

Photometric Test Report

Relevant Standards

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

Prepared For

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DLF2510109

Report Number

DLF2510109-5a

Test Date

2025/10/20

Issue Date

2025/10/21

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Kevin Jia

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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		12364
Minimum Luminaire Efficacy (lm/W) (Goniophotometer - Section 4.2)	IES LM-79-2019	Standard 105	Premium 120	158.3
Power (Input Wattage) (W) (Goniophotometer - Section 4.2)	IES LM-79-2019	Worst Case		78.1
Total Harmonic Distortion (A%) (THD & PF - section 4.3)	ANSI C82.77-10: 2014	20.00%	120V	10.92%
		20.00%	277V	10.35%
Power Factor (THD & PF - section 4.3)	ANSI C82.77-10: 2014	0.9	120V	0.994
		0.9	277V	0.969
Allowable CCTs* (K) (Integrating Sphere - Section 4.1)	IES LM-79-2019	7 step	3985±275	3914
		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%		0.68%
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		0.655
(Goniophotometer - Section 4.2)		Non-Worst Case		0.286
Power (Input Wattage - W)				
(Goniophotometer - Section 4.2)	IES LM-79-2019	Worst Case		78.1
(Goniophotometer - Section 4.2)		Non-Worst Case		76.9

2.0 Test List

Test Item	Test	Test Date	Model Number	Build Level	Sample No.
1	Integrating Sphere Test	2025/10/20	SLIM17FA80ADJ @ 80W/4000K	N/A	DLF2510109-E1
2	Goniophotometer Test	2025/10/20	SLIM17FA80ADJ @ 80W/4000K	N/A	DLF2510109-E1
3	THD and PF Test	2025/10/20	SLIM17FA80ADJ @ 80W/4000K	N/A	DLF2510109-E1

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/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.	SLIM17FA80ADJ @ 80W/4000K	Sample ID.	DLF2510109-E1
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	0.653	77.9	0.994
277.00	60	0.286	76.7	0.969

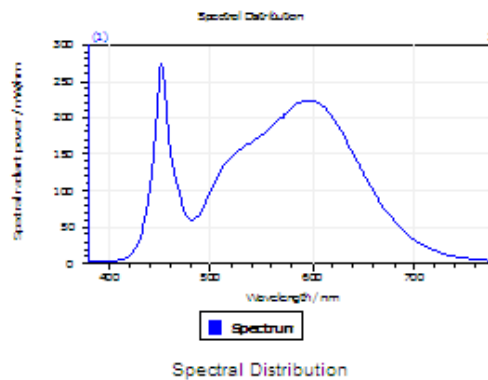
Test Result

CCT (K)	CRI	R9	Duv
3914	85	18	-0.0023

Rf	Rg	IES Rcs,h1
84	97	-11%

4.1 Integrating Sphere Test

Results

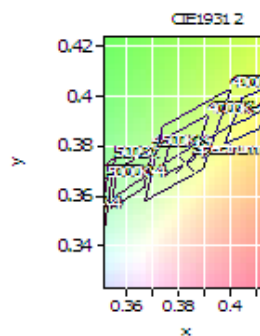


Spectral values

DominantWavelength 580.68 nm
Purity 0.269
PeakWavelength 451.80 nm
Radiant Power 39.76 W
Width50%:

Color Coordinates

Correlated Color Temperat 3914 K
x: 0.3826 u: 0.2279 u': 0.2279
y: 0.3793 v: 0.3936 v': 0.5004
CRI01 83.5 CRI09 17.9
CRI02 90.4 CRI10 76.6
CRI03 94.5 CRI11 82.7
CRI04 83.6 CRI12 63.7
CRI05 83.6 CRI13 85.2
CRI06 86.5 CRI14 97.0
CRI07 86.3 CRI15 78.2
CRI08 67.4 CRI16 76.1
ResultsCRI 84.5



PlanckDistance 2.3E-003

4.1 Integrating Sphere Test - TM-30

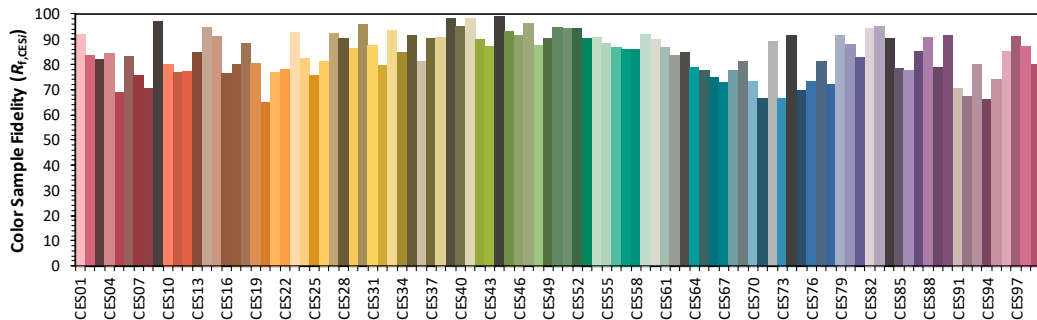
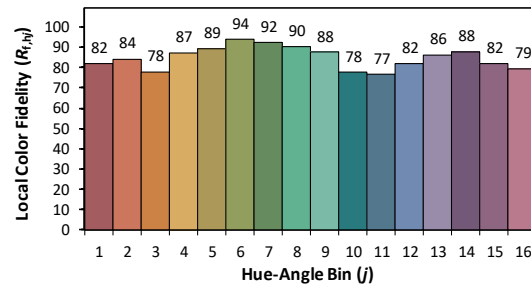
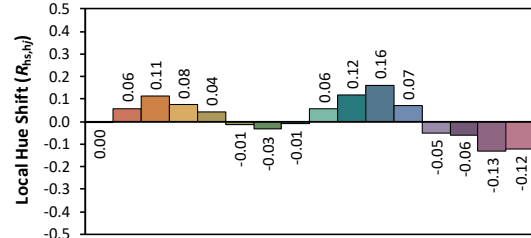
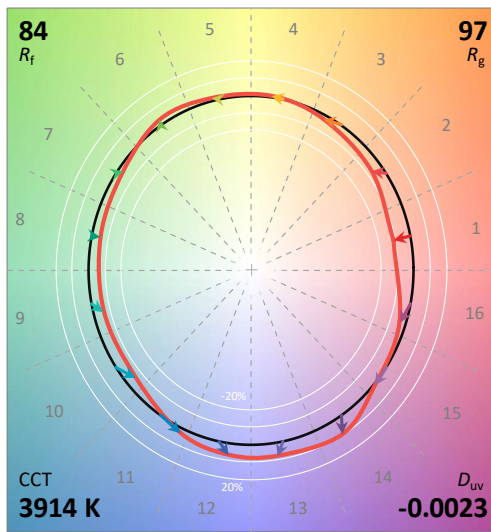
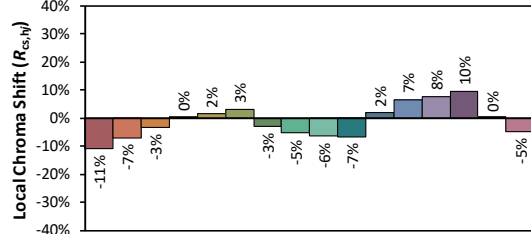
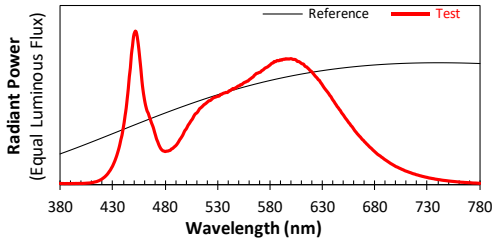
IES TM-30-18 Color Rendition Report

Source: DLF2510109-5a

Manufacturer: RAB Lighting Inc.

Date: 2025/10/20

Model: SLIM17FA80ADJ @ 80W/4000K



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

x 0.3826
 y 0.3733
 u' 0.2279
 v' 0.5004

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	2.63E-03	485	6.16E-02	590	2.22E-01	695	3.81E-02
385	2.47E-03	490	6.94E-02	595	2.24E-01	700	3.26E-02
390	2.52E-03	495	8.29E-02	600	2.24E-01	705	2.83E-02
395	2.79E-03	500	9.90E-02	605	2.21E-01	710	2.43E-02
400	2.75E-03	505	1.15E-01	610	2.16E-01	715	2.09E-02
405	3.18E-03	510	1.28E-01	615	2.09E-01	720	1.80E-02
410	4.03E-03	515	1.39E-01	620	2.00E-01	725	1.54E-02
415	6.16E-03	520	1.47E-01	625	1.90E-01	730	1.32E-02
420	1.07E-02	525	1.53E-01	630	1.77E-01	735	1.14E-02
425	1.90E-02	530	1.57E-01	635	1.64E-01	740	9.68E-03
430	3.34E-02	535	1.62E-01	640	1.50E-01	745	8.28E-03
435	5.82E-02	540	1.65E-01	645	1.37E-01	750	7.15E-03
440	9.91E-02	545	1.71E-01	650	1.24E-01	755	6.19E-03
445	1.71E-01	550	1.76E-01	655	1.11E-01	760	5.32E-03
450	2.63E-01	555	1.81E-01	660	9.84E-02	765	4.55E-03
455	2.42E-01	560	1.87E-01	665	8.70E-02	770	4.03E-03
460	1.56E-01	565	1.95E-01	670	7.67E-02	775	3.44E-03
465	1.22E-01	570	2.00E-01	675	6.73E-02	780	2.91E-03
470	9.40E-02	575	2.07E-01	680	5.86E-02		
475	6.79E-02	580	2.13E-01	685	5.14E-02		
480	5.94E-02	585	2.19E-01	690	4.44E-02		

4.0 LM-79 Measurement and Test Results

4.2 Goniophotometer Test

Model No.	SLIM17FA80ADJ @ 80W/4000K	Sample ID.	DLF2510109-E1
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	120.04	60	0.655	78.1	0.994
NON-WORST CASE	277.03	60	0.286	76.9	0.969

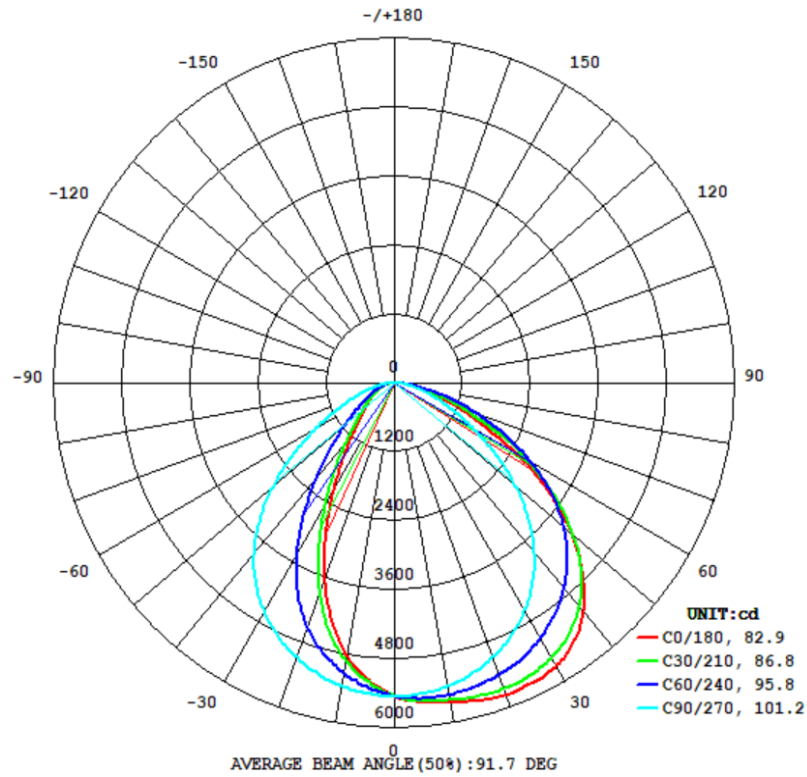
Test Result

Flux (lm)	Field Angle(10%)		Beam Angle(50%)		Luminous Efficacy (lm/W)
	C0-180	C90-270	C0-180	C90-270	
12364	129.2	147.5	82.9	101.2	158.3

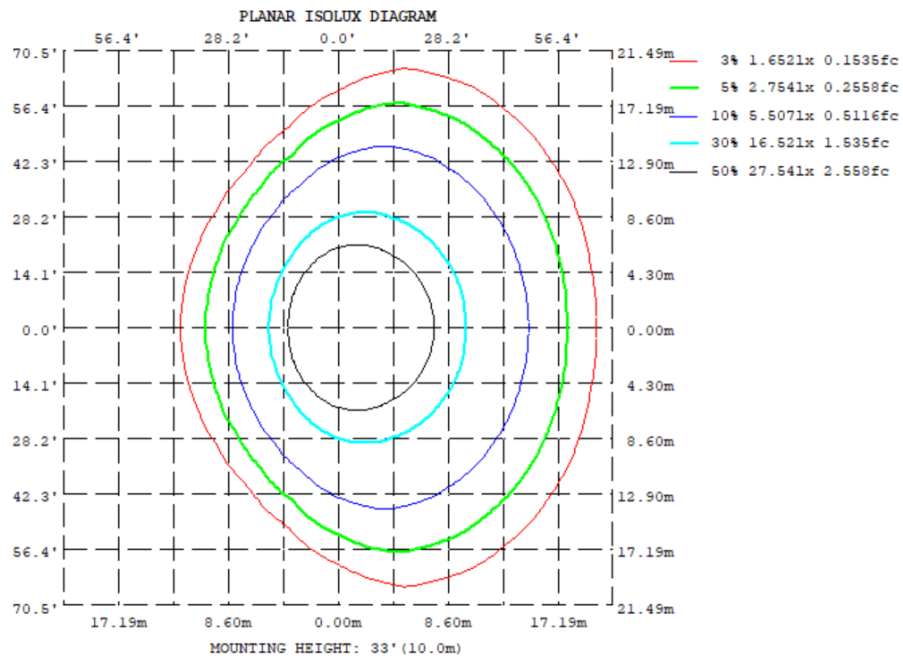
Zonal Lumen Requirement (0°-90°)	Zonal Lumen Requirement (80°-90°)	BUG rating
100.00%	0.68%	B3-U0-G1

4.2 Goniophotometer Test

Light Distrubtion Curve



Isolux Plot



4.2 Goniophotometer Test

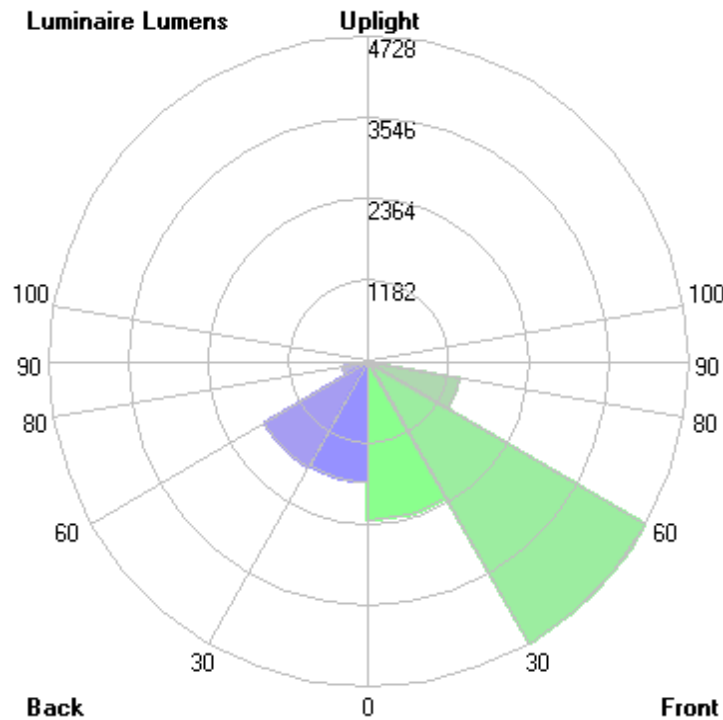
Zonal Lumen Summary

γ	C0	C45	C90	C135	C180	C225	C270	C315
10	5637	5554	5350	5015	4830	5015	5350	5554
20	5768	5533	5069	4167	3610	4167	5069	5533
30	5692	5343	4591	2872	2165	2872	4591	5343
40	5193	4898	3848	1642	1155	1642	3848	4898
50	4086	4074	2796	875.8	680.6	875.8	2796	4074
60	2531	2824	1646	521.2	468.6	521.2	1646	2824
70	1098	1447	778.1	296.2	300.1	296.2	778.1	1447
80	217.3	385.0	241.9	106.9	120.2	106.9	241.9	385.0
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	512.07	0 - 10	512.07	4.14%
10-20	1439.55	0 - 20	1951.62	15.78%
20-30	2091.86	0 - 30	4043.48	32.70%
30-40	2368.66	0 - 40	6412.14	51.86%
40-50	2275.86	0 - 50	8688.00	70.27%
50-60	1858.15	0 - 60	10546.15	85.30%
60-70	1198.28	0 - 70	11744.43	94.99%
70-80	536.17	0 - 80	12280.60	99.32%
80-90	83.61	0 - 90	12364.21	100.00%
90-100	0.00	0 - 100	12364.21	100.00%
100-110	0.00	0 - 110	12364.21	100.00%
110-120	0.00	0 - 120	12364.21	100.00%
120-130	0.00	0 - 130	12364.21	100.00%
130-140	0.00	0 - 140	12364.21	100.00%
140-150	0.00	0 - 150	12364.21	100.00%
150-160	0.00	0 - 160	12364.21	100.00%
160-170	0.00	0 - 170	12364.21	100.00%
170-180	0.00	0 - 180	12364.21	100.00%

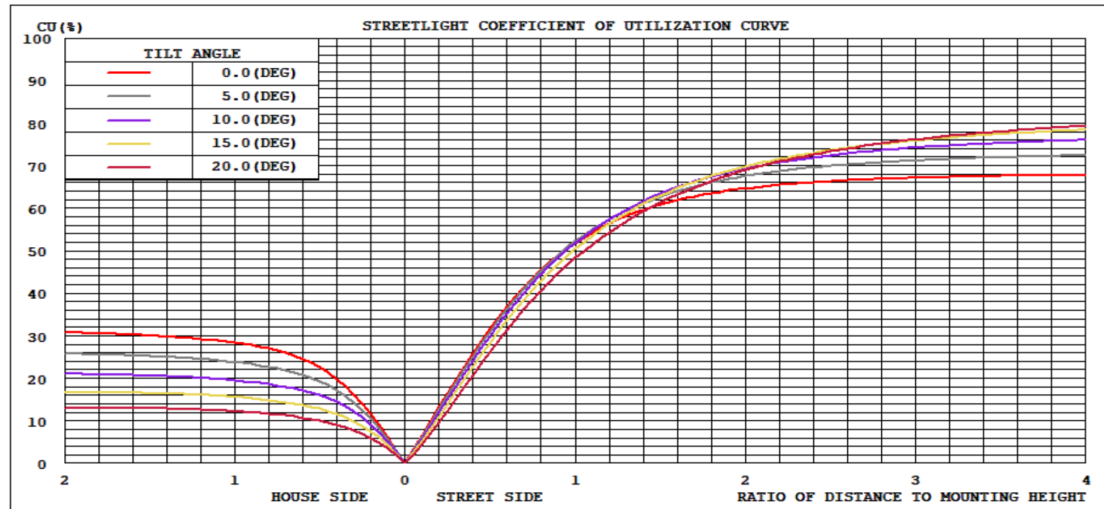
4.2 Goniophotometer Test

LCS/BUG

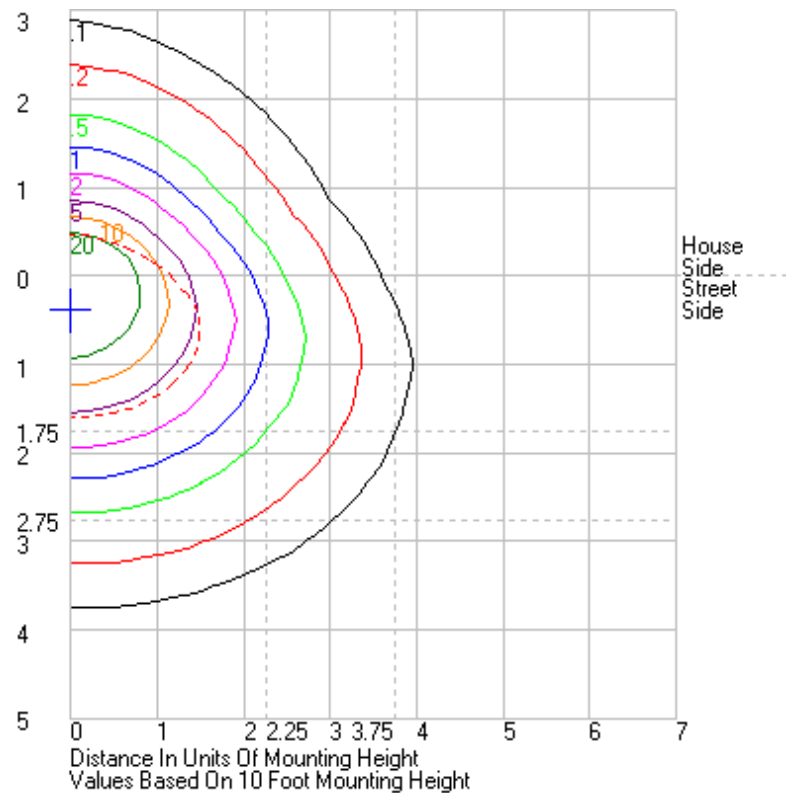


	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2297.2	N.A.	18.6
FM - Front-Medium (30-60)	4727.6	N.A.	38.2
FH - Front-High (60-80)	1357.9	N.A.	11.0
FVH - Front-Very High (80-90)	58.0	N.A.	0.5
BL - Back-Low (0-30)	1746.3	N.A.	14.1
BM - Back-Medium (30-60)	1775.1	N.A.	14.4
BH - Back-High (60-80)	376.5	N.A.	3.0
BVH - Back-Very High (80-90)	25.6	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	12364.2	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	5446	5446	5446	5446	5446	5446	5446	5446	5446	5446	5446	5446	5446	5446	5446	5446	5446	5446	5446	5446	5446	5446	5446	5446	5446
1	5485.4	5475.1	5472.1	5475	5466.4	5449.4	5443.8	5441.1	5428.2	5411.6	5411.8	5410.9	5403.3	5410.9	5411.8	5411.6	5428.2	5441.1	5443.8	5449.4	5466.4	5475	5472.1	5475.1	5485.4
2	5514.3	5501.8	5505.2	5496.1	5474.5	5458.5	5447.5	5427	5399.4	5384.5	5376.3	5364.4	5357.5	5364.4	5376.3	5384.5	5399.4	5427	5447.5	5458.5	5474.5	5496.1	5505.2	5501.8	5514.3
3	5530.4	5531.6	5526.2	5507.3	5484.8	5468.9	5443.2	5406.6	5374.8	5355.5	5332.7	5308.9	5313.4	5308.9	5332.7	5355.5	5374.8	5406.6	5443.2	5468.9	5484.8	5507.3	5526.2	5531.6	5530.4
4	5548.9	5552.6	5540.1	5516.3	5500.5	5473.1	5431.8	5386.2	5353.5	5316.4	5278.5	5257.8	5260.6	5257.8	5278.5	5316.4	5353.5	5386.2	5431.8	5473.1	5500.5	5516.3	5540.1	5552.6	5548.9
5	5569.4	5567	5546.6	5532.3	5509.8	5470	5417.5	5373.8	5324.8	5270.7	5225.1	5207.4	5199.4	5207.4	5225.1	5270.7	5324.8	5373.8	5417.5	5470	5509.8	5532.3	5546.6	5567	5569.4
6	5585.8	5573	5559.2	5545.5	5513.3	5461.7	5412.5	5357.2	5290	5219.9	5176.9	5148.1	5131.3	5148.1	5176.9	5219.9	5290	5357.2	5412.5	5461.7	5513.3	5545.5	5559.2	5573	5585.8
7	5597.7	5581.7	5574.6	5550.9	5508.1	5460.3	5406.8	5333.5	5247.8	5175.7	5121.9	5079.2	5061	5079.2	5121.9	5175.7	5247.8	5333.5	5406.8	5460.3	5508.1	5550.9	5574.6	5581.7	5597.7
8	5603.8	5600.4	5584	5549	5505.6	5460.4	5393.3	5302.6	5209.9	5131.9	5060	5003.4	4995.6	5003.4	5060	5131.9	5209.9	5302.6	5393.3	5460.4	5505.6	5549	5584	5600.4	5603.8
9	5615.8	5616	5589.4	5546.1	5509.9	5454.8	5373.4	5272.2	5175.7	5077.3	4986.7	4927.7	4918.7	4927.7	4986.7	5077.3	5175.7	5272.2	5373.4	5454.8	5509.9	5546.1	5589.4	5616	5615.8
10	5637.1	5628.4	5590.9	5553.7	5509.2	5442	5349.6	5248.6	5134.1	5015	4910.9	4852.2	4830.2	4852.2	4910.9	5015	5134.1	5248.6	5349.6	5442	5509.2	5553.7	5590.9	5628.4	5637.1
11	5656.1	5636.8	5600.7	5561.3	5504.2	5424.1	5335.4	5222.3	5085.9	4946.4	4838.3	4765	4733	4765	4838.3	4946.4	5085.9	5222.3	5335.4	5424.1	5504.2	5561.3	5600.7	5636.8	5656.1
12	5671.8	5646.9	5617.1	5562.3	5490.5	5412.1	5319	5187.9	5030.9	4883.1	4759.3	4667	4630.4	4667	4759.3	4883.1	5030.9	5187.9	5319	5412.1	5490.5	5562.3	5617.1	5646.9	5671.8
13	5681.8	5668.9	5627.5	5558.1	5479.6	5403.4	5296.5	5145.7	4977.3	4817.4	4669.5	4559	4531.6	4559	4669.5	4817.4	4977.3	5145.7	5296.5	5403.4	5479.6	5558.1	5627.5	5668.9	5681.8
14	5696.2	5686.9	5633.5	5552.5	5477.8	5389.5	5266.4	5102.8	4926.9	4742.5	4567.7	4449.8	4418.7	4449.8	4567.7	4742.5	4926.9	5102.8	5266.4	5389.5	5477.8	5552.5	5633.5	5686.9	5696.2
15	5718	5699.6	5633.9	5556.7	5471.1	5368.6	5232.5	5067.2	4869.7	4657.3	4462.8	4339.2	4295.4	4339.2	4462.8	4657.3	4869.7	5067.2	5232.5	5368.6	5471.1	5556.7	5633.9	5699.6	5718
16	5734.2	5705.4	5641.1	5561.7	5460.3	5342.2	5207.7	5029.6	4805.8	4565.6	4359.3	4217.6	4163.3	4217.6	4359.3	4565.6	4805.8	5029.6	5207.7	5342.2	5460.3	5561.7	5641.1	5705.4	5734.2
17	5746.9	5711.3	5650.1	5558.7	5441.3	5321.6	5181.9	4983	4732.3	4475.7	4247.6	4088.1	4027.6	4088.1	4247.6	4475.7	4732.3	4983	5181.9	5321.6	5441.3	5558.7	5650.1	5711.3	5746.9
18	5748.8	5725.6	5655.1	5549.5	5424	5305.4	5150.6	4930	4660.3	4381.7	4125.9	3946.7	3892.7	3946.7	4125.9	4381.7	4660.3	4930	5150.6	5305.4	5424	5549.5	5655.1	5725.6	5748.8
19	5756	5736.9	5657.6	5536.3	5415.8	5284.2	5110.8	4874	4590.1	4279	3995.1	3807.8	3755.3	3807.8	3995.1	4279	4590.1	4874	5110.8	5284.2	5415.8	5536.3	5657.6	5736.9	5756
20	5768.1	5741.6	5649.7	5532.7	5403.4	5256.4	5068.6	4826	4512.5	4166.7	3860.2	3671	3610.1	3671	3860.2	4166.7	4512.5	4826	5068.6	5256.4	5403.4	5532.7	5649.7	5741.6	5768.1
21	5774.1	5736.8	5647.2	5529.6	5385.8	5223.9	5034.7	4774.5	4428.4	4047.1	3729.3	3529.6	3460.6	3529.6	3729.3	4047.1	4428.4	4774.5	5034.7	5223.9	5385.8	5529.6	5647.2	5736.8	5774.1
22	5772.2	5730.1	5649.5	5517.8	5359.6	5194.6	4999.3	4714.1	4333.4	3928.4	3594.5	3383.8	3310.9	3383.8	3594.5	3928.4	4333.4	4714.1	4999.3	5194.6	5359.6	5517.8	5649.5	5730.1	5772.2
23	5758.6	5730.2	5644.8	5499.9	5334.2	5171.1	4958.8	4647	4237.6	3809.6	3454.3	3232.7	3166.9	3232.7	3454.3	3809.6	4237.6	4647	4958.8	5171.1	5334.2	5499.9	5644.8	5730.2	5758.6
24	5752.1	5727.3	5633	5477	5317.6	5142.4	4910	4576.3	4144.5	3681.1	3309.8	3086.7	3022.2	3086.7	3309.8	3681.1	4144.5	4576.3	4910	5142.4	5317.6	5477	5633	5727.3	5752.1
25	5748.9	5717.8	5612.9	5463	5296.3	5106.5	4858	4511.2	4042.3	3546.8	3165.6	2944	2872.9	2944	3165.6	3546.8	4042.3	4511.2	4858	5106.5	5296.3	5463	5612.9	5717.8	5748.9
26	5745.6	5703	5598	5450.6	5270.8	5064.4	4812.4	4443.2	3933.8	3410.6	3025.9	2799.6	2723.2	2799.6	3025.9	3410.6	3933.8	4443.2	4812.4	5064.4	5270.8	5450.6	5598	5703	5745.6
27	5740.5	5686.8	5587.8	5428.9	5235.2	5027.5	4766.1	4365.8	3814.8	3276.4	2888	2656.5	2578.1	2656.5	2888	3276.4	3814.8	4365.8	4766.1	5027.5	5235.2	5428.9	5587.8	5686.8	5740.5
28	5722.6	5678.7	5570.2	5401.3	5200.5	4993.3	4713.6	4279.6	3694.1	3143.4	2747.6	2510.2	2435.7	2510.2	2747.6	3143.4	3694.1	4279.6	4713.6	4993.3	5200.5	5401.3	5570.2	5678.7	5722.6
29	5703.3	5667.9	5548.5	5368.6	5172.2	4954.8	4654.1	4190.5	3578.6	3009.9	2608.1	2371.2	2298.8	2371.2	2608.1	3009.9	3578.6	4190.5	4654.1	4954.8	5172.2	5368.6	5548.5	5667.9	5703.3
30	5692.3	5648.7	5516.6	5343.4	5141.6	4909.4	4590.7	4105.5	3455.5	2871.7	2468.1	2237.7	2165.5	2237.7	2468.1	2871.7	3455.5	4105.5	4590.7	4909.4	5141.6	5343.4	5516.6	5648.7	5692.3
31	5671.4	5620.3	5488.4	5319	5103.1	4857.7	4531.3	4015.7	3328	2733	2337.9	2109.2	2034.4	2109.2	2337.9	2733	3328	4015.7	4531.3	4857.7	5103.1	5319	5488.4	5620.3	5671.4
32	5644.7	5587.4	5465	5285.7	5058.1	4810.4	4473.2	3917.1	3196.4	2601.3	2211.1	1984.9	1911.6	1984.9	2211.1	2601.3	3196.4	3917.1	4473.2	4810.4	5058.1	5285.7	5465	5587.4	5644.7
33	5600.8	5557.4	5434	5244.7	5012.8	4766.4	4407.2	3811.1	3062.9	2471.7	2083.5	1861.6	1794.4	1861.6	2083.5	2471.7	3062.9	3811.1	4407.2	4766.4	5012.8	5244.7	5434	5557.4	5600.8
34	5552.7	5524.3	5395.9	5199.2	4973	4717.7	4334.5	3699.7	2934.6	2345.4	1960.8	1746.3	1685.2	1746.3	1960.8	2345.4	2934.6	3699.7	4334.5	4717.7	4973	5199.2	5395.9	5524.3	5552.7
35	5512.3	5478.9	5347.9	5159.8	4933.2	4662.9	4258.7	3593.2	2808.3	2217.6	1841.8	1637.6	1576.8	1637.6	1841.8	2217.6	2808.3	3593.2	4258.7	4662.9	4933.2	5159.8	5347.9	5478.9	5512.3
36	5460.9	5424.3	5300	5119.2	4882.8	4601.3	4182.9	3482.1	2675.6	2092.1	1730.4	1535.4	1478.4	1535.4	1730.4	2092.1	2675.6	3482.1	4182.9	4601.3	4882.8	5119.2	5300	5424.3	5460.9
37	5408.2	5364.4	5256.8	5072	4827.8	4542	4109.6	3364.8	2544.2	1972.7	1624.5	1440.1	1394.7	1440.1	1624.5	1972.7	2544.2	3364.8	4109.6	4542	4827.8	5072	5256.8	5364.4	5408.2
38	5336.6	5307.9	5205.6	5017.1	4770.9	4487.2	4029	3239.8	2415.8	1860	1522.5	1352.3	1311.1	1352.3	1522.5	1860	2415.8	3239.8	4029	4487.2	4770.9	5017.1	5205.6	5307.9	5336.6
39	5265.8	5247.2	5144.8	4954.6	4718.1	4428	3940.9	3113	2291.7	1750	1428	1267.4	1232.2	1267.4	1428	1750	2291.7	3113	3940.9	4428	4718.1	4954.6	5144.8	5247.2	5265.8
40	5192.7	5172.3	5075.1	4897.7	4664.7	4361.9	3848	2990.1	2171.8	1642.1	1339.6	1190.4	1154.5	1190.4	1339.6	1642.1	2171.8	2990.1	3848	4361.9	4664.7	4897.7	5075.1	5172.3	5192.7
41	5112.4	5088.6	5004.4	4839.7	4602.4	4290.8	3756.5	2866.6	2053.5	1538.9	1257.4	1117.2	1083.8	1117.2	1257.4	1538.9	2053.5	2866.6	3756.5	4290.8	4602.4	4839.7	5004.4	5088.6	5112.4
42	5019.2	4996.5	4936.2	4773.8	4533.1	4219.7	3666.3	2739.9	1935.3	1446.4	118														

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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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

4.0 LM-79 Measurement and Test Results

4.3 THD and PF Test

Model No.	SLIM17FA80ADJ @ 80W/4000K	Sample ID.	DLF2510109-E1
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	0.653	77.9	0.994	10.92%
277.00	60	0.286	76.7	0.969	10.35%

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*****