.39E-05	695	0.00E+00	762	1.00E-07
428	0.00E+00	495	1.00E-07	562	2.12E-05	629	2.98E-05	696	3.00E-07	763	1.00E-07
429	0.00E+00	496	0.00E+00	563	2.38E-05	630	2.64E-05	697	1.00E-07	764	0.00E+00
430	2.00E-07	497	0.00E+00	564	2.70E-05	631	2.35E-05	698	1.00E-07	765	0.00E+00
431	1.00E-07	498	0.00E+00	565	3.02E-05	632	2.07E-05	699	2.00E-07	766	1.00E-07
432	0.00E+00	499	0.00E+00	566	3.35E-05	633	1.83E-05	700	0.00E+00	767	2.00E-07
433	0.00E+00	500	0.00E+00	567	3.70E-05	634	1.65E-05	701	1.00E-07	768	0.00E+00
434	1.00E-07	501	1.00E-07	568	4.17E-05	635	1.44E-05	702	0.00E+00	769	1.00E-07
435	2.00E-07	502	0.00E+00	569	4.66E-05	636	1.31E-05	703	1.00E-07	770	1.00E-07
436	0.00E+00	503	0.00E+00	570	5.20E-05	637	1.16E-05	704	0.00E+00	771	0.00E+00
437	2.00E-07	504	1.00E-07	571	5.81E-05	638	1.04E-05	705	1.00E-07	772	1.00E-07
438	0.00E+00	505	0.00E+00	572	6.48E-05	639	9.30E-06	706	0.00E+00	773	1.00E-07
439	0.00E+00	506	0.00E+00	573	7.19E-05	640	8.40E-06	707	1.00E-07	774	0.00E+00
440	0.00E+00	507	0.00E+00	574	7.99E-05	641	4.60E-06	708	0.00E+00	775	0.00E+00
441	0.00E+00	508	1.00E-07	575	8.92E-05	642	4.10E-06	709	1.00E-07	776	0.00E+00
442	0.00E+00	509	0.00E+00	576	9.94E-05	643	3.90E-06	710	1.00E-07	777	0.00E+00
443	0.00E+00	510	0.00E+00	577	1.10E-04	644	3.30E-06	711	0.00E+00	778	0.00E+00
444	0.00E+00	511	1.00E-07	578	1.22E-04	645	3.10E-06	712	1.00E-07	779	0.00E+00
445	0.00E+00	512	1.00E-07	579	1.35E-04	646	2.70E-06	713	1.00E-07	780	0.00E+00
446	1.00E-07	513	0.00E+00	580	1.51E-04	647	2.30E-06	714	2.00E-07	N/A	N/A

4.0 LM-79 Measurement and Test Results

4.2 Goniophotometer Test

Model No.	LF34SYA	Sample ID	251027006-S1
Operate time (Min.)	30	Stabilization time (Min.)	60
Temperature (°C)	24.7	Humidity (%RH)	41.5

Test Method
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using a type C goniophotometer and software.</p> <p>The ambient temperature shall be maintained at 25±1°C, measured at a point not more than 1 m from the sample and at the same height as the sample.</p> <p>The voltage of an AC power supply (RMS voltage) or DC power supply (instantaneous voltage) applied to the device under test shall be regulated to within ±0.2 percent under load.</p> <p>The samples were operated at rated voltage and was stabilized before measurement. Luminous flux, luminaire efficacy, zonal lumen were calculated from the software taken at 1.0° vertical intervals and 15° horizontal intervals.</p>

Test Conditions

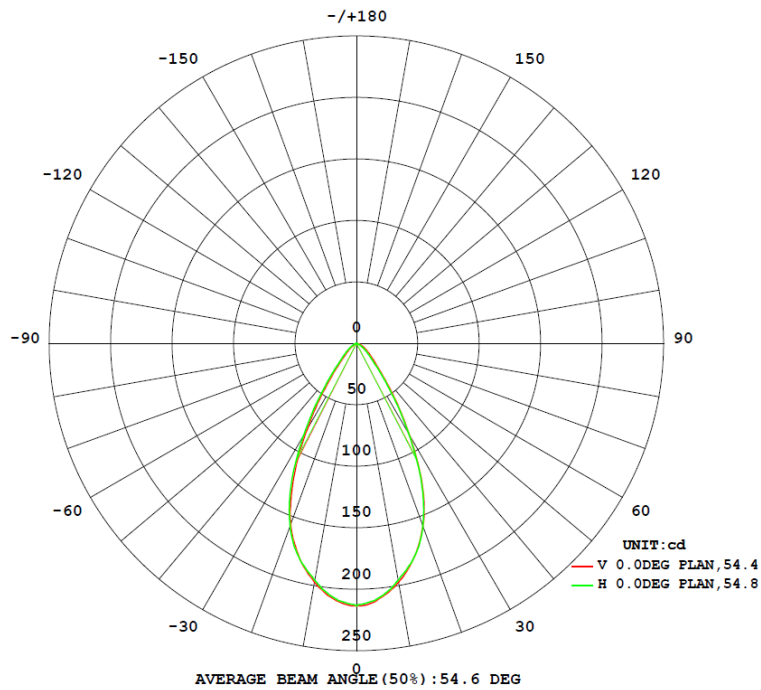
Condition	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
WORST CASE	120.0	60	0.068	7.9	0.971
NON-WORST CASE	N/A	N/A	N/A	N/A	N/A

Test Result

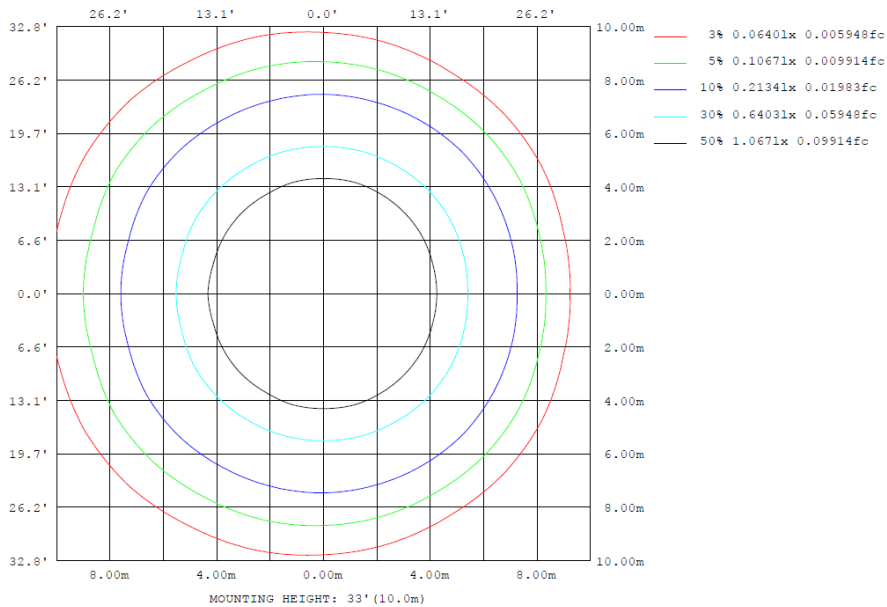
Flux (lm)	Field Angle (10%)		Beam Angle (50%)		Luminous Efficacy (lm/W)	Zonal Lumen Requirement (0°-90°)	NEMA Type
	C0-180	C90-270	C0-180	C90-270			
182	84.8	85.8	54.8	54.4	23.0	100.0%	5H x 5V

4.2 Goniophotometer Test

Lighting Distribution Curve



Isolux Plot



4.2 Goniophotometer Test

Zonal Lumen Summary

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	φ zone	φ total	lum, lamp
10	197.2	198.3	195.6	197.2	197.3	197.2	195.6	198.3	0- 10	19.49	19.49	10.7,10.7
20	156.7	157.1	158.3	156.7	158.3	156.7	158.3	157.1	10- 20	50.13	69.62	38.3,38.3
30	80.38	86.48	86.01	87.75	87.16	87.75	86.01	86.48	20- 30	56.33	125.9	69.3,69.3
40	22.81	25.97	27.61	31.14	31.38	31.14	27.61	25.97	30- 40	32.59	158.5	87.2,87.2
50	7.692	8.921	10.80	13.58	14.34	13.58	10.80	8.921	40- 50	13.50	172.0	94.6,94.6
60	1.942	2.484	4.305	6.557	7.482	6.557	4.305	2.484	50- 60	6.529	178.6	98.2,98.2
70	0.0023	0.0668	0.9012	2.331	3.263	2.331	0.9012	0.0668	60- 70	2.606	181.2	99.7,99.7
80	0	0	0.0221	0.1745	0.4555	0.1745	0.0221	0	70- 80	0.5535	181.7	100,100
90	0	0	0	0	0	0	0	0	80- 90	0.0376	181.8	100,100
100	0	0	0	0	0	0	0	0	90-100	0	181.8	100,100
110	0	0	0	0	0	0	0	0	100-110	0	181.8	100,100
120	0	0	0	0	0	0	0	0	110-120	0	181.8	100,100
130	0	0	0	0	0	0	0	0	120-130	0	181.8	100,100
140	0	0	0	0	0	0	0	0	130-140	0	181.8	100,100
150	0	0	0	0	0	0	0	0	140-150	0	181.8	100,100
160	0	0	0	0	0	0	0	0	150-160	0	181.8	100,100
170	0	0	0	0	0	0	0	0	160-170	0	181.8	100,100
180	0	0	0	0	0	0	0	0	170-180	0	181.8	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

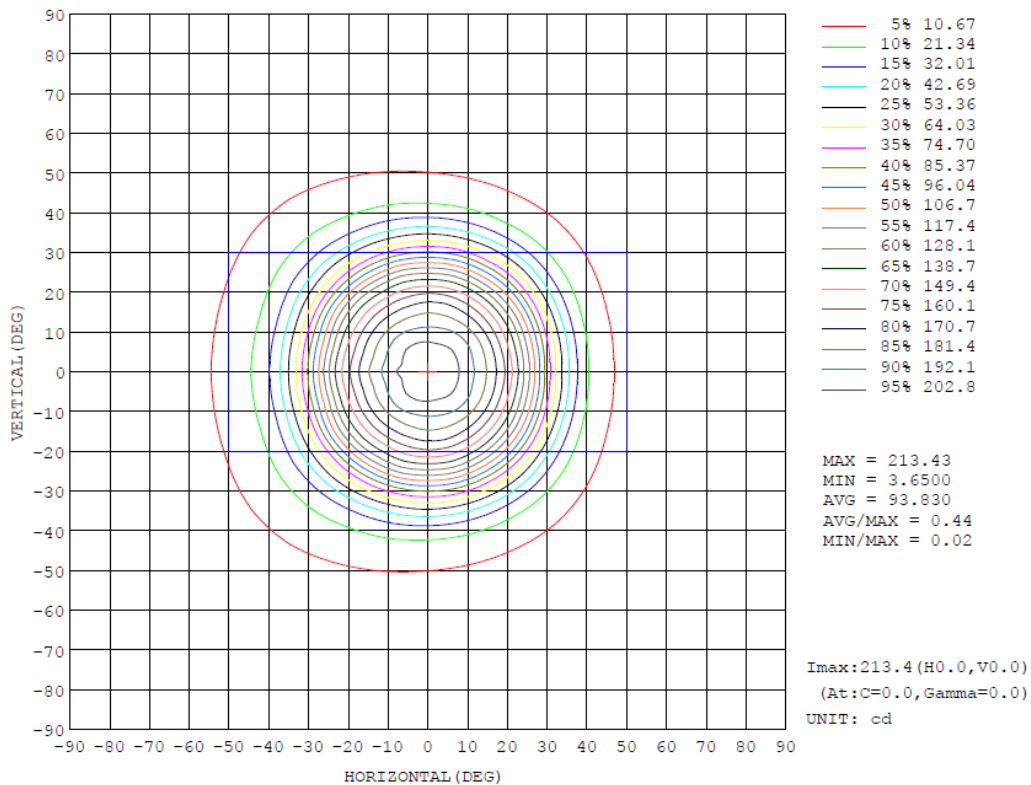
	Zonal (lm)		Total (lm)	Percent
0-10	19.49	0-10	19.49	10.72%
10-20	50.13	0-20	69.62	38.30%
20-30	56.33	0-30	125.95	69.29%
30-40	32.59	0-40	158.54	87.22%
40-50	13.50	0-50	172.04	94.65%
50-60	6.53	0-60	178.57	98.24%
60-70	2.61	0-70	181.18	99.68%
70-80	0.55	0-80	181.73	99.98%
80-90	0.04	0-90	181.77	100.00%
90-100	0.00	0-100	181.77	100.00%
100-110	0.00	0-110	181.77	100.00%
110-120	0.00	0-120	181.77	100.00%
120-130	0.00	0-130	181.77	100.00%
130-140	0.00	0-140	181.77	100.00%
140-150	0.00	0-150	181.77	100.00%
150-160	0.00	0-160	181.77	100.00%
160-170	0.00	0-170	181.77	100.00%
170-180	0.00	0-180	181.77	100.00%

4.2 Goniophotometer Test

Area Flux Diagram

		AREA FLUX DIAGRAM																UNIT: lm		Φ_t	Φ_a
90		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
80		0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00
70		0.00	0.00	0.01	0.02	0.04	0.06	0.07	0.08	0.08	0.07	0.04	0.02	0.01	0.00	0.00	0.00	0.00	0.49	0.00	
60		0.00	0.00	0.01	0.04	0.09	0.14	0.18	0.21	0.22	0.20	0.16	0.10	0.05	0.01	0.00	0.00	0.00	1.43	0.00	
50		0.00	0.00	0.03	0.08	0.15	0.25	0.35	0.46	0.53	0.50	0.39	0.26	0.14	0.05	0.01	0.00	0.00	3.20	0.35	
40		0.00	0.01	0.04	0.11	0.22	0.41	0.72	1.17	1.55	1.53	1.10	0.59	0.28	0.11	0.03	0.00	0.00	7.86	6.24	
30		0.00	0.01	0.05	0.14	0.31	0.68	1.57	2.80	3.65	3.65	2.76	1.45	0.52	0.18	0.05	0.00	0.00	17.8	16.7	
20		0.00	0.01	0.06	0.17	0.39	1.04	2.65	4.36	5.28	5.32	4.36	2.56	0.88	0.24	0.07	0.01	0.00	27.4	26.5	
10		0.00	0.01	0.07	0.18	0.45	1.33	3.31	5.11	6.10	6.13	5.14	3.22	1.16	0.29	0.08	0.01	0.00	32.6	31.8	
0		0.00	0.01	0.07	0.18	0.45	1.33	3.31	5.11	6.10	6.13	5.14	3.22	1.16	0.29	0.08	0.01	0.00	32.6	31.8	
-10		0.00	0.01	0.06	0.17	0.39	1.04	2.65	4.36	5.28	5.32	4.36	2.56	0.88	0.24	0.07	0.01	0.00	27.4	26.5	
-20		0.00	0.01	0.05	0.14	0.31	0.68	1.57	2.80	3.65	3.65	2.76	1.45	0.52	0.18	0.05	0.00	0.00	17.8	16.7	
-30		0.00	0.01	0.04	0.11	0.22	0.41	0.72	1.17	1.55	1.53	1.10	0.59	0.28	0.11	0.03	0.00	0.00	7.86	6.24	
-40		0.00	0.00	0.03	0.08	0.15	0.25	0.35	0.46	0.53	0.50	0.39	0.26	0.14	0.05	0.01	0.00	0.00	3.20	0.35	
-50		0.00	0.00	0.01	0.04	0.09	0.14	0.18	0.21	0.22	0.20	0.16	0.10	0.05	0.01	0.00	0.00	0.00	1.43	0.00	
-60		0.00	0.00	0.01	0.02	0.04	0.06	0.07	0.08	0.08	0.07	0.04	0.02	0.01	0.00	0.00	0.00	0.00	0.49	0.00	
-70		0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	
-80		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	
-90		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	
Φ_t		0.01	0.11	0.55	1.48	3.28	7.83	17.7	28.4	34.8	34.8	27.9	16.4	6.05	1.76	0.45	0.04	0.00	0.00	182	---
Φ_a		0.00	0.00	0.00	0.00	0.66	6.04	16.2	27.0	33.5	33.5	26.7	15.2	4.46	0.02	0.00	0.00	0.00	0.00	---	163

Isocandela



4.0 LM-79 Measurement and Test Results

4.3 THD and PF Test

Model No.	LF34SYA	Sample ID	251027006-S1
Temperature (°C)	25.4	Humidity (%RH)	41.0

Test Method
<p>The samples were tested according to the and ANSI C82.77: 2002 and ANSI C82.77-10:2020</p> <p>The total harmonic distortion shall be measured to the 40th order.</p> <p>The ambient temperature shall be maintained at 25±1°C. The sample measurements were made using a digital power meter and power supply. The sample was operated at rated voltage and was stabilized before measurement. The total harmonic distortion was calculated.</p>

Test Results

Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor	iTHD(%)
120.0	60	0.068	7.9	0.971	14.26

5.0 Equipment List:

Equipment ID	Equipment Name	Last Cal.	Due Cal.
NTC-F01-001	Goniophotometer System	2024-11-07	2025-11-06
NTC-F01-006	2.0 meter Integrating Sphere	2024-11-07	2025-11-06
NTC-F01-012	Standard Lamp	2025-10-27	2026-10-26
NTC-F01-013	Standard Lamp	2025-10-27	2026-10-26
NTC-F01-031	Digital Power Meter	2025-08-04	2026-08-03
NTC-F01-019	Temperature & Humidity Meter	2024-10-29	2025-10-28

*****End of Report*****