

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

DLF2510109-2a

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		7477
Minimum Luminaire Efficacy (lm/W) (Goniophotometer - Section 4.2)	IES LM-79-2019	Standard 105	Premium 120	159.8
Power (Input Wattage) (W) (Goniophotometer - Section 4.2)	IES LM-79-2019	Worst Case		46.8
Total Harmonic Distortion (A%) (THD & PF - section 4.3)	ANSI C82.77-10: 2014	20.00%	120V	6.23%
		20.00%	277V	10.14%
Power Factor (THD & PF - section 4.3)	ANSI C82.77-10: 2014	0.9	120V	0.993
		0.9	277V	0.942
Allowable CCTs* (K) (Integrating Sphere - Section 4.1)	IES LM-79-2019	7 step	3985±275	3909
		4 step	3985±154	
Minimum CRI (Integrating Sphere - Section 4.1)	IES LM-79-2019 CIE 13.3-1995	≥70		85
Minimum R9 (Integrating Sphere - Section 4.1)	IES LM-79-2019 CIE 13.3-1995	-		18
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%		0.71%
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		0.179
(Goniophotometer - Section 4.2)		Non-Worst Case		0.391
Power (Input Wattage - W)				
(Goniophotometer - Section 4.2)	IES LM-79-2019	Worst Case		46.8
(Goniophotometer - Section 4.2)		Non-Worst Case		46.6

2.0 Test List

Test Item	Test	Test Date	Model Number	Build Level	Sample No.
1	Integrating Sphere Test	2025/10/20	SLIM17FA50ADJ @ 50W/4000K	N/A	DLF2510109-B1
2	Goniophotometer Test	2025/10/20	SLIM17FA50ADJ @ 50W/4000K	N/A	DLF2510109-B1
3	THD and PF Test	2025/10/20	SLIM17FA50ADJ @ 50W/4000K	N/A	DLF2510109-B1

Remark(If any)

1. This report shall not be used by the client to claim product endorsement by NVLAP, NIST or any agency of the US government.
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.

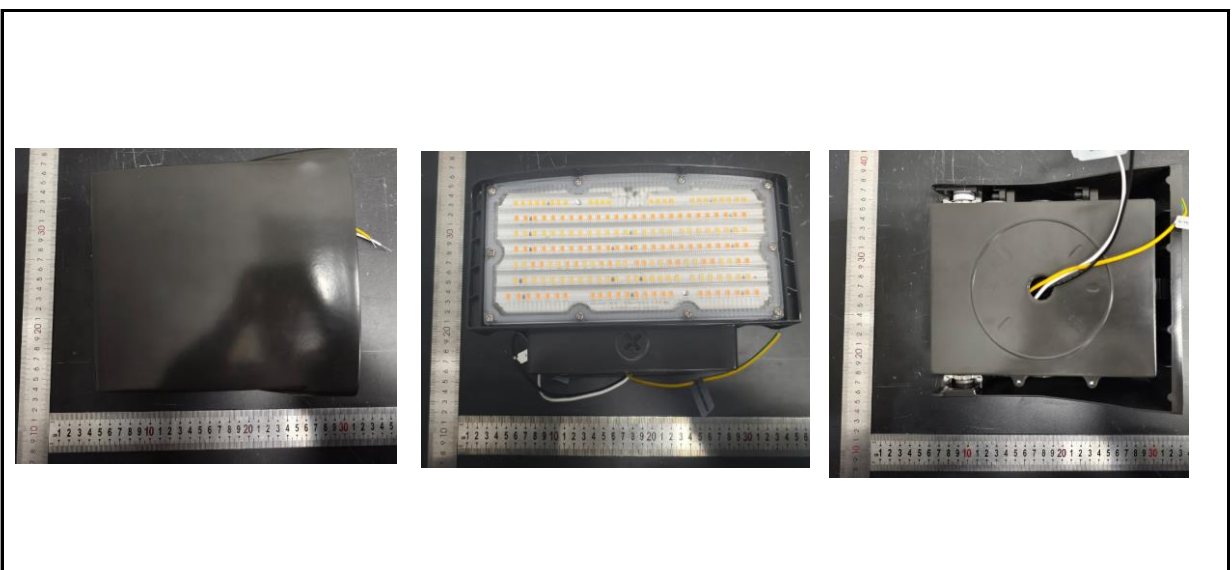
3.0 Production Description

Luminaire Description: SLIM17FA50ADJ @ 50W/4000K

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/4000K	Sample ID.	DLF2510109-B1
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	0.389	46.4	0.993
276.99	60	0.179	46.6	0.942

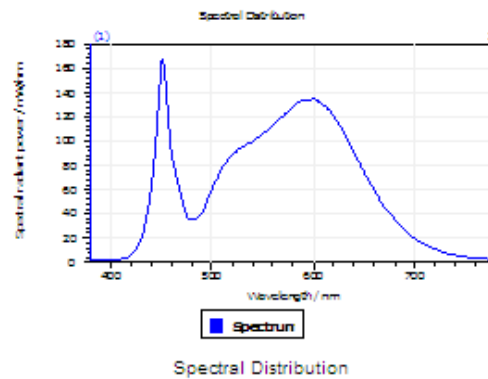
Test Result

CCT (K)	CRI	R9	Duv
3909	85	18	-0.0021

Rf	Rg	IES Rcs,h1
84	97	-11%

4.1 Integrating Sphere Test

Results

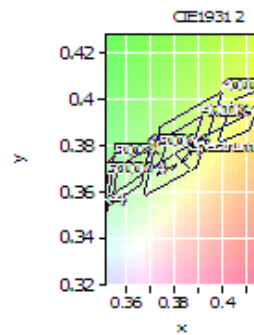


Spectral values

DominantWavelength 580.59 nm
Purity 0.271
PeakWavelength 451.40 nm
Radiant Power 23.88 W
Width50%:

Color Coordinates

Correlated Color Temperat 3909 K
x: 0.3830 u: 0.2279 u': 0.2279
y: 0.3738 v: 0.3338 v': 0.5007
CRI01 83.5 CRI09 18.1
CRI02 90.2 CRI10 76.2
CRI03 94.3 CRI11 83.1
CRI04 83.8 CRI12 63.3
CRI05 83.6 CRI13 85.2
CRI06 86.3 CRI14 96.9
CRI07 86.5 CRI15 78.2
CRI08 67.6 CRI16 76.2
ResultsCRI 84.5



PlanckDistance 2.1E-003

4.1 Integrating Sphere Test - TM-30

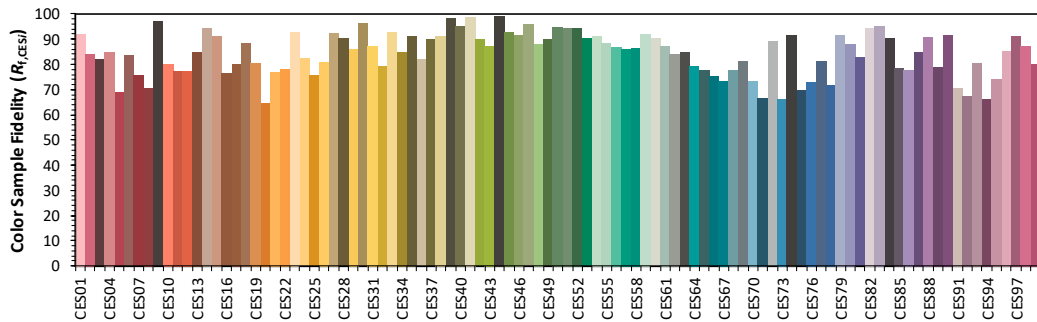
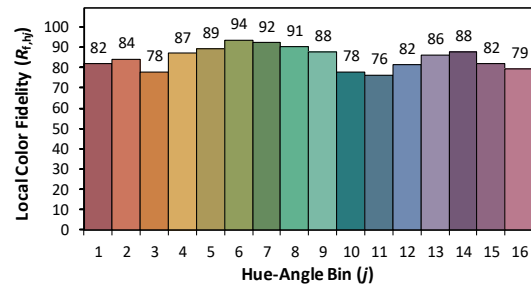
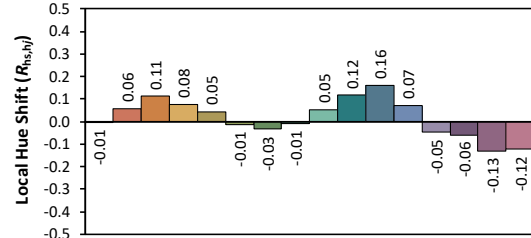
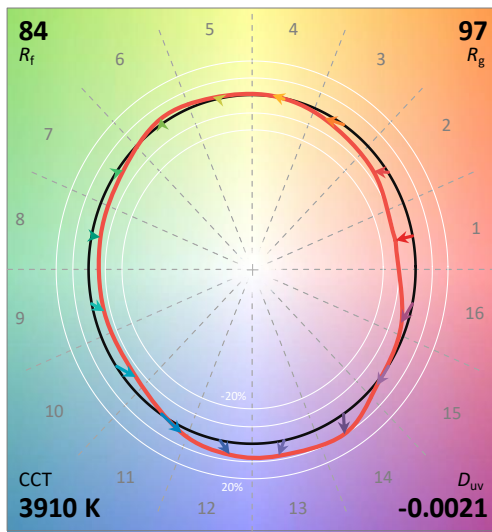
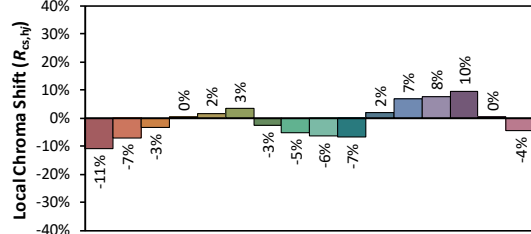
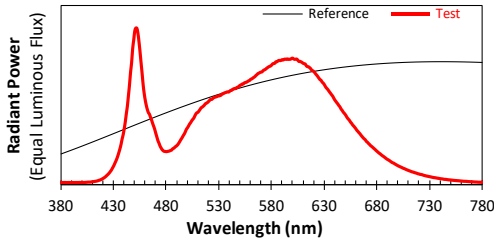
IES TM-30-18 Color Rendition Report

Source: DLF2510109-2a

Manufacturer: RAB Lighting Inc.

Date: 2025/10/20

Model: SLIM17FA50ADJ @ 50W/4000K



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

x 0.3829
 y 0.3738
 u' 0.2279
 v' 0.5007

CIE 13.3-1995
(CRI)

R_a 85
 R_g 23

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	1.59E-03	485	3.64E-02	590	1.34E-01	695	2.28E-02
385	1.48E-03	490	4.12E-02	595	1.35E-01	700	1.96E-02
390	1.48E-03	495	4.98E-02	600	1.35E-01	705	1.69E-02
395	1.55E-03	500	6.03E-02	605	1.33E-01	710	1.45E-02
400	1.62E-03	505	6.93E-02	610	1.30E-01	715	1.25E-02
405	1.85E-03	510	7.71E-02	615	1.26E-01	720	1.07E-02
410	2.31E-03	515	8.36E-02	620	1.21E-01	725	9.12E-03
415	3.44E-03	520	8.86E-02	625	1.14E-01	730	7.84E-03
420	5.98E-03	525	9.28E-02	630	1.07E-01	735	6.70E-03
425	1.08E-02	530	9.47E-02	635	9.90E-02	740	5.69E-03
430	1.94E-02	535	9.78E-02	640	9.04E-02	745	4.91E-03
435	3.42E-02	540	9.96E-02	645	8.28E-02	750	4.23E-03
440	5.95E-02	545	1.03E-01	650	7.46E-02	755	3.63E-03
445	1.06E-01	550	1.06E-01	655	6.65E-02	760	3.11E-03
450	1.65E-01	555	1.09E-01	660	5.94E-02	765	2.71E-03
455	1.42E-01	560	1.12E-01	665	5.23E-02	770	2.34E-03
460	8.99E-02	565	1.17E-01	670	4.58E-02	775	1.97E-03
465	7.16E-02	570	1.20E-01	675	4.04E-02	780	1.76E-03
470	5.44E-02	575	1.24E-01	680	3.52E-02		
475	3.87E-02	580	1.28E-01	685	3.06E-02		
480	3.47E-02	585	1.31E-01	690	2.64E-02		

4.0 LM-79 Measurement and Test Results

4.2 Goniophotometer Test

Model No.	SLIM17FA50ADJ @ 50W/4000K	Sample ID.	DLF2510109-B1
Opreate 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 paramters 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	277.01	60	0.179	46.8	0.942
NON-WORST CASE	119.99	60	0.391	46.6	0.993

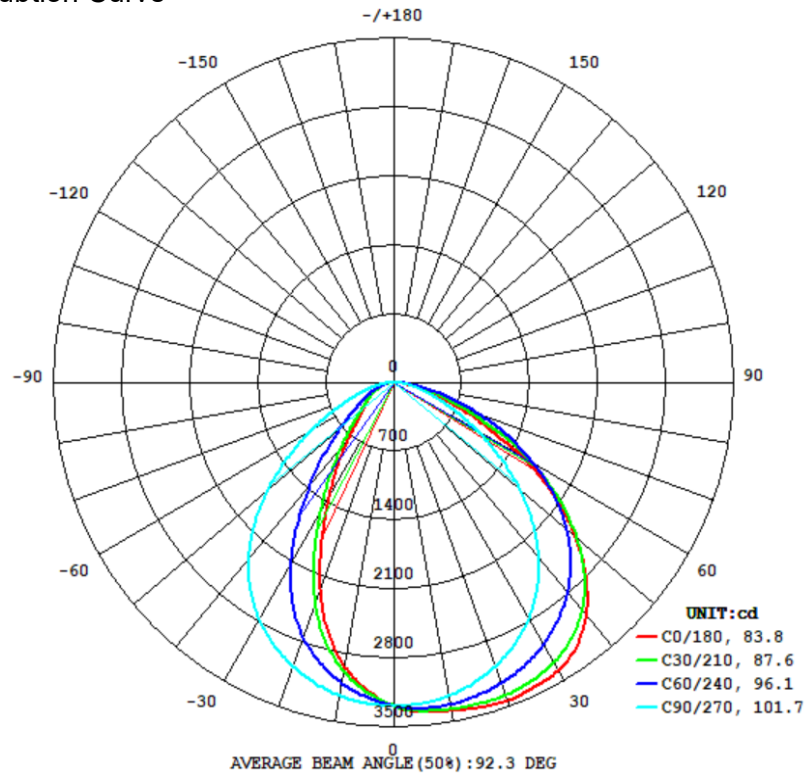
Test Result

Flux (lm)	Field Angle(10%)		Beam Angle(50%)		Luminous Efficacy (lm/W)
	C0-180	C90-270	C0-180	C90-270	
7477	130.3	148.0	83.8	101.7	159.8

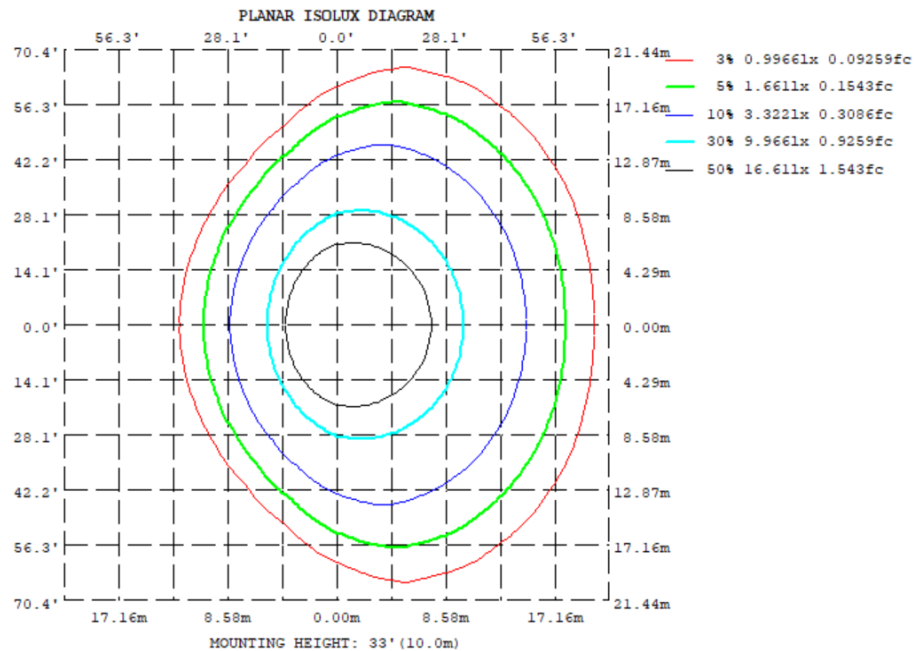
Zonal Lumen Requirement (0°-90°)	Zonal Lumen Requirement (80°-90°)	BUG rating
100.00%	0.71%	B3-U0-G1

4.2 Goniophotometer Test

Light Distrubtion Curve



Isolux Plot



4.2 Goniophotometer Test

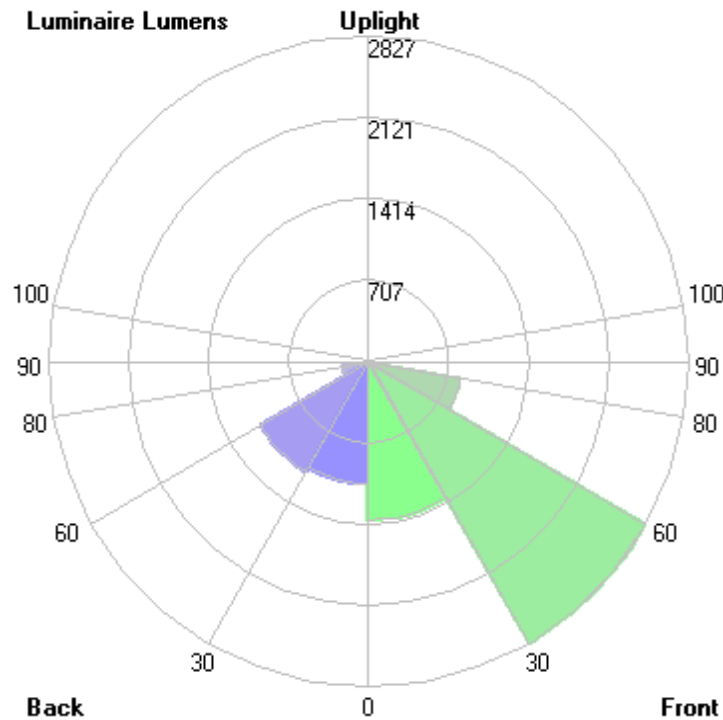
Zonal Lumen Summary

γ	C0	C45	C90	C135	C180	C225	C270	C315
10	3387	3346	3230	3038	2935	3038	3230	3346
20	3434	3314	3065	2553	2223	2553	3065	3314
30	3379	3190	2778	1771	1350	1771	2778	3190
40	3088	2917	2331	1033	731.7	1033	2331	2917
50	2450	2430	1703	556.6	417.1	556.6	1703	2430
60	1554	1699	1015	319.2	284.9	319.2	1015	1699
70	665.0	889.2	481.5	178.5	179.3	178.5	481.5	889.2
80	150.5	240.6	149.8	62.36	66.81	62.36	149.8	240.6
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	309.11	0 - 10	309.11	4.13%
10-20	869.59	0 - 20	1178.70	15.76%
20-30	1263.22	0 - 30	2441.92	32.66%
30-40	1430.59	0 - 40	3872.51	51.79%
40-50	1374.03	0 - 50	5246.54	70.17%
50-60	1123.47	0 - 60	6370.01	85.19%
60-70	727.60	0 - 70	7097.61	94.92%
70-80	326.67	0 - 80	7424.28	99.29%
80-90	53.05	0 - 90	7477.33	100.00%
90-100	0.00	0 - 100	7477.33	100.00%
100-110	0.00	0 - 110	7477.33	100.00%
110-120	0.00	0 - 120	7477.33	100.00%
120-130	0.00	0 - 130	7477.33	100.00%
130-140	0.00	0 - 140	7477.33	100.00%
140-150	0.00	0 - 150	7477.33	100.00%
150-160	0.00	0 - 160	7477.33	100.00%
160-170	0.00	0 - 170	7477.33	100.00%
170-180	0.00	0 - 180	7477.33	100.00%

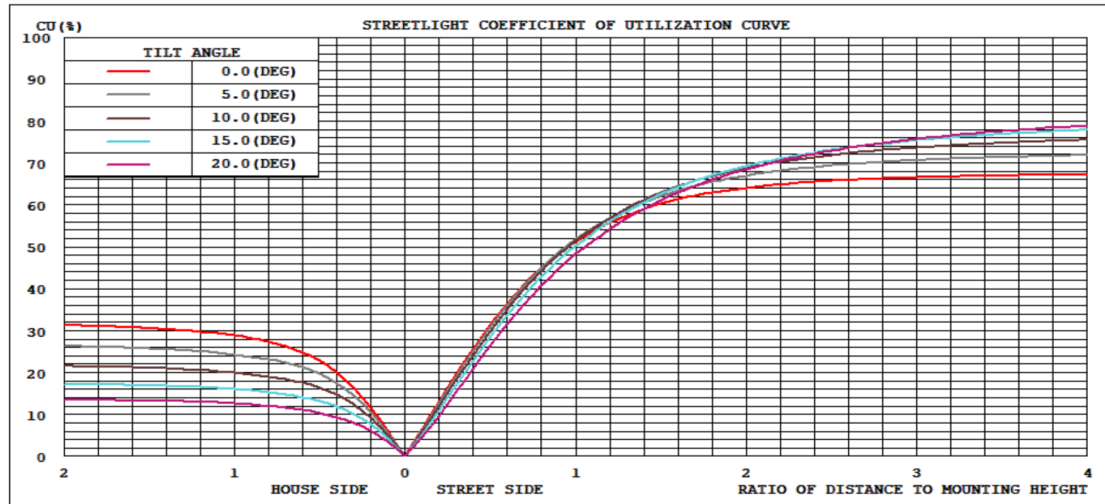
4.2 Goniophotometer Test

LCS/BUG

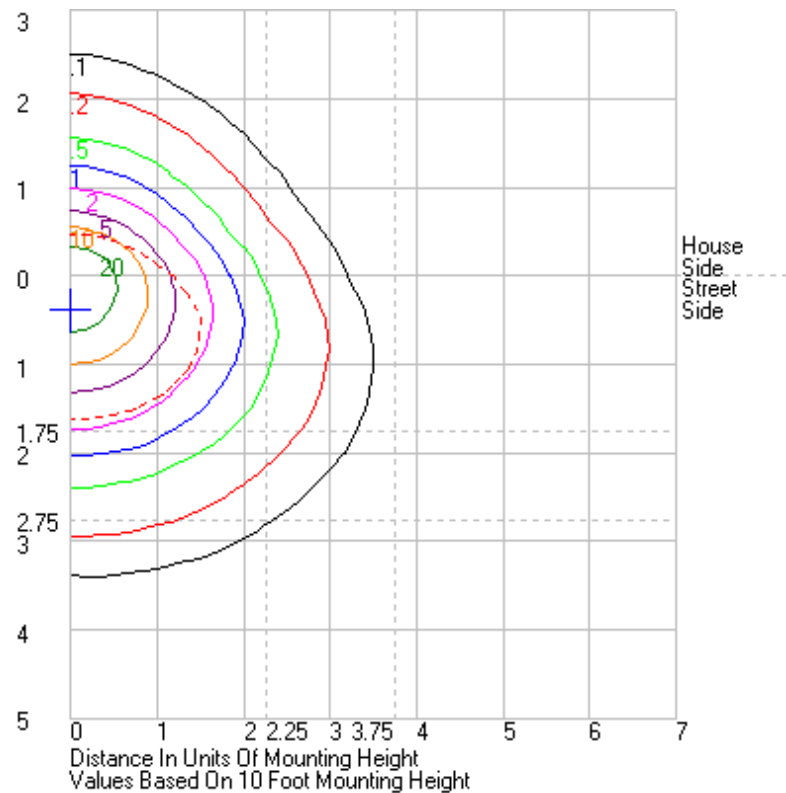


	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1376.9	N.A.	18.4
FM - Front-Medium (30-60)	2827.4	N.A.	37.8
FH - Front-High (60-80)	824.0	N.A.	11.0
FVH - Front-Very High (80-90)	38.2	N.A.	0.5
BL - Back-Low (0-30)	1065.0	N.A.	14.2
BM - Back-Medium (30-60)	1100.7	N.A.	14.7
BH - Back-High (60-80)	230.2	N.A.	3.1
BVH - Back-Very High (80-90)	14.9	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	7477.3	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	3285	3285	3285	3285	3285	3285	3285	3285	3285	3285	3285	3285	3285	3285	3285	3285	3285	3285	3285	3285	3285	3285	3285	3285	3285
1	3305.5	3304.4	3301.8	3300.2	3296.2	3291.3	3284.3	3279.2	3273.5	3268.8	3264.1	3261.8	3262.3	3261.8	3264.1	3268.8	3273.5	3279.2	3284.3	3291.3	3296.2	3300.2	3301.8	3304.4	3305.5
2	3324.7	3322	3319.1	3312.4	3305.4	3294.9	3283.1	3271.8	3259.9	3249	3241.3	3236.6	3234.2	3236.6	3241.3	3249	3259.9	3271.8	3283.1	3294.9	3305.4	3312.4	3319.1	3322	3324.7
3	3338.8	3335.7	3330.9	3323.4	3312.3	3298.2	3279.9	3262.7	3245	3228.3	3215.5	3207.5	3207	3207.5	3215.5	3228.3	3245	3262.7	3279.9	3298.2	3312.3	3323.4	3330.9	3335.7	3338.8
4	3351.2	3347.2	3342.1	3332.1	3318.3	3298.4	3276	3252.8	3228.4	3206.5	3189.2	3178.9	3176	3178.9	3189.2	3206.5	3228.4	3252.8	3276	3298.4	3318.3	3332.1	3342.1	3347.2	3351.2
5	3359.3	3355.2	3349	3337.7	3321.6	3299.7	3271.6	3241.1	3210.9	3183	3161.3	3146.8	3144.9	3146.8	3161.3	3183	3210.9	3241.1	3271.6	3299.7	3321.6	3337.7	3349	3355.2	3359.3
6	3365.1	3361.8	3354.4	3342.9	3323.9	3298.3	3266.1	3228.9	3191.6	3157.9	3130.4	3113.8	3108.5	3113.8	3130.4	3157.9	3191.6	3228.9	3266.1	3298.3	3323.9	3342.9	3354.4	3361.8	3365.1
7	3370.6	3366.5	3359.2	3345.6	3324.9	3295.3	3257.4	3215.2	3171.4	3130.7	3097.4	3076.1	3070	3076.1	3097.4	3130.7	3171.4	3215.2	3257.4	3295.3	3324.9	3345.6	3359.2	3366.5	3370.6
8	3375.9	3371	3362.3	3346.5	3324.6	3292.1	3249.7	3200.6	3149.4	3102	3062.4	3037.8	3027.2	3037.8	3062.4	3102	3149.4	3200.6	3249.7	3292.1	3324.6	3346.5	3362.3	3371	3375.9
9	3380.4	3375.1	3364.1	3346.5	3322.5	3287.7	3240.8	3184.7	3125.9	3070.9	3024.9	2994.4	2985.1	2994.4	3024.9	3070.9	3125.9	3184.7	3240.8	3287.7	3322.5	3346.5	3364.1	3375.1	3380.4
10	3386.9	3379.6	3366.2	3345.7	3319.2	3282.1	3229.7	3167.9	3100.6	3038	2984.4	2948.3	2935	2948.3	2984.4	3038	3100.6	3167.9	3229.7	3282.1	3319.2	3345.7	3366.2	3379.6	3386.9
11	3392.3	3384.7	3369.2	3345	3316.6	3274.9	3219	3149.7	3074.8	3003.9	2939.9	2897.9	2883.9	2897.9	2939.9	3003.9	3074.8	3149.7	3219	3274.9	3316.6	3345	3369.2	3384.7	3392.3
12	3396.7	3390.1	3371.2	3343.3	3310.9	3267	3206.1	3129.9	3047.4	2965.2	2893.5	2844.2	2826.3	2844.2	2893.5	2965.2	3047.4	3129.9	3206.1	3267	3310.9	3343.3	3371.2	3390.1	3396.7
13	3405	3396	3374	3341.6	3305.2	3257.5	3193	3109.1	3016	2925.7	2841.8	2786.5	2766.8	2786.5	2841.8	2925.7	3016	3109.1	3193	3257.5	3305.2	3341.6	3374	3396	3405
14	3410.6	3401.1	3375.1	3339.2	3299.3	3247.4	3177.6	3087.4	2984.9	2880.7	2787.4	2723.3	2700.2	2723.3	2787.4	2880.7	2984.9	3087.4	3177.6	3247.4	3299.3	3339.2	3375.1	3401.1	3410.6
15	3417	3406.2	3376	3336.3	3292.2	3235.9	3161.5	3063.1	2951	2835.8	2729.5	2657	2631	2657	2729.5	2835.8	2951	3063.1	3161.5	3235.9	3292.2	3336.3	3376	3406.2	3417
16	3421.4	3409.7	3378.6	3332.4	3284.1	3224.2	3144.3	3037.5	2914.6	2785.8	2666.9	2586.1	2555.7	2586.1	2666.9	2785.8	2914.6	3037.5	3144.3	3224.2	3284.1	3332.4	3378.6	3409.7	3421.4
17	3425.8	3413.3	3379	3330.8	3274.2	3210.9	3126.6	3010.8	2875.9	2732.2	2601.7	2510.1	2478.3	2510.1	2601.7	2732.2	2875.9	3010.8	3126.6	3210.9	3274.2	3330.8	3379	3413.3	3425.8
18	3428.7	3415.5	3377.9	3325.7	3265.2	3196.5	3106.7	2983.6	2835.9	2676.5	2530.6	2431.1	2395.8	2431.1	2530.6	2676.5	2835.9	2983.6	3106.7	3196.5	3265.2	3325.7	3377.9	3415.5	3428.7
19	3432.5	3417.6	3376.3	3320.4	3254.6	3182.9	3086.1	2953.8	2793	2615.1	2456.4	2347.9	2311.1	2347.9	2456.4	2615.1	2793	2953.8	3086.1	3182.9	3254.6	3320.4	3376.3	3417.6	3432.5
20	3434.3	3419.3	3375.2	3313.8	3244.4	3165.9	3065.2	2923.2	2747.9	2552.8	2378.9	2262.5	2222.9	2262.5	2378.9	2552.8	2747.9	2923.2	3065.2	3165.9	3244.4	3313.8	3375.2	3419.3	3434.3
21	3435.4	3419.1	3371.8	3306.7	3231.9	3149.7	3041.9	2890.2	2697.5	2485.8	2297.5	2175	2133.7	2175	2297.5	2485.8	2697.5	2890.2	3041.9	3149.7	3231.9	3306.7	3371.8	3419.1	3435.4
22	3433.6	3417.4	3368.2	3297.7	3219.5	3132.7	3017.9	2855.4	2647.8	2414.7	2214.6	2085.4	2041.2	2085.4	2214.6	2414.7	2647.8	2855.4	3017.9	3132.7	3219.5	3297.7	3368.2	3417.4	3433.6
23	3428.4	3412.8	3362.6	3288.1	3205.1	3114.2	2992.7	2818.7	2592.8	2341.4	2129	1994.4	1949.1	1994.4	2129	2341.4	2592.8	2818.7	2992.7	3114.2	3205.1	3288.1	3362.6	3412.8	3428.4
24	3422.3	3406.2	3355.8	3277.4	3190.7	3094.9	2966.9	2781.1	2536.7	2265.3	2041.9	1903.4	1858.1	1903.4	2041.9	2265.3	2536.7	2781.1	2966.9	3094.9	3190.7	3277.4	3355.8	3406.2	3422.3
25	3415.3	3399.2	3346.9	3266.6	3175.5	3073.9	2939.2	2740.3	2475.1	2184.9	1954.6	1813	1766.5	1813	1954.6	2184.9	2475.1	2740.3	2939.2	3073.9	3175.5	3266.6	3346.9	3399.2	3415.3
26	3409.5	3390.8	3337	3253.3	3158.9	3052	2909.6	2698.3	2410.5	2104.9	1866.1	1723.8	1676	1723.8	1866.1	2104.9	2410.5	2698.3	2909.6	3052	3158.9	3253.3	3337	3390.8	3409.5
27	3404.1	3383.3	3325.1	3239	3140.6	3029.5	2879.6	2653.2	2343.8	2021.5	1779.2	1635.6	1586.6	1635.6	1779.2	2021.5	2343.8	2653.2	2879.6	3029.5	3140.6	3239	3325.1	3383.3	3404.1
28	3397.6	3374.1	3313	3224	3120.3	3004.9	2847.1	2605.7	2274.7	1938.7	1691.4	1548.5	1501	1548.5	1691.4	1938.7	2274.7	2605.7	2847.1	3004.9	3120.3	3224	3313	3374.1	3397.6
29	3390	3364.6	3298.5	3207.3	3099.3	2980.7	2813.9	2555.6	2201.9	1855.2	1608.9	1465.9	1420.5	1465.9	1608.9	1855.2	2201.9	2555.6	2813.9	2980.7	3099.3	3207.3	3298.5	3364.6	3390
30	3379.1	3353.2	3284.1	3189.6	3077.5	2954.1	2778	2502.3	2125.9	1771.1	1524.7	1387.6	1349.7	1387.6	1524.7	1771.1	2125.9	2502.3	2778	2954.1	3077.5	3189.6	3284.1	3353.2	3379.1
31	3365.7	3339.4	3268.2	3169.6	3053.5	2925.9	2742	2447	2051	1687.3	1445.5	1312.8	1278.8	1312.8	1445.5	1687.3	2051	2447	2742	2925.9	3053.5	3169.6	3268.2	3339.4	3365.7
32	3349.7	3322.6	3249	3148.4	3028.7	2896.8	2702.9	2389.7	1971.1	1606.1	1369.9	1241.5	1206.3	1241.5	1369.9	1606.1	1971.1	2389.7	2702.9	2896.8	3028.7	3148.4	3249	3322.6	3349.7
33	3327.2	3302.2	3228.1	3125.4	3002.5	2866.2	2663.2	2328.5	1892.6	1525.1	1298.6	1168.6	1135.5	1168.6	1298.6	1525.1	1892.6	2328.5	2663.2	2866.2	3002.5	3125.4	3228.1	3302.2	3327.2
34	3303.6	3279.3	3207.1	3102	2975.4	2834.8	2621.6	2264.4	1811.7	1447.8	1226.3	1101.4	1069.5	1101.4	1226.3	1447.8	1811.7	2264.4	2621.6	2834.8	2975.4	3102	3207.1	3279.3	3303.6
35	3273.2	3252.8	3180.9	3075.3	2948	2802.8	2578.5	2199.7	1732.3	1373.3	1157.5	1035.5	1005.1	1035.5	1157.5	1373.3	1732.3	2199.7	2578.5	2802.8	2948	3075.3	3180.9	3252.8	3273.2
36	3244.1	3222	3154.3	3047.7	2918.5	2768.5	2532	2131.1	1651.4	1301.6	1089.4	973.6	945.56	973.6	1089.4	1301.6	1651.4	2131.1	2532	2768.5	2918.5	3047.7	3154.3	3222	3244.1
37	3206.5	3189.6	3124.2	3017.6	2886.6	2732.8	2484.7	2060.3	1572	1231.5	1026.3	913.43	887.89	913.43	1026.3	1231.5	1572	2060.3	2484.7	2732.8	2886.6	3017.6	3124.2	3189.6	3206.5
38	3172.2	3154.6	3090.8	2986.7	2854.6	2696.9	2435.7	1988.7	1493.9	1163.2	965.48	857.85	832.96	857.85	965.48	1163.2	1493.9	1988.7	2435.7	2696.9	2854.6	2986.7	3090.8	3154.6	3172.2
39	3129.8	3116.2	3056.4	2953	2820	2659.1	2384.9	1913.8	1418.7	1097	906.98	804.58	780.63	804.58	906.98	1097	1418.7	1913.8	2384.9	2659.1	2820	2953	3056.4	3116.2	3129.8
40	3087.6	3074.3	3017.8	2917.1	2784.3	2618.5	2331.3	1838.8	1345.1	1033.2	851.48	754.29	731.69	754.29	851.48	1033.2	1345.1	1838.8	2331.3	2618.5	2784.3	2917.1	3017.8	3074.3	3087.6
41	3037.1	3027.2	2977.8	2879	2747.6	2579	2276.5	1763.9	1275.7	972.9	800.36	706.94	685.06	706.94	800.36	972.9	1275.7	1763.9	2276.5	2579	2747.6	2879	2977.8	3027.2	3037.1
42	2985	2976.6	2934.3	2838.8	2708.2	2535.9	2218.2	1686.8	1206	915.18	749.75														

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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/4000K	Sample ID.	DLF2510109-B1
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	0.389	46.4	0.993	6.23%
276.99	60	0.179	46.6	0.942	10.14%

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*****