

# Photometric Test Report

## Relevant Standards

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

## Prepared For

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## Project Number

**DLF2510109**

## Report Number

**DLF2510109-3a**

## Test Date

**2025/10/20**

## Issue Date

**2025/10/21**

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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		7317
Minimum Luminaire Efficacy (lm/W) (Goniophotometer - Section 4.2)	IES LM-79-2019	Standard 105	Premium 120	151.8
Power (Input Wattage) (W) (Goniophotometer - Section 4.2)	IES LM-79-2019	Worst Case		48.2
Total Harmonic Distortion (A%) (THD & PF - section 4.3)	ANSI C82.77-10: 2014	20.00%	120V	6.18%
		20.00%	277V	9.87%
Power Factor (THD & PF - section 4.3)	ANSI C82.77-10: 2014	0.9	120V	0.993
		0.9	277V	0.945
Allowable CCTs* (K) (Integrating Sphere - Section 4.1)	IES LM-79-2019	7 step	5029±283	5120
		4 step	5029±220	
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	-		12
Minimum Rf (Integrating Sphere - Section 4.1)	ANSI/IES TM-30-18	≥70		83
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%		-12%
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%		0.65%
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		0.184
(Goniophotometer - Section 4.2)		Non-Worst Case		0.403
Power (Input Wattage - W)				
(Goniophotometer - Section 4.2)	IES LM-79-2019	Worst Case		48.2
(Goniophotometer - Section 4.2)		Non-Worst Case		48.0

## 2.0 Test List

Test Item	Test	Test Date	Model Number	Build Level	Sample No.
1	Integrating Sphere Test	2025/10/20	SLIM17FA50ADJ @ 50W/5000K	N/A	DLF2510109-C1
2	Goniophotometer Test	2025/10/20	SLIM17FA50ADJ @ 50W/5000K	N/A	DLF2510109-C1
3	THD and PF Test	2025/10/20	SLIM17FA50ADJ @ 50W/5000K	N/A	DLF2510109-C1

### 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.

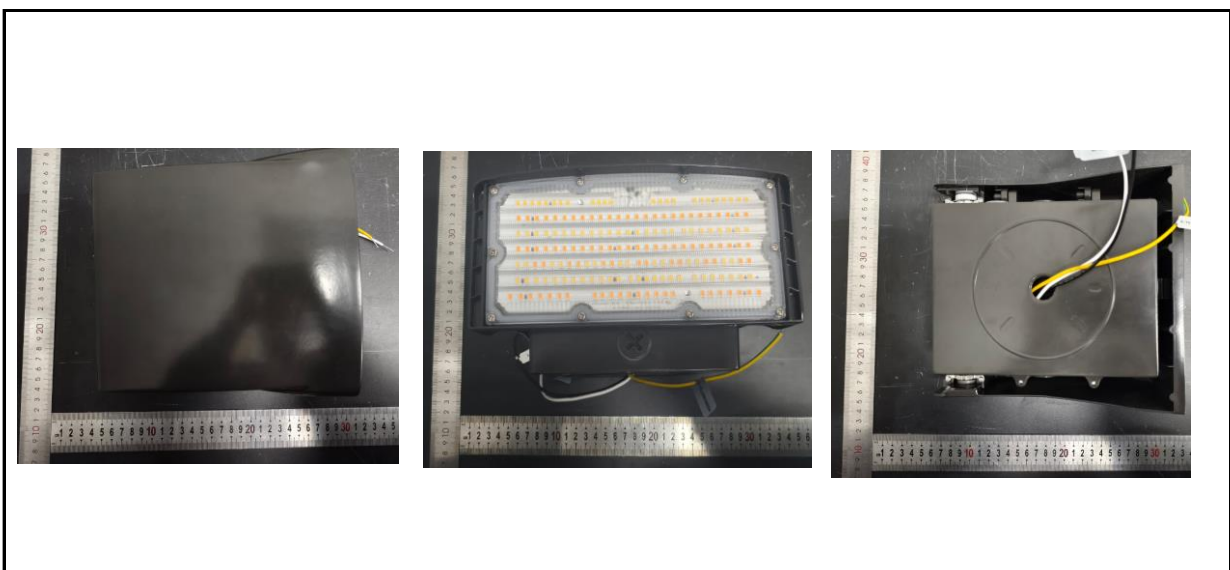
## 3.0 Production Description

**Luminaire Description:** SLIM17FA50ADJ @ 50W/5000K

**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/5000K	Sample ID.	DLF2510109-C1
Opreate 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 paramters 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
120.03	60	0.401	47.8	0.993
276.98	60	0.183	48.0	0.945

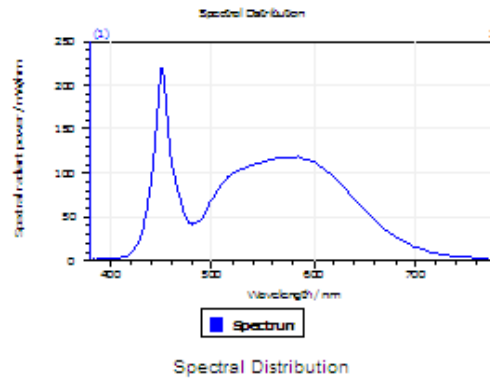
#### Test Result

CCT (K)	CRI	R9	Duv
5120	83	12	0.0013

Rf	Rg	IES Rcs,h1
83	97	-12%

## 4.1 Integrating Sphere Test

### Results

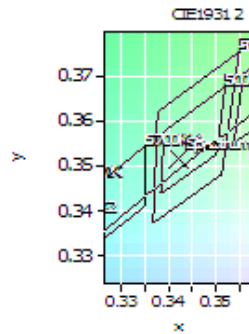


#### Spectral values

DominantWavelength 569.46 nm  
Purity 0.082  
PeakWavelength 450.88 nm  
Radiant Power 23.81 W  
Width50%:

#### Color Coordinates

Correlated Color Temperat 5120 K  
x: 0.3420 u: 0.2093 u': 0.2093  
y: 0.3517 v: 0.3228 v': 0.4843  
CRI01 81.5 CRI09 12.0  
CRI02 87.2 CRI10 69.1  
CRI03 90.6 CRI11 82.1  
CRI04 82.9 CRI12 59.5  
CRI05 81.8 CRI13 82.9  
CRI06 81.6 CRI14 94.9  
CRI07 87.1 CRI15 76.7  
CRI08 69.3 CRI16 75.8  
ResultsCRI 82.7



PlanckDistance 1.3E-003

## 4.1 Integrating Sphere Test - TM-30

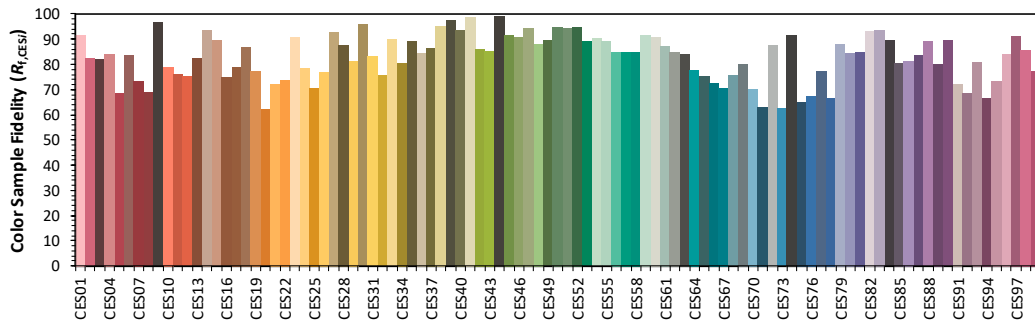
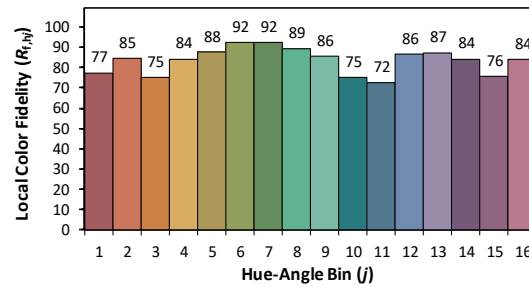
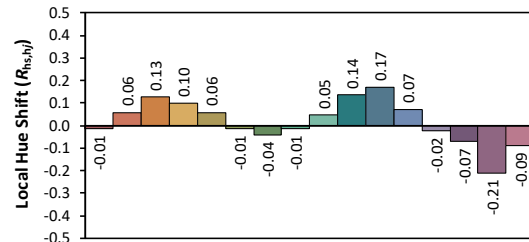
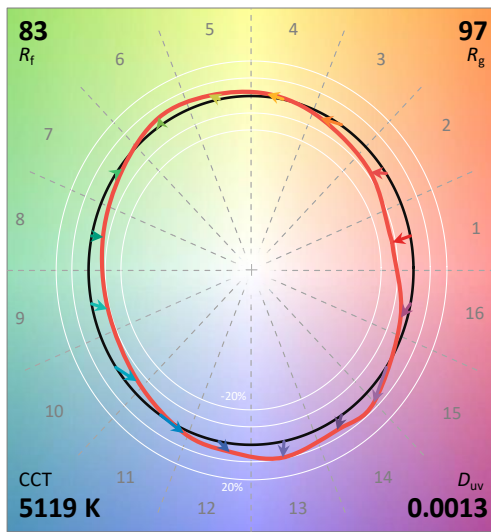
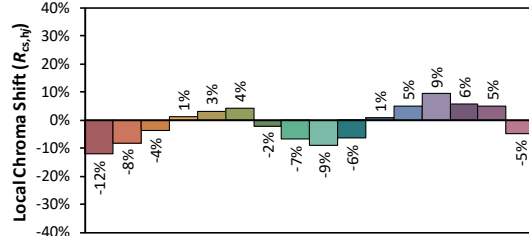
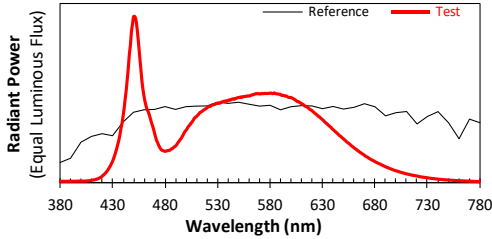
### IES TM-30-18 Color Rendition Report

Source: DLF2510109-3a

Manufacturer: RAB Lighting Inc.

Date: 2025/10/20

Model: SLIM17FA50ADJ @ 50W/5000K



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

$x$  0.3420  
 $y$  0.3517  
 $u'$  0.2093  
 $v'$  0.4843

CIE 13.3-1995  
 (CRI)

$R_a$  84  
 $R_g$  19

#### 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	1.83E-03	485	4.33E-02	590	1.17E-01	695	1.83E-02
385	1.86E-03	490	4.85E-02	595	1.15E-01	700	1.58E-02
390	1.88E-03	495	5.80E-02	600	1.13E-01	705	1.36E-02
395	1.99E-03	500	6.93E-02	605	1.09E-01	710	1.17E-02
400	2.01E-03	505	7.92E-02	610	1.05E-01	715	1.00E-02
405	2.29E-03	510	8.77E-02	615	1.00E-01	720	8.88E-03
410	3.08E-03	515	9.43E-02	620	9.53E-02	725	7.43E-03
415	4.75E-03	520	9.92E-02	625	8.94E-02	730	6.50E-03
420	8.45E-03	525	1.03E-01	630	8.35E-02	735	5.47E-03
425	1.57E-02	530	1.05E-01	635	7.69E-02	740	4.69E-03
430	2.82E-02	535	1.07E-01	640	7.03E-02	745	4.04E-03
435	5.08E-02	540	1.09E-01	645	6.40E-02	750	3.53E-03
440	8.77E-02	545	1.11E-01	650	5.79E-02	755	3.00E-03
445	1.52E-01	550	1.13E-01	655	5.19E-02	760	2.64E-03
450	2.20E-01	555	1.14E-01	660	4.62E-02	765	2.31E-03
455	1.81E-01	560	1.15E-01	665	4.09E-02	770	1.99E-03
460	1.15E-01	565	1.17E-01	670	3.61E-02	775	1.67E-03
465	8.96E-02	570	1.18E-01	675	3.17E-02	780	1.44E-03
470	6.56E-02	575	1.18E-01	680	2.78E-02		
475	4.67E-02	580	1.18E-01	685	2.46E-02		
480	4.15E-02	585	1.18E-01	690	2.11E-02		



## 4.0 LM-79 Measurement and Test Results

### 4.2 Goniophotometer Test

Model No.	SLIM17FA50ADJ @ 50W/5000K	Sample ID.	DLF2510109-C1
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	277.05	60	0.184	48.2	0.945
NON-WORST CASE	120.03	60	0.403	48.0	0.993

#### Test Result

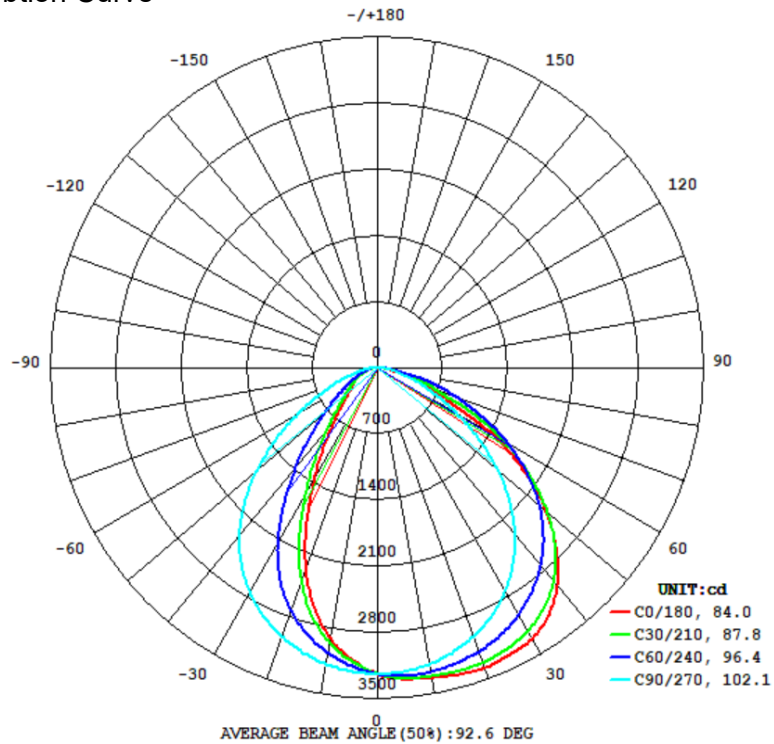
Flux (lm)	Field Angle(10%)		Beam Angle(50%)		Luminous Efficacy (lm/W)
	C0-180	C90-270	C0-180	C90-270	
7317	129.8	148.1	84.0	102.1	151.8

Zonal Lumen Requirement (0°-90°)	Zonal Lumen Requirement (80°-90°)	BUG rating
100.00%	0.65%	B3-U0-G1

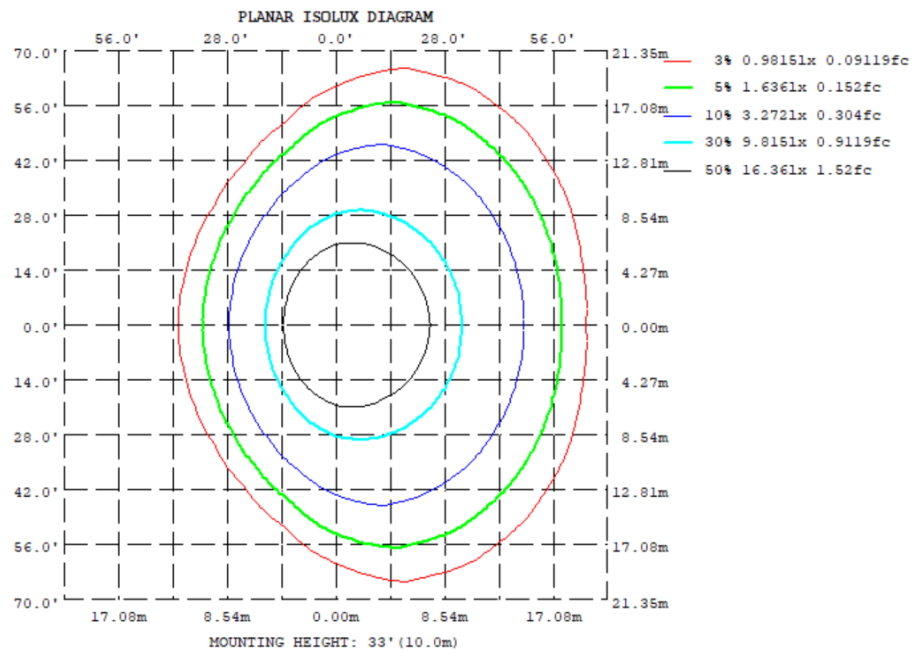


## 4.2 Goniophotometer Test

### Light Distrubtion Curve



### Isolux Plot



## 4.2 Goniophotometer Test

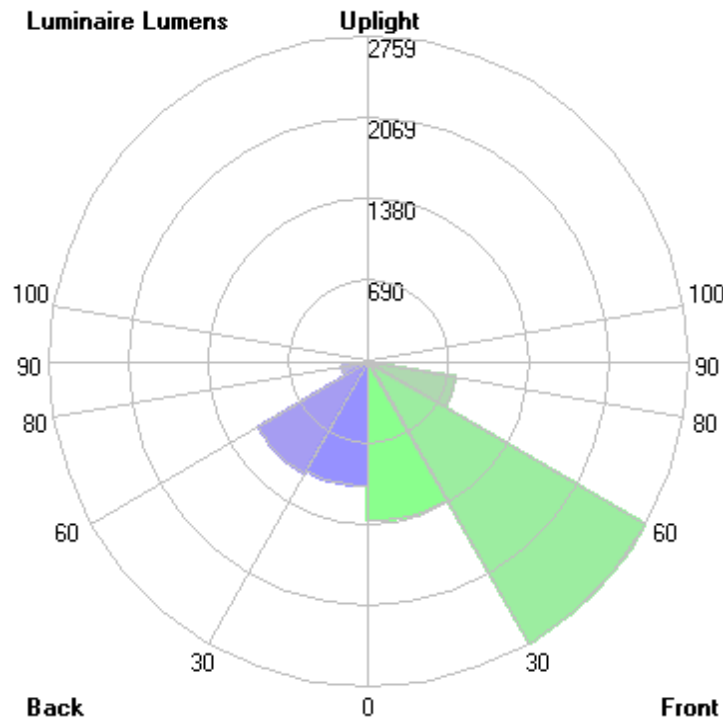
### Zonal Lumen Summary

γ	C0	C45	C90	C135	C180	C225	C270	C315
10	3330	3290	3183	3004	2911	3004	3183	3290
20	3375	3253	3019	2552	2249	2552	3019	3253
30	3311	3129	2740	1801	1366	1801	2740	3129
40	3008	2854	2304	1042	711.6	1042	2304	2854
50	2366	2365	1692	550.6	408.6	550.6	1692	2365
60	1455	1639	1014	313.9	283.0	313.9	1014	1639
70	555.6	810.9	478.6	177.9	180.6	177.9	478.6	810.9
80	111.8	218.1	147.4	62.76	68.55	62.76	147.4	218.1
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	304.72	0 - 10	304.72	4.16%
10-20	858.87	0 - 20	1163.59	15.90%
20-30	1251.09	0 - 30	2414.68	33.00%
30-40	1412.96	0 - 40	3827.64	52.31%
40-50	1350.26	0 - 50	5177.90	70.77%
50-60	1097.30	0 - 60	6275.20	85.77%
60-70	692.13	0 - 70	6967.33	95.23%
70-80	301.59	0 - 80	7268.92	99.35%
80-90	47.72	0 - 90	7316.64	100.00%
90-100	0.00	0 - 100	7316.64	100.00%
100-110	0.00	0 - 110	7316.64	100.00%
110-120	0.00	0 - 120	7316.64	100.00%
120-130	0.00	0 - 130	7316.64	100.00%
130-140	0.00	0 - 140	7316.64	100.00%
140-150	0.00	0 - 150	7316.64	100.00%
150-160	0.00	0 - 160	7316.64	100.00%
160-170	0.00	0 - 170	7316.64	100.00%
170-180	0.00	0 - 180	7316.64	100.00%

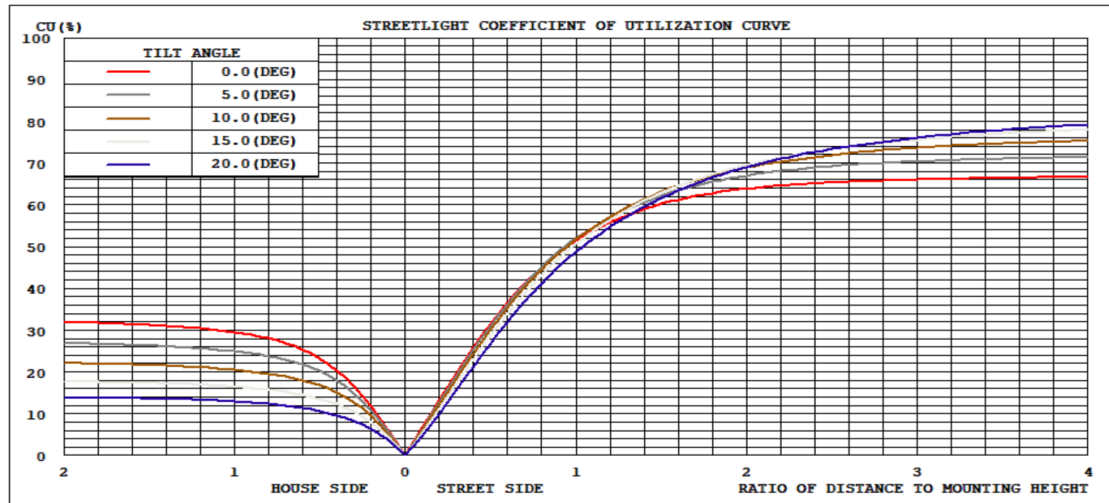
## 4.2 Goniophotometer Test

LCS/BUG

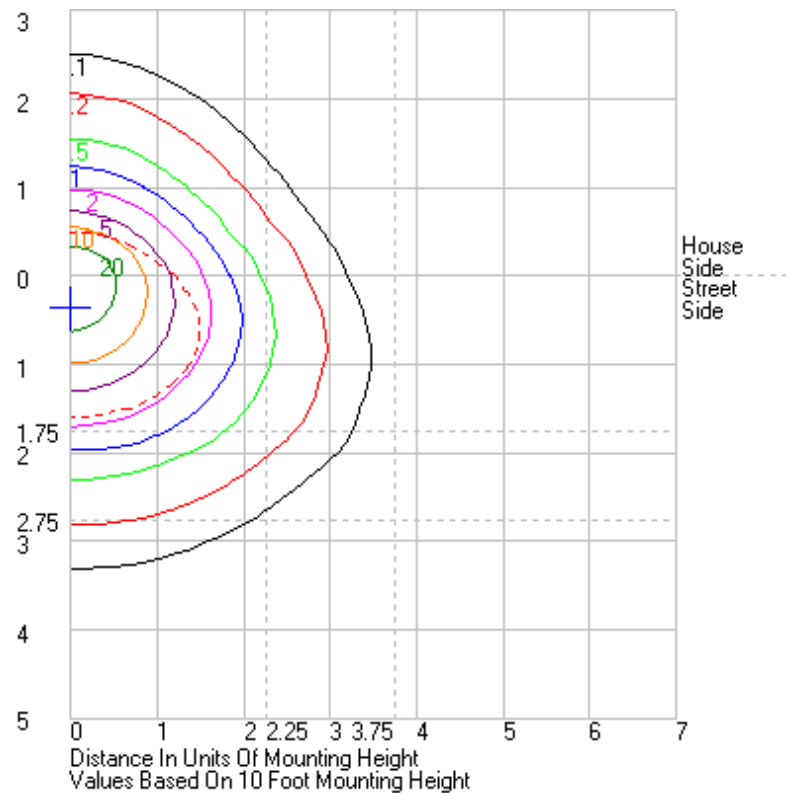


	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1352.8	N.A.	18.5
FM - Front-Medium (30-60)	2759.2	N.A.	37.7
FH - Front-High (60-80)	763.3	N.A.	10.4
FVH - Front-Very High (80-90)	32.6	N.A.	0.4
BL - Back-Low (0-30)	1061.8	N.A.	14.5
BM - Back-Medium (30-60)	1101.4	N.A.	15.1
BH - Back-High (60-80)	230.4	N.A.	3.1
BVH - Back-Very High (80-90)	15.2	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	7316.7	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	3238.4	3238.4	3238.4	3238.4	3238.4	3238.4	3238.4	3238.4	3238.4	3238.4	3238.4	3238.4	3238.4	3238.4	3238.4	3238.4	3238.4	3238.4	3238.4	3238.4	3238.4	3238.4	3238.4	3238.4	3238.4
1	3258	3256.5	3254.6	3251.5	3248.1	3243.9	3238.2	3233.4	3228.2	3222.7	3219.2	3216.4	3212.7	3216.4	3219.2	3222.7	3228.2	3233.4	3238.2	3243.9	3248.1	3251.5	3254.6	3256.5	3258
2	3274.9	3272.6	3268.6	3264.2	3256.6	3248.2	3236.7	3226.9	3215.3	3205.5	3197.4	3192	3192.5	3192	3197.4	3205.5	3215.3	3226.9	3236.7	3248.2	3256.6	3264.2	3268.6	3272.6	3274.9
3	3288.2	3285.6	3280.1	3272.3	3262.2	3249.7	3234.1	3218.3	3201	3185.3	3173.8	3166	3164.9	3166	3173.8	3185.3	3201	3218.3	3234.1	3249.7	3262.2	3272.3	3280.1	3285.6	3288.2
4	3298.6	3295.4	3290.3	3280.7	3267.1	3250.7	3229.5	3208.5	3184.6	3163.9	3148.6	3137.3	3135	3137.3	3148.6	3163.9	3184.6	3208.5	3229.5	3250.7	3267.1	3280.7	3290.3	3295.4	3298.6
5	3305.8	3302.1	3295.9	3286.2	3269.3	3249.8	3224.7	3198.1	3167.8	3141.3	3120.8	3107.6	3104.1	3107.6	3120.8	3141.3	3167.8	3198.1	3224.7	3249.8	3269.3	3286.2	3295.9	3302.1	3305.8
6	3310.4	3308	3300.9	3289	3272.3	3248.2	3218.8	3184.6	3149.4	3116.9	3093	3076.2	3071.9	3076.2	3093	3116.9	3149.4	3184.6	3218.8	3248.2	3272.3	3289	3300.9	3308	3310.4
7	3315.5	3312.3	3303.8	3290.6	3271.7	3245.7	3211.4	3171.4	3129.6	3091.8	3061.4	3041.4	3035.8	3041.4	3061.4	3091.8	3129.6	3171.4	3211.4	3245.7	3271.7	3290.6	3303.8	3312.3	3315.5
8	3320.5	3315.9	3306	3291.4	3270.7	3241	3202.6	3157.2	3107.9	3063.5	3029	3004.7	2998.3	3004.7	3029	3063.5	3107.9	3157.2	3202.6	3241	3270.7	3291.4	3306	3315.9	3320.5
9	3326	3320.9	3307.7	3290.7	3268.6	3236.2	3193	3141.5	3086.2	3034.6	2993.6	2964.7	2956.8	2964.7	2993.6	3034.6	3086.2	3141.5	3193	3236.2	3268.6	3290.7	3307.7	3320.9	3326
10	3330.3	3324.7	3309.6	3289.5	3265.4	3229.8	3182.7	3125.4	3062.4	3003.7	2955.5	2921.7	2911	2921.7	2955.5	3003.7	3062.4	3125.4	3182.7	3229.8	3265.4	3289.5	3309.6	3324.7	3330.3
11	3335.9	3329.4	3311.8	3288.2	3261	3223.7	3171.8	3107.8	3037.4	2971	2914.4	2875.7	2865.2	2875.7	2914.4	2971	3037.4	3107.8	3171.8	3223.7	3261	3288.2	3311.8	3329.4	3335.9
12	3341.4	3334	3313	3286.3	3255.9	3215.7	3158.5	3087.9	3009.4	2935.6	2871.3	2825	2810.8	2825	2871.3	2935.6	3009.4	3087.9	3158.5	3215.7	3255.9	3286.3	3313	3334	3341.4
13	3347	3338	3314.5	3283.9	3250.2	3205.8	3145.1	3067.9	2981.7	2897.9	2823.4	2772.7	2755.6	2772.7	2823.4	2897.9	2981.7	3067.9	3145.1	3205.8	3250.2	3283.9	3314.5	3338	3347
14	3352.9	3342.3	3316.6	3281.8	3243.1	3195.6	3130.3	3045.9	2952	2857	2774.6	2713.5	2694.2	2713.5	2774.6	2857	2952	3045.9	3130.3	3195.6	3243.1	3281.8	3316.6	3342.3	3352.9
15	3356.8	3345.9	3317.9	3278.6	3236.2	3184	3114.7	3023.1	2918.1	2814.6	2719.6	2653.1	2631.3	2653.1	2719.6	2814.6	2918.1	3023.1	3114.7	3184	3236.2	3278.6	3317.9	3345.9	3356.8
16	3361.4	3350.4	3318.3	3275.5	3227.6	3172.2	3097.3	2998.1	2885.2	2768.3	2662.5	2586.4	2561.7	2586.4	2662.5	2768.3	2885.2	2998.1	3097.3	3172.2	3227.6	3275.5	3318.3	3350.4	3361.4
17	3365.4	3353.3	3317.9	3271.1	3218.9	3158	3079.8	2972.4	2848.9	2719	2601.6	2516.3	2490.1	2516.3	2601.6	2719	2848.9	2972.4	3079.8	3158	3218.9	3271.1	3317.9	3353.3	3365.4
18	3368.5	3354.5	3317.4	3266.5	3209.5	3144.4	3060.1	2946.2	2809.5	2666.5	2534.9	2443.8	2412.5	2443.8	2534.9	2666.5	2809.5	2946.2	3060.1	3144.4	3209.5	3266.5	3317.4	3354.5	3368.5
19	3373.4	3356.5	3315.6	3260.1	3199.5	3129.6	3040.2	2917.3	2769.5	2611.3	2465.8	2365	2333.3	2365	2465.8	2611.3	2769.5	2917.3	3040.2	3129.6	3199.5	3260.1	3315.6	3356.5	3373.4
20	3374.9	3358.1	3312.7	3253.5	3189	3114.9	3018.9	2887.4	2726.4	2552.2	2393.1	2284.4	2248.9	2284.4	2393.1	2552.2	2726.4	2887.4	3018.9	3114.9	3189	3253.5	3312.7	3358.1	3374.9
21	3373	3356.9	3308.8	3246.1	3177.1	3098.6	2996.9	2856.1	2680.3	2489.4	2316.7	2201	2162.3	2201	2316.7	2489.4	2680.3	2856.1	2996.9	3098.6	3177.1	3246.1	3308.8	3356.9	3373
22	3368	3353.7	3305.7	3237.2	3163.5	3081.9	2973.1	2822.5	2632.5	2423.2	2236.7	2113.3	2074.6	2113.3	2236.7	2423.2	2632.5	2822.5	2973.1	3081.9	3163.5	3237.2	3305.7	3353.7	3368
23	3362.1	3347.6	3299.1	3227.3	3150.3	3063.7	2949.5	2788.3	2581.7	2352.9	2155.3	2025.2	1982.7	2025.2	2155.3	2352.9	2581.7	2788.3	2949.5	3063.7	3150.3	3227.3	3299.1	3347.6	3362.1
24	3356.5	3340.7	3291.8	3215.6	3135.6	3043.2	2923.6	2751.7	2527.4	2280.5	2069.6	1936.1	1892.9	1936.1	2069.6	2280.5	2527.4	2751.7	2923.6	3043.2	3135.6	3215.6	3291.8	3340.7	3356.5
25	3348.9	3332.9	3283	3204.7	3119.6	3023.4	2896.5	2712.6	2470.8	2205.5	1984.1	1845.8	1799.2	1845.8	1984.1	2205.5	2470.8	2712.6	2896.5	3023.4	3119.6	3204.7	3283	3332.9	3348.9
26	3343.8	3324.8	3271.9	3192.5	3102.2	3001.3	2868.5	2671.9	2410.2	2127.3	1897.7	1754.6	1708.3	1754.6	1897.7	2127.3	2410.2	2671.9	2868.5	3001.3	3102.2	3192.5	3271.9	3324.8	3343.8
27	3337.2	3315.7	3259.2	3178.4	3084.1	2978.3	2838.4	2628.3	2346.5	2046.7	1809.4	1665.6	1615.7	1665.6	1809.4	2046.7	2346.5	2628.3	2838.4	2978.3	3084.1	3178.4	3259.2	3315.7	3337.2
28	3330.5	3307	3246.7	3163.6	3064.5	2954.7	2807.7	2583.8	2280.7	1966.1	1723.9	1575.5	1529.5	1575.5	1723.9	1966.1	2280.7	2583.8	2807.7	2954.7	3064.5	3163.6	3246.7	3307	3330.5
29	3320.6	3296.7	3232.8	3147.7	3043.5	2930.2	2774.1	2535.1	2212.3	1882.8	1635.9	1489.8	1442.2	1489.8	1635.9	1882.8	2212.3	2535.1	2774.1	2930.2	3043.5	3147.7	3232.8	3296.7	3320.6
30	3310.9	3284.5	3216.2	3129.1	3022.1	2903.8	2739.8	2485.5	2139.9	1800.9	1551.5	1407.1	1366	1407.1	1551.5	1800.9	2139.9	2485.5	2739.8	2903.8	3022.1	3129.1	3216.2	3284.5	3310.9
31	3295.4	3270.1	3199.3	3109.1	2997.6	2876.1	2703.8	2432.3	2066.8	1716.9	1468.3	1327.7	1289.7	1327.7	1468.3	1716.9	2066.8	2432.3	2703.8	2876.1	2997.6	3109.1	3199.3	3270.1	3295.4
32	3277.9	3253	3180.3	3087.9	2973.2	2847.7	2666.9	2377.4	1990.7	1634.2	1389.3	1251.2	1210	1251.2	1389.3	1634.2	1990.7	2377.4	2666.9	2847.7	2973.2	3087.9	3180.3	3253	3277.9
33	3254.1	3231.9	3159.4	3064.4	2946.7	2817.5	2627.3	2318.2	1913.3	1552	1313.6	1174.2	1135.1	1174.2	1313.6	1552	1913.3	2318.2	2627.3	2817.5	2946.7	3064.4	3159.4	3231.9	3254.1
34	3229.6	3208.4	3137.4	3039.5	2920.1	2786.9	2586.8	2258.3	1836	1471.8	1238.7	1101.1	1063.4	1101.1	1238.7	1471.8	1836	2258.3	2586.8	2786.9	2920.1	3039.5	3137.4	3208.4	3229.6
35	3199	3179.7	3112.1	3013.7	2892.6	2754	2544.6	2195.9	1756.7	1394.4	1165.2	1032.6	995.65	1032.6	1165.2	1394.4	1756.7	2195.9	2544.6	2754	2892.6	3013.7	3112.1	3179.7	3199
36	3167.1	3149.6	3083.1	2985	2862.9	2720.2	2499.5	2129.3	1676.6	1321.1	1093.6	965.54	930.57	965.54	1093.6	1321.1	1676.6	2129.3	2499.5	2720.2	2862.9	2985	3083.1	3149.6	3167.1
37	3134.4	3116.1	3052.9	2956.1	2831.7	2685.9	2454.2	2061.8	1598.4	1249.3	1026.5	903.12	870.33	903.12	1026.5	1249.3	1598.4	2061.8	2454.2	2685.9	2831.7	2956.1	3052.9	3116.1	3134.4
38	3094.5	3082	3020.2	2924.3	2798.8	2650.6	2405.8	1992.4	1519.6	1177.7	961.83	844.43	813.46	844.43	961.83	1177.7	1519.6	1992.4	2405.8	2650.6	2798.8	2924.3	3020.2	3082	3094.5
39	3057.1	3042.2	2983.4	2889.9	2764.7	2612.6	2356	1920.6	1442	1108.1	901.01	789.1	760.12	789.1	901.01	1108.1	1442	1920.6	2356	2612.6	2764.7	2889.9	2983.4	3042.2	3057.1
40	3008.5	2998.4	2946.1	2854	2729.7	2575.2	2304.4	1849	1368.7	1042	843.18	738	711.61	738	843.18	1042	1368.7	1849	2304.4	2575.2	2729.7	2854	2946.1	2998.4	3008.5
41	2960.9	2950.4	2904.9	2815.5	2691.9	2534.1	2250.5	1775.1	1298.2	978.71	788.97	690.49	666.06	690.49	788.97	978.71	1298.2	1775.1	2250.5	2534.1	2691.9	2815.5	2904.9	2950.4	2960.9
42	2904.5	2899.2	2860.5	2774.7	26																				

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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/5000K	Sample ID.	DLF2510109-C1
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
120.03	60	0.401	47.8	0.993	6.18%
276.98	60	0.183	48.0	0.945	9.87%

## 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\*\*\*\*\*