



IES LM-79-08

MEASUREMENT AND TEST REPORT

For

ATG Electronics Corp

10700 7th Street Rancho Cucamonga, CA 91730, USA

Test Model: AA-300-40-T2

Report Type:	Electrical and Photometric tests including: Luminous Flux, Chromaticity, Luminous Intensity Distribution, THD
Test Engineer:	George Yang <i>George Yang</i>
Report Number:	RKSB181017003-10-7
Test Date:	2018-05-16 to 2018-05-18
Report Date:	2018-10-18
Reviewed By:	Ray Gao/EE Engineer <i>Ry Gao</i>
Prepared By:	Bay Area Compliance Laboratories Corp. (Kunshan). No.248 Chenghu Road, Kunshan, Jiangsu province, China. Tel: +86-0512-86175000 Fax: +86-0512-88934268
Test Facility:	Test facility was located at No.248 Chenghu Road, Kunshan, Jiangsu province, China.
Accreditation:	The IAS Accreditation Number TL-749.

Note: The test data was only valid for the test sample(s). This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Kunshan). This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.

1. Product Description

General Information:

One sample was received on 2018-05-02 and used for testing.

Model Tested: AA-300-40-T2
 Manufacturer: ATG Electronics Corp
 Brand Name: ATG
 Product Designation: Outdoor Pole/Arm-mounted Area and Roadway Luminaires
 Aging Time Before Test: 0hour(For New Products)

Rated Values:

Rated Voltage/Frequency: 120-277 VAC 60Hz
 Rated Power: 300W
 Nominal CCT: 4000K
 Nominal Lumen Output: 36000lm

Note:

1. The applicant *ATG Electronics Corp* declared that their product with model AA-300-40-T2 is the same to the product in report# RKS180502030-10-7 and is authorized by original applicant to use their test data.
2. All the data in previous report (RKS180502030-10-7) is shared in report.

2. Standards Used

- IES LM-79-08: Approved Method: Electrical & Photometric Measurement of Solid-state Lighting Products
- ANSI C82.77-10-2014: Harmonic Emission Limits – Related Power Quality Requirements for Lighting Equipment
- IES TM-30-15: IES Method for Evaluating Light Source Color Rendition

3. Description of Test Equipment

Device	Manufacture	Model No	Serial No	Calibration date	Calibration due date
Integrating Sphere	INVENTFINE	Dia 1.5m	JWWCV090112	2018-01-24	2019-01-24
Power Meter	INVENTFINE	WT500	GSJWQ20009	2018-04-08	2019-04-08
Spectral photometer	INVENTFINE	CMS-3S	GSGSE100017	2018-01-24	2019-01-24
AC Power Supply	INVENTFINE	CHP500	JWJSD010071	2018-04-08	2019-04-08
Standard Light Source	INVENTFINE	N/A	JWWCR020106	2018-01-24	2019-01-24
Thermal Meter	KEJIAN	TA298	N/A	2017-11-14	2018-11-14
DC Power Supply	INVENTFINE	WL3005	JWWCP020069	2018-04-08	2019-04-08
AC Power Supply	INVENTFINE	CHP-5KVA	900511765	2018-04-08	2019-04-08
DC Power Supply	INVENTFINE	WL3010	JWDMP030001	2018-04-08	2019-04-08
Power Meter	INVENTFINE	WT500	GSDSQ200007	2018-04-08	2019-04-08
Goniophotometer	INVENTFINE	GPM-1900	YWGCF120001	2018-01-24	2019-01-24

Device	Manufacture	Model No	Serial No	Calibration date	Calibration due date
Wireless Weather Station	ZHONGXING	KG218	N/A	2017-11-14	2018-11-14
Standard Light Source	INVENTFINE	N/A	JWBYR040007	2018-01-24	2019-01-24

Statement of Traceability: Bay Area Compliance Laboratories Corp. (Kunshan) attested that all calibration has been performed using suitable standards traceable to National Primary Standards and International System of Units (SI).

4. Test Method

Product was tested with no seasoning. All stabilization and measurements were made in compliance with IES LM-79-08. The product was operated at rated voltage or at voltage required by manufacturer. The ambient temperature of the sample was maintained at $25^{\circ}\text{C} \pm 1^{\circ}\text{C}$ during measurement. And relative humidity is less than 65%.

Integrating Sphere System

The system includes AC power source, digital power meter, DC power supply, Spectroradiometer, and integrating sphere. The integrating sphere system is calibrated by standard spectrum light source before measurement.

4 π geometry was used during measurement. The product was operated in its intended orientation in application and was recorded in this report.

The uncertainty of the light output (luminous flux) measurements is $U=2.6\%$ ($K=2$), at the 95% confidence level. The uncertainty of the correlated color temperature measurements is $U=24\text{K}$ ($K=2$), at the 95% confidence level. The uncertainty of the CRI is $U=2.5(K=2)$, at the 95% confidence level.

The uncertainty of power meter AC current $U=0.16\%$ of rdg, AC Voltage $U=0.18\%$ of rdg, Power $U=0.14\%$ ($K=2$), at the 95% confidence level.

Goniophotometer System

The goniophotometer system is calibrated by standard light source before measurement.

Type C goniophotometer was used for measuring total luminous flux, luminous intensity distribution, and color spatial uniformity. The product was operated in its intended orientation in application and was recorded in this report. The vertical angle (γ) test intervals were set no more than 1 degree while data for 5 degree intervals is reported. The horizontal angle (C plane) test intervals were set no more than 22.5 degree.

The uncertainty of the luminous flux is $U=2.6\%$ ($K=2$), at the 95% confidence level.

Additional Test

The Additional Test item may not be covered by IESNA LM-79-2008. Additional test including power factor, off-state power and THD, was measured by Digital Power Meter after stabilized at $25^{\circ}\text{C} \pm 1^{\circ}\text{C}$. Test voltage for THD and power factor test would be equal to rated voltage or, in case of a voltage range, maximum value of that range.

The uncertainty of power meter AC current $U=0.16\%$ of rdg, AC Voltage $U=0.18\%$ of rdg, Power $U=0.14\%$ ($K=2$), at the 95% confidence level.

Fidelity Index and Gamut Index Calculation

The R_i , R_g was calculated according to IES TM-30-15 by using calculation tools. The calculation was based on the measured SPD from 380nm to 780nm with 1nm intervals. All the colors in this report is for reference only.

5. Test Result

[Integrating Sphere System]

Total operating time for integrating sphere test: **1.0 hour**

Test orientation: **Downward**

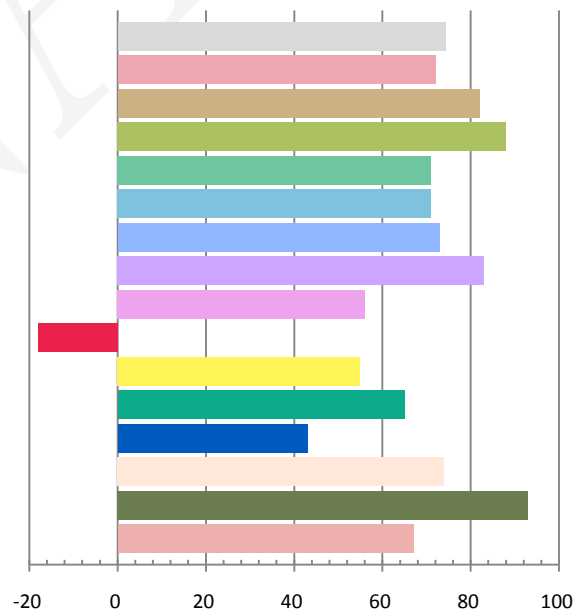
Photometric and Electrical Measurement Result

Voltage (V)	Frequency (Hz)	Current (A)	Power (W)	Power Factor	Luminous Flux(lm)	Efficacy (lm/W)
120.0	60	2.3457	281.22	0.9988	35293	125.5

Radiant Flux (W)	CCT (K)	Duv	x	y	u'	v'
103.451	4063	-0.00067	0.3773	0.3734	0.2244	0.4996

Color Rendering Index

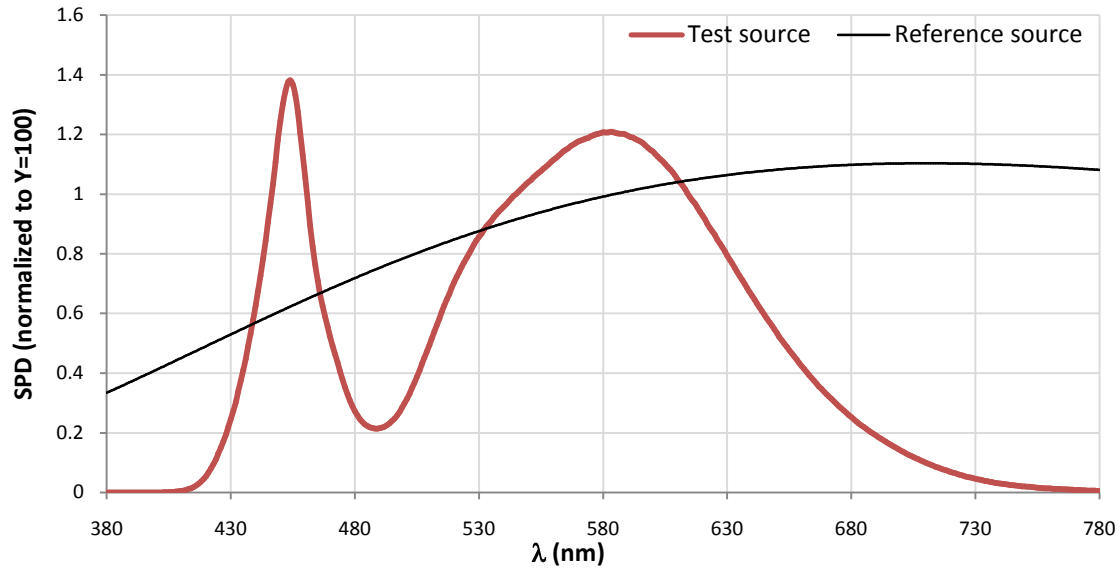
Ra			
74.3			
R1	R2	R3	R4
72	82	88	71
R5	R6	R7	R8
71	73	83	56
R9	R10	R11	R12
-18	55	65	43
R13	R14	R15	
74	93	67	



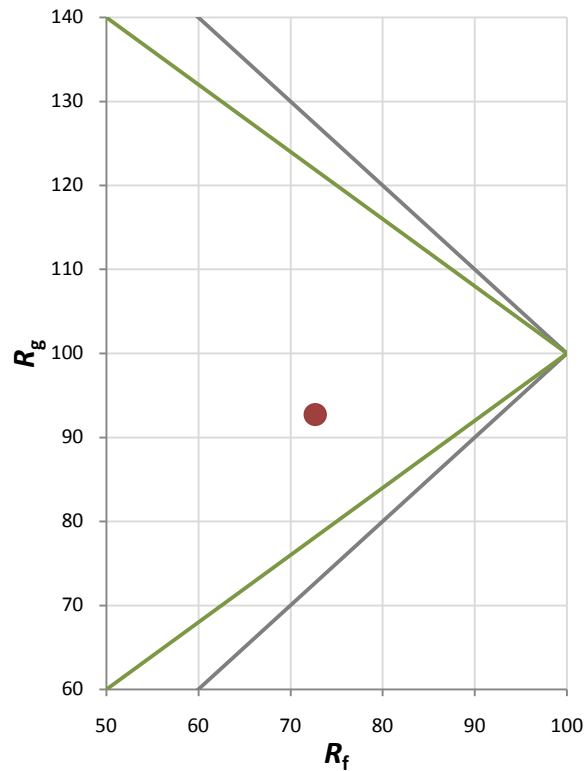
Fidelity Index and Gamut Index

Fidelity Index R_f	73
Gamut Index R_g	93

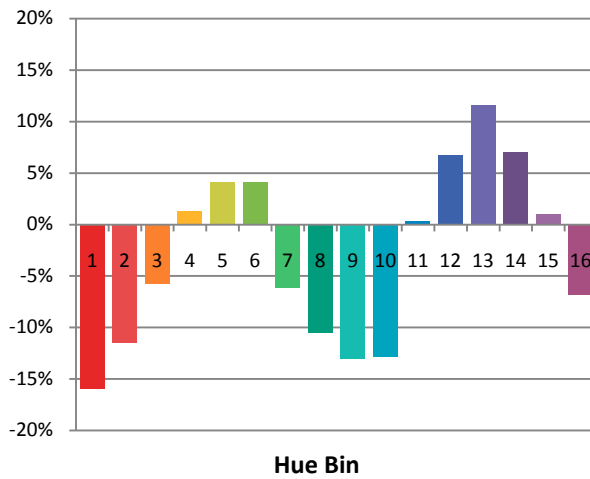
Spectral Power Distribution Comparison



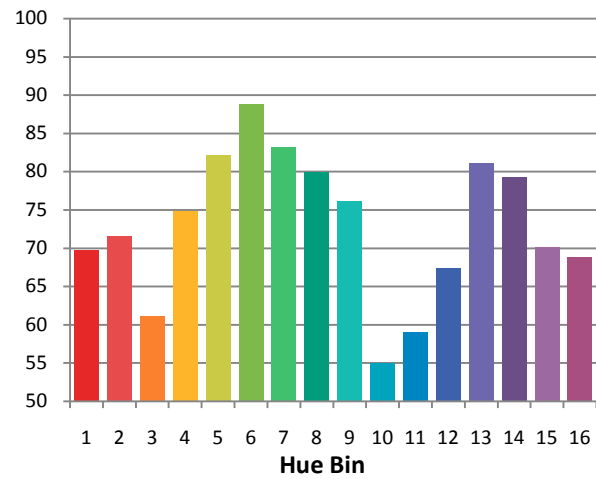
Plot of R_g versus R_f



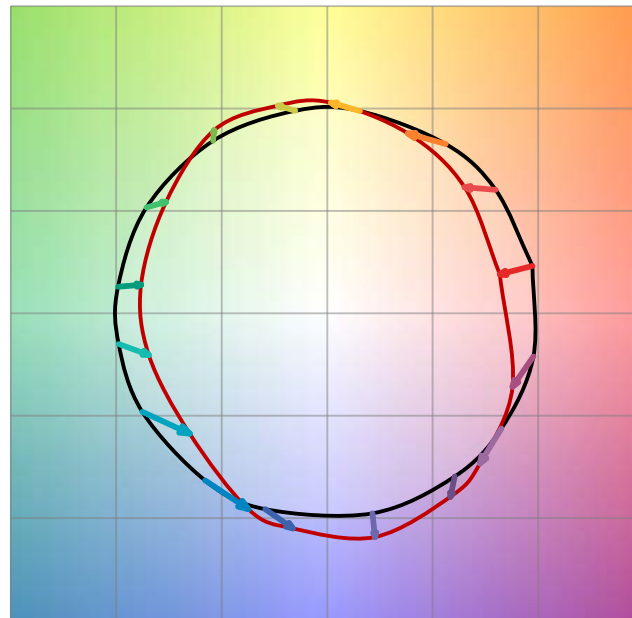
Chroma Shift by Hue



R_t by Hue

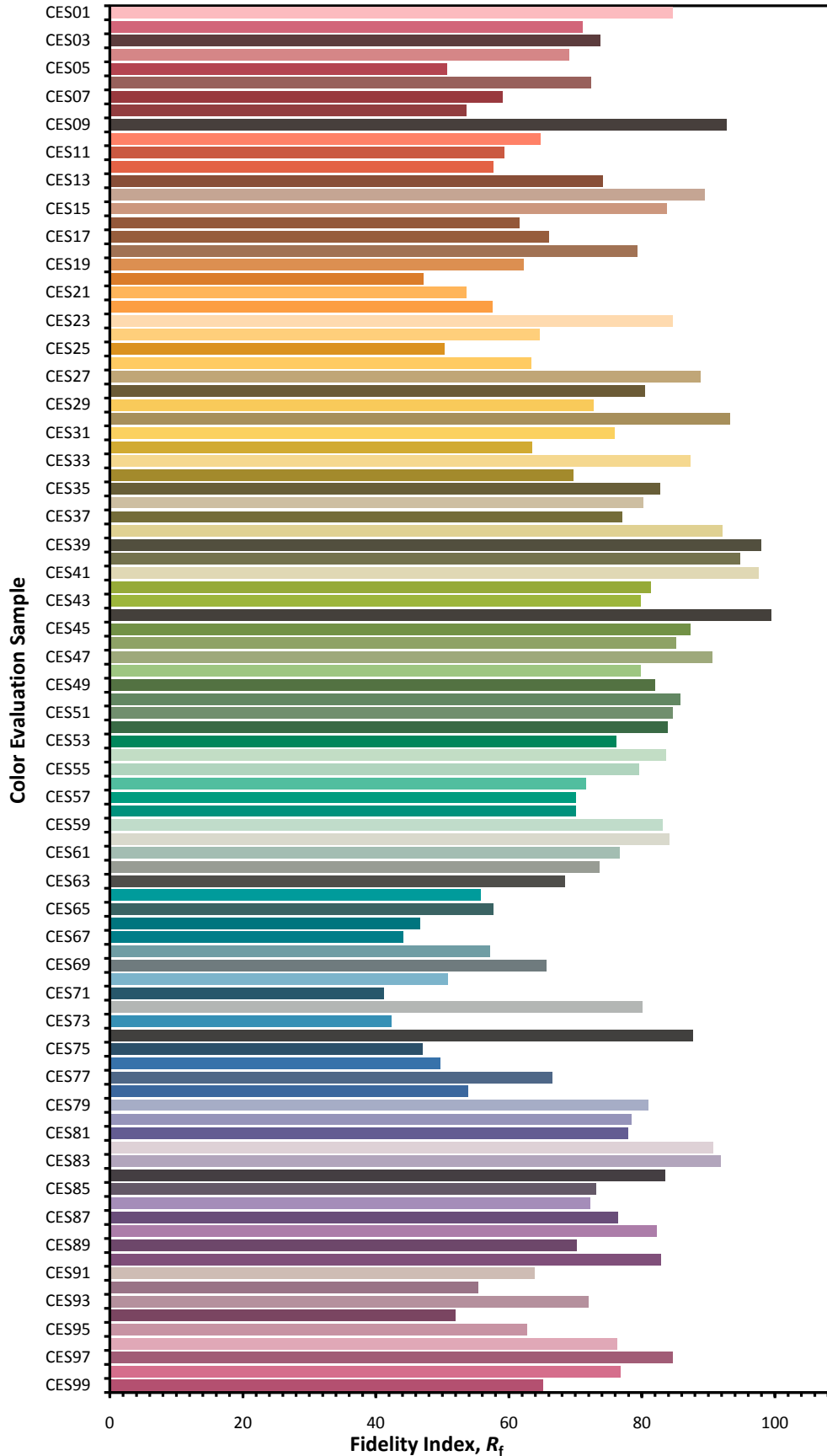


Color Vector Graphic

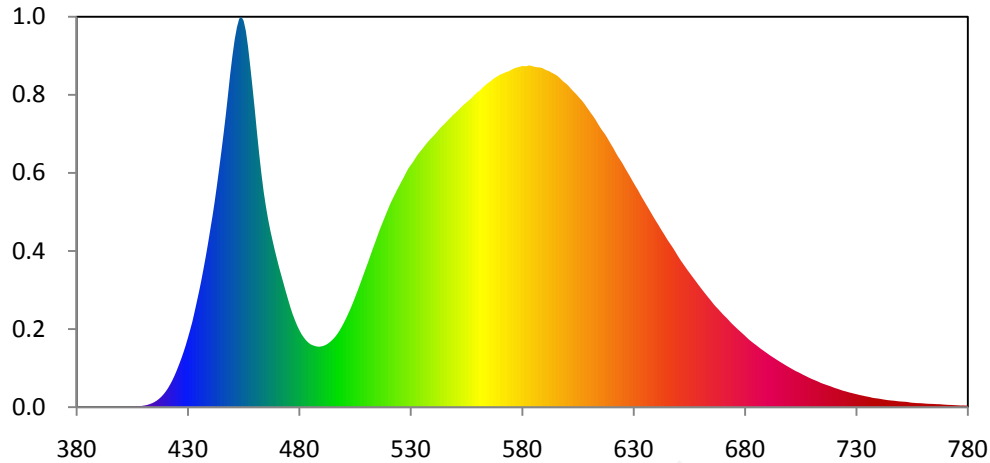


— Reference Illuminant — Test Source

Color Fidelity by CES Sample



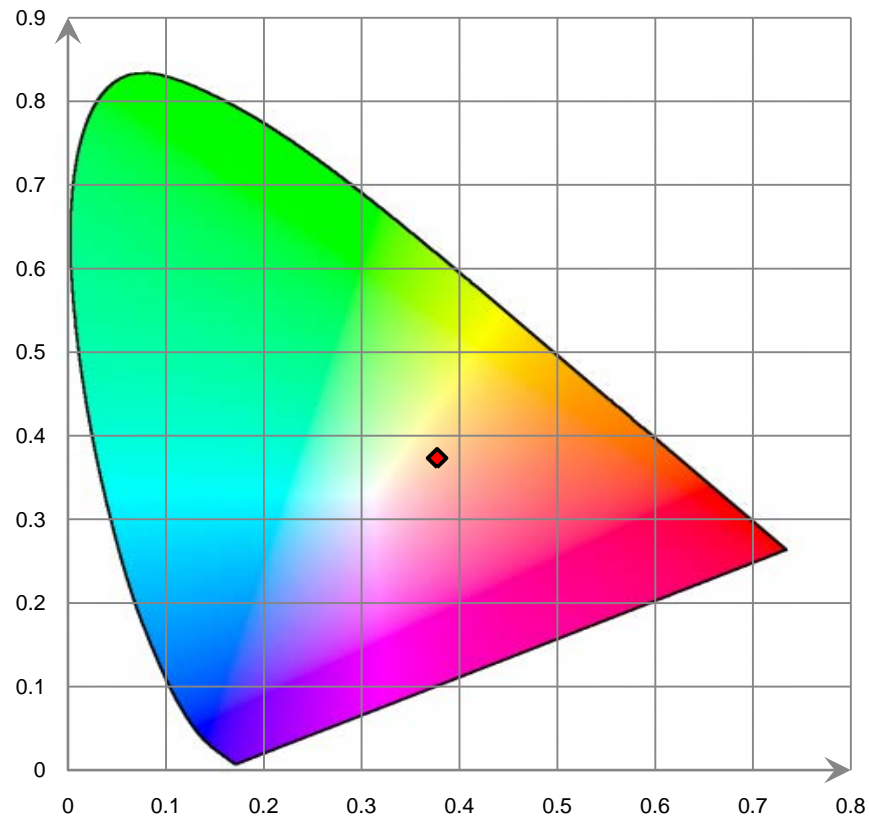
Relative Spectral Power Distribution



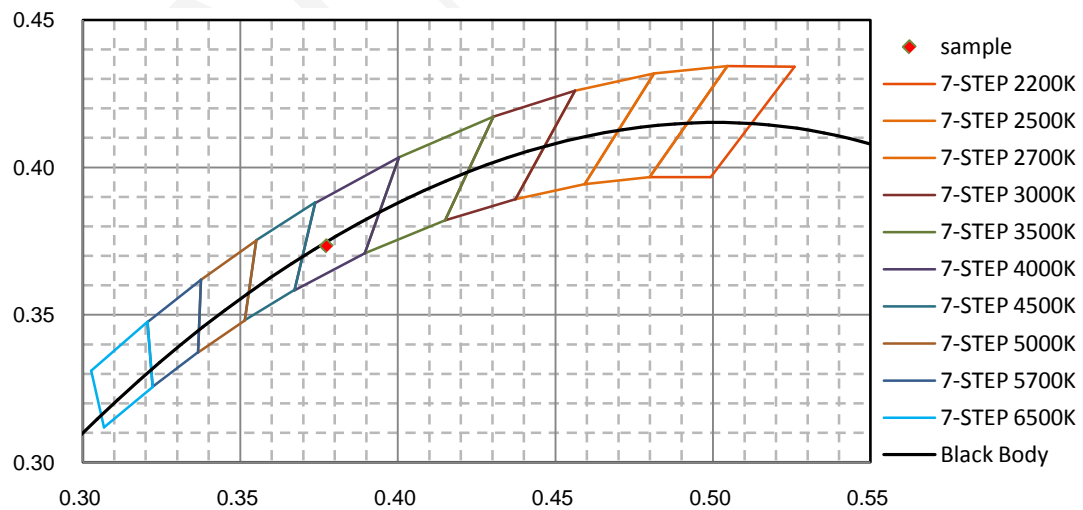
nm	mW	nm	mW	nm	mW	nm	mW	nm	mW
380	1.254E-01	421	3.441E+01	462	4.622E+02	503	1.804E+02	544	5.133E+02
381	8.170E-02	422	4.140E+01	463	4.261E+02	504	1.903E+02	545	5.171E+02
382	9.060E-02	423	4.904E+01	464	3.937E+02	505	2.006E+02	546	5.214E+02
383	5.710E-02	424	5.772E+01	465	3.668E+02	506	2.112E+02	547	5.257E+02
384	2.890E-02	425	6.739E+01	466	3.432E+02	507	2.221E+02	548	5.298E+02
385	1.730E-02	426	7.773E+01	467	3.227E+02	508	2.333E+02	549	5.342E+02
386	9.100E-03	427	8.854E+01	468	3.044E+02	509	2.444E+02	550	5.377E+02
387	1.140E-02	428	1.003E+02	469	2.866E+02	510	2.556E+02	551	5.414E+02
388	1.090E-02	429	1.130E+02	470	2.702E+02	511	2.667E+02	552	5.457E+02
389	5.800E-03	430	1.268E+02	471	2.543E+02	512	2.783E+02	553	5.497E+02
390	3.500E-03	431	1.413E+02	472	2.395E+02	513	2.900E+02	554	5.536E+02
391	6.200E-03	432	1.565E+02	473	2.250E+02	514	3.009E+02	555	5.570E+02
392	6.400E-03	433	1.743E+02	474	2.103E+02	515	3.123E+02	556	5.605E+02
393	6.700E-03	434	1.929E+02	475	1.962E+02	516	3.235E+02	557	5.639E+02
394	1.100E-02	435	2.116E+02	476	1.824E+02	517	3.338E+02	558	5.681E+02
395	1.190E-02	436	2.315E+02	477	1.700E+02	518	3.437E+02	559	5.722E+02
396	9.200E-03	437	2.531E+02	478	1.593E+02	519	3.538E+02	560	5.758E+02
397	8.700E-03	438	2.752E+02	479	1.494E+02	520	3.638E+02	561	5.788E+02
398	4.470E-02	439	2.989E+02	480	1.409E+02	521	3.733E+02	562	5.828E+02
399	7.260E-02	440	3.239E+02	481	1.335E+02	522	3.817E+02	563	5.869E+02
400	1.588E-01	441	3.486E+02	482	1.274E+02	523	3.900E+02	564	5.904E+02
401	1.868E-01	442	3.755E+02	483	1.222E+02	524	3.981E+02	565	5.934E+02
402	1.858E-01	443	4.047E+02	484	1.182E+02	525	4.059E+02	566	5.962E+02
403	2.932E-01	444	4.357E+02	485	1.151E+02	526	4.136E+02	567	5.998E+02
404	4.912E-01	445	4.669E+02	486	1.132E+02	527	4.212E+02	568	6.025E+02
405	6.653E-01	446	4.999E+02	487	1.117E+02	528	4.292E+02	569	6.050E+02
406	8.133E-01	447	5.343E+02	488	1.108E+02	529	4.367E+02	570	6.075E+02
407	1.133E+00	448	5.716E+02	489	1.105E+02	530	4.425E+02	571	6.091E+02
408	1.522E+00	449	6.098E+02	490	1.112E+02	531	4.480E+02	572	6.110E+02
409	2.106E+00	450	6.430E+02	491	1.123E+02	532	4.546E+02	573	6.129E+02
410	2.756E+00	451	6.724E+02	492	1.141E+02	533	4.609E+02	574	6.139E+02
411	3.524E+00	452	6.945E+02	493	1.167E+02	534	4.662E+02	575	6.164E+02
412	4.491E+00	453	7.100E+02	494	1.199E+02	535	4.710E+02	576	6.185E+02
413	5.831E+00	454	7.137E+02	495	1.238E+02	536	4.764E+02	577	6.201E+02
414	7.421E+00	455	7.063E+02	496	1.281E+02	537	4.814E+02	578	6.213E+02
415	9.494E+00	456	6.877E+02	497	1.334E+02	538	4.863E+02	579	6.222E+02
416	1.202E+01	457	6.584E+02	498	1.397E+02	539	4.910E+02	580	6.236E+02
417	1.517E+01	458	6.224E+02	499	1.467E+02	540	4.949E+02	581	6.233E+02
418	1.882E+01	459	5.841E+02	500	1.544E+02	541	4.993E+02	582	6.233E+02
419	2.326E+01	460	5.443E+02	501	1.625E+02	542	5.040E+02	583	6.246E+02
420	2.841E+01	461	5.020E+02	502	1.713E+02	543	5.091E+02	584	6.241E+02

nm	mW	nm	mW	nm	mW	nm	mW	nm	mW
585	6.227E+02	626	4.385E+02	667	1.835E+02	708	5.547E+01	749	1.071E+01
586	6.218E+02	627	4.315E+02	668	1.792E+02	709	5.348E+01	750	1.037E+01
587	6.212E+02	628	4.247E+02	669	1.748E+02	710	5.159E+01	751	1.016E+01
588	6.209E+02	629	4.175E+02	670	1.703E+02	711	4.987E+01	752	9.846E+00
589	6.200E+02	630	4.103E+02	671	1.662E+02	712	4.823E+01	753	9.451E+00
590	6.177E+02	631	4.034E+02	672	1.621E+02	713	4.644E+01	754	8.630E+00
591	6.158E+02	632	3.967E+02	673	1.577E+02	714	4.456E+01	755	8.168E+00
592	6.144E+02	633	3.892E+02	674	1.533E+02	715	4.293E+01	756	7.851E+00
593	6.120E+02	634	3.820E+02	675	1.494E+02	716	4.156E+01	757	7.477E+00
594	6.098E+02	635	3.752E+02	676	1.454E+02	717	4.009E+01	758	7.379E+00
595	6.077E+02	636	3.682E+02	677	1.416E+02	718	3.878E+01	759	7.247E+00
596	6.050E+02	637	3.613E+02	678	1.380E+02	719	3.725E+01	760	6.942E+00
597	6.013E+02	638	3.543E+02	679	1.343E+02	720	3.560E+01	761	6.563E+00
598	5.972E+02	639	3.474E+02	680	1.306E+02	721	3.427E+01	762	6.293E+00
599	5.936E+02	640	3.406E+02	681	1.267E+02	722	3.299E+01	763	6.086E+00
600	5.905E+02	641	3.342E+02	682	1.229E+02	723	3.146E+01	764	5.991E+00
601	5.864E+02	642	3.274E+02	683	1.197E+02	724	3.020E+01	765	5.756E+00
602	5.816E+02	643	3.207E+02	684	1.165E+02	725	2.911E+01	766	5.555E+00
603	5.773E+02	644	3.143E+02	685	1.134E+02	726	2.794E+01	767	5.503E+00
604	5.733E+02	645	3.074E+02	686	1.103E+02	727	2.678E+01	768	5.205E+00
605	5.688E+02	646	3.012E+02	687	1.071E+02	728	2.585E+01	769	4.870E+00
606	5.640E+02	647	2.954E+02	688	1.042E+02	729	2.475E+01	770	4.592E+00
607	5.596E+02	648	2.892E+02	689	1.013E+02	730	2.374E+01	771	4.286E+00
608	5.543E+02	649	2.825E+02	690	9.841E+01	731	2.277E+01	772	4.144E+00
609	5.484E+02	650	2.758E+02	691	9.544E+01	732	2.187E+01	773	4.001E+00
610	5.426E+02	651	2.694E+02	692	9.280E+01	733	2.097E+01	774	3.737E+00
611	5.368E+02	652	2.635E+02	693	9.016E+01	734	2.008E+01	775	3.559E+00
612	5.313E+02	653	2.578E+02	694	8.740E+01	735	1.929E+01	776	3.255E+00
613	5.250E+02	654	2.519E+02	695	8.485E+01	736	1.847E+01	777	3.103E+00
614	5.182E+02	655	2.463E+02	696	8.229E+01	737	1.743E+01	778	3.204E+00
615	5.115E+02	656	2.408E+02	697	7.978E+01	738	1.664E+01	779	3.003E+00
616	5.055E+02	657	2.354E+02	698	7.732E+01	739	1.622E+01	780	2.821E+00
617	5.001E+02	658	2.299E+02	699	7.489E+01	740	1.563E+01		
618	4.938E+02	659	2.244E+02	700	7.254E+01	741	1.496E+01		
619	4.867E+02	660	2.190E+02	701	7.016E+01	742	1.423E+01		
620	4.798E+02	661	2.137E+02	702	6.783E+01	743	1.354E+01		
621	4.730E+02	662	2.086E+02	703	6.556E+01	744	1.294E+01		
622	4.654E+02	663	2.034E+02	704	6.380E+01	745	1.246E+01		
623	4.584E+02	664	1.984E+02	705	6.171E+01	746	1.208E+01		
624	4.522E+02	665	1.934E+02	706	5.945E+01	747	1.177E+01		
625	4.458E+02	666	1.881E+02	707	5.749E+01	748	1.124E+01		

CIE 1931 x y Chromaticity Diagram



7-Step Chromaticity Quadrangles



[Goniophotometer System]

Total operating time for luminous intensity distribution: **1.0 hours**

Test orientation: **Downward**

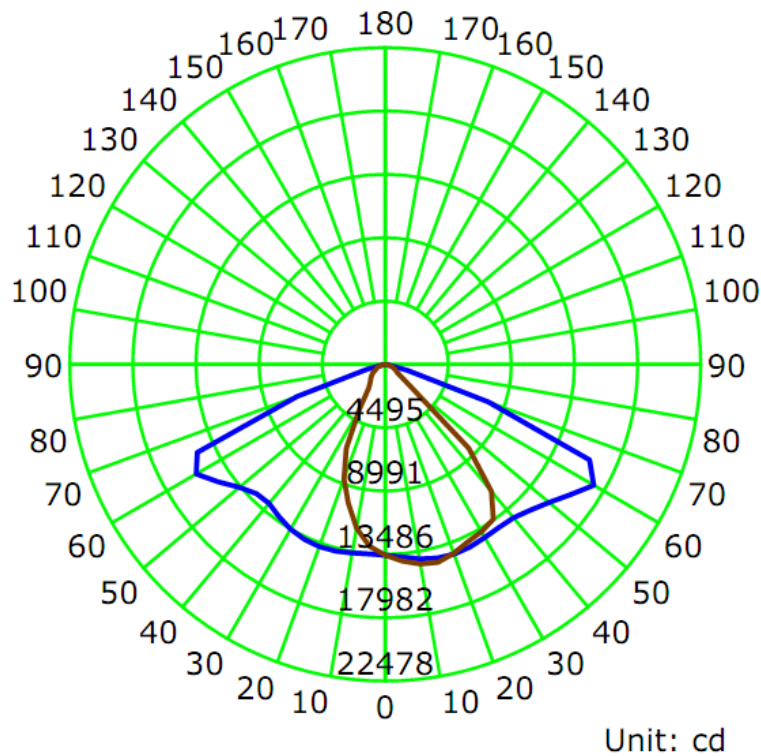
Electrical Measurement

Input Voltage (V)	Frequency (Hz)	Input Current (A)	Power (W)	Power Factor
120.0	60	2.3480	281.22	0.9980

Photometric Measurement

Luminous Flux (lm)	Efficacy (lm/W)	I_{max} (cd)	S/MH (C0/180)	S/MH (C90/270)
35310.3	125.61	17982.5	1.54	1.02

Luminous Intensity Distribution



	C0/180	C45/225	C90/270	C135/315	AVG.
Beam Angle (50% I_{max}):	138.4	83.2	69.2	85.6	94.1
Field Angle (10% I_{max}):	149.6	115.7	98.5	122.1	121.5

Luminous Intensity (cd) Distribution Data

C y	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°
0.0°	13542	13542	13542	13542	13542	13542	13542	13542
5.0°	13711	13889	13985	14000	14016	13911	13810	13666
10.0°	14013	14299	14480	14471	14387	14238	14121	13898
15.0°	14233	14731	15003	14836	14541	14486	14498	14228
20.0°	14327	15102	15369	14863	14275	14395	14789	14530
25.0°	14301	15372	15486	14691	13904	14117	14865	14787
30.0°	14194	15414	15418	14599	13710	14025	14809	14872
35.0°	14126	15235	15461	14611	13418	14008	14759	14785
40.0°	14213	15192	15956	13903	11791	13324	15093	14587
45.0°	14630	15636	16330	11878	8411	11341	15367	14809
50.0°	15254	16644	15644	6058	2006	5531	14583	15604
55.0°	16127	17983	12185	1280	1099	1225	11089	16972
60.0°	17159	17846	2622	967	880	955	2513	17181
65.0°	16059	11117	876	777	716	754	859	11248
70.0°	7818	1961	640	577	528	560	619	2176
75.0°	1622	522	428	341	294	325	390	606
80.0°	194	228	186	131	118	119	159	238
85.0°	0	0	8	0	0	0	0	0
90.0°	0	0	0	0	0	0	0	0
95.0°	0	0	0	0	0	0	0	0
100.0°	0	0	0	0	0	0	0	0
105.0°	0	0	0	0	0	0	0	0
110.0°	0	0	0	0	0	0	0	0
115.0°	0	0	0	0	0	0	0	0
120.0°	0	0	0	0	0	0	0	0
125.0°	0	0	0	0	0	0	0	0
130.0°	0	0	0	0	0	0	0	0
135.0°	0	0	0	0	0	0	0	0
140.0°	0	0	0	0	0	0	0	0
145.0°	0	0	0	0	0	0	0	0
150.0°	0	0	0	0	0	0	0	0
155.0°	0	0	0	0	0	0	0	0
160.0°	0	0	0	0	0	0	0	0
165.0°	0	0	0	0	0	0	0	0
170.0°	0	0	0	0	0	0	0	0
175.0°	0	7	9	0	0	9	12	8
180.0°	0	0	0	0	0	0	0	0

Luminous Intensity (cd) Distribution Data (cont.)

C y	180°	202.5°	225°	247.5°	270°	292.5°	315°	337.5°
0.0°	13542	13542	13542	13542	13542	13542	13542	13542
5.0°	13502	13307	13122	12990	12966	13063	13277	13517
10.0°	13593	13158	12543	11950	11792	12129	12835	13489
15.0°	13710	12853	11589	10457	10204	10693	11970	13289
20.0°	13764	12363	10321	8951	8637	9044	10781	12886
25.0°	13686	11644	8665	7050	6575	6996	9222	12289
30.0°	13505	10700	6378	4335	3722	4429	7072	11577
35.0°	13204	9444	3964	2318	2058	2662	4710	11089
40.0°	12879	8464	2728	1775	1680	1997	3732	10544
45.0°	12981	7907	2178	1513	1471	1658	3269	9822
50.0°	13578	7189	1819	1302	1297	1403	2763	8973
55.0°	14538	6361	1494	1131	1098	1211	2075	8032
60.0°	15551	5437	1166	923	825	1010	1430	7159
65.0°	14777	3590	913	692	689	749	1044	5114
70.0°	6693	1137	675	502	584	532	775	1601
75.0°	1322	393	375	261	257	290	434	437
80.0°	122	58	82	16	0	32	104	89
85.0°	0	0	0	0	0	0	0	0
90.0°	0	0	0	0	0	0	0	0
95.0°	0	0	0	0	0	0	0	0
100.0°	0	0	0	0	0	0	0	0
105.0°	0	0	0	0	0	0	0	0
110.0°	0	0	0	0	0	0	0	0
115.0°	0	0	0	0	0	0	0	0
120.0°	0	0	0	0	0	0	0	0
125.0°	0	0	0	0	0	0	0	0
130.0°	0	0	0	0	0	0	0	0
135.0°	0	0	0	0	0	0	0	0
140.0°	0	0	0	0	0	0	0	0
145.0°	0	0	0	0	0	0	0	0
150.0°	0	0	0	0	0	0	0	0
155.0°	0	0	0	0	0	0	0	0
160.0°	0	0	0	7	0	0	0	0
165.0°	0	0	0	8	8	9	9	0
170.0°	0	8	11	11	10	13	13	0
175.0°	0	10	12	10	8	10	10	0
180.0°	0	0	0	0	0	0	0	0

Zonal Lumen Density Measurement

Deg	Flux (lm)	%	Deg	Flux (lm)	%
0-5	323.8	0.92	0-5	323.8	0.92
5-10	966.2	2.74	0-10	1290.0	3.65
10-15	1582.0	4.48	0-15	2872.0	8.13
15-20	2141.3	6.06	0-20	5013.3	14.20
20-25	2609.2	7.39	0-25	7622.5	21.59
25-30	2945.5	8.34	0-30	10568.0	29.93
30-35	3171.6	8.98	0-35	13739.7	38.91
35-40	3375.5	9.56	0-40	17115.2	48.47
40-45	3553.4	10.06	0-45	20668.6	58.53
45-50	3521.6	9.97	0-50	24190.2	68.51
50-55	3309.7	9.37	0-55	27499.8	77.88
55-60	2998.0	8.49	0-60	30497.9	86.37
60-65	2485.7	7.04	0-65	32983.5	93.41
65-70	1540.6	4.36	0-70	34524.1	97.77
70-75	582.8	1.65	0-75	35106.9	99.42
75-80	170.1	0.48	0-80	35277.0	99.91
80-85	32.0	0.09	0-85	35309.0	100.00
85-90	0.1	0.00	0-90	35309.2	100.00
90-95	0.0	0.00	0-95	35309.2	100.00
95-100	0.0	0.00	0-100	35309.2	100.00
100-105	0.0	0.00	0-105	35309.2	100.00
105-110	0.0	0.00	0-110	35309.2	100.00
110-115	0.0	0.00	0-115	35309.2	100.00
115-120	0.0	0.00	0-120	35309.2	100.00
120-125	0.0	0.00	0-125	35309.2	100.00
125-130	0.0	0.00	0-130	35309.2	100.00
130-135	0.0	0.00	0-135	35309.2	100.00
135-140	0.0	0.00	0-140	35309.2	100.00
140-145	0.0	0.00	0-145	35309.2	100.00
145-150	0.0	0.00	0-150	35309.2	100.00
150-155	0.0	0.00	0-155	35309.2	100.00
155-160	0.0	0.00	0-160	35309.2	100.00
160-165	0.2	0.00	0-165	35309.4	100.00
165-170	0.4	0.00	0-170	35309.8	100.00
170-175	0.4	0.00	0-175	35310.2	100.00
175-180	0.1	0.00	0-180	35310.3	100.00

[Additional Test]

Test Item	Test Voltage (V)	Frequency (Hz)	Test Result
Power Factor:	120.0	60	5.49%
Total Harmonic Distortion:	277.0	60	13.41%
Total Harmonic Distortion:	277.0	60	0.9584

6. Product Photo



*****END OF REPORT*****