

# Photometric Test Report

## Relevant Standards

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

## Prepared For

**RAB Lighting Inc.**

408 W 14th St, New York, NY 10014 United States

Xiao Xiang,15921313292,Gary.Xiao@rablighting.com

## Prepared By

**Deliver Co.,Ltd.**

Block 11, 78 Keling Road, SSTP, Suzhou, China

0512-66801950,kevin.jia@szdeliver.com

## Project Number

**DLF2510109**

## Report Number

**DLF2510109-6a**

## Test Date

**2025/10/20**

## Issue Date

**2025/10/21**

## Test By

Hengshan Li

Hengshan Li

## Prepared By

Wangzun Zhu

Wangzun Zhu

## Approved By

Kevin Jia

Kevin Jia

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

This report shall not be reproduced, except in full, without written approval of Deliver Co.,Ltd.

This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP.

## 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		12031
Minimum Luminaire Efficacy (lm/W) (Goniophotometer - Section 4.2)	IES LM-79-2019	Standard 105	Premium 120	149.6
Power (Input Wattage) (W) (Goniophotometer - Section 4.2)	IES LM-79-2019	Worst Case		80.4
Total Harmonic Distortion (A%) (THD & PF - section 4.3)	ANSI C82.77-10: 2014	20.00%	120V	10.78%
		20.00%	277V	9.74%
Power Factor (THD & PF - section 4.3)	ANSI C82.77-10: 2014	0.9	120V	0.995
		0.9	277V	0.971
Allowable CCTs* (K) (Integrating Sphere - Section 4.1)	IES LM-79-2019	7 step	5029±283	5143
		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%		0.63%
Input Voltage (V)				
(Goniophotometer - Section 4.2)	IES LM-79-2019	Worst Case		120
(Goniophotometer - Section 4.2)		Non-Worst Case		277
Input Current (A)				
(Goniophotometer - Section 4.2)	IES LM-79-2019	Worst Case		0.673
(Goniophotometer - Section 4.2)		Non-Worst Case		0.294
Power (Input Wattage - W)				
(Goniophotometer - Section 4.2)	IES LM-79-2019	Worst Case		80.4
(Goniophotometer - Section 4.2)		Non-Worst Case		79.2

## 2.0 Test List

Test Item	Test	Test Date	Model Number	Build Level	Sample No.
1	Integrating Sphere Test	2025/10/20	SLIM17FA80ADJ @ 80W/5000K	N/A	DLF2510109-F1
2	Goniophotometer Test	2025/10/20	SLIM17FA80ADJ @ 80W/5000K	N/A	DLF2510109-F1
3	THD and PF Test	2025/10/20	SLIM17FA80ADJ @ 80W/5000K	N/A	DLF2510109-F1

### 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:** SLIM17FA80ADJ @ 80W/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.	SLIM17FA80ADJ @ 80W/5000K	Sample ID.	DLF2510109-F1
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
119.99	60	0.671	80.1	0.995
277.00	60	0.293	78.9	0.971

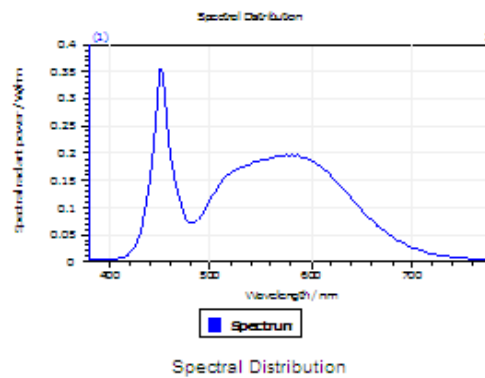
#### Test Result

CCT (K)	CRI	R9	Duv
5143	83	12	0.00084

Rf	Rg	IES Rcs,h1
83	97	-12%

## 4.1 Integrating Sphere Test

### Results



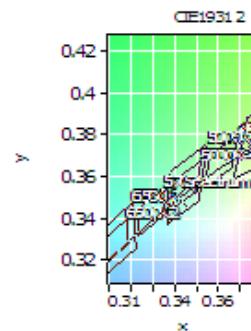
### Spectral values

DominantWavelength 569.46 nm  
Purity 0.075  
PeakWavelength 451.35 nm  
Radiant Power 39.6 W  
Width50%:

### Color Coordinates

Correlated Color Temperat 5143 K  
x: 0.3413 u: 0.2094 u': 0.2094  
y: 0.3502 v: 0.3223 v': 0.4834

CRI01	81.6	CRI09	12.1
CRI02	87.6	CRI10	69.9
CRI03	91.0	CRI11	81.8
CRI04	82.6	CRI12	60.3
CRI05	81.9	CRI13	83.2
CRI06	82.0	CRI14	95.1
CRI07	87.0	CRI15	76.9
CRI08	69.0	CRI16	75.9
ResultsCRI	82.8		



PlankDistance 8.4E-004

## 4.1 Integrating Sphere Test - TM-30

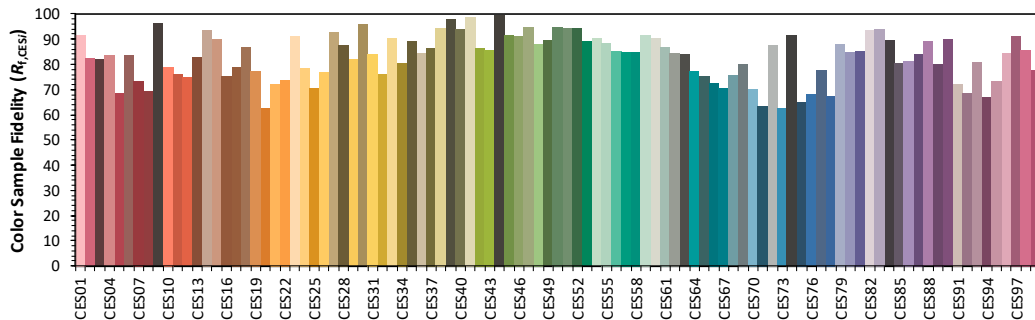
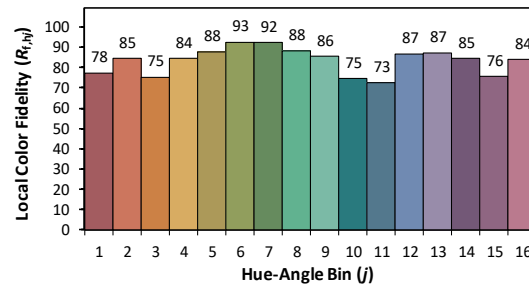
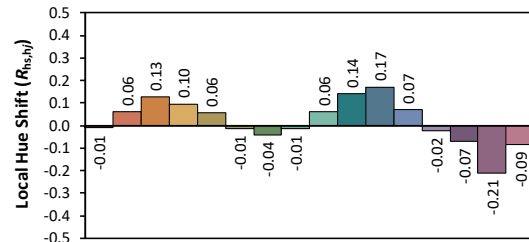
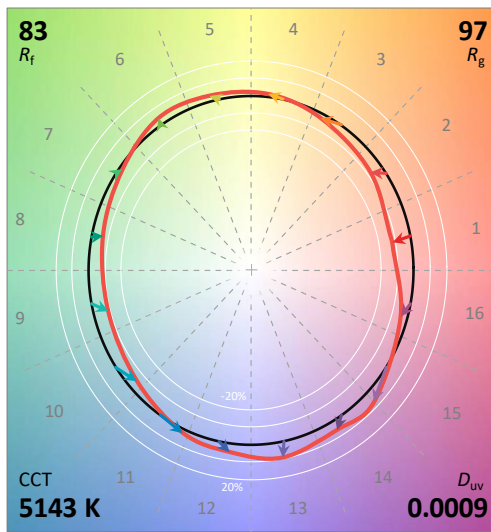
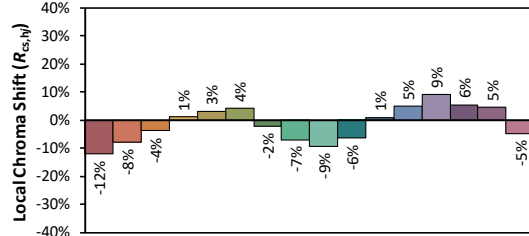
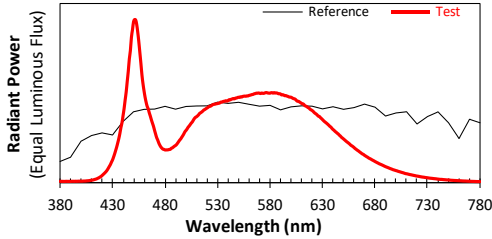
### IES TM-30-18 Color Rendition Report

Source: DLF2510109-6a

Manufacturer: RAB Lighting Inc.

Date: 2025/10/20

Model: SLIM17FA80ADJ @ 80W/5000K



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

$x$  0.3413  
 $y$  0.3502  
 $u'$  0.2094  
 $v'$  0.4834

CIE 13.3-1995  
(CRI)

$R_a$  84  
 $R_g$  20

#### 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	3.12E-03	485	7.30E-02	590	1.94E-01	695	3.06E-02
385	3.03E-03	490	8.14E-02	595	1.90E-01	700	2.65E-02
390	3.00E-03	495	9.60E-02	600	1.87E-01	705	2.29E-02
395	3.35E-03	500	1.14E-01	605	1.80E-01	710	1.97E-02
400	3.43E-03	505	1.30E-01	610	1.73E-01	715	1.71E-02
405	4.07E-03	510	1.44E-01	615	1.66E-01	720	1.46E-02
410	5.46E-03	515	1.55E-01	620	1.58E-01	725	1.25E-02
415	8.69E-03	520	1.63E-01	625	1.48E-01	730	1.09E-02
420	1.57E-02	525	1.70E-01	630	1.38E-01	735	9.38E-03
425	2.81E-02	530	1.73E-01	635	1.28E-01	740	7.97E-03
430	4.99E-02	535	1.77E-01	640	1.16E-01	745	6.93E-03
435	8.74E-02	540	1.79E-01	645	1.06E-01	750	6.12E-03
440	1.46E-01	545	1.84E-01	650	9.56E-02	755	5.12E-03
445	2.43E-01	550	1.87E-01	655	8.62E-02	760	4.49E-03
450	3.51E-01	555	1.89E-01	660	7.69E-02	765	3.83E-03
455	3.08E-01	560	1.91E-01	665	6.80E-02	770	3.32E-03
460	2.01E-01	565	1.94E-01	670	5.99E-02	775	2.87E-03
465	1.53E-01	570	1.95E-01	675	5.29E-02	780	2.53E-03
470	1.15E-01	575	1.96E-01	680	4.64E-02		
475	8.23E-02	580	1.96E-01	685	4.06E-02		
480	7.17E-02	585	1.96E-01	690	3.52E-02		



## 4.0 LM-79 Measurement and Test Results

### 4.2 Goniophotometer Test

Model No.	SLIM17FA80ADJ @ 80W/5000K	Sample ID.	DLF2510109-F1
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	120.01	60	0.673	80.4	0.995
NON-WORST CASE	276.98	60	0.294	79.2	0.971

#### Test Result

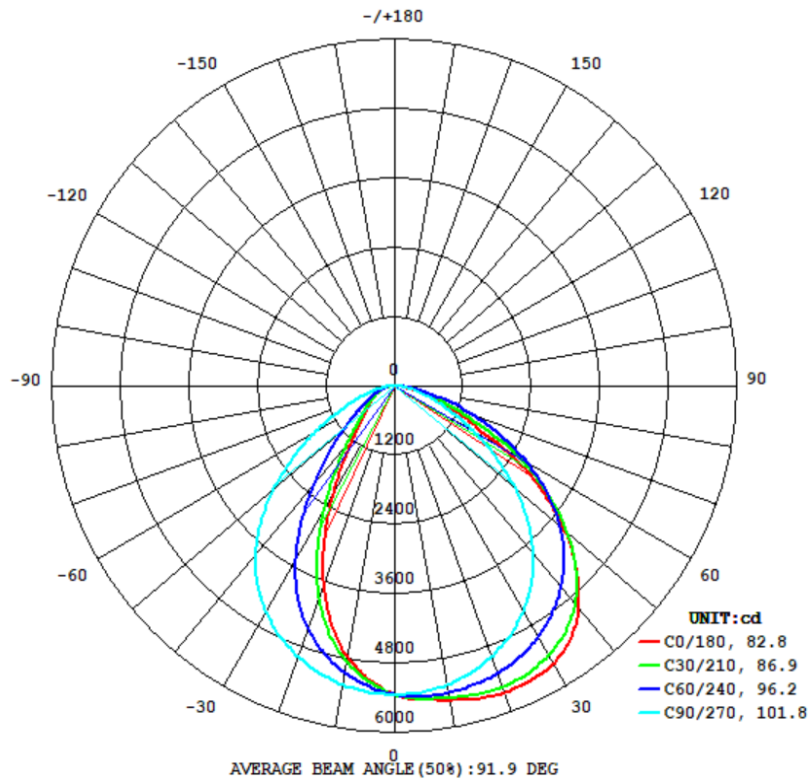
Flux (lm)	Field Angle(10%)		Beam Angle(50%)		Luminous Efficacy (lm/W)
	C0-180	C90-270	C0-180	C90-270	
12031	129.0	147.6	82.8	101.8	149.6

Zonal Lumen Requirement (0°-90°)	Zonal Lumen Requirement (80°-90°)	BUG rating
100.00%	0.63%	B3-U0-G1

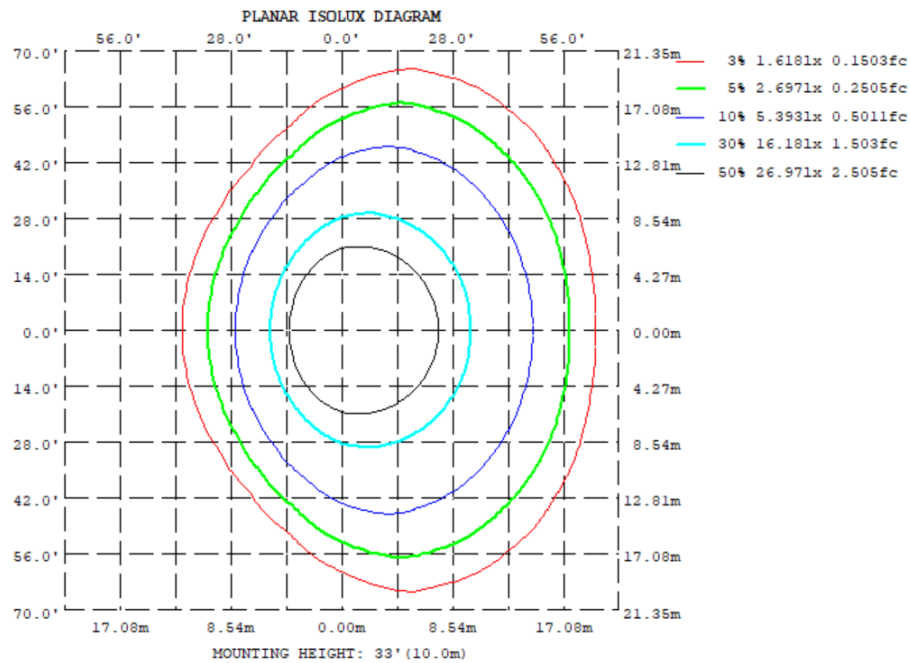


## 4.2 Goniophotometer Test

### Light Distrubtion Curve



### Isolux Plot



## 4.2 Goniophotometer Test

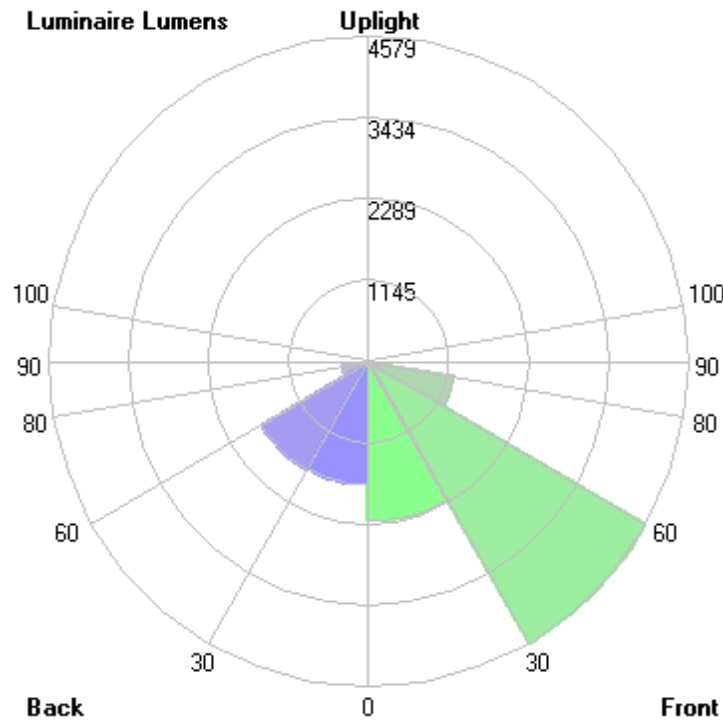
### Zonal Lumen Summary

γ	C0	C45	C90	C135	C180	C225	C270	C315
10	5523	5439	5257	4939	4767	4939	5257	5439
20	5650	5420	4982	4157	3644	4157	4982	5420
30	5557	5226	4516	2922	2179	2922	4516	5226
40	5032	4769	3795	1650	1106	1650	3795	4769
50	3898	3937	2776	857.1	664.1	857.1	2776	3937
60	2291	2692	1641	510.0	467.2	510.0	1641	2692
70	918.8	1283	772.5	296.3	305.3	296.3	772.5	1283
80	169.2	349.3	237.5	110.5	131.6	110.5	237.5	349.3
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	502.45	0 - 10	502.45	4.18%
10-20	1416.98	0 - 20	1919.43	15.95%
20-30	2066.08	0 - 30	3985.51	33.13%
30-40	2330.56	0 - 40	6316.07	52.50%
40-50	2221.91	0 - 50	8537.98	70.96%
50-60	1797.11	0 - 60	10335.09	85.90%
60-70	1126.63	0 - 70	11461.72	95.27%
70-80	493.88	0 - 80	11955.60	99.37%
80-90	75.74	0 - 90	12031.34	100.00%
90-100	0.00	0 - 100	12031.34	100.00%
100-110	0.00	0 - 110	12031.34	100.00%
110-120	0.00	0 - 120	12031.34	100.00%
120-130	0.00	0 - 130	12031.34	100.00%
130-140	0.00	0 - 140	12031.34	100.00%
140-150	0.00	0 - 150	12031.34	100.00%
150-160	0.00	0 - 160	12031.34	100.00%
160-170	0.00	0 - 170	12031.34	100.00%
170-180	0.00	0 - 180	12031.34	100.00%

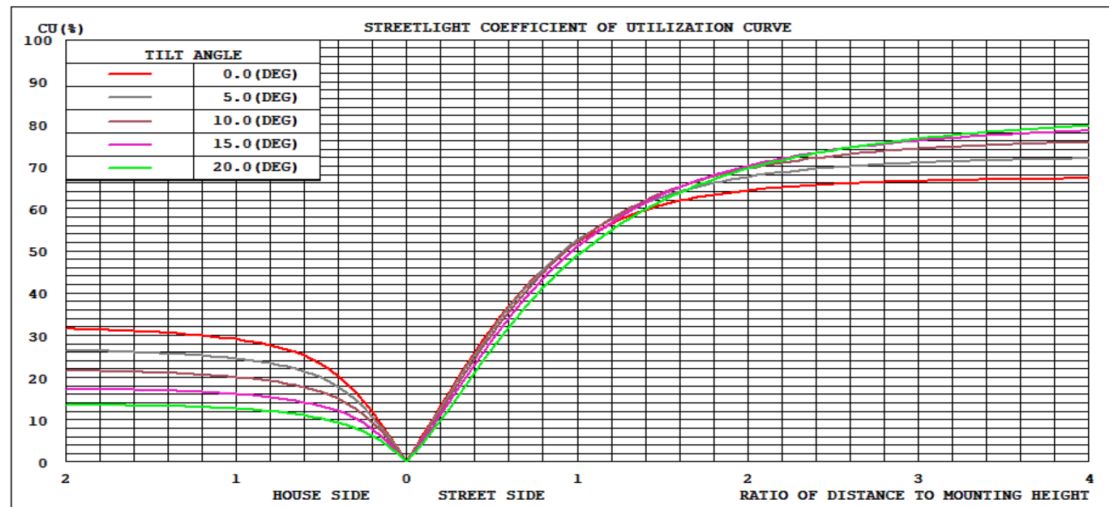
## 4.2 Goniophotometer Test

LCS/BUG

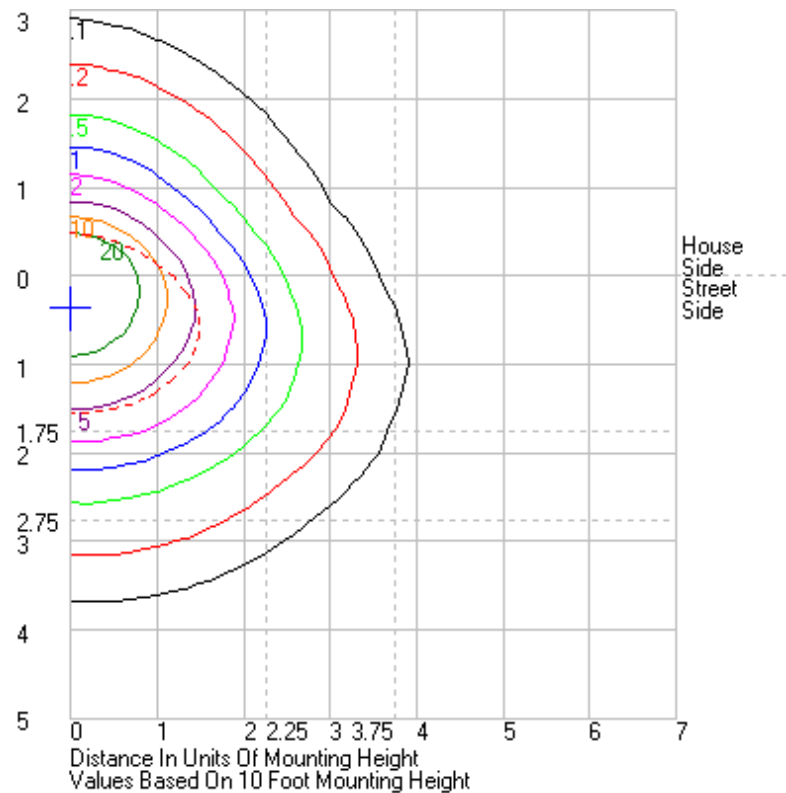


	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2248.4	N.A.	18.7
FM - Front-Medium (30-60)	4578.7	N.A.	38.1
FH - Front-High (60-80)	1242.7	N.A.	10.3
FVH - Front-Very High (80-90)	48.4	N.A.	0.4
BL - Back-Low (0-30)	1737.1	N.A.	14.4
BM - Back-Medium (30-60)	1770.9	N.A.	14.7
BH - Back-High (60-80)	377.8	N.A.	3.1
BVH - Back-Very High (80-90)	27.4	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	12031.4	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	5342.8	5342.8	5342.8	5342.8	5342.8	5342.8	5342.8	5342.8	5342.8	5342.8	5342.8	5342.8	5342.8	5342.8	5342.8	5342.8	5342.8	5342.8	5342.8	5342.8	5342.8	5342.8	5342.8	5342.8	5342.8
1	5368.6	5373	5370	5360.9	5359.1	5354	5344.3	5329.5	5322.9	5319.6	5311.8	5304	5310.6	5304	5311.8	5319.6	5322.9	5329.5	5344.3	5354	5359.1	5360.9	5370	5373	5368.6
2	5396.2	5397.7	5389.7	5380.6	5374	5359.1	5336.1	5318	5307.2	5291	5274.2	5265.1	5266.8	5265.1	5274.2	5291	5307.2	5318	5336.1	5359.1	5374	5380.6	5389.7	5397.7	5396.2
3	5422	5415	5407.8	5399.8	5383.5	5356.5	5331.6	5309.9	5284.2	5254.3	5233.2	5222.4	5214.6	5222.4	5233.2	5254.3	5284.2	5309.9	5331.6	5356.5	5383.5	5399.8	5407.8	5415	5422
4	5439.9	5429.3	5424.8	5411.3	5386.7	5357.1	5331.2	5294.9	5255.6	5216.2	5191.4	5172.5	5159.1	5172.5	5191.4	5216.2	5255.6	5294.9	5331.2	5357.1	5386.7	5411.3	5424.8	5429.3	5439.9
5	5452	5444.3	5437.1	5418.6	5389.7	5362.3	5324.2	5276.9	5222.9	5180.4	5143.9	5116.7	5108.8	5116.7	5143.9	5180.4	5222.9	5276.9	5324.2	5362.3	5389.7	5418.6	5437.1	5444.3	5452
6	5457.7	5457.8	5445.4	5420.6	5396.7	5361.2	5313.6	5251.3	5191.9	5140.1	5091	5057.7	5054.6	5057.7	5091	5140.1	5191.9	5251.3	5313.6	5361.2	5396.7	5420.6	5445.4	5457.8	5457.7
7	5472.5	5469.5	5451	5426.3	5400.2	5356.7	5296.3	5229.8	5164.1	5093.4	5033.8	4997.6	4987.6	4997.6	5033.8	5093.4	5164.1	5229.8	5296.3	5356.7	5400.2	5426.3	5451	5469.5	5472.5
8	5491.2	5480.3	5459.6	5434.7	5398.8	5345.1	5283	5212	5127.9	5043.4	4975.3	4934.3	4917.1	4934.3	4975.3	5043.4	5127.9	5212	5283	5345.1	5398.8	5434.7	5459.6	5480.3	5491.2
9	5509.7	5491.5	5471.4	5437.9	5392	5336.2	5273.5	5187	5088.3	4989	4916.2	4865.9	4839.7	4865.9	4916.2	4989	5088.3	5187	5273.5	5336.2	5392	5437.9	5471.4	5491.5	5509.7
10	5523.2	5507.4	5481.9	5438.6	5384.7	5331.3	5257.4	5158.5	5042.4	4939	4850.3	4788.8	4766.7	4788.8	4850.3	4939	5042.4	5158.5	5257.4	5331.3	5384.7	5438.6	5481.9	5507.4	5523.2
11	5532.8	5524.9	5490.4	5435.8	5383.4	5321.7	5238	5122.7	4999.9	4882.9	4779.8	4706.3	4686.8	4706.3	4779.8	4882.9	4999.9	5122.7	5238	5321.7	5383.4	5435.8	5490.4	5524.9	5532.8
12	5551	5539.9	5497.6	5438.8	5380	5308.1	5210.7	5090.5	4957.4	4821.8	4699.9	4619.4	4593.9	4619.4	4699.9	4821.8	4957.4	5090.5	5210.7	5308.1	5380	5438.8	5497.6	5539.9	5551
13	5573.1	5552.5	5506.6	5445.6	5372.6	5288.4	5187	5061.2	4908.7	4753	4617.8	4528.5	4493.4	4528.5	4617.8	4753	4908.7	5061.2	5187	5288.4	5372.6	5445.6	5506.6	5552.5	5573.1
14	5591.7	5564	5518.4	5446.9	5360.3	5270.4	5168	5025.1	4854.5	4679.5	4532.8	4429.5	4386.3	4429.5	4532.8	4679.5	4854.5	5025.1	5168	5270.4	5360.3	5446.9	5518.4	5564	5591.7
15	5604	5578	5526.8	5444.4	5347	5255.9	5142.6	4984.4	4793.4	4607.8	4442.1	4323.8	4282.5	4323.8	4442.1	4607.8	4793.4	4984.4	5142.6	5255.9	5347	5444.4	5526.8	5578	5604
16	5609.1	5591	5531.6	5438.7	5340	5238.5	5113.1	4937.4	4734.5	4530.2	4341.5	4208.8	4166.8	4208.8	4341.5	4530.2	4734.5	4937.4	5113.1	5238.5	5340	5438.7	5531.6	5591	5609.1
17	5620.8	5600.2	5532.6	5436.2	5331.7	5217.3	5077.6	4893.8	4677.2	4446.3	4234.3	4091.4	4044.1	4091.4	4234.3	4446.3	4677.2	4893.8	5077.6	5217.3	5331.7	5436.2	5532.6	5600.2	5620.8
18	5637.2	5606.3	5534.6	5436.5	5318.5	5191.1	5045.2	4852.6	4611	4353.8	4122.9	3969.8	3911.1	3969.8	4122.9	4353.8	4611	4852.6	5045.2	5191.1	5318.5	5436.5	5534.6	5606.3	5637.2
19	5648.3	5611.8	5537.7	5430.3	5301.1	5165.2	5016.9	4805.3	4540.7	4256.2	4008.3	3841.3	3776.4	3841.3	4008.3	4256.2	4540.7	4805.3	5016.9	5165.2	5301.1	5430.3	5537.7	5611.8	5648.3
20	5650.1	5617	5538.4	5420.2	5280.9	5144.7	4982.4	4753	4462.1	4156.7	3888.3	3707.4	3643.5	3707.4	3888.3	4156.7	4462.1	4753	4982.4	5144.7	5280.9	5420.2	5538.4	5617	5650.1
21	5639.6	5617.5	5535.8	5405.1	5266.3	5121.4	4944.8	4694.6	4382.7	4054.4	3761	3569.9	3510.5	3569.9	3761	4054.4	4382.7	4694.6	4944.8	5121.4	5266.3	5405.1	5535.8	5617.5	5639.6
22	5634.5	5611.2	5527.2	5393.1	5250.4	5093.2	4900.6	4637.8	4306.6	3942.9	3629.5	3430.2	3364.5	3430.2	3629.5	3942.9	4306.6	4637.8	4900.6	5093.2	5250.4	5393.1	5527.2	5611.2	5634.5
23	5632.9	5601.1	5518.2	5384	5229.3	5060	4858.7	4583.4	4218.6	3826.4	3494.6	3288.7	3216	3288.7	3494.6	3826.4	4218.6	4583.4	4858.7	5060	5229.3	5384	5518.2	5601.1	5632.9
24	5629	5589.7	5509	5368.3	5203.9	5026.1	4821	4522.7	4127	3702.4	3361.6	3145.6	3066	3145.6	3361.6	3702.4	4127	4522.7	4821	5026.1	5203.9	5368.3	5509	5589.7	5629
25	5621.7	5580.8	5496	5349.7	5175	4996.4	4776.8	4455.5	4025.3	3581.2	3221.7	2997.8	2920.6	2997.8	3221.7	3581.2	4025.3	4455.5	4776.8	4996.4	5175	5349.7	5496	5580.8	5621.7
26	5607.6	5573.2	5478.8	5325.1	5150.5	4964.1	4729.3	4381	3924.7	3455.6	3082.5	2849.8	2772.4	2849.8	3082.5	3455.6	3924.7	4381	4729.3	4964.1	5150.5	5325.1	5478.8	5573.2	5607.6
27	5598.9	5561.4	5457.2	5303.1	5124.9	4927.7	4673.9	4308.5	3823.4	3327.3	2937.8	2700.8	2621.7	2700.8	2937.8	3327.3	3823.4	4308.5	4673.9	4927.7	5124.9	5303.1	5457.2	5561.4	5598.9
28	5592.7	5544.8	5435.3	5283	5095.2	4885.3	4620.5	4235.2	3713.4	3192.2	2796.2	2554.5	2468.8	2554.5	2796.2	3192.2	3713.4	4235.2	4620.5	4885.3	5095.2	5283	5435.3	5544.8	5592.7
29	5579.4	5526.3	5414.7	5257.1	5059.3	4841.7	4571	4157	3599.2	3057.4	2655.7	2409.9	2320.8	2409.9	2655.7	3057.4	3599.2	4157	4571	4841.7	5059.3	5257.1	5414.7	5526.3	5579.4
30	5557.4	5506.9	5390.3	5225.8	5019.7	4801.7	4516.4	4070.6	3476.9	2922.3	2515.6	2265.4	2178.6	2265.4	2515.6	2922.3	3476.9	4070.6	4516.4	4801.7	5019.7	5225.8	5390.3	5506.9	5557.4
31	5524.1	5483.5	5361	5188.6	4983.8	4760.6	4456.7	3978.5	3355.9	2788.9	2376	2125.5	2043.6	2125.5	2376	2788.9	3355.9	3978.5	4456.7	4760.6	4983.8	5188.6	5361	5483.5	5524.1
32	5490	5453.2	5327.9	5153.7	4948.3	4714.9	4391.4	3884.8	3235.9	2654.2	2239.2	1992.1	1909.2	1992.1	2239.2	2654.2	3235.9	3884.8	4391.4	4714.9	4948.3	5153.7	5327.9	5453.2	5490
33	5455.3	5414.1	5291.5	5120.1	4907.7	4663	4324.6	3792.9	3109.3	2517.4	2103.3	1862.3	1782	1862.3	2103.3	2517.4	3109.3	3792.9	4324.6	4663	4907.7	5120.1	5291.5	5414.1	5455.3
34	5414.3	5371	5254.8	5080	4861.8	4609	4261.6	3691.3	2982.3	2384	1975.5	1741	1659	1741	1975.5	2384	2982.3	3691.3	4261.6	4609	4861.8	5080	5254.8	5371	5414.3
35	5363.7	5324.3	5213.7	5035.7	4810.9	4559.9	4193.4	3587.5	2849.8	2253.5	1851.5	1622.7	1546.7	1622.7	1851.5	2253.5	2849.8	3587.5	4193.4	4559.9	4810.9	5035.7	5213.7	5324.3	5363.7
36	5304.3	5275.5	5165	4984.3	4763.8	4507.3	4118.8	3474.5	2719.6	2127	1731.2	1510.8	1448.1	1510.8	1731.2	2127	2719.6	3474.5	4118.8	4507.3	4763.8	4984.3	5165	5275.5	5304.3
37	5242.1	5219.8	5111.4	4935.7	4717.6	4451	4039.5	3361.4	2593.4	2001.8	1615.4	1412.5	1356.7	1412.5	1615.4	2001.8	2593.4	3361.4	4039.5	4451	4717.6	4935.7	5111.4	5219.8	5242.1
38	5184.8	5154.5	5053.8	4886.5	4665.1	4389.7	3959.2	3249	2466.1	1880.4	1506.9	1319	1265.2	1319	1506.9	1880.4	2466.1	3249	3959.2	4389.7	4665.1	4886.5	5053.8	5154.5	5184.8
39	5113.6	5082.4	4994.5	4830.6	4607.2	4325.3	3878.8	3131.6	2337.7	1761.6	1409.3	1230.3	1179.8	1230.3	1409.3	1761.6	2337.7	3131.6	3878.8	4325.3	4607.2	4830.6	4994.5	5082.4	5113.6
40	5032.2	5006.1	4931	4768.6	4544.7	4264	3795.2	3009	2210.9	1650.1	1318.7	1150.2	1106.2	1150.2	1318.7	1650.1	2210.9	3009	3795.2	4264	4544.7	4768.6	4931	5006.1	5032.2
41	4934.6	4923.4	4859.5	4700.5	4483.4	4201.8	3706.9	2885.8	2088.6	1545.1	1231.1	1076.7	1040.3	1076.7	1231.1	1545.1	2088.6	2885.8	3706.9	4201.8	4483.4	4700.5	4859.5	4923.4	4934.6
42	4836.7	4835.2	4780.6	4631.8	4423.1	4134.7	3611	2761.3	1971.6	1444.7	1150.2														

Page 14 of 18

Page 15 of 18



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.	SLIM17FA80ADJ @ 80W/5000K	Sample ID.	DLF2510109-F1
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	0.671	80.1	0.995	10.78%
277.00	60	0.293	78.9	0.971	9.74%

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