

Photometric Test Report

Relevant Standards

- ☒ IES LM-79-2019
- ☒ ANSI C82.77-10:2014

Prepared For

RAB Lighting Inc.

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Project Number

DLF2510109

Report Number

DLF2510109-1a

Test Date

2025/10/20

Issue Date

2025/10/21

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The results contained in this report pertain only to the tested sample.

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1.0 Test Summary

DLC Technical Requirements v5.1

Outdoor - Full-Cutoff Wall-Mounted Area Luminaires				
Requirement Category	Test Method	Requirements		Test value
Luminaire Output (lm) (Goniophotometer - Section 4.2)	IES LM-79-2019	300		7182
Minimum Luminaire Efficacy (lm/W) (Goniophotometer - Section 4.2)	IES LM-79-2019	Standard 105	Premium 120	148.4
Power (Input Wattage) (W) (Goniophotometer - Section 4.2)	IES LM-79-2019	Worst Case		48.4
Total Harmonic Distortion (A%) (THD & PF - section 4.3)	ANSI C82.77-10: 2014	20.00%	120V	6.15%
		20.00%	277V	9.81%
Power Factor (THD & PF - section 4.3)	ANSI C82.77-10: 2014	0.9	120V	0.993
		0.9	277V	0.946
Allowable CCTs* (K) (Integrating Sphere - Section 4.1)	IES LM-79-2019	7 step	3045±175	3042
		4 step	3045±100	
Minimum CRI (Integrating Sphere - Section 4.1)	IES LM-79-2019 CIE 13.3-1995	≥70		83
Minimum R9 (Integrating Sphere - Section 4.1)	IES LM-79-2019 CIE 13.3-1995	-		8
Minimum Rf (Integrating Sphere - Section 4.1)	ANSI/IES TM-30-18	≥70		84
Minimum Rg (Integrating Sphere - Section 4.1)	ANSI/IES TM-30-18	≥89		97
IES Rcs,h1 (Integrating Sphere - Section 4.1)	ANSI/IES TM-30-18	-18%≤IES Rcs,h1≤+23%		-11%
Zonal Lumen Requirement (0°-90°) (Goniophotometer - Section 4.2)	IES LM-79-2019	100%		100.00%
Zonal Lumen Requirement (80°-90°) (Goniophotometer - Section 4.2)	IES LM-79-2019	≤10%		0.66%
Input Voltage (V)				
(Goniophotometer - Section 4.2)	IES LM-79-2019	Worst Case		277
(Goniophotometer - Section 4.2)		Non-Worst Case		120
Input Current (A)				
(Goniophotometer - Section 4.2)	IES LM-79-2019	Worst Case		0.185
(Goniophotometer - Section 4.2)		Non-Worst Case		0.404
Power (Input Wattage - W)				
(Goniophotometer - Section 4.2)	IES LM-79-2019	Worst Case		48.4
(Goniophotometer - Section 4.2)		Non-Worst Case		48.2

2.0 Test List

Test Item	Test	Test Date	Model Number	Build Level	Sample No.
1	Integrating Sphere Test	2025/10/20	SLIM17FA50ADJ @ 50W/3000K	N/A	DLF2510109-A1
2	Goniophotometer Test	2025/10/20	SLIM17FA50ADJ @ 50W/3000K	N/A	DLF2510109-A1
3	THD and PF Test	2025/10/20	SLIM17FA50ADJ @ 50W/3000K	N/A	DLF2510109-A1

Remark(If any)

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2. The results reported herein have been performed in accordance with the laboratory's terms of accreditation. This report shall not be reproduced except in full without the written approval of the Laboratory. The results in this report apply to the test sample(s) mentioned above at the time of the testing period only and are not to be used to indicate applicability to other similar products. This report does not imply that the product(s) has met the criteria for certification.

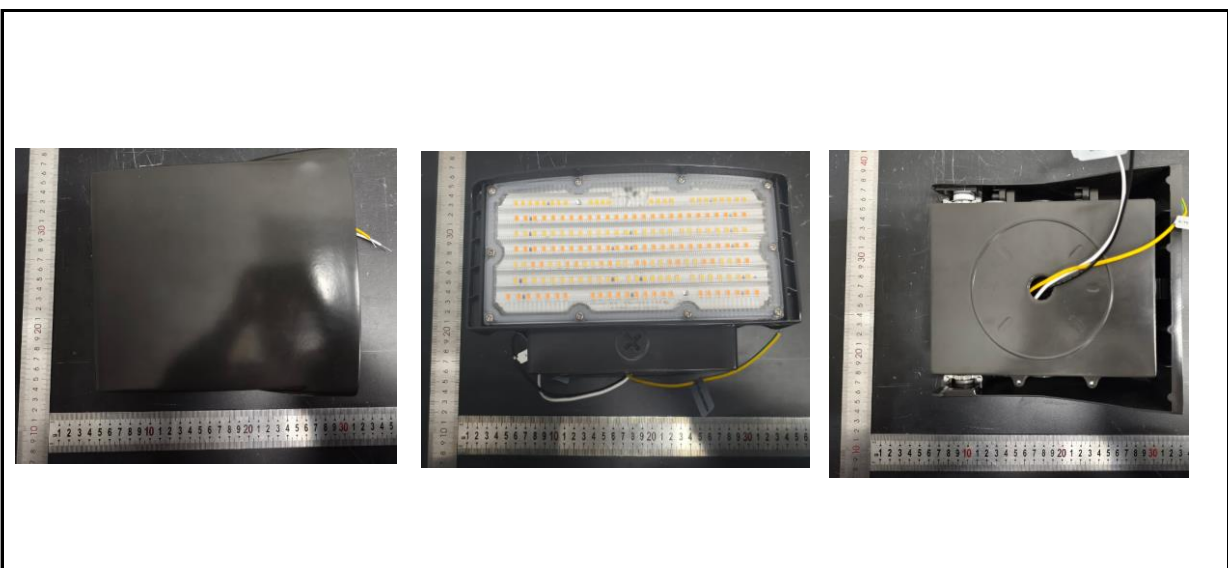
3.0 Production Description

Luminaire Description: SLIM17FA50ADJ @ 50W/3000K

Electrical Specification: 120V-277V,50/60HZ

Received Date: 2025/10/20

Photos of Luminaire Characteristics



4.0 LM-79 Measurement and Test Results

4.1 Integrating Sphere Test

Model No.	SLIM17FA50ADJ @ 50W/3000K	Sample ID.	DLF2510109-A1
Operate time (Min.)	90	Stabilization time (Min.)	45
Temperature (°C)	25.1	Humidity (%RH)	57.0

Test Method

The samples were tested according to the IES LM-79-2019.

Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature and relative humidity condition inside the sphere was maintained at 25° C ± 1.2° C and 10% - 65% RH.

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 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.

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 780 nm.

Test Result

Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
119.99	60	0.404	48.1	0.993
276.99	60	0.184	48.3	0.946

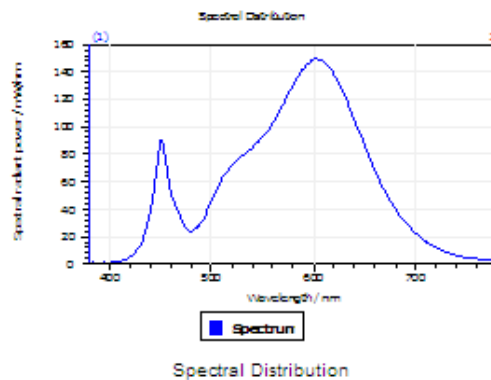
Test Result

CCT (K)	CRI	R9	Duv
3042	83	8	-0.00054

Rf	Rg	IES Rcs,h1
84	97	-11%

4.1 Integrating Sphere Test

Results

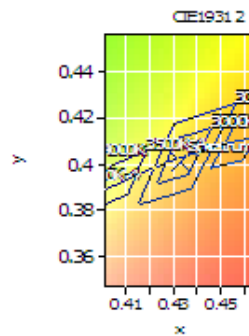


Spectral values

DominantWavelength 582.84 nm
Purity 0.505
PeakWavelength 603.18 nm
Radiant Power 22.37 W
Width50%:

Color Coordinates

Correlated Color Temperat 3042 K
x: 0.4332 u: 0.2493 u': 0.2493
y: 0.4014 v: 0.3465 v': 0.5198
CRI01 81.2 CRI09 7.6
CRI02 90.1 CRI10 77.1
CRI03 98.6 CRI11 80.8
CRI04 81.2 CRI12 68.6
CRI05 81.0 CRI13 83.2
CRI06 87.5 CRI14 98.4
CRI07 83.6 CRI15 73.9
CRI08 60.1 CRI16 71.8
ResultsCRI 82.7



PlanckDistance 5.4E-004

4.1 Integrating Sphere Test - TM-30

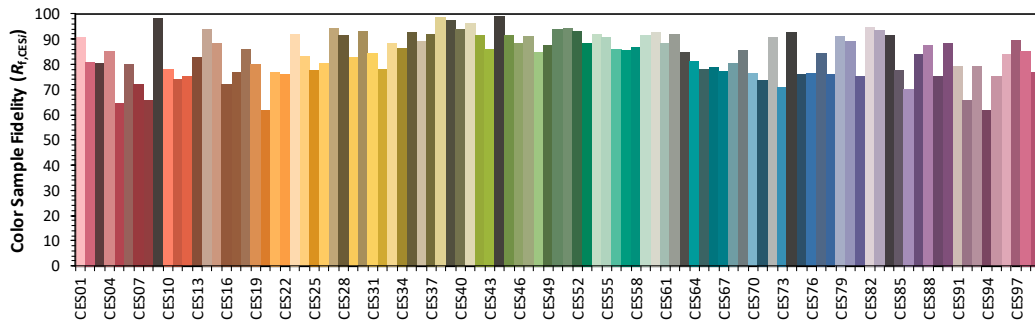
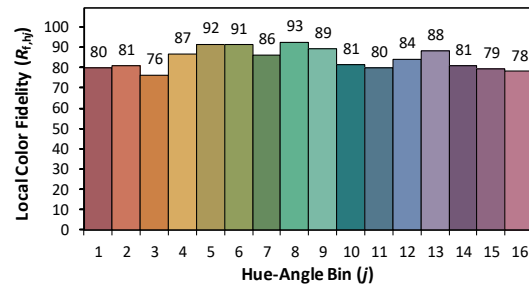
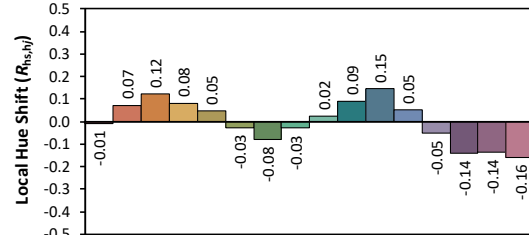
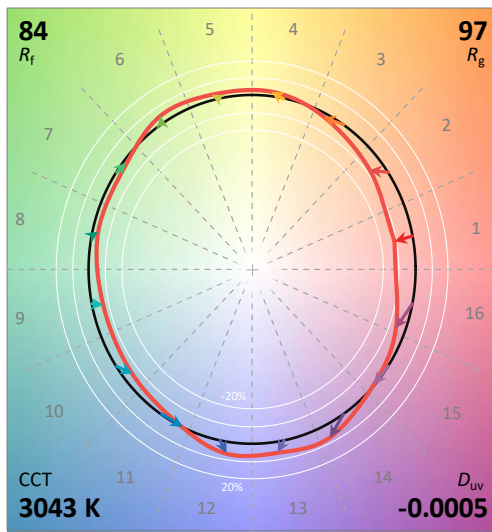
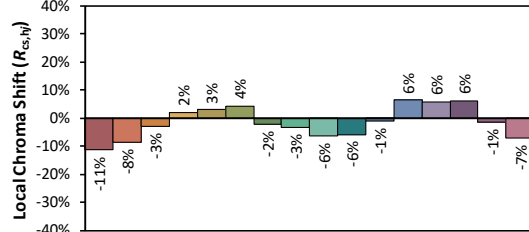
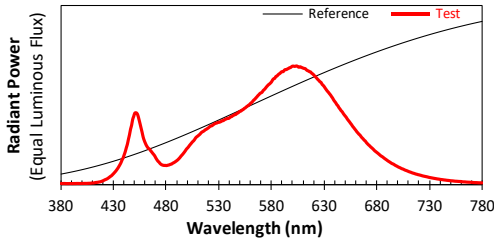
IES TM-30-18 Color Rendition Report

Source: DLF2510109-1a

Manufacturer: RAB Lighting Inc.

Date: 2025/10/20

Model: SLIM17FA50ADJ @ 50W/3000K



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

x 0.4332
 y 0.4014
 u' 0.2493
 v' 0.5198

CIE 13.3-1995
 (CRI)

R_a 83
 R_g 11

4.1 Integrating Sphere Test

Spectral Distribution over Visible Wavelength							
WL (nm)	Radiant (Watts/nm)	WL (nm)	Radiant (Watts/nm)	WL (nm)	Radiant (Watts/nm)	WL (nm)	Radiant (Watts/nm)
380	1.15E-03	485	2.58E-02	590	1.43E-01	695	2.61E-02
385	1.05E-03	490	3.02E-02	595	1.46E-01	700	2.23E-02
390	1.04E-03	495	3.73E-02	600	1.50E-01	705	1.93E-02
395	1.21E-03	500	4.60E-02	605	1.49E-01	710	1.64E-02
400	1.19E-03	505	5.41E-02	610	1.47E-01	715	1.41E-02
405	1.32E-03	510	6.14E-02	615	1.44E-01	720	1.21E-02
410	1.77E-03	515	6.71E-02	620	1.39E-01	725	1.03E-02
415	2.74E-03	520	7.16E-02	625	1.31E-01	730	8.79E-03
420	4.74E-03	525	7.60E-02	630	1.24E-01	735	7.53E-03
425	8.20E-03	530	7.86E-02	635	1.15E-01	740	6.41E-03
430	1.39E-02	535	8.16E-02	640	1.05E-01	745	5.51E-03
435	2.29E-02	540	8.43E-02	645	9.55E-02	750	4.66E-03
440	3.77E-02	545	8.84E-02	650	8.65E-02	755	4.02E-03
445	6.29E-02	550	9.26E-02	655	7.73E-02	760	3.64E-03
450	9.02E-02	555	9.69E-02	660	6.85E-02	765	2.97E-03
455	7.69E-02	560	1.03E-01	665	6.05E-02	770	2.60E-03
460	5.24E-02	565	1.09E-01	670	5.30E-02	775	2.25E-03
465	4.28E-02	570	1.16E-01	675	4.65E-02	780	1.96E-03
470	3.35E-02	575	1.23E-01	680	4.05E-02		
475	2.54E-02	580	1.30E-01	685	3.52E-02		
480	2.39E-02	585	1.37E-01	690	3.03E-02		

4.0 LM-79 Measurement and Test Results

4.2 Goniophotometer Test

Model No.	SLIM17FA50ADJ @ 50W/3000K	Sample ID.	DLF2510109-A1
Operate time (Min.)	90	Stabilization time (Min.)	45
Temperature (°C)	25.3	Humidity (%RH)	54.0

Test Method

The samples were tested according to the IES LM-79-2019.

Photometric parameters were measured using a type C goniophotometer and software.

The ambient temperature shall be maintained at 25° C ± 1.2° C and 10% - 65% RH, measured at a point not more than 1 m from the sample and at the same height as the sample.

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.

Airflow for the instantaneous tangential velocity of any point on the DUT shall be less than an upper tolerance limit of 0.20 m/s.

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 0.5° vertical intervals and 10° horizontal intervals.

Test Conditions

Condition	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
WORST CASE	276.92	60	0.185	48.4	0.946
NON-WORST CASE	120.00	60	0.404	48.2	0.993

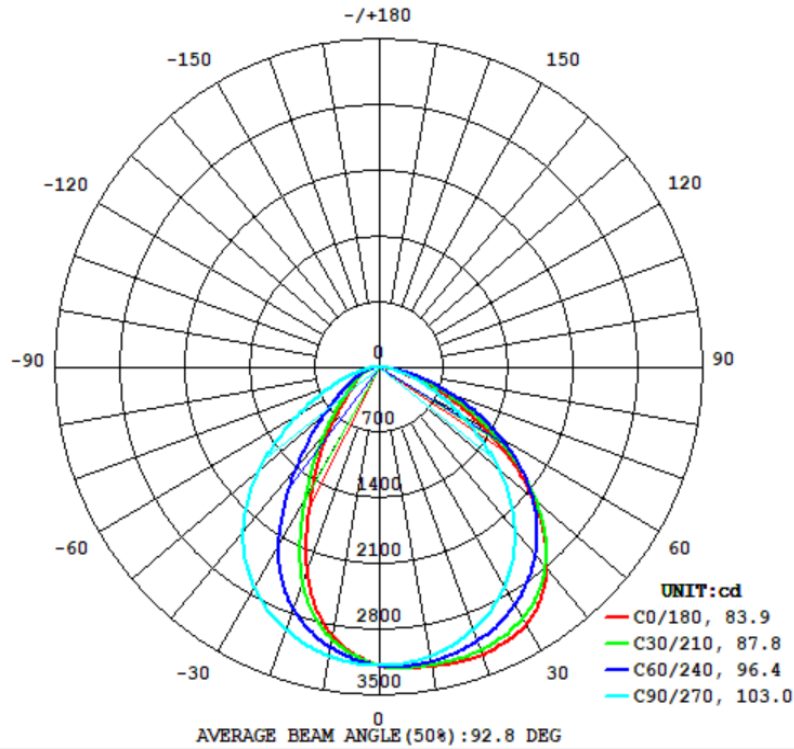
Test Result

Flux (lm)	Field Angle(10%)		Beam Angle(50%)		Luminous Efficacy (lm/W)
	C0-180	C90-270	C0-180	C90-270	
7182	130.7	148.7	83.9	103.0	148.4

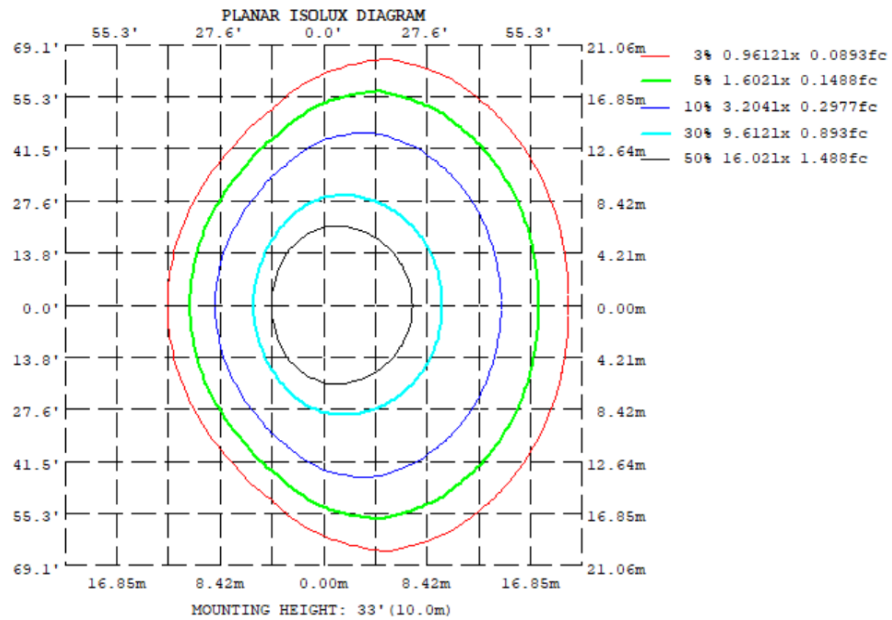
Zonal Lumen Requirement (0°-90°)	Zonal Lumen Requirement (80°-90°)	BUG rating
100.00%	0.66%	B3-U0-G1

4.2 Goniophotometer Test

Light Distrubtion Curve



Isolux Plot



4.2 Goniophotometer Test

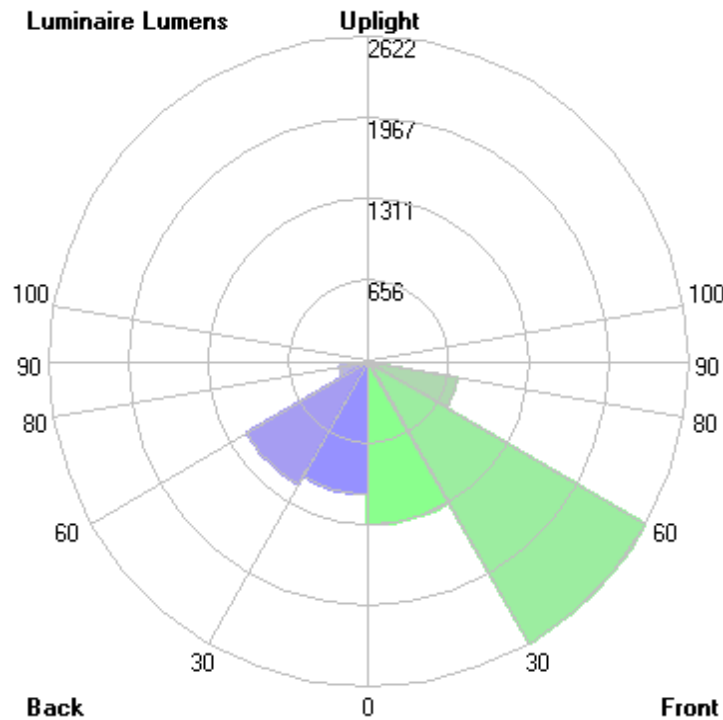
Zonal Lumen Summary

γ	C0	C45	C90	C135	C180	C225	C270	C315
10	3241	3207	3133	2992	2916	2992	3133	3207
20	3261	3160	2977	2586	2294	2586	2977	3160
30	3173	3017	2708	1845	1430	1845	2708	3017
40	2826	2729	2293	1104	826.0	1104	2293	2729
50	2170	2225	1694	604.4	444.6	604.4	1694	2225
60	1331	1510	1023	334.8	288.3	334.8	1023	1510
70	595.3	787.0	486.8	185.8	181.4	185.8	486.8	787.0
80	102.9	190.3	151.0	69.36	74.85	69.36	151.0	190.3
90	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0
110	0	0	0	0	0	0	0	0
120	0	0	0	0	0	0	0	0
130	0	0	0	0	0	0	0	0
140	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0
DEG	LUMINOUS INTENSITY:cd							

	Zonal (lm)		Total (lm)	Percent
0-10	299.81	0 - 10	299.81	4.17%
10-20	847.87	0 - 20	1147.68	15.98%
20-30	1235.89	0 - 30	2383.57	33.19%
30-40	1395.29	0 - 40	3778.86	52.62%
40-50	1322.01	0 - 50	5100.87	71.03%
50-60	1053.63	0 - 60	6154.50	85.70%
60-70	678.21	0 - 70	6832.71	95.14%
70-80	301.75	0 - 80	7134.46	99.34%
80-90	47.30	0 - 90	7181.76	100.00%
90-100	0.00	0 - 100	7181.76	100.00%
100-110	0.00	0 - 110	7181.76	100.00%
110-120	0.00	0 - 120	7181.76	100.00%
120-130	0.00	0 - 130	7181.76	100.00%
130-140	0.00	0 - 140	7181.76	100.00%
140-150	0.00	0 - 150	7181.76	100.00%
150-160	0.00	0 - 160	7181.76	100.00%
160-170	0.00	0 - 170	7181.76	100.00%
170-180	0.00	0 - 180	7181.76	100.00%

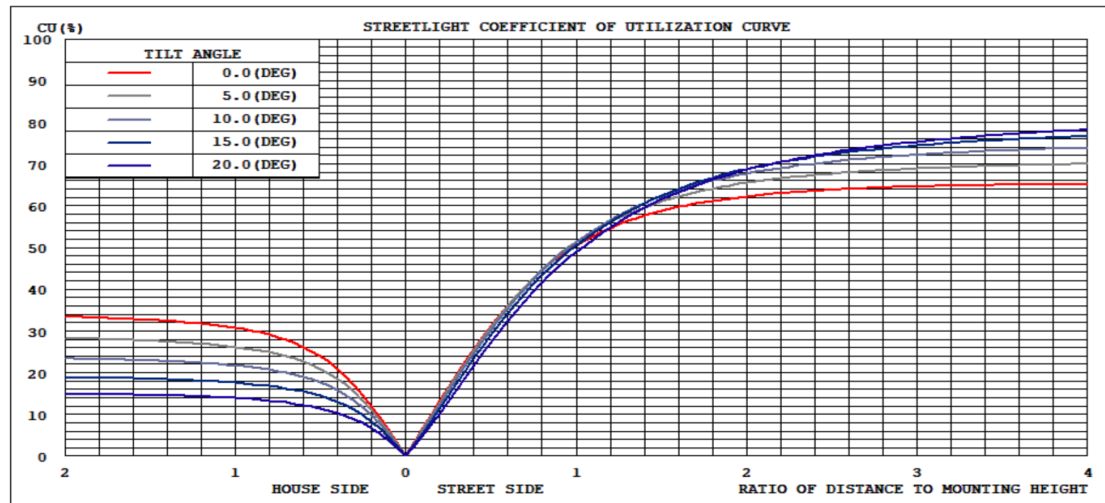
4.2 Goniophotometer Test

LCS/BUG

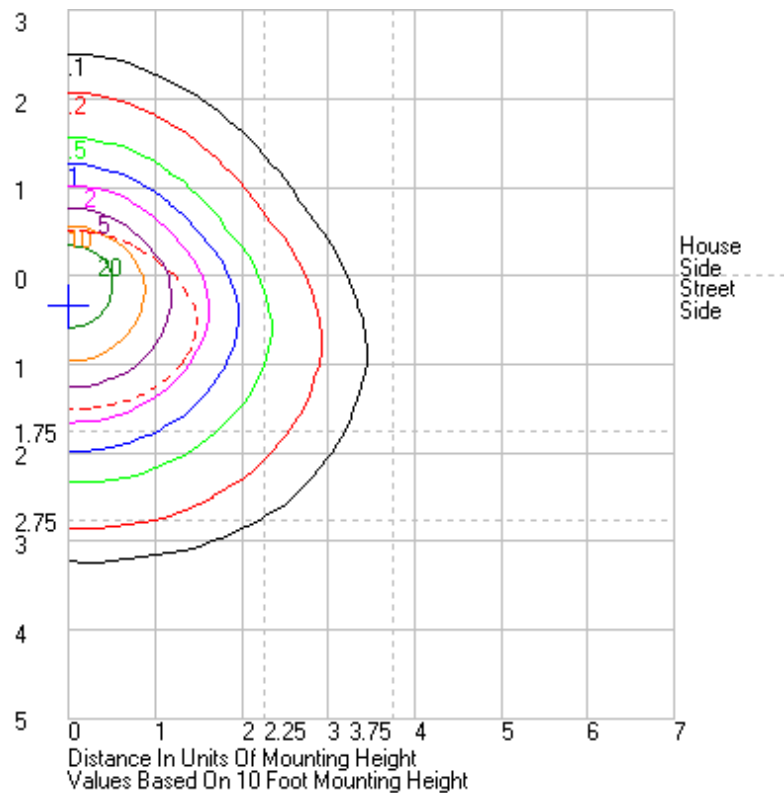


	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1315.2	N.A.	18.3
FM - Front-Medium (30-60)	2622.3	N.A.	36.5
FH - Front-High (60-80)	741.6	N.A.	10.3
FVH - Front-Very High (80-90)	30.2	N.A.	0.4
BL - Back-Low (0-30)	1068.4	N.A.	14.9
BM - Back-Medium (30-60)	1148.6	N.A.	16.0
BH - Back-High (60-80)	238.3	N.A.	3.3
BVH - Back-Very High (80-90)	17.1	N.A.	0.2
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	7181.7	N.A.	100.0
BUG Rating	B3-U0-G1		

Coefficients of Utilization



Isolines



4.2 Goniophotometer Test

	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	360
0	3183.4	3183.4	3183.4	3183.4	3183.4	3183.4	3183.4	3183.4	3183.4	3183.4	3183.4	3183.4	3183.4	3183.4	3183.4	3183.4	3183.4	3183.4	3183.4	3183.4	3183.4	3183.4	3183.4	3183.4	
1	3200.1	3196.4	3195.9	3193.6	3190.5	3186.9	3183.4	3178.7	3175.4	3171	3169.1	3166.8	3169.5	3166.8	3169.1	3171	3175.4	3178.7	3183.4	3186.9	3190.5	3193.6	3195.9	3196.4	3200.1
2	3210	3206.7	3204.7	3200.5	3195.9	3189.6	3181.8	3173.3	3165.7	3157.7	3152.5	3148.7	3148.8	3148.7	3152.5	3157.7	3165.7	3173.3	3181.8	3189.6	3195.9	3200.5	3204.7	3206.7	3210
3	3217.3	3214	3211.5	3206.1	3199.4	3190.2	3178.1	3166.6	3155	3143.1	3133.7	3126.8	3128.1	3126.8	3133.7	3143.1	3155	3166.6	3178.1	3190.2	3199.4	3206.1	3211.5	3214	3217.3
4	3222.5	3219.2	3216.5	3210.3	3201.7	3190.3	3175.5	3158.9	3141.7	3126.4	3113	3103.9	3104	3103.9	3113	3126.4	3141.7	3158.9	3175.5	3190.3	3201.7	3210.3	3216.5	3219.2	3222.5
5	3226.5	3222.9	3218.8	3212.1	3202.3	3188.6	3170.6	3149.3	3128.9	3107.3	3090.4	3079.5	3079.3	3079.5	3090.4	3107.3	3128.9	3149.3	3170.6	3188.6	3202.3	3212.1	3218.8	3222.9	3226.5
6	3229.2	3224.2	3220.2	3212.5	3202.2	3186.6	3165.5	3140	3113	3087	3066.6	3053.4	3051.2	3053.4	3066.6	3087	3113	3140	3165.5	3186.6	3202.2	3212.5	3220.2	3224.2	3229.2
7	3231.9	3226.4	3221.3	3212.2	3200.9	3183	3158.5	3128.3	3096.7	3066.4	3042	3024.8	3021.1	3024.8	3042	3066.4	3096.7	3128.3	3158.5	3183	3200.9	3212.2	3221.3	3226.4	3231.9
8	3233.9	3229	3221.4	3210.8	3197.8	3178.7	3151.2	3116.4	3078.3	3043.1	3014.3	2994.3	2988.9	2994.3	3014.3	3043.1	3078.3	3116.4	3151.2	3178.7	3197.8	3210.8	3221.4	3229	3233.9
9	3237.3	3231.8	3222.6	3209.1	3193.4	3173	3142.2	3103.4	3060.2	3018.3	2983.9	2960.4	2953.6	2960.4	2983.9	3018.3	3060.2	3103.4	3142.2	3173	3193.4	3209.1	3222.6	3231.8	3237.3
10	3240.8	3233.5	3222.8	3206.7	3189.1	3165.8	3132.9	3088.4	3040	2991.7	2951.3	2923.8	2916.2	2923.8	2951.3	2991.7	3040	3088.4	3132.9	3165.8	3189.1	3206.7	3222.8	3233.5	3240.8
11	3244.4	3236.9	3223.1	3204.2	3184.2	3159.1	3122.6	3073.5	3019	2963.6	2916.7	2884	2873.8	2884	2916.7	2963.6	3019	3073.5	3122.6	3159.1	3184.2	3204.2	3223.1	3236.9	3244.4
12	3249.1	3240.5	3224.5	3202	3178	3150.6	3110.7	3056.2	2995.1	2932.5	2879	2839.8	2829.4	2839.8	2879	2932.5	2995.1	3056.2	3110.7	3150.6	3178	3202	3224.5	3240.5	3249.1
13	3251.6	3242.7	3224.1	3198.8	3171.1	3140.3	3097.3	3038	2969.5	2899.8	2837.2	2791.8	2777.1	2791.8	2837.2	2899.8	2969.5	3038	3097.3	3140.3	3171.1	3198.8	3224.1	3242.7	3251.6
14	3256	3246.4	3223.7	3194.4	3163	3130.2	3083.3	3018.8	2942.6	2863.5	2792.1	2739.8	2722	2739.8	2792.1	2863.5	2942.6	3018.8	3083.3	3130.2	3163	3194.4	3223.7	3246.4	3256
15	3259.8	3247.8	3223.6	3191.3	3155.6	3118.1	3067.9	2997.7	2914.3	2826.3	2744	2684.3	2664.5	2684.3	2744	2826.3	2914.3	2997.7	3067.9	3118.1	3155.6	3191.3	3223.6	3247.8	3259.8
16	3261.5	3248.9	3223	3186.3	3147	3105.6	3051.7	2975.6	2883.6	2784.2	2690.7	2622.8	2600.3	2622.8	2690.7	2784.2	2883.6	2975.6	3051.7	3105.6	3147	3186.3	3223	3248.9	3261.5
17	3263.5	3248.9	3220.9	3181.8	3136.7	3092.8	3034.6	2952.2	2850.9	2740.4	2634.9	2557.8	2530.5	2557.8	2634.9	2740.4	2850.9	2952.2	3034.6	3092.8	3136.7	3181.8	3220.9	3248.9	3263.5
18	3263.8	3249.1	3218.4	3175.7	3126.9	3079	3016.3	2927.4	2815.9	2692.3	2573.1	2487	2456.6	2487	2573.1	2692.3	2815.9	2927.4	3016.3	3079	3126.9	3175.7	3218.4	3249.1	3263.8
19	3263	3247.2	3214.9	3168.5	3116.4	3064.4	2997.5	2901.6	2778.4	2641.3	2507.7	2412	2377.2	2412	2507.7	2641.3	2778.4	2901.6	2997.5	3064.4	3116.4	3168.5	3214.9	3247.2	3263
20	3261.1	3245.9	3211	3160.3	3103.4	3048	2977.4	2874.3	2740.5	2585.9	2437.4	2331.7	2294.4	2331.7	2437.4	2585.9	2740.5	2874.3	2977.4	3048	3103.4	3160.3	3211	3245.9	3261.1
21	3257	3240.8	3204.4	3151.7	3090.7	3031.6	2955.9	2845	2697.7	2526.8	2361.5	2249.2	2210.2	2249.2	2361.5	2526.8	2697.7	2845	2955.9	3031.6	3090.7	3151.7	3204.4	3240.8	3257
22	3251	3236.2	3197.6	3141.2	3077.3	3014	2933.4	2814.6	2653.8	2463.7	2284	2163.2	2120.5	2163.2	2284	2463.7	2653.8	2814.6	2933.4	3014	3077.3	3141.2	3197.6	3236.2	3251
23	3243.5	3228.1	3188.5	3130.7	3063.1	2996	2909.7	2782.1	2605.6	2396.9	2201.9	2074.1	2029.7	2074.1	2201.9	2396.9	2605.6	2782.1	2909.7	2996	3063.1	3130.7	3188.5	3228.1	3243.5
24	3235.8	3219.4	3178.9	3117.6	3047.2	2976.5	2885.8	2747.6	2555.2	2326	2118	1984.8	1939.2	1984.8	2118	2326	2555.2	2747.6	2885.8	2976.5	3047.2	3117.6	3178.9	3219.4	3235.8
25	3228.2	3210.7	3167.7	3104.2	3029.9	2956.3	2859.2	2711.3	2501.1	2251.2	2031.3	1894.8	1849	1894.8	2031.3	2251.2	2501.1	2711.3	2859.2	2956.3	3029.9	3104.2	3167.7	3210.7	3228.2
26	3220.6	3201.3	3155	3089.5	3012.6	2934.5	2832.4	2673.4	2444.9	2174.1	1945	1806.2	1758.7	1806.2	1945	2174.1	2444.9	2673.4	2832.4	2934.5	3012.6	3089.5	3155	3201.3	3220.6
27	3211.9	3190.5	3142	3073	2993.6	2911.4	2802.5	2633.7	2382.9	2093.8	1857.1	1717.6	1671.2	1717.6	1857.1	2093.8	2382.9	2633.7	2802.5	2911.4	2993.6	3073	3142	3190.5	3211.9
28	3200.9	3179	3127.5	3055.3	2974.1	2887.2	2773.2	2590.8	2319.2	2011.9	1771.5	1632.2	1584.6	1632.2	1771.5	2011.9	2319.2	2590.8	2773.2	2887.2	2974.1	3055.3	3127.5	3179	3200.9
29	3187.7	3165.4	3111.8	3036.8	2952.2	2862.7	2741.6	2545.4	2252.6	1929.5	1686.1	1548	1503.2	1548	1686.1	1929.5	2252.6	2545.4	2741.6	2862.7	2952.2	3036.8	3111.8	3165.4	3187.7
30	3173	3149.5	3094.6	3017.2	2929.4	2836.4	2708.1	2499.2	2181.3	1845	1603.3	1469.2	1430.1	1469.2	1603.3	1845	2181.3	2499.2	2708.1	2836.4	2929.4	3017.2	3094.6	3149.5	3173
31	3152.6	3130.9	3075.7	2995.9	2905.7	2809.1	2674.5	2447.7	2109.1	1762.3	1523.1	1395.6	1363	1395.6	1523.1	1762.3	2109.1	2447.7	2674.5	2809.1	2905.7	2995.9	3075.7	3130.9	3152.6
32	3130.9	3109.2	3053.6	2973.5	2879.9	2780.8	2638.2	2396.3	2032.7	1679.6	1446.5	1327.1	1295.8	1327.1	1446.5	1679.6	2032.7	2396.3	2638.2	2780.8	2879.9	2973.5	3053.6	3109.2	3130.9
33	3103.6	3084.7	3031.3	2949.1	2852.8	2750.7	2601.3	2340.3	1955.1	1597.4	1372.8	1259.4	1228.8	1259.4	1372.8	1597.4	1955.1	2340.3	2601.3	2750.7	2852.8	2949.1	3031.3	3084.7	3103.6
34	3072.2	3055.6	3004.6	2924.1	2825.8	2719.2	2562.6	2282.8	1876.9	1520.1	1305.4	1194.7	1164.8	1194.7	1305.4	1520.1	1876.9	2282.8	2562.6	2719.2	2825.8	2924.1	3004.6	3055.6	3072.2
35	3037.7	3024.1	2977	2896.6	2796.4	2688	2522.2	2222.3	1798	1442.7	1238.9	1131.3	1102.8	1131.3	1238.9	1442.7	1798	2222.3	2522.2	2688	2796.4	2896.6	2977	3024.1	3037.7
36	3000.5	2988.7	2944.9	2867.5	2765.9	2654.1	2480.5	2158.6	1717.5	1369.2	1173.3	1070.6	1044	1070.6	1173.3	1369.2	1717.5	2158.6	2480.5	2654.1	2765.9	2867.5	2944.9	2988.7	3000.5
37	2961	2951.9	2912	2835.1	2733.7	2619.9	2436.7	2093.2	1638.7	1301	1110.6	1012.5	985.75	1012.5	1110.6	1301	1638.7	2093.2	2436.7	2619.9	2733.7	2835.1	2912	2951.9	2961
38	2920.4	2911.2	2875.9	2802.1	2700.2	2584.4	2390.1	2025	1559.8	1234.4	1050.2	956.27	932.22	956.27	1050.2	1234.4	1559.8	2025	2390.1	2584.4	2700.2	2802.1	2875.9	2911.2	2920.4
39	2876.5	2869.1	2837.6	2766.6	2666.8	2546.7	2342.8	1953.9	1482	1166.8	992.56	901.76	878.18	901.76	992.56	1166.8	1482	1953.9	2342.8	2546.7	2666.8	2766.6	2837.6	2869.1	2876.5
40	2825.9	2820.4	2796.6	2729.2	2629.2	2507.9	2293.1	1882.2	1405.6	1103.9	936.69	849.74	825.99	849.74	936.69	1103.9	1405.6	1882.2	2293.1	2507.9	2629.2	2729.2	2796.6	2820.4	2825.9
41	2770.7	2770.7	2752.3	2689.6	2591.6	2468.3	2240.6	1807.7	1332.8	1042.6	882.77	798.6	774.09	798.6	882.77	1042.6	1332.8	1807.7	2240.6	2468.3	2591.6	2689.6	2752.3	2770.7	2770.7
42	2714.3	2715.7	2704.9	2647.6	2552.2	2427	2187.4	1732.8	1264.6																

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158	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
177	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
179	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

4.0 LM-79 Measurement and Test Results

4.3 THD and PF Test

Model No.	SLIM17FA50ADJ @ 50W/3000K	Sample ID.	DLF2510109-A1
Temperature (°C)	25.1	Humidity (%RH)	57.0

Test Method

The samples were tested according to the ANSI C82.77-10:2014.

The ambient temperature shall be maintained at 25° C ± 1.0° C and 10% - 65% RH. 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 were calculated.

Test Results

Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor	THD
119.99	60	0.404	48.1	0.993	6.15%
276.99	60	0.184	48.3	0.946	9.81%

5.0 Equipment Information

Test Equipment			
Equipment ID	Equipment Name	Last Calibration Date	Calibration Due Date
DLF107	Integrating Sphere System	2024/12/23	2025/12/22
DLF108	Auxiliary Lamp	2024/12/23	2025/12/22
DLF122	Measurement Standard Lamp Standard Lamp Type: Tungsten, Omni-directional	2024/12/23	2025/12/22
DLF116	AC Power Source	2024/12/13	2025/12/12
DLF516	Power Meter	2024/12/13	2025/12/12
DLF112	Temperature Recorder	2024/12/19	2025/12/18
DLF114	Temperature & Humidity Datalogger	2024/12/19	2025/12/18
DLF521	Measurement Standard Lamp Standard Lamp Type: Tungsten, Omni-directional	2024/12/23	2025/12/22
DLF101	Goniophotometer	2024/12/23	2025/12/22
DLF511	AC Power Source	2024/12/13	2025/12/12
DLF512	AC Power Source	2024/12/13	2025/12/12
DLF513	AC Power Source	2024/12/13	2025/12/12
DLF507	DC Power Source	2024/12/13	2025/12/12
DLF111	Temperature & Humidity Datalogger	2024/12/19	2025/12/18
DLF119	Power Meter	2024/12/13	2025/12/12
DLF530	Hot-wire anemometer	2025/1/23	2026/1/22
DLF129	Clock	2025/9/4	2026/9/3

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