



Photometric Test Report

Relevant Standards

- IES LM-79-2008
- ANSI C82.77-10-2014
- UL1598-2008

Prepared For

Beyond LED Technology

1939 Parker Court, Stone Mountain, GA 30087

Test Laboratory: UL Verification Services (Guangzhou) Co., Ltd.

Test Laboratory Address: Building A1, 1F-3F, Nansha Science and Technology Innovation Center, No. 25,
South Huanshi Avenue, Nansha District, Guangzhou 511458, China

Catalog Number

ZPS-ZD667-150W.V-T-E-D-J-P-S-M-C-L

Project Number

4789387809

Report Number

4789387809-3a

Test Date

3/3/2020 - 3/5/2020

Issue Date

5/26/2020

Revision Date

N/A

Prepared By

Dendi Lin

Approved By

Susie Shao

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 Underwriters Laboratories.

This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.



1.0 Test Summary

DL1Technical Requirements v5.1- issued 2020-02-14

Requirement Category	Test Method	Requirements	Test value
Minimum Light Output (lm)	IES LM-79-2008	≥1000	19055.2
Zonal Lumen Requirement (0°-90°)	IES LM-79-2008	≥99%	99.8%
Zonal Lumen Requirement (80°-90°)	IES LM-79-2009	≤13%	1.1%
Minimum Luminaire Efficacy (lm/W)	IES LM-79-2008	≥105	131.01
Allowable CCTs (4000K)	IES LM-79-2008 ANSI C78.377-2017	3985 ± 275	3995
IES Rf (4000K)	IES LM-79-2008 ANSI/IES TM-30-18	≥70	78
IES Rg (4000K)	IES LM-79-2008 ANSI/IES TM-30-18	≥89	94
Allowable Rcs,h1 (4000K)	IES LM-79-2008 ANSI/IES TM-30-18	-18% ≤ IES Rcs,h1 ≤ +23%	-15%
Allowable CCTs (5000K)	IES LM-79-2008 ANSI C78.377-2017	5029 ± 283	5176
IES Rf (5000K)	IES LM-79-2008 ANSI/IES TM-30-18	≥70	74
IES Rg (5000K)	IES LM-79-2008 ANSI/IES TM-30-18	≥89	94
Allowable Rcs,h1 (5000K)	IES LM-79-2008 ANSI/IES TM-30-18	-18% ≤ IES Rcs,h1 ≤ +23%	-18%
Minimum CRI	IES LM-79-2008 CIE 13.3-1995	≥70	73.3
Minimum R9	IES LM-79-2008 CIE 13.3-1995	≥40	30
L70 Lumen maintenance (hours)	N/A	≥50000	≥50000
Power Factor	ANSI C82.77-10-2014	≥0.87	0.929
Total Harmonic Distortion (A%)	ANSI C82.77-10-2014	≤20%	5.23%
In-Situ Temperature Measurement Test for LED (°C)	UL1598-2008	≤105	92.0
In-Situ Temperature Measurement Test for LED Driver (°C)	UL1598-2008	≤90	67.3
Minimum Luminaire Warranty (years)	N/A	5	5



2.0 Test List

Test Item	Test	Sample ID	Sample Received Date	Test Date	Model Number	Tests Conducted By
1	Integrating Sphere Test for the Lower CCT	2903616	2/24/2020	3/3/2020	ZPS-ZD667-150W.V2-40K-E3-D2-SP-B-T3	Howie Wang
2	Integrating Sphere Test for the Higher CCT	2903617	2/24/2020	3/3/2020	ZPS-ZD667-150W.V2-50K-E3-D2-SP-B-T3	Howie Wang
3	Goniophotometer Test	2903616	2/24/2020	3/5/2020	ZPS-ZD667-150W.V2-40K-E3-D2-SP-B-T3	Howie Wang
4	THD and PF Test	2903616	2/24/2020	3/4/2020	ZPS-ZD667-150W.V2-40K-E3-D2-SP-B-T3	Howie Wang
5	In-Situ Temperature Measurement Test	2903616	2/24/2020	3/4/2020	ZPS-ZD667-150W.V2-40K-E3-D2-SP-B-T3	Howie Wang

Remark (if any)

1. UL test equipment information is recorded on Meter Use in UL's Aurora database.



3.0 Product Description

Luminaire Description: Outdoor Pole/Arm-Mounted Area and Roadway Luminaires

Model Number: ZPS-ZD667-150W.V2-40K-E3-D2-SP-B-T3

Electrical Ratings and CCT: 120-277 V AC, 50/60 Hz, 150 W, 4000 K

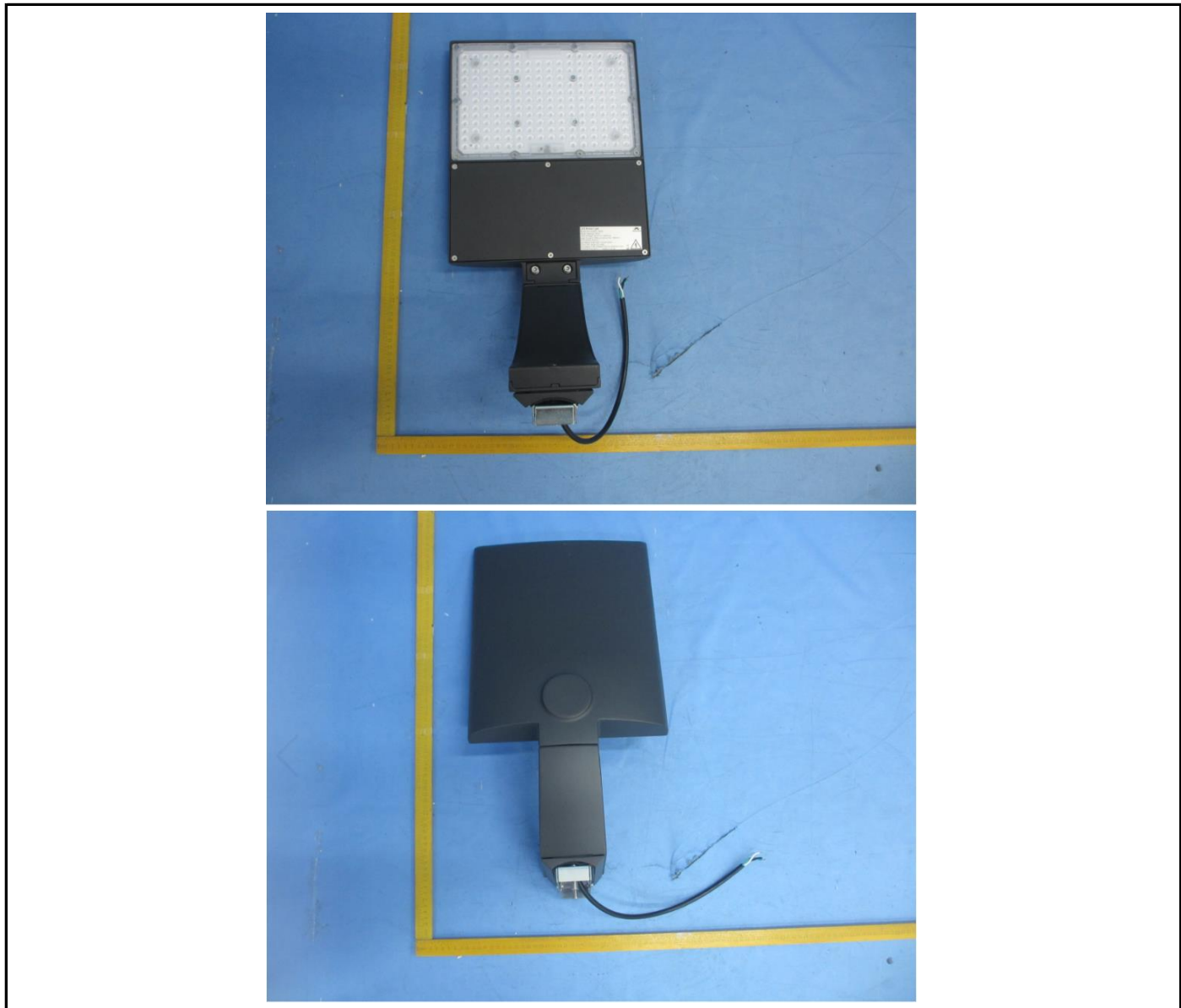
Driver Model Number: MNC-150B240

LED Package: SAWxC228-xx

Family Model and Variation: ZPS-ZD667-150W.V-T-E-D-J-P-S-M-C-L

Where "V" represents Input Rating, can be "V2"; "T" represents CCT, can be "40K" or "50K"; "E" represents LED Brand, can be "E3" or "E4"; "D" represents Dimmable or Non-Dimmable LED Driver, can be "D2" or "D3"; "J" represents Receptacle for Photocontrol Switch, can be "Blank", "J7" or "J70"; "P" represents Photocontrol Switch, can be "Blank" or "P0"; "S" represents Motion Sensor, can be "Blank" or "M1"; "M" represents Mounting, can be "SP", "TR", "SR" or "RP"; "C" represents luminaire color, can be "D", "B", "W" or "G"; "L" represents Optical Type, can be "T3", "T4", or "T5".

Photos of Luminaire Characteristics





4.0 LM-79 Measurement and Test Results

4.1 Integrating Sphere Test for the Lower CCT

Model No.	ZPS-ZD667-150W.V2-40K-E3-D2-SP-B-T3	Sample ID.	2903616
Operate time (Min.)	55	Stabilization time (Min.)	50

Test Method

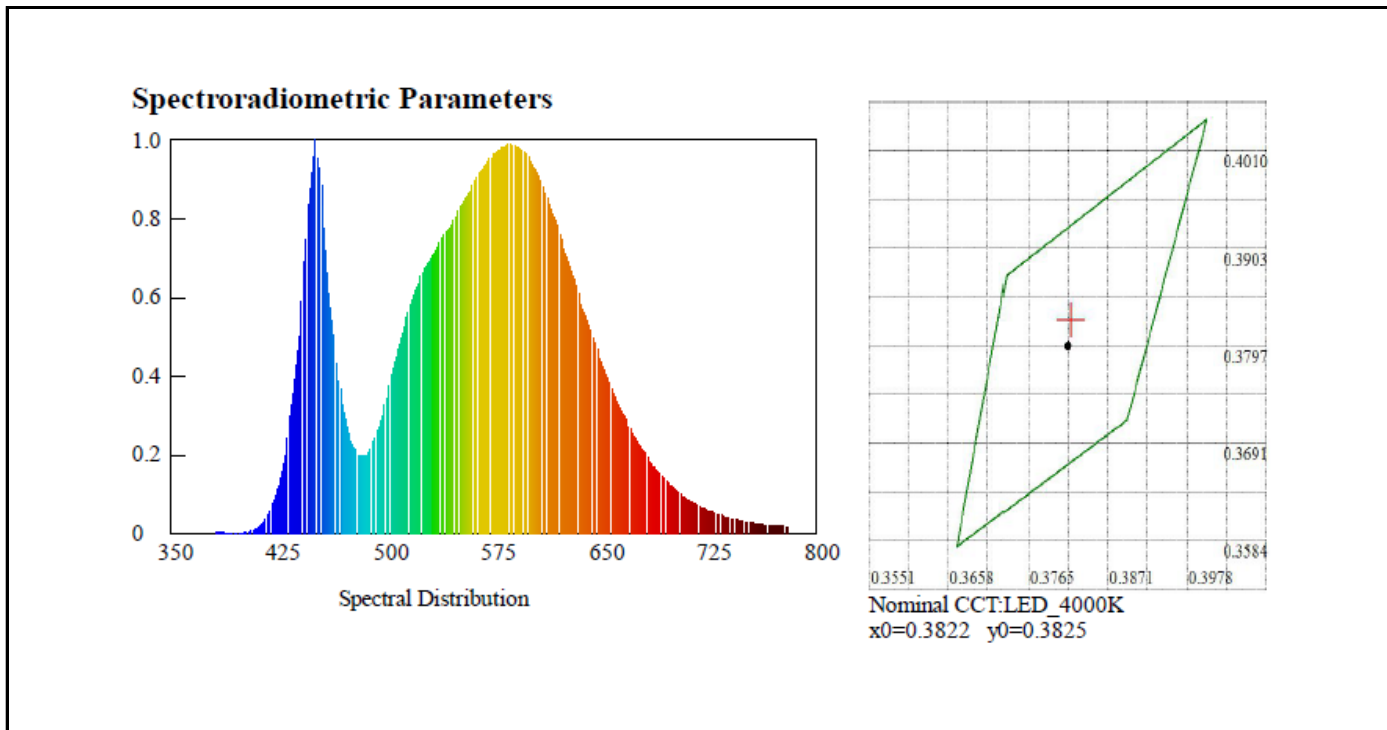
1.The sample was tested according to the IES LM-79-2008, and the product is assume to be brand new without seasoning.
 2.Photometric paramters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at 25° C ± 1° C.The reference standard lamp is rated current 0.8708 A omni-directional Incandescent lamp and was calibrated by National Institute of Metrology, China.
 3.The sample measurements were made using a spectroradiometer connected by a fiber optic cable and detector through the detector port of the integrating sphere. Coating reflectance of the integrating sphere was 90% to 98%.Photometric measurement conditions was using 4π geometry.The self-absorption factor is applied in the final test result.The sample was 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 5 nm intervals over the range of 380 to 780 nm.

Integrating Sphere Test Conditions

Temperature (°C)	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor	Orientation
25.5	120.06	60	1.212	145.27	0.998	Downward

Test Results

CCT (K)	CRI (Ra)	Rcs,h1	Rf	Rg	Luminous Flux (lm)	Luminous Efficacy (lm/W)
3995	75.6	-15%	78	94	19029.3	130.99

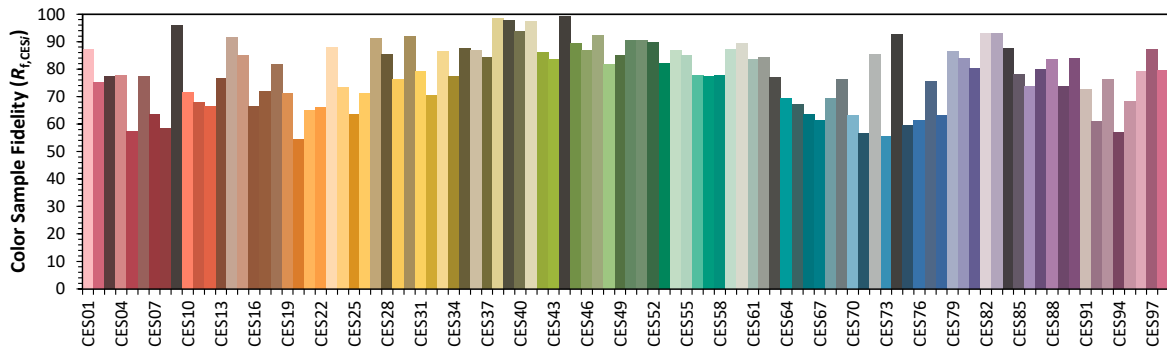
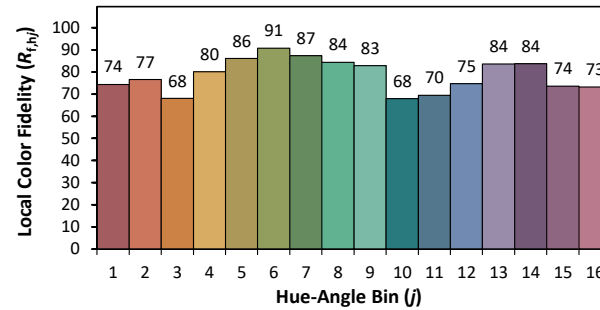
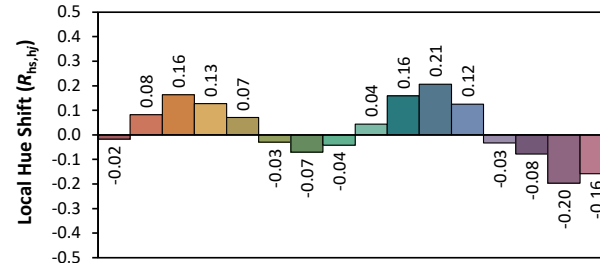
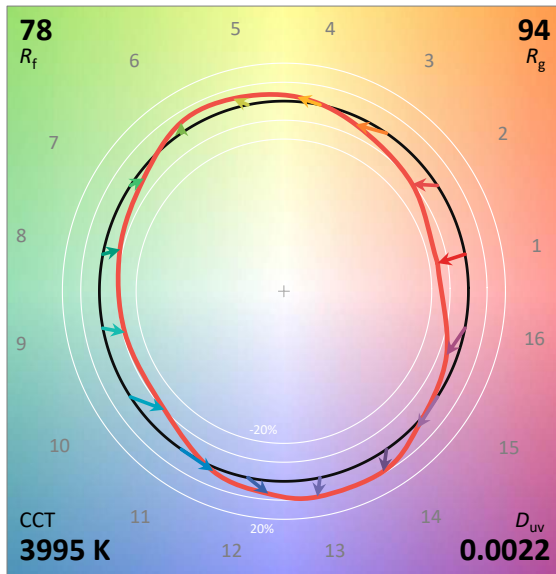
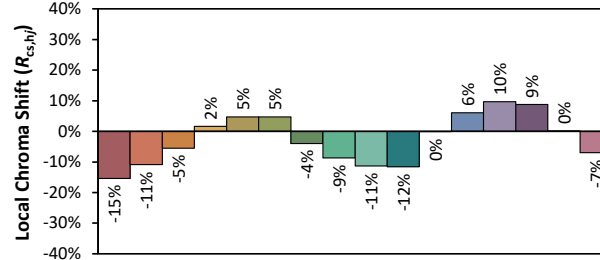
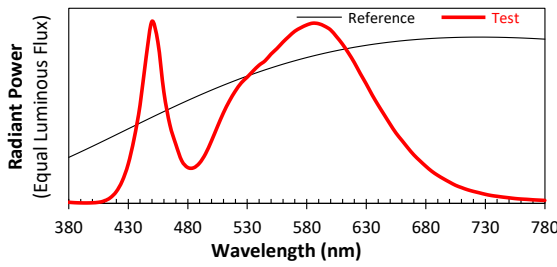




ANSI/IES TM-30-18 Color Rendition Report

Source: LED
Date: 3/3/2020

Manufacturer: Zopoise
Model: ZPS-ZD667-150W.V2-40K-E3-D2-SP-B-T3



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

x 0.3822
y 0.3825
u' 0.2240
v' 0.5043

CIE 13.3-1995 (CRI)	
R_a	76
R_g	-19

Colors are for visual orientation purposes only. Created with the ANSI/IES TM-30-18 Calculator Version 2.00.



4.0 LM-79 Measurement and Test Results

4.2 Integrating Sphere Test for the higher CCT

Model No.	ZPS-ZD667-150W.V2-50K-E3-D2-SP-B-T3	Sample ID.	2903617
Operate time (Min.)	55	Stabilization time (Min.)	50

Test Method

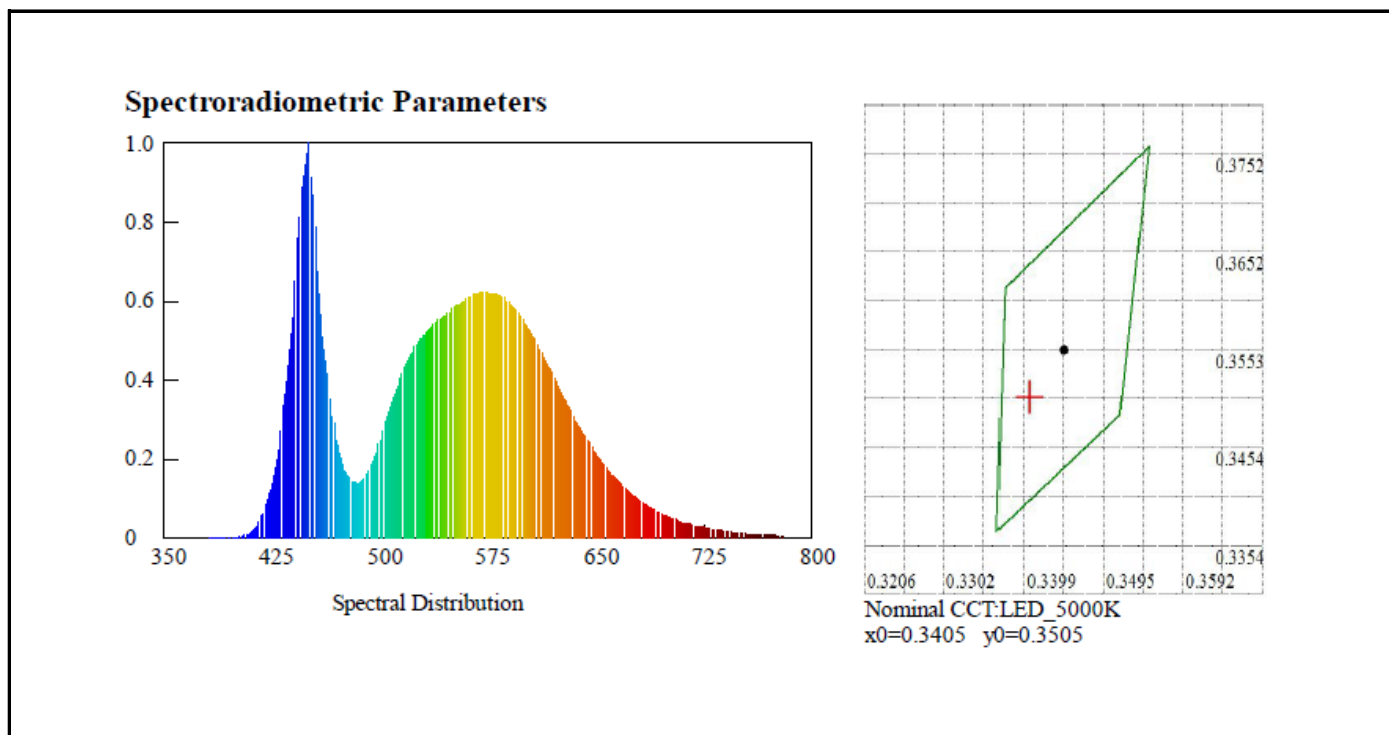
1.The sample was tested according to the IES LM-79-2008, and the product is assume to be brand new without seasoning.
 2.Photometric paramters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at 25° C ± 1° C.The reference standard lamp is rated current 0.8708 A omni-directional Incandescent lamp and was calibrated by National Institute of Metrology, China.
 3.The sample measurements were made using a spectroradiometer connected by a fiber optic cable and detector through the detector port of the integrating sphere. Coating reflectance of the integrating sphere was 90% to 98%.Photometric measurement conditions was using 4π geometry.The self-absorption factor is applied in the final test result.The sample was 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 5 nm intervals over the range of 380 to 780 nm.

Integrating Sphere Test Conditions

Temperature (°C)	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor	Orientation
25.8	120.01	60	1.181	141.28	0.997	Downward

Test Results

CCT (K)	CRI (Ra)	Rcs,h1	Rf	Rg	Luminous Flux (lm)	Luminous Efficacy (lm/W)
5176	73.3	-18%	74	94	19393.98	137.27

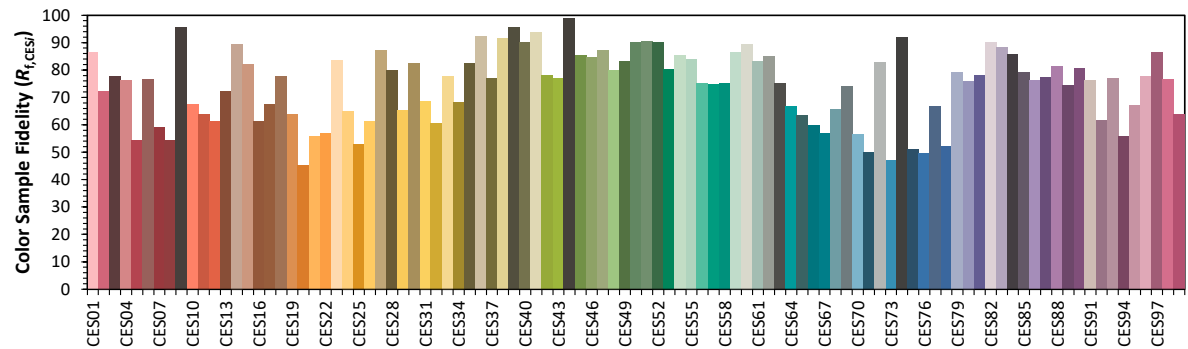
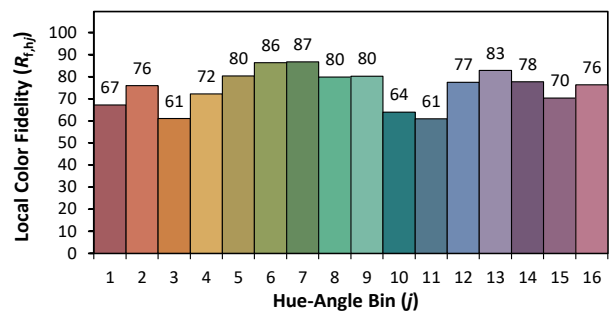
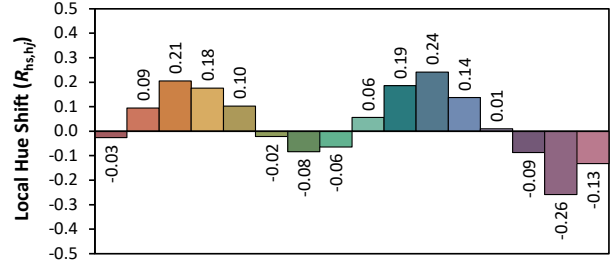
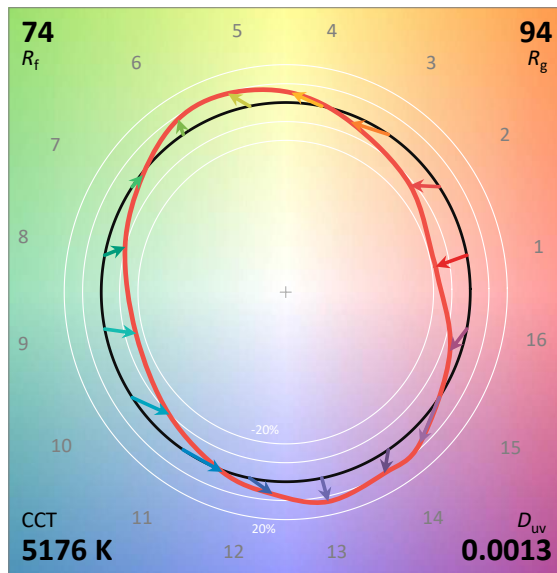
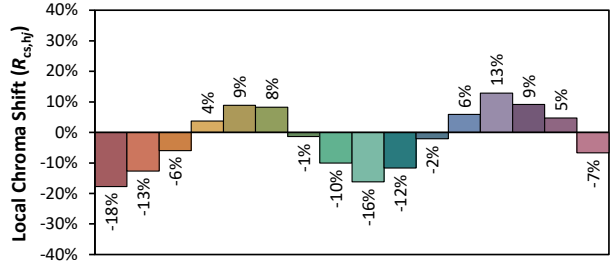
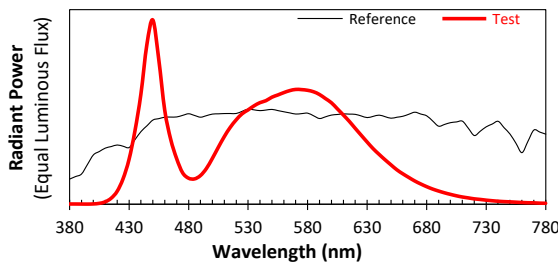




ANSI/IES TM-30-18 Color Rendition Report

Source: LED
 Date: 3/3/2020

Manufacturer: Zopoise
 Model: ZPS-ZD667-150W.V2-50K-E3-D2-SP-B-T3



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

x	0.3405	CIE 13.3-1995 (CRI) R _a 73 R _g -30
y	0.3505	
u'	0.2087	
v'	0.4835	

Colors are for visual orientation purposes only. Created with the ANSI/IES TM-30-18 Calculator Version 2.00.



5.0 LM-79 Measurement and Test Results

Model No.	ZPS-ZD667-150W.V2-40K-E3-D2-SP-B-T3	Sample ID.	2903616
Operate time (Min.)	60	Stabilization time (Min.)	50

Test Method

1.The sample was tested according to the IES LM-79-2008, and the product is assume to be brand new without seasoning.
 2.Photometric paramters were measured using a type C goniophotometer and software.
 3.The ambient temperature shall be maintained at 25° C ± 1° C, measured at a point not more than 1 m from the sample and at the same height as the sample.The reference standard lamp is rated current 3.812, 3.843, 3.837 A omni-directional Incandescent lamp and was calibrated by National Institute of Metrology, China.
 4.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 1° vertical intervals and 22.5° horizontal intervals. Photometric distance was more than five times of the largest dimension of the test SSL product.

Goniophotometer Test Conditions

Temperature (°C)	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor	Orientation
26.0	120.04	60	1.215	145.45	0.998	Downward

Test Result

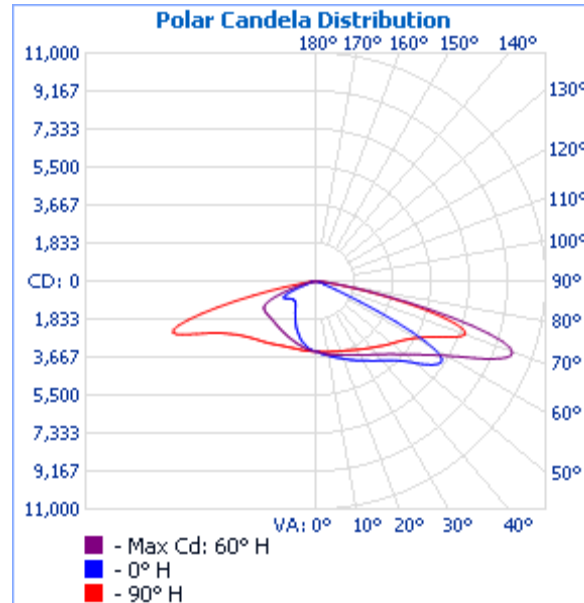
Flux (lm)	Beam Angle (50%)		Field Angle (10%)		Luminous Efficacy (lm/W)
	Horizontal Spread	Vertical Spread	Horizontal Spread	Vertical Spread	
19055.2	135.2	66.3	152.0	137.6	131.01

Zonal Lumen Requirement (0°-90°)	Zonal Lumen Requirement (80°-90°)	Backlight	Uplight	Glare	Spacing Criteria (0-180°)	Spacing Criteria (90°-270°)
99.8%	1.1%	3	2	3	N/A	N/A

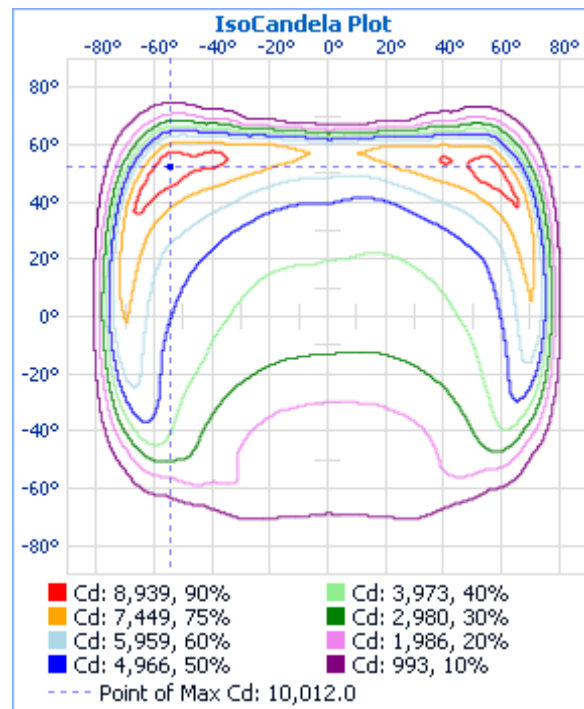


5.2 Goniophotometer Test (Cont'd)

Light Distribution Curve



IsoCandela Plot





5.2 Goniophotometer Test (Cont'd)

Zonal Lumen Summary

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	2,846.4	14.9%
0-40	5,014.0	26.3%
0-60	11,923.4	62.6%
60-90	7,087.1	37.2%
70-100	2,513.7	13.2%
90-120	22.5	0.1%
0-90	19,010.4	99.8%
90-180	44.8	0.2%
0-180	19,055.2	100%

Lumens Per Zone

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	324.4	1.7%	90-100	6.8	0%
10-20	958.9	5.0%	100-110	7.7	0%
20-30	1,563.0	8.2%	110-120	8.0	0%
30-40	2,167.6	11.4%	120-130	6.9	0%
40-50	2,877.5	15.1%	130-140	5.9	0%
50-60	4,031.8	21.2%	140-150	4.3	0%
60-70	4,580.2	24.0%	150-160	2.7	0%
70-80	2,304.4	12.1%	160-170	1.8	0%
80-90	202.5	1.1%	170-180	0.7	0%



5.2 Goniophotometer Test (Cont'd)

Intensity Data(cd)

	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	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386	3386
1	3387	3383	3388	3388	3382	3379	3381	3380	3378	3383	3381	3382	3382	3389	3386	3383	3383	3384	3385	3385	3389	3386	3392	3393	3392
2	3404	3413	3407	3404	3403	3398	3389	3380	3374	3370	3370	3367	3354	3362	3364	3367	3374	3378	3382	3388	3396	3400	3405	3410	3408
3	3454	3460	3452	3444	3434	3419	3400	3382	3367	3352	3344	3336	3323	3332	3332	3341	3354	3366	3384	3398	3417	3428	3443	3456	3457
4	3493	3491	3490	3478	3458	3435	3407	3383	3360	3338	3320	3307	3297	3305	3307	3319	3340	3360	3384	3410	3435	3452	3476	3491	3494
5	3523	3516	3518	3501	3474	3447	3417	3384	3354	3327	3301	3279	3275	3281	3286	3301	3324	3355	3385	3416	3447	3470	3499	3516	3524
6	3544	3540	3542	3524	3492	3459	3425	3387	3349	3315	3281	3257	3250	3258	3266	3284	3314	3349	3386	3422	3459	3483	3517	3538	3549
7	3564	3569	3564	3541	3512	3480	3437	3388	3343	3300	3265	3236	3211	3223	3239	3269	3304	3344	3388	3426	3469	3499	3535	3557	3567
8	3585	3605	3586	3564	3537	3496	3445	3388	3330	3277	3236	3204	3165	3178	3201	3241	3286	3335	3387	3432	3480	3519	3554	3583	3595
9	3617	3638	3617	3592	3560	3512	3453	3388	3320	3252	3200	3160	3121	3132	3159	3209	3266	3324	3385	3440	3492	3540	3580	3616	3630
10	3653	3671	3653	3621	3580	3527	3460	3386	3309	3229	3162	3114	3080	3090	3120	3176	3244	3314	3383	3444	3503	3556	3608	3646	3666
11	3685	3699	3683	3648	3599	3538	3468	3387	3296	3207	3127	3068	3037	3048	3083	3144	3225	3304	3383	3451	3513	3572	3629	3674	3698
12	3719	3728	3713	3672	3616	3551	3474	3388	3287	3185	3091	3024	2998	3010	3048	3117	3206	3298	3383	3456	3524	3585	3651	3701	3726
13	3750	3754	3741	3695	3633	3563	3483	3386	3277	3166	3058	2980	2958	2971	3013	3088	3188	3289	3382	3461	3533	3596	3669	3728	3757
14	3781	3781	3767	3718	3649	3578	3494	3389	3268	3144	3024	2937	2909	2928	2979	3064	3173	3284	3383	3466	3543	3612	3690	3750	3782
15	3809	3809	3790	3738	3669	3597	3506	3392	3257	3122	2993	2897	2852	2874	2941	3037	3158	3280	3384	3471	3552	3626	3707	3774	3809
16	3841	3845	3816	3760	3690	3616	3520	3394	3248	3093	2958	2856	2790	2815	2895	3010	3143	3276	3386	3478	3562	3642	3726	3799	3839
17	3869	3884	3842	3782	3715	3636	3534	3399	3235	3063	2916	2806	2730	2757	2843	2976	3127	3272	3392	3486	3572	3661	3748	3830	3873
18	3902	3926	3871	3805	3738	3655	3547	3404	3226	3032	2870	2749	2670	2697	2789	2937	3107	3266	3397	3497	3588	3683	3774	3866	3913
19	3939	3964	3906	3838	3765	3676	3561	3409	3214	3003	2817	2685	2612	2640	2738	2899	3089	3263	3405	3508	3604	3702	3805	3904	3956
20	3981	4002	3941	3868	3790	3695	3577	3415	3205	2974	2766	2622	2556	2586	2688	2861	3068	3261	3412	3521	3621	3722	3835	3942	4001
25	4199	4183	4118	4028	3922	3819	3680	3471	3172	2836	2532	2336	2260	2308	2454	2692	2992	3268	3466	3601	3717	3826	3968	4111	4194
30	4414	4411	4309	4219	4117	3990	3822	3557	3150	2677	2295	2057	1952	1999	2181	2512	2928	3302	3554	3714	3844	3989	4129	4306	4421
35	4684	4652	4563	4485	4339	4168	3985	3663	3139	2536	2050	1781	1699	1746	1937	2326	2868	3365	3678	3855	4031	4191	4344	4535	4687
40	4993	4922	4874	4801	4601	4397	4177	3804	3138	2393	1851	1577	1492	1527	1721	2164	2825	3447	3820	4029	4259	4470	4604	4780	4966
45	5410	5335	5310	5234	4978	4686	4416	3978	3160	2269	1699	1454	1390	1411	1562	2024	2796	3552	3979	4241	4572	4911	5008	5133	5361
50	6115	6089	6075	5928	5478	5028	4688	4178	3203	2194	1629	1425	1382	1403	1514	1931	2789	3708	4202	4515	5006	5570	5762	5801	6052
55	6999	7319	7493	7019	6173	5418	4997	4418	3260	2165	1682	1513	1472	1506	1601	1903	2805	3925	4520	4887	5660	6642	7145	6975	6977
60	6559	7602	8776	8524	7187	5986	5480	4793	3313	2170	1829	1695	1650	1695	1781	1939	2822	4262	5027	5489	6748	8222	8502	7428	6681
65	2349	3970	6886	9366	8834	7078	6358	5298	3217	2030	1826	1816	1575	1804	1834	1826	2657	4706	5966	6712	8650	9065	6324	3529	2532
70	443	613	1875	6667	###	8942	7566	5052	2291	1364	1416	1101	666	957	1468	1265	1799	4195	7254	8793	9763	5771	1574	580	445
75	319	340	474	2147	6718	7245	5656	2610	978	609	750	331	310	301	700	594	783	1774	4852	6466	5994	1654	453	358	318
80	185	193	266	520	1933	2134	1668	581	283	285	249	207	206	191	201	253	183	313	1031	1556	1464	463	250	192	183
85	83	88	110	154	378	308	202	149	90	117	96	94	75	84	83	78	62	74	109	116	253	126	82	77	83
90	3	8	11	15	23	22	25	21	15	7	5	4	2	2	4	8	11	11	11	10	7	4	3	3	4
95	1	2	3	5	6	8	10	10	10	7	4	3	1	3	5	8	10	11	10	8	6	2	2	2	2
100	1	2	2	3	5	8	10	12	11	9	6	4	4	5	6	9	12	12	10	9	6	4	1	2	2
105	1	2	2	3	5	8	10	11	12	11	8	6	6	6	9	11	13	12	12	7	5	4	3	2	3
110	2	3	3	4	6	8	11	13	14	12	10	8	7	8	11	12	14	13	11	8	6	4	3	2	3
115	2	4	3	4	7	8	10	13	12	12	11	8	9	9	10	12	14	12	10	8	6	5	3	1	2
120	2	3	3	3	6	7	9	12	11	11	10	10	10	10	11	13	12	12	9	8	6	5	3	3	2
125	3	3	3	5	5	8	10	12	12	9	9	9	9	10	10	12	12	12	9	7	7	4	2	2	3
130	2	2	3	4	7	7	10	11	12	10	8	8	8	9	10	12	13	12	10	8	6	4	4	3	3
135	3	3	4	4	6	7	9	11	11	11	11	9	9	10	10	12	11	10	9	7	6	5	3	3	2
140	2	3	4	5	6	6	8	9	10	10	10	10	10	10	10	11	10	8	9	8	6	5	4	3	3
145	2	3	4	5	5	7	6	8	8	9	10	9	10	9	9	8	8	8	7	6	6	4	3	3	4
150	3	3	3	5	5	6	6	7	8	7	9	9	8	8	8	8	7	6	6	6	6	4	4	4	4
155	4	4	4	5	5	4	6	6	7	7	7	7	7	8	6	8	7	6	6	5	5	5	5	4	4
160	5	5	5	5	6	6	6	6	7	6	7	6	6	7	6	6	7	5	5	5	5	5	5	5	4
165	5	5	6	6	6	6	5	6	7	6	7	7	7	7	7	7	7	7	6	7	6	5	5	5	6
170	6	7	7	7	7	7	7	7	6	7	8	8	7	8	7	7	7	7	7	8	6	8	7	7	6
175	7	9	8	8	8	7	8	8	8	8	8	8	8	9	7	9	9	9	8	7	10	9	8	9	8
180	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9



6.0 THD and PF Test

Model No.	ZPS-ZD667-150W.V2-40K-E3-D2-SP-B-T3	Sample ID.	2903616
------------------	-------------------------------------	-------------------	---------

Test Method

1. The samples were tested according to the ANSI C82.77.
2. The ambient temperature condition was maintained at 25° C ± 1° C. The sample measurement was made using a digital power meter and power supply. The sample was operated at rated voltage and stabilized before measurement. The total harmonic distortion were calculated from the digital power meter.

Test Results

Temperature (°C)	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor	Current THD
25.1	120.02	60	1.232	147.44	0.998	5.59%
25.1	277.06	60	0.547	140.66	0.929	5.23%



7.0 In-Situ Temperature Measurement Test

Test Method

1. In-Situ Temperature Measurement Test is conducted according to the UL1598-2008.
2. The testing was conducted in a room with ambient temperature of $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$. The apparatus construction followed those described in UL1598-2008 for normal temperature testing. Thermocouples were placed on the LED package in the locations indicated by LM-80 report. Thermocouples were placed on the LED driver case in the locations specified by the manufacture if necessary. The temperature was recorded after the lamp was operated by 3.5 hours in stability or by 7.5 hours.

In-Situ Temperature Measurement Test Conditions

Temperature (°C)	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor	Orientation
26.0	120.00	60	1.215	145.45	0.998	Downward

Test Results(LED)

Thermocouple Location	Manufacturer Declared Current (mA)	Temperature for Lighting source (°C)		LED Model Number	LM-80 Limit Current (mA)	LM-80 Limit Temp. (°C)
		Test result column 1	Test result (Correct to 25 °C)			
TMP of LED 1	124	90.1	89.1	SAWxC228-xx	150	105
TMP of LED 2		93.0	92.0			
Ambient temperature	N/A	26.0	25.0			

Test Results(Driver)

Thermocouple Location	Temperature for Driver (°C)		Driver Model Number	Driver Limit Temp. (°C)
	Test result column 1	Test result (Correct to 25 °C)		
Tc of Driver	68.3	67.3	MNC-150B240	90
Ambient temperature	26.0	25.0		

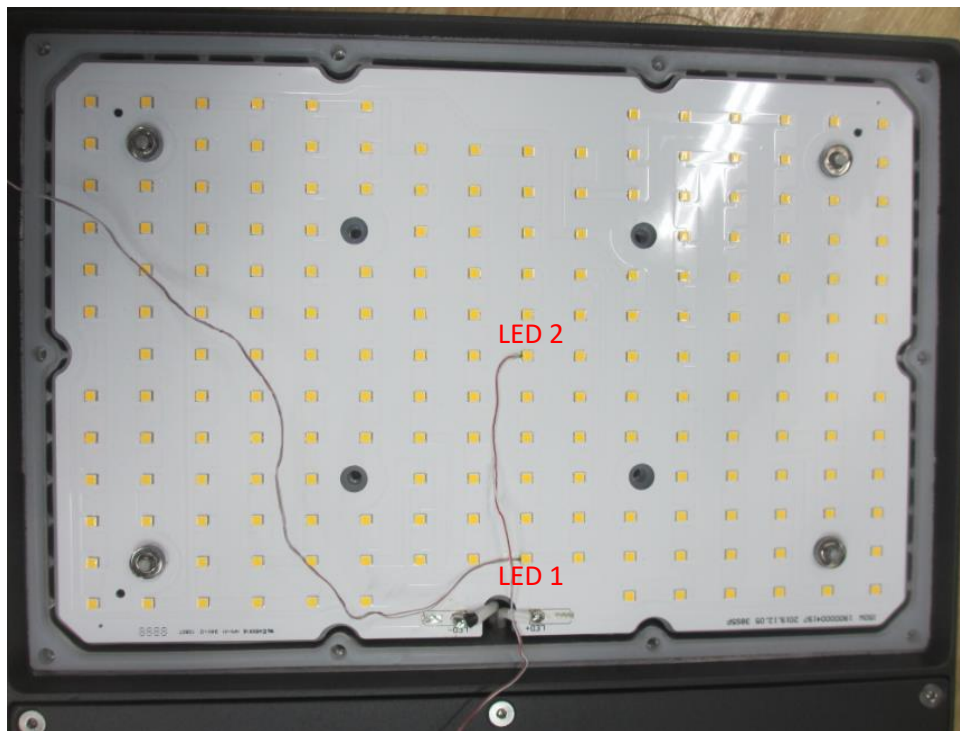
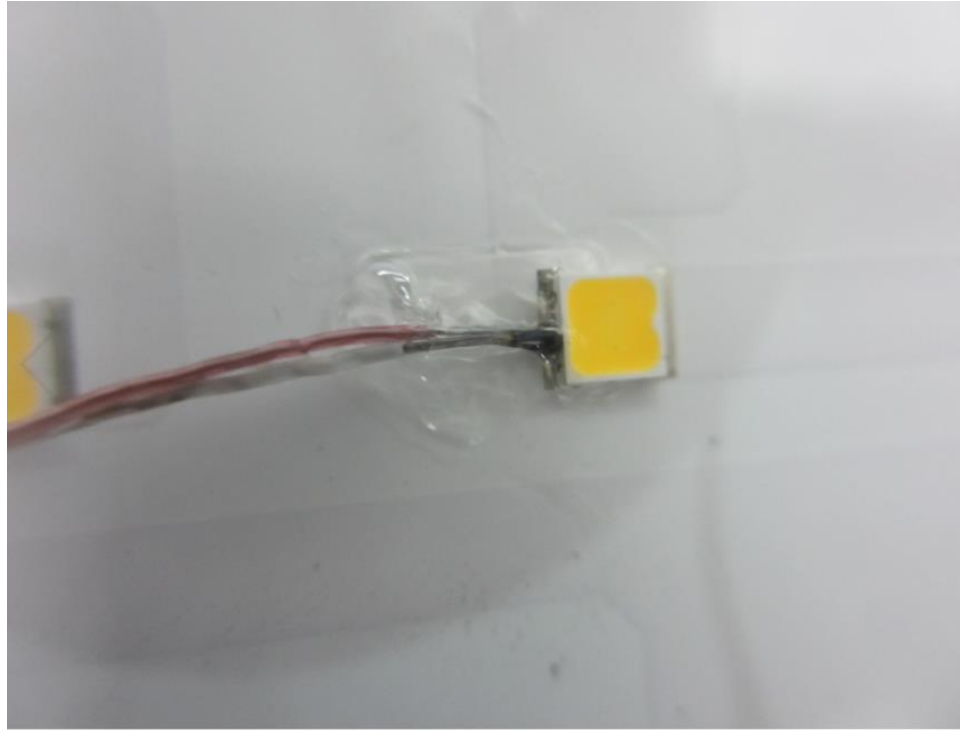
TMP point in LM-80 report

Case Temperature Measurement Point	Package Dimension
<p>Ts Measurement Point</p>	<p>Top View</p> <p>Side View</p> <p>Anode (+)</p>



7.0 In-Situ Temperature Measurement Test (Cont'd)

Test Photos for TMP of LED Packages





7.0 In-Situ Temperature Measurement Test (Cont'd)

Test Photos for TMP of LED Driver





***** END OF REPORT. THIS PAGE INTENTIONALLY LEFT BLANK *****