

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

DLF2510109-4a

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		11682
Minimum Luminaire Efficacy (lm/W) (Goniophotometer - Section 4.2)	IES LM-79-2019	Standard 105	Premium 120	144.9
Power (Input Wattage) (W) (Goniophotometer - Section 4.2)	IES LM-79-2019	Worst Case		80.6
Total Harmonic Distortion (A%) (THD & PF - section 4.3)	ANSI C82.77-10: 2014	20.00%	120V	11.34%
		20.00%	277V	9.79%
Power Factor (THD & PF - section 4.3)	ANSI C82.77-10: 2014	0.9	120V	0.994
		0.9	277V	0.971
Allowable CCTs* (K) (Integrating Sphere - Section 4.1)	IES LM-79-2019	7 step	3045±175	3050
		4 step	3045±100	
Minimum CRI (Integrating Sphere - Section 4.1)	IES LM-79-2019 CIE 13.3-1995	≥70		82
Minimum R9 (Integrating Sphere - Section 4.1)	IES LM-79-2019 CIE 13.3-1995	-		6
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%		0.70%
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		0.676
(Goniophotometer - Section 4.2)		Non-Worst Case		0.294
Power (Input Wattage - W)				
(Goniophotometer - Section 4.2)	IES LM-79-2019	Worst Case		80.6
(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/3000K	N/A	DLF2510109-D1
2	Goniophotometer Test	2025/10/20	SLIM17FA80ADJ @ 80W/3000K	N/A	DLF2510109-D1
3	THD and PF Test	2025/10/20	SLIM17FA80ADJ @ 80W/3000K	N/A	DLF2510109-D1

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/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.	SLIM17FA80ADJ @ 80W/3000K	Sample ID.	DLF2510109-D1
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
119.97	60	0.675	80.5	0.994
277.00	60	0.294	79.1	0.971

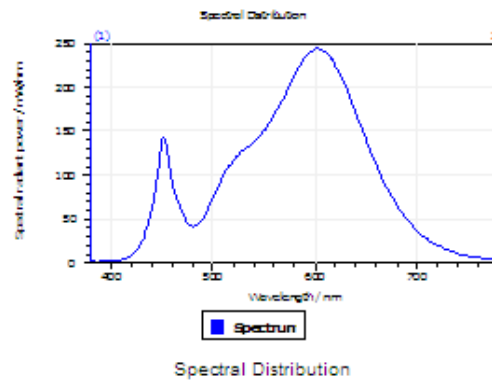
Test Result

CCT (K)	CRI	R9	Duv
3050	82	6	-0.0006

Rf	Rg	IES Rcs,h1
84	97	-11%

4.1 Integrating Sphere Test

Results



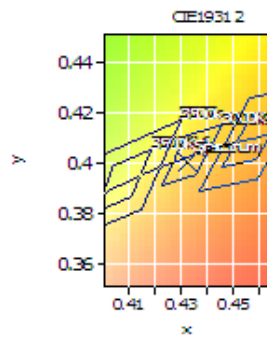
Spectral values

DominantWavelength 582.83 nm
Purity 0.502
PeakWavelength 602.86 nm
Radiant Power 36.62 W
Width50%:

Color Coordinates

Correlated Color Temperat 3050 K
x: 0.4326 u: 0.2491 u': 0.2491
y: 0.4011 v: 0.3484 v': 0.5195

CRI01	80.9	CRI09	6.3
CRI02	90.2	CRI10	77.4
CRI03	96.5	CRI11	79.9
CRI04	80.6	CRI12	69.0
CRI05	80.7	CRI13	83.1
CRI06	87.7	CRI14	98.5
CRI07	83.2	CRI15	73.5
CRI08	59.3	CRI16	71.4
ResultsCRI	82.4		



PlanckDistance 6.0E-004

4.1 Integrating Sphere Test - TM-30

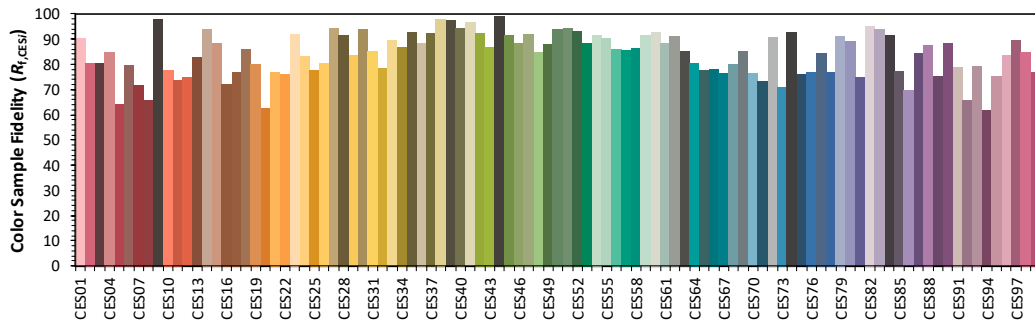
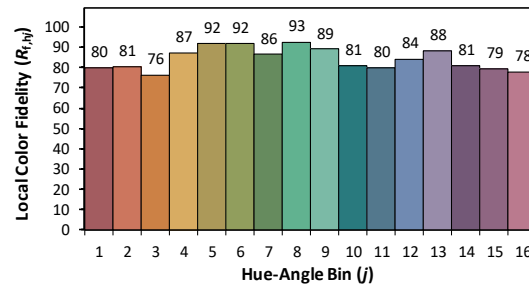
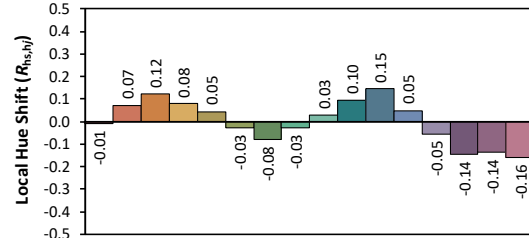
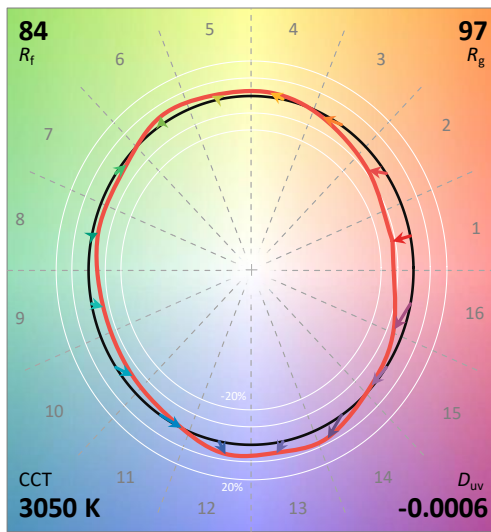
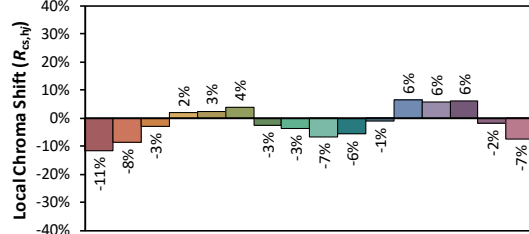
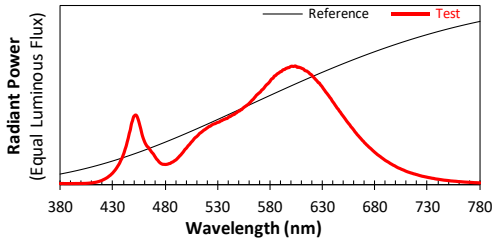
IES TM-30-18 Color Rendition Report

Source: DLF2510109-4a

Manufacturer: RAB Lighting Inc.

Date: 2025/10/20

Model: SLIM17FA80ADJ @ 80W/3000K



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

x 0.4326
 y 0.4011
 u' 0.2491
 v' 0.5195

CIE 13.3-1995
 (CRI)

R_a 83
 R_g 10

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	1.80E-03	485	4.36E-02	590	2.34E-01	695	4.29E-02
385	1.84E-03	490	5.04E-02	595	2.40E-01	700	3.68E-02
390	1.87E-03	495	6.12E-02	600	2.45E-01	705	3.17E-02
395	2.04E-03	500	7.45E-02	605	2.44E-01	710	2.70E-02
400	2.14E-03	505	8.76E-02	610	2.41E-01	715	2.34E-02
405	2.35E-03	510	9.89E-02	615	2.35E-01	720	2.02E-02
410	3.20E-03	515	1.09E-01	620	2.26E-01	725	1.70E-02
415	5.02E-03	520	1.17E-01	625	2.14E-01	730	1.48E-02
420	8.51E-03	525	1.24E-01	630	2.01E-01	735	1.27E-02
425	1.43E-02	530	1.28E-01	635	1.86E-01	740	1.09E-02
430	2.34E-02	535	1.34E-01	640	1.71E-01	745	9.16E-03
435	3.80E-02	540	1.38E-01	645	1.56E-01	750	8.02E-03
440	6.00E-02	545	1.45E-01	650	1.40E-01	755	6.86E-03
445	9.62E-02	550	1.52E-01	655	1.26E-01	760	5.86E-03
450	1.40E-01	555	1.59E-01	660	1.12E-01	765	5.07E-03
455	1.31E-01	560	1.68E-01	665	9.86E-02	770	4.38E-03
460	9.13E-02	565	1.79E-01	670	8.63E-02	775	3.72E-03
465	7.38E-02	570	1.90E-01	675	7.60E-02	780	3.31E-03
470	5.91E-02	575	2.02E-01	680	6.61E-02		
475	4.53E-02	580	2.14E-01	685	5.77E-02		
480	4.14E-02	585	2.25E-01	690	4.96E-02		

4.0 LM-79 Measurement and Test Results

4.2 Goniophotometer Test

Model No.	SLIM17FA80ADJ @ 80W/3000K	Sample ID.	DLF2510109-D1
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	120.03	60	0.676	80.6	0.994
NON-WORST CASE	277.02	60	0.294	79.2	0.971

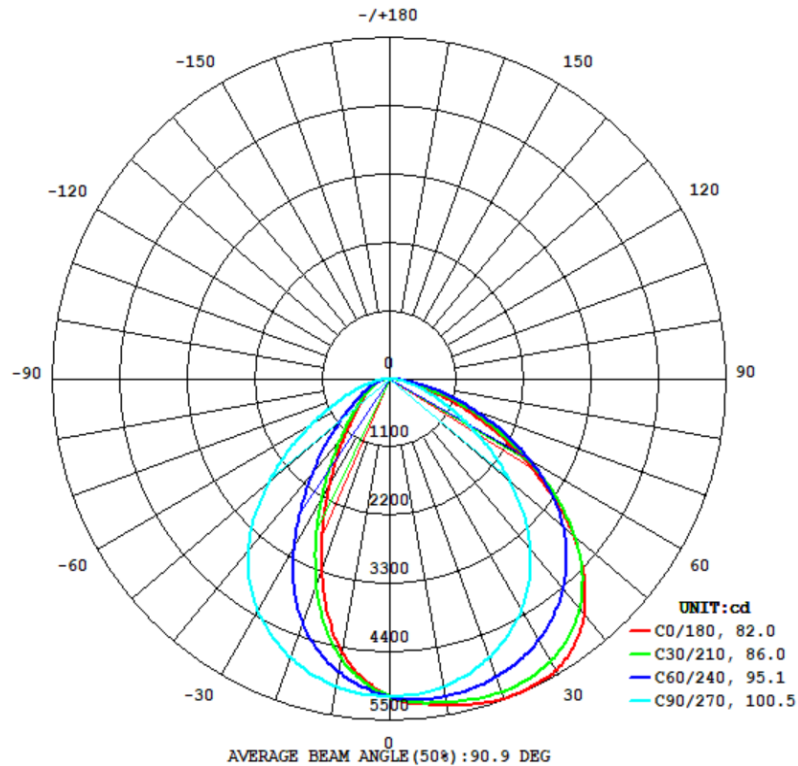
Test Result

Flux (lm)	Field Angle(10%)		Beam Angle(50%)		Luminous Efficacy (lm/W)
	C0-180	C90-270	C0-180	C90-270	
11682	128.7	147.2	82.0	100.5	144.9

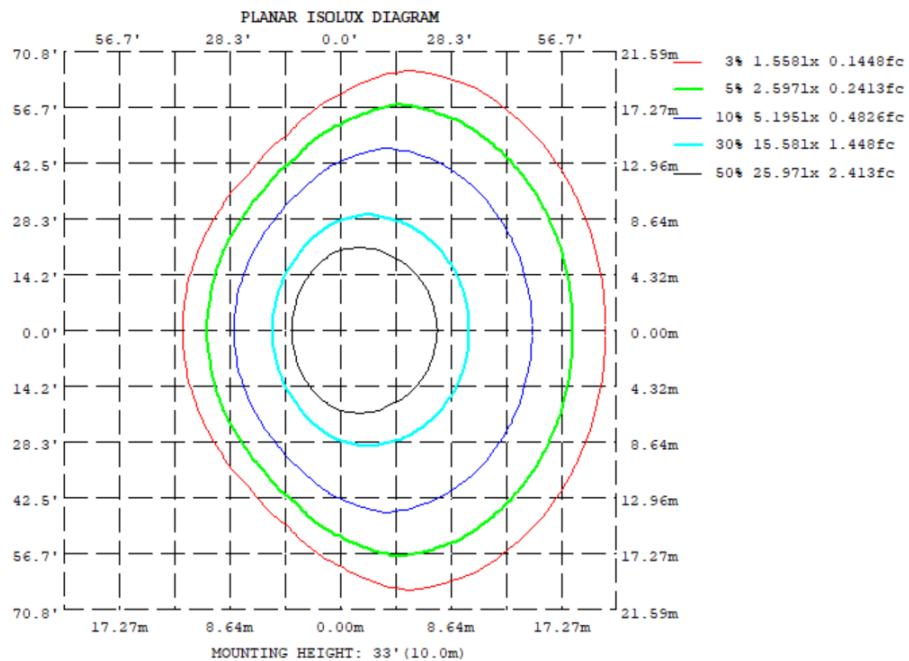
Zonal Lumen Requirement (0°-90°)	Zonal Lumen Requirement (80°-90°)	BUG rating
100.00%	0.70%	B3-U0-G1

4.2 Goniophotometer Test

Light Distribution Curve



Isolux Plot



4.2 Goniophotometer Test

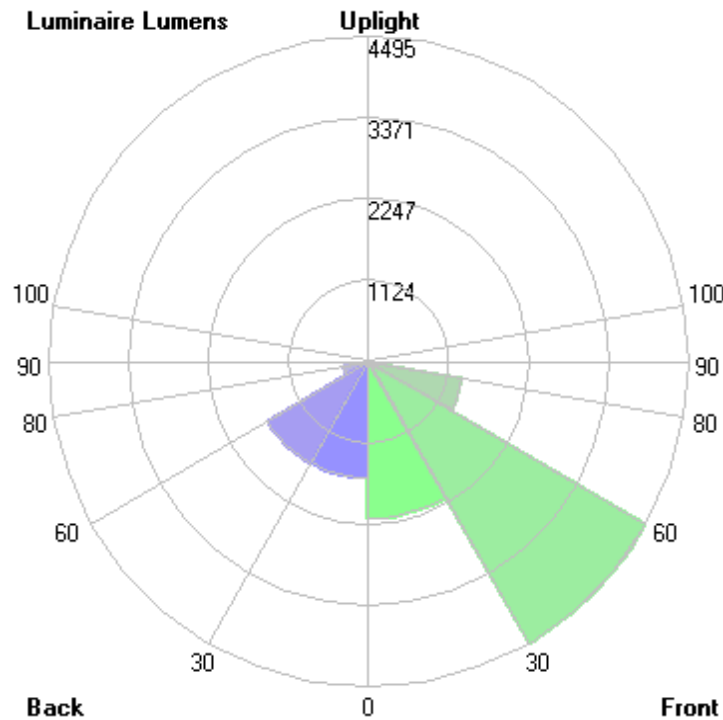
Zonal Lumen Summary

γ	C0	C45	C90	C135	C180	C225	C270	C315
10	5335	5246	5036	4677	4481	4677	5036	5246
20	5478	5244	4769	3817	3254	3817	4769	5244
30	5424	5077	4311	2587	1974	2587	4311	5077
40	4963	4665	3596	1502	1107	1502	3596	4665
50	3918	3894	2588	826.2	643.0	826.2	2588	3894
60	2489	2708	1512	494.6	434.4	494.6	1512	2708
70	1167	1448	716.6	277.0	274.4	277.0	716.6	1448
80	245.5	360.5	225.0	99.35	105.8	99.35	225.0	360.5
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	480.84	0 - 10	480.84	4.12%
10-20	1347.82	0 - 20	1828.66	15.65%
20-30	1954.20	0 - 30	3782.86	32.38%
30-40	2222.76	0 - 40	6005.62	51.41%
40-50	2147.74	0 - 50	8153.36	69.79%
50-60	1761.30	0 - 60	9914.66	84.87%
60-70	1159.50	0 - 70	11074.16	94.79%
70-80	526.65	0 - 80	11600.81	99.30%
80-90	81.66	0 - 90	11682.47	100.00%
90-100	0.00	0 - 100	11682.47	100.00%
100-110	0.00	0 - 110	11682.47	100.00%
110-120	0.00	0 - 120	11682.47	100.00%
120-130	0.00	0 - 130	11682.47	100.00%
130-140	0.00	0 - 140	11682.47	100.00%
140-150	0.00	0 - 150	11682.47	100.00%
150-160	0.00	0 - 160	11682.47	100.00%
160-170	0.00	0 - 170	11682.47	100.00%
170-180	0.00	0 - 180	11682.47	100.00%

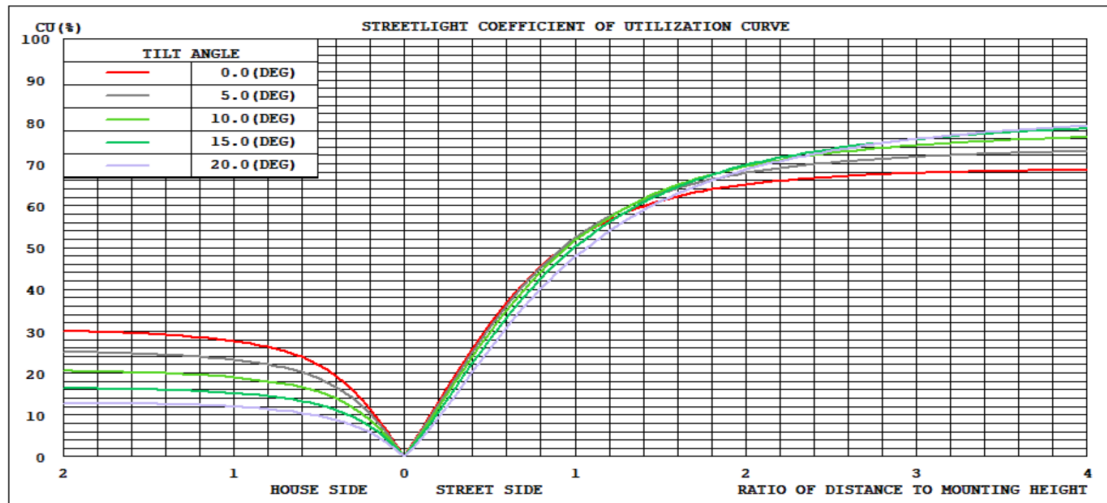
4.2 Goniophotometer Test

LCS/BUG

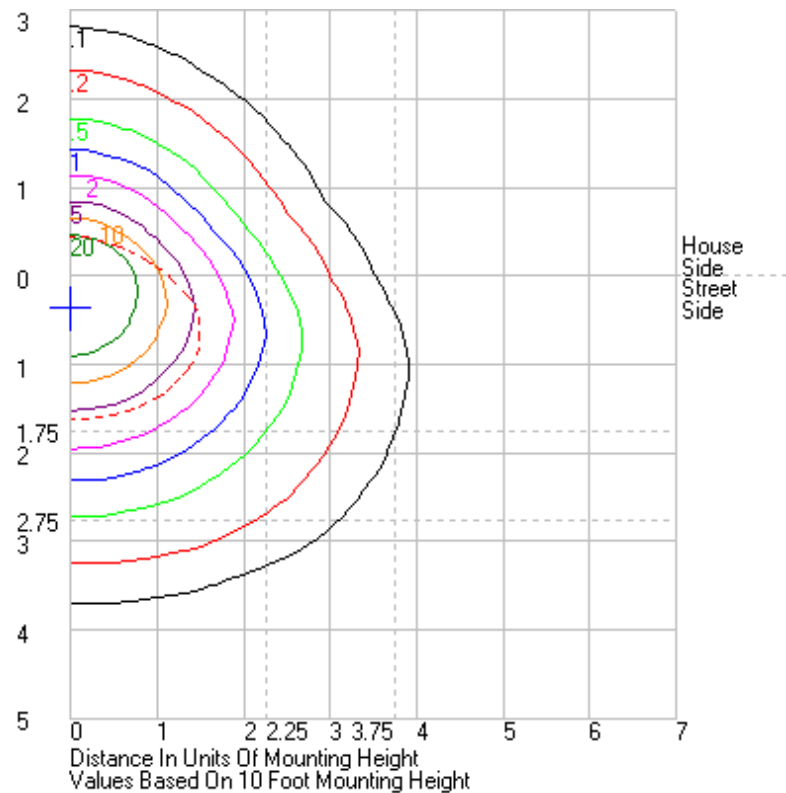


	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2172.4	N.A.	18.6
FM - Front-Medium (30-60)	4494.7	N.A.	38.5
FH - Front-High (60-80)	1337.1	N.A.	11.4
FVH - Front-Very High (80-90)	58.4	N.A.	0.5
BL - Back-Low (0-30)	1610.5	N.A.	13.8
BM - Back-Medium (30-60)	1637.1	N.A.	14.0
BH - Back-High (60-80)	349.1	N.A.	3.0
BVH - Back-Very High (80-90)	23.3	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	11682.6	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	5116.2	5116.2	5116.2	5116.2	5116.2	5116.2	5116.2	5116.2	5116.2	5116.2	5116.2	5116.2	5116.2	5116.2	5116.2	5116.2	5116.2	5116.2	5116.2	5116.2	5116.2	5116.2	5116.2	5116.2	
1	5149	5151.7	5150.1	5138.7	5132.1	5130	5118.4	5100.4	5096.7	5090.9	5078.4	5071.9	5079.2	5071.9	5078.4	5090.9	5096.7	5100.4	5118.4	5130	5132.1	5138.7	5150.1	5151.7	5149
2	5178.4	5183.2	5174	5158	5153.7	5136.9	5110	5091.8	5077.5	5055.9	5036.4	5033.1	5028.8	5033.1	5036.4	5055.9	5077.5	5091.8	5110	5136.9	5153.7	5158	5174	5183.2	5178.4
3	5210.8	5207.4	5191.6	5183.2	5167.1	5136.6	5105.2	5082.4	5051.8	5014.7	4995.4	4983.4	4970.8	4983.4	4995.4	5014.7	5051.8	5082.4	5105.2	5136.6	5167.1	5183.2	5191.6	5207.4	5210.8
4	5235.2	5222.7	5213.6	5201.5	5174.4	5135.2	5105.5	5065.9	5017	4976.3	4951.2	4928.7	4916.1	4928.7	4951.2	4976.3	5017	5065.9	5105.5	5135.2	5174.4	5201.5	5213.6	5222.7	5235.2
5	5253.8	5239.4	5234.6	5213.1	5176.6	5141.4	5100	5043.5	4984	4940.1	4899.9	4866.7	4861.4	4866.7	4899.9	4940.1	4984	5043.5	5100	5141.4	5176.6	5213.1	5234.6	5239.4	5253.8
6	5262.9	5260.6	5247.6	5217.1	5183	5145.5	5089	5017	4955.8	4896.7	4840.3	4804.1	4798.8	4804.1	4840.3	4896.7	4955.8	5017	5089	5145.5	5183	5217.1	5247.6	5260.6	5262.9
7	5277.3	5276.2	5256.3	5222	5192.9	5142.8	5072	4998.3	4923.8	4843.8	4777.4	4742	4724.5	4742	4777.4	4843.8	4923.8	4998.3	5072	5142.8	5192.9	5222	5256.3	5276.2	5277.3
8	5297.9	5289.4	5261.3	5235	5195.6	5133.1	5058.2	4979.3	4885.4	4787.7	4715.8	4668.7	4644.6	4668.7	4715.8	4787.7	4885.4	4979.3	5058.2	5133.1	5195.6	5235	5261.3	5289.4	5297.9
9	5317	5297.8	5274.8	5243	5192.5	5122.5	5049.6	4953.2	4839	4731.8	4651.4	4591.1	4563.6	4591.1	4651.4	4731.8	4839	4953.2	5049.6	5122.5	5192.5	5243	5274.8	5297.8	5317
10	5335	5312.3	5289.9	5246.3	5184.2	5118.6	5036	4920.5	4792.2	4677.3	4578	4501.6	4481.3	4501.6	4578	4677.3	4792.2	4920.5	5036	5118.6	5184.2	5246.3	5289.9	5312.3	5335
11	5344.6	5333.7	5300.8	5243.3	5181.7	5114.2	5016.5	4884.5	4750.2	4616.3	4495.1	4410.7	4386.6	4410.7	4495.1	4616.3	4750.2	4884.5	5016.5	5114.2	5181.7	5243.3	5300.8	5333.7	5344.6
12	5359.2	5351.1	5308.5	5243.5	5183.2	5102.4	4990.1	4853.7	4704.3	4545.5	4405.8	4316.9	4280	4316.9	4405.8	4545.5	4704.3	4853.7	4990.1	5102.4	5183.2	5243.5	5308.5	5351.1	5359.2
13	5383.8	5366.6	5313.6	5252.2	5179.3	5084.1	4966.1	4824.2	4651	4468	4316.5	4210.4	4165.8	4210.4	4316.5	4468	4651	4824.2	4966.1	5084.1	5179.3	5252.2	5313.6	5366.6	5383.8
14	5404.8	5376	5325.6	5258	5170.4	5065	4947.5	4787	4589.4	4390	4221.6	4099.3	4046.6	4099.3	4221.6	4390	4589.4	4787	4947.5	5065	5170.4	5258	5325.6	5376	5404.8
15	5422.1	5390.5	5339.5	5259	5156.4	5052.9	4924.2	4742.7	4526.1	4314.8	4116.4	3975.8	3929.2	3975.8	4116.4	4314.8	4526.1	4742.7	4924.2	5052.9	5156.4	5259	5339.5	5390.5	5422.1
16	5429.5	5409	5348.2	5252.9	5148.2	5040	4896.1	4695.3	4467.2	4225.2	4003.6	3852.6	3800.5	3852.6	4003.6	4225.2	4467.2	4695.3	4896.1	5040	5148.2	5252.9	5348.2	5409	5429.5
17	5438.6	5421.7	5352.1	5248.1	5143.8	5020.5	4860.4	4652	4403.4	4130.1	3884.3	3725.9	3666.3	3725.9	3884.3	4130.1	4403.4	4652	4860.4	5020.5	5143.8	5248.1	5352.1	5421.7	5438.6
18	5456.2	5430	5351.1	5251.3	5134.6	4995.7	4827.8	4610.5	4332.2	4026.1	3765.5	3593.5	3524.5	3593.5	3765.5	4026.1	4332.2	4610.5	4827.8	4995.7	5134.6	5251.3	5351.1	5430	5456.2
19	5469.1	5431.7	5356.4	5249.8	5119.9	4968.3	4800.4	4560.1	4250.6	3919.4	3642.6	3457.7	3390.5	3457.7	3642.6	3919.4	4250.6	4560.1	4800.4	4968.3	5119.9	5249.8	5356.4	5431.7	5469.1
20	5478.5	5436.5	5363.4	5244.3	5099.3	4948.9	4768.8	4504.4	4168.1	3816.5	3513.8	3319.3	3254	3319.3	3513.8	3816.5	4168.1	4504.4	4768.8	4948.9	5099.3	5244.3	5363.4	5436.5	5478.5
21	5475.3	5444.6	5362.9	5229.9	5083	4929.8	4731.5	4444.6	4087.7	3702.1	3380.9	3183.8	3123.2	3183.8	3380.9	3702.1	4087.7	4444.6	4731.5	4929.8	5083	5229.9	5362.9	5444.6	5475.3
22	5472.5	5446.3	5357	5217	5071	4903.5	4687.2	4386.2	4001.9	3583.9	3246.2	3050.8	2982.6	3050.8	3246.2	3583.9	4001.9	4466.2	4687.2	4903.5	5071	5217	5357	5446.3	5472.5
23	5477.9	5443.9	5344.3	5211.4	5054.4	4872.2	4644.7	4330.7	3907.2	3458.3	3117.7	2919.9	2847.1	2919.9	3117.7	3458.3	3907.2	4330.7	4644.7	4872.2	5054.4	5211.4	5344.3	5443.9	5477.9
24	5477.3	5434.1	5337.6	5200.7	5031.6	4837.8	4608.3	4266.2	3804.5	3332	2989.3	2783.8	2713.5	2783.8	2989.3	3332	3804.5	4266.2	4608.3	4837.8	5031.6	5200.7	5337.6	5434.1	5477.3
25	5474.3	5426.4	5333	5185.5	5003.4	4809.9	4566.2	4194.9	3696.8	3211.8	2859.7	2652.4	2585.6	2652.4	2859.7	3211.8	3696.8	4194.9	4566.2	4809.9	5003.4	5185.5	5333	5426.4	5474.3
26	5460.7	5424.2	5322.2	5161.4	4977.9	4783.2	4519.6	4118.1	3593.5	3086.1	2728.3	2523.7	2458.1	2523.7	2728.3	3086.1	3593.5	4118.1	4519.6	4783.2	4977.9	5161.4	5322.2	5424.2	5460.7
27	5450.4	5416.6	5306.4	5137.9	4956.3	4747.2	4464.8	4042.3	3485.1	2961.1	2599.6	2398.3	2328.5	2398.3	2599.6	2961.1	3485.1	4042.3	4464.8	4747.2	4956.3	5137.9	5306.4	5416.6	5450.4
28	5448.1	5405.2	5283.8	5121.1	4931.5	4707.4	4410.8	3968	3370.2	2831.9	2476.3	2275.9	2204.6	2275.9	2476.3	2831.9	3370.2	3968	4410.8	4707.4	4931.5	5121.1	5283.8	5405.2	5448.1
29	5439.3	5386.2	5267.2	5101.7	4898.6	4663.4	4362.9	3884.3	3250.7	2707.4	2357	2155	2082.5	2155	2357	2707.4	3250.7	3884.3	4362.9	4663.4	4898.6	5101.7	5267.2	5386.2	5439.3
30	5423.8	5366.3	5252.2	5076.7	4860.6	4624.8	4310.5	3795.2	3127.7	2587.1	2237.6	2036.8	1973.6	2036.8	2237.6	2587.1	3127.7	3795.2	4310.5	4624.8	4860.6	5076.7	5252.2	5366.3	5423.8
31	5395.6	5348.9	5228.3	5042.9	4824.4	4588.3	4250.2	3697.9	3011.4	2467	2120.7	1927.2	1867.1	1927.2	2120.7	2467	3011.4	3697.9	4250.2	4588.3	4824.4	5042.9	5228.3	5348.9	5395.6
32	5364.4	5324.7	5199.7	5008.5	4792.5	4543.8	4185.5	3603.1	2892.5	2348.2	2006	1823	1761.8	1823	2006	2348.2	2892.5	3603.1	4185.5	4543.8	4792.5	5008.5	5199.7	5324.7	5364.4
33	5336.9	5293.5	5161.5	4979.6	4756.6	4493.5	4118.2	3506.3	2770.3	2227.4	1895.8	1719.2	1659.9	1719.2	1895.8	2227.4	2770.3	3506.3	4118.2	4493.5	4756.6	4979.6	5161.5	5293.5	5336.9
34	5302.5	5253.2	5129	4947.7	4713.5	4440.4	4056.1	3403.5	2647.4	2113.8	1795.5	1622.9	1565.9	1622.9	1795.5	2113.8	2647.4	3403.5	4056.1	4440.4	4713.5	4947.7	5129	5253.2	5302.5
35	5259.1	5209.3	5097.5	4908.7	4665.5	4392.3	3990.3	3294.3	2523.9	2006.2	1694.2	1527.8	1478.3	1527.8	1694.2	2006.2	2523.9	3294.3	3990.3	4392.3	4665.5	4908.7	5097.5	5209.3	5259.1
36	5201.3	5166.2	5054.8	4861.8	4617.7	4344.4	3916.9	3179.8	2407	1897.5	1596.9	1440.4	1402.5	1440.4	1596.9	1897.5	2407	3179.8	3916.9	4344.4	4617.7	4861.8	5054.8	5166.2	5201.3
37	5143.4	5117.6	5007.6	4813.3	4575.2	4290.4	3836.9	3066.1	2293.4	1793.9	1503.1	1361.9	1326.7	1361.9	1503.1	1793.9	2293.4	3066.1	3836.9	4290.4	4575.2	4813.3	5007.6	5117.6	5143.4
38	5089.2	5060.9	4950.7	4767.1	4528.2	4231	3756.7	2954.2	2179.1	1691	1419.4	1284.4	1251.2	1284.4	1419.4	1691	2179.1	2954.2	3756.7	4231	4528.2	4767.1	4950.7	5060.9	5089.2
39	5030.5	4995.4	4895.5	4721.7	4474.8	4167.1	3677.9	2838.7	2064.9	1592.7	1340.3	1211.5	1177	1211.5	1340.3	1592.7	2064.9	2838.7	3677.9	4167.1	4474.8	4721.7	4895.5	4995.4	5030.5
40	4963	4925.9	4842.4	4665	4413.4	4108.1	3595.7	2718	1954.8	1502.3	1261.8	1140.2	1107	1140.2	1261.8	1502.3	1954.8	2718	3595.7	4108.1	4413.4	4665	4842.4	4925.9	4963
41	4877.1	4855	4779.4	4602.1	4354.3	4049.5	3507.3	2597.3	1849.9	1417.9	1187.8	1071.6	1041.5	1071.6	1187.8	1417.9	1849.9	2597.3	3507.3	4049.5	4354.3	4602.1	4779.4	4855	4877.1
42	4786.6	4777.6	4708.5	4535.9	4298.8	3984.4	3411.7	2478.3	1749.3																

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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.	SLIM17FA80ADJ @ 80W/3000K	Sample ID.	DLF2510109-D1
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
119.97	60	0.675	80.5	0.994	11.34%
277.00	60	0.294	79.1	0.971	9.79%

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*****