Report No.:DLF20170515001-3a
Project No.:DLF1704107
Report Date:20170515

Test Report

Applicant & Adderess			
Applicant Name	GREEN CREATIVE LTD		
Address	ROOM 1206-07 NEW VICTORY HOUSE 93-103 WING LOK STREET, CENTRAL HONGKONG		
Contact	Jianmei Hu		
Telephone	13361837826	Fax/ E-mail Address	jianmei.h@greencreative.com

Product Description	Lamp type:	Four-Foot Linear Replacement Lamps (T5HO replacements) - Replacement Lamps ("Plug and Play") (UL Type A)
	Manufacturer of Light Source	ShenZhen JuFei Optoelectronics Co., Ltd.
	Model Number of Light Sourc	2835 White SMD LED
Model Number	24T5HO/4F/830/DIR/R	
Electrical Specification	Rated Voltage	120-277Vac
	Frequency:	60 Hz
	Wattage:	29W
	Nominal CCT:	3000K
Test Laboratory & Address		
Test Laboratory	Deliver Co.， Ltd.	
Address	Block 11, 78 Keling Road, SSTP, Suzhou, China, 215000	

Telephone	0512-6680 1969	Fax	0512-6680 1916

Receipt Date of	2017/2/27	Test Period	See individual test page

Test by	Approved by
Wangzun Zhu /Wangzun Zhu	Kevin Jia /Kevin Jia
Test Personnel Name & Signatory	Approved Name & Signatory

Test Results

Statement of Results

Test No.	Test Method	Sample No.	Sample Serial No.	Result ~~(Pass/Fail/NA)~~
1	Integrating Sphere	C1	DLF1704107	Evaluated by Customer
2	Goniophotometer	C1	DLF1704107	Evaluated by Customer
3	Total Harmonic Distortion Test	C1	DLF1704107	Evaluated by Customer

Deviation from Test Method (if any)

N/A

Remark (if any)

This report shall not be used by the client to claim product endorsement by NVLAP, NIST or any agency of the US government.

Test Report

Test No.1: Integrating Sphere Test

Environmental Conditions			
Temperature (℃)	25.1	Relative Humidity (%)	58.3

Test Equipment			
Equipment ID	Equipment Name	Date	Calibration Due Date
DLF107	Integrating Sphere System	2016/12/28	2017/12/27
DLF108	Auxiliary Lamp	2016/12/28	2017/12/27
DLF122	Measurement Standard Lamp	2016/12/28	2017/12/27
	Standard Lamp Type: 220 V, 0.4720 A, Tungsten, Omni-derectional		
DLF116	AC Power Source	2016/12/28	2017/12/27
DLF113	Power Meter	2016/12/28	2017/12/27
DLF112	Temperature Recorder	2016/12/28	2017/12/27
DLF114	Temperature & Humidity Datalogger	2016/12/28	2017/12/27
Test Sample	C1		
Test Date	2017/3/1		

Test Method

The samples were tested according to the IES LM-79-2008.

Photometric paramters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at 25º C ± 1º C.

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.

The sample is operated off ballast Model RHA-UNV-254-LT5 , manufactured by RACEHORSE.

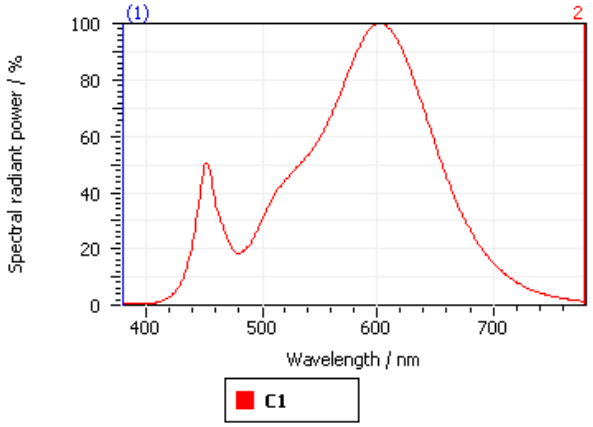
Test Results

Test Type	Voltage (V AC)	Frequency (Hz)	Current (A)	Power (W)	Power Factor	Orientation	Operate time (Min.)	Stabilization time (Min.)
Input	120.01	60.00	0.245	29.32	0.997	Light Down	60	30

Test Type	CCT (K)	Color Rendering Index Ra	R9	Luminous Flux (lm)	Luminous Efficacy (lm/W)
Output	2958	81.4	2.2	3422	116.7

Spectroradiometric Parameters

Results



Spectral values

DominantWavelength	583.25 nm
Purity	0.527
PeakWavelength	603.03 nm
Width50%:	123.03 nm

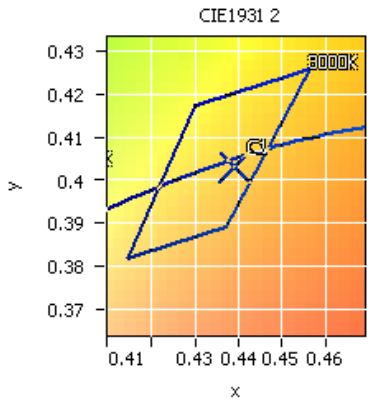
Color Coordinates

Correlated Color Temperature 2958 K

x:	0.4389	u:	0.2523	u':	0.2523
y:	0.4030	v:	0.3475	v':	0.5213

ResultsCRICRI01	79.7	ResultsCRICRI09	2.2
ResultsCRICRI02	90.8	ResultsCRICRI10	79.2
ResultsCRICRI03	95.5	ResultsCRICRI11	77.8
ResultsCRICRI04	78.7	ResultsCRICRI12	71.5
ResultsCRICRI05	80.0	ResultsCRICRI13	82.3
ResultsCRICRI06	89.0	ResultsCRICRI14	98.3
ResultsCRICRI07	81.1	ResultsCRICRI15	71.9
ResultsCRICRI08	56.1	ResultsCRICRI16	69.3

ResultsCRI 81.4



Nominal CCT:5000K

PlanckDistance -7.0E-004

Test Report

Test No.2: Goniophotometer Test

Environmental Conditions			
Temperature (℃)	25.2	Relative Humidity (%)	58.5

Test Equipment			
Equipment ID	Equipment Name	Last Calibration Date	Calibration Due Date
DLF101	Goniophotometer	2016/12/28	2017/12/27
DLF125	Standard Lamp	2016/12/28	2017/12/27
	Standard Lamp Type: 76.58 V, 6.7875 A, Tungsten, Omni-derectional		
DLF104	AC Power Source	2016/12/28	2017/12/27
DLF507	DC Power Source	2016/12/28	2017/12/27
DLF102	Power Meter	2016/12/28	2017/12/27
DLF111	Temperature & Humidity Datalogger	2016/12/28	2017/12/27

Test Sample	C1
Test Date	2017/5/12

Test Method

The samples were tested according to the IES LM-79-2008.

Photometric paramters were measured using a type C goniophotometer and software.

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 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 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^{o} vertical intervals and 10^{o} horizontal intervals.

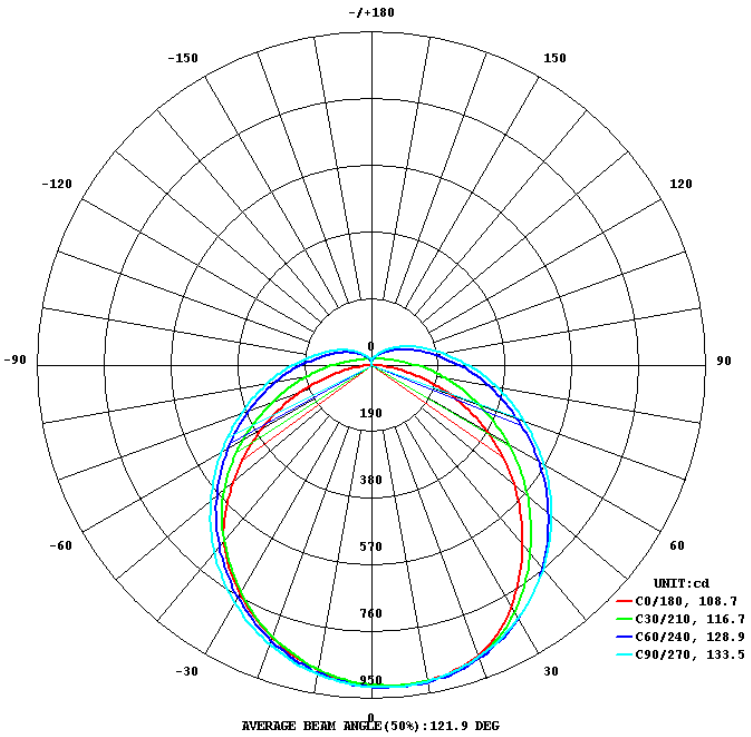
The sample is operated off ballast Model RHA-UNV-254-LT5 , manufactured by RACEHORSE.

Test Results

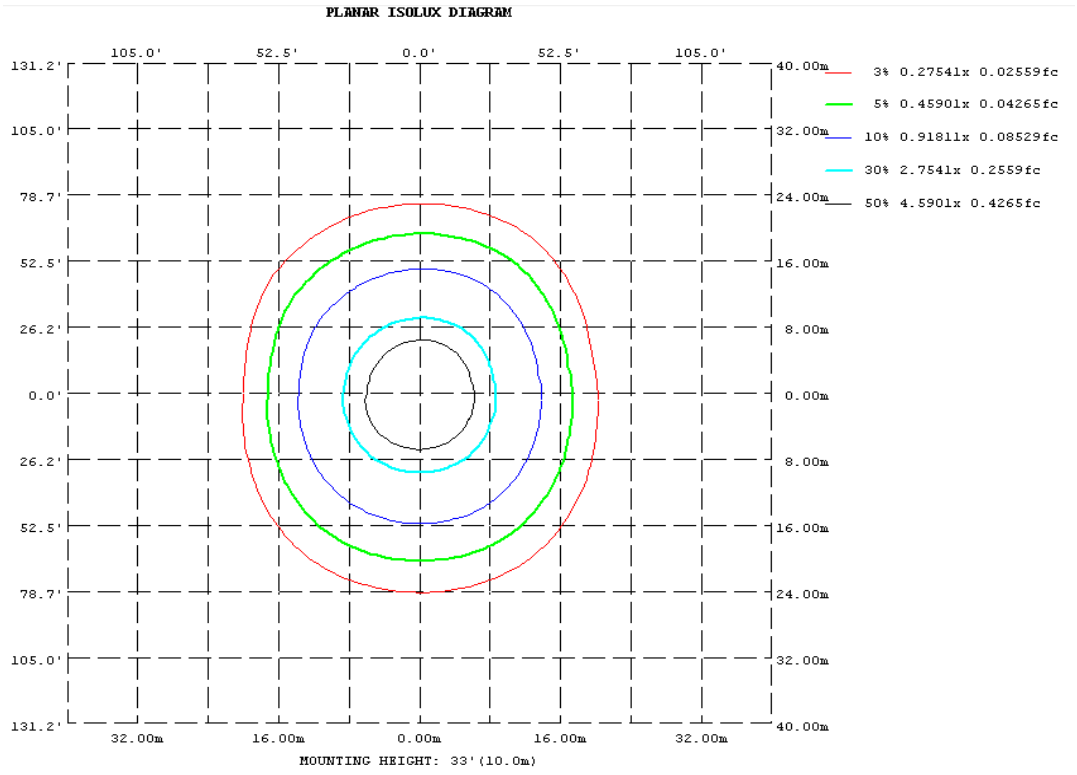
Test Type	Voltage (V AC)	Frequency (Hz)	Current (A)	Power (W)	Power Factor	Orientation	Operate time (Min.)	Stabilization time (Min.)
Input	120.04	60.00	0.248	29.56	0.994	Light Down	120	60

Test Type	Total Flux (lm)	Field angle (10%)		Beam angle (50%)		Zonal Lumen Result	Spacing Criteria		Luminous Efficacy (lm/W)
		C90-270	C0-180	C90-270	C0-180	0º-60º	0º-180º	90º-270º	
Output	3491	245.0	158.1	133.5	108.7	61.6%	1.24	1.27	118.1

Light Distrubtion Curve



Isolux Plot



PlotZonal Lumen Tabulation

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	912.0	914.9	914.0	916.2	881.2	883.4	893.8	893.3	0- 10	86.71	86.71	2.48,2.48
20	880.6	888.9	885.7	884.8	826.4	830.2	847.2	844.9	10- 20	249.8	336.5	9.64,9.64
30	794.3	828.0	832.7	817.3	751.6	755.5	781.8	775.3	20- 30	382.3	718.9	20.6,20.6
40	668.8	734.1	758.8	720.6	654.5	664.6	695.8	683.2	30- 40	466.9	1186	34,34
50	529.3	620.9	668.1	608.7	515.7	562.1	598.1	569.7	40- 50	495.2	1681	48.2,48.2
60	380.3	501.7	566.3	491.5	363.8	454.2	494.5	452.4	50- 60	468.7	2150	61.6,61.6
70	229.4	386.1	461.0	377.4	210.2	347.2	393.6	341.1	60- 70	399.3	2549	73,73
80	88.76	283.7	362.6	276.0	69.91	251.1	303.2	244.6	70- 80	306.1	2855	81.8,81.8
90	2.589	200.4	276.3	194.1	1.105	175.1	228.1	170.0	80- 90	214.0	3069	87.9,87.9
100	1.450	139.3	206.2	133.7	1.863	118.9	168.2	113.8	90-100	145.1	3214	92.1,92.1
110	2.363	97.67	152.2	94.10	3.069	83.12	123.5	77.93	100-110	99.31	3314	94.9,94.9
120	2.306	69.10	110.4	67.25	3.365	58.67	90.41	53.91	110-120	67.57	3381	96.9,96.9
130	2.044	50.07	79.01	49.49	3.124	42.77	64.34	39.08	120-130	45.10	3426	98.2,98.2
140	2.027	37.76	56.20	37.44	2.896	33.13	45.59	30.59	130-140	29.51	3456	99,99
150	2.009	29.44	39.43	29.12	2.575	27.04	33.16	25.58	140-150	18.61	3474	99.5,99.5
160	1.474	23.61	27.58	21.87	2.357	20.76	24.79	22.52	150-160	10.67	3485	99.8,99.8
170	1.568	15.22	20.62	11.23	2.308	13.68	19.61	17.89	160-170	4.749	3490	100,100
180	2.105	1.583	1.529	2.033	2.309	2.108	1.529	1.775	170-180	0.7550	3491	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Intensity Data(cd)

CANDELA TABULATION

	0	10	20	30	40	50	60	70	80	90
0	915.164	915.164	915.164	915.164	915.164	915.164	915.164	915.164	915.164	915.164
5	918.990	919.230	919.390	919.720	920.270	920.490	919.800	920.330	918.730	899.880
10	914.040	913.870	914.460	914.190	915.680	916.730	916.730	917.630	915.610	881.160
15	902.920	901.960	902.660	902.620	904.270	905.160	905.340	905.470	903.930	856.660
20	885.710	883.600	883.830	883.340	884.840	884.840	883.500	881.860	879.220	826.410
25	862.160	858.560	859.690	856.960	857.630	853.770	848.800	842.910	839.570	791.120
30	832.730	828.410	829.490	824.460	821.060	813.560	802.370	794.050	787.920	751.570
35	797.620	794.130	793.340	785.460	778.950	765.110	750.130	737.040	729.690	707.110
40	758.810	755.810	751.140	741.600	730.390	710.790	692.470	675.590	665.430	654.470
45	715.160	711.760	706.150	695.150	677.990	654.300	630.490	610.780	597.410	589.110
50	668.140	663.070	658.250	645.080	622.720	594.530	566.740	543.120	527.320	515.700
55	617.880	612.540	607.390	593.250	566.410	534.240	501.290	473.380	454.700	440.540
60	566.290	562.120	553.550	538.280	509.770	473.070	436.350	403.270	381.920	363.790
65	513.290	507.230	499.670	484.470	453.450	414.000	372.800	334.310	307.860	286.220
70	461.000	453.460	447.430	430.230	398.020	356.630	311.890	268.470	235.570	210.230
75	410.660	403.230	397.220	380.170	345.910	302.520	254.810	206.820	166.830	136.610
80	362.580	354.700	348.160	332.550	298.390	253.460	203.460	151.670	104.310	69.910
85	317.660	312.480	300.980	286.830	255.030	210.440	160.150	106.200	54.250	18.970
90	276.350	270.960	262.170	246.620	215.530	172.500	122.800	70.320	22.280	1.110
95	239.000	234.120	225.240	211.030	181.890	139.670	92.840	46.510	10.250	1.390
100	206.210	201.610	194.440	179.960	152.740	114.500	73.240	34.090	7.830	1.860
105	177.540	173.620	166.130	152.410	128.940	94.990	59.200	27.080	7.530	2.490
110	152.170	148.830	141.600	129.350	109.000	79.140	48.670	23.180	7.750	3.070
115	129.930	127.120	120.310	109.070	91.750	66.820	41.570	21.160	8.530	3.350
120	110.360	107.900	101.800	91.670	77.340	57.130	36.530	20.230	9.760	3.370
125	93.470	91.180	86.050	77.270	65.470	49.590	33.060	19.750	11.320	3.360
130	79.010	77.050	72.670	65.330	55.350	43.610	30.560	19.640	12.590	3.120
135	66.630	64.940	61.480	55.170	47.330	38.430	28.530	19.690	13.680	2.940
140	56.200	54.630	51.650	46.890	40.900	33.960	26.750	19.850	14.010	2.900
145	47.080	45.890	43.720	40.090	35.510	30.270	25.190	19.960	11.140	2.740
150	39.430	38.610	37.020	34.360	30.960	27.280	23.410	20.630	7.560	2.570
155	32.820	32.400	31.160	29.360	27.130	24.570	21.280	18.210	5.220	2.420
160	27.580	27.320	26.560	25.590	23.470	20.270	18.250	11.630	2.600	2.360
165	23.770	23.580	23.080	20.440	18.030	16.250	13.980	5.100	1.230	2.320
170	20.620	20.220	17.670	14.680	12.870	9.590	4.780	2.750	2.030	2.310
175	3.060	2.750	2.630	2.480	2.200	2.250	2.650	2.840	2.660	2.290
180	1.540	1.540	1.540	1.540	1.540	1.540	1.540	1.540	1.540	1.540

Vert. Angles	Horizontal Angles									
	100	110	120	130	140	150	160	170	180	190
0	915.164	915.164	915.164	915.164	915.164	915.164	915.164	915.164	915.164	915.164
5	898.640	898.760	899.280	900.420	903.390	904.380	907.530	908.190	908.190	911.560
10	878.910	880.040	880.220	882.680	884.040	889.900	891.700	892.830	893.810	897.520
15	853.460	854.250	855.080	859.440	860.880	868.340	868.280	871.380	872.870	877.680
20	821.950	822.410	824.950	828.510	831.960	836.920	840.820	845.250	847.170	852.660
25	785.400	785.560	787.810	793.590	797.840	800.660	808.190	814.090	816.900	820.700
30	744.550	744.020	746.300	752.760	758.120	762.800	769.310	776.920	781.780	783.750
35	700.010	698.500	700.970	709.620	714.570	722.170	726.710	734.570	741.100	744.980
40	648.890	649.120	654.400	661.780	667.310	674.860	681.850	689.160	695.810	702.580
45	587.680	593.150	603.920	611.420	616.370	624.880	634.780	641.280	647.910	653.060
50	516.550	530.190	548.250	559.380	564.780	574.440	584.330	591.220	598.110	599.360
55	443.160	460.600	486.990	505.110	512.330	524.020	532.700	539.610	546.730	547.930
60	368.180	390.760	422.440	448.840	459.460	472.610	481.170	488.560	494.540	495.450
65	293.530	321.860	358.930	392.290	407.960	420.570	430.650	437.380	443.340	441.240
70	221.700	255.910	297.880	336.610	357.700	371.310	381.080	389.410	393.620	388.200
75	154.190	195.660	241.630	284.410	309.620	324.170	334.650	342.340	346.960	342.200
80	95.050	142.420	191.680	237.060	265.070	280.670	292.020	299.120	303.220	302.720
85	49.900	99.320	149.850	194.800	225.200	241.560	252.480	260.530	263.700	260.800

Light Distrubtion Curve (Cont'd)

CANDELA TABULATION - (Cont.)

90	24.070	68.180	116.340	160.140	189.950	206.200	217.620	224.630	228.060	224.250
95	13.710	47.300	89.320	129.070	157.270	173.450	187.100	193.920	196.160	192.280
100	10.300	35.740	70.110	105.760	131.800	147.510	157.370	166.750	168.230	163.960
105	10.020	28.600	56.840	87.600	110.630	125.100	134.280	141.070	143.910	140.070
110	10.470	24.760	47.030	73.160	92.970	106.730	115.740	120.260	123.470	119.750
115	11.600	22.690	39.870	61.400	78.120	90.530	99.010	103.520	106.010	102.590
120	12.940	21.870	34.920	51.880	65.380	76.320	84.260	88.450	90.410	87.290
125	14.250	21.740	31.850	44.410	55.340	64.450	71.140	74.870	76.620	73.870
130	15.530	21.850	29.790	38.550	46.940	54.360	59.960	63.320	64.340	62.330
135	16.180	22.140	28.340	34.280	40.460	46.170	50.620	53.470	54.220	52.550
140	16.250	22.290	27.180	30.870	35.360	39.580	42.870	45.040	45.590	44.290
145	16.260	22.570	26.120	28.260	31.330	34.480	36.790	38.360	38.650	37.740
150	15.520	21.910	25.090	26.090	27.980	30.190	31.770	32.950	33.160	32.420
155	9.490	19.180	22.490	24.380	25.310	26.660	27.640	28.470	28.700	28.110
160	5.400	15.170	19.090	19.570	21.940	23.880	24.400	24.920	24.790	24.710
165	2.850	8.730	15.990	16.800	15.890	18.490	20.970	22.260	22.180	22.040
170	2.370	4.350	9.060	13.840	13.520	11.650	13.700	16.990	19.610	19.490
175	2.270	3.380	3.530	5.620	6.480	6.870	6.820	5.330	6.840	12.930
180	1.540	1.540	1.540	1.540	1.540	1.540	1.540	1.540	1.540	1.540

Vert. Angles	**Horizontal Angles**									
	200	**210**	**220**	**230**	**240**	**250**	**260**	**270**	**280**	**290**
0	915.164	915.164	915.164	915.164	915.164	915.164	915.164	915.164	915.164	915.164
5	911.280	910.630	909.980	907.140	905.080	903.370	901.560	915.230	915.330	916.000
10	898.670	897.340	895.490	891.200	887.260	884.110	882.210	912.030	911.940	913.030
15	880.340	878.200	874.390	867.810	862.840	858.770	856.560	901.330	901.430	902.360
20	856.720	853.340	849.340	840.410	833.370	828.240	824.660	880.620	880.120	882.220
25	827.310	823.940	818.260	807.790	798.590	792.430	788.240	846.030	846.350	850.740
30	791.290	789.260	781.000	769.630	760.050	751.670	747.400	794.250	795.580	803.790
35	752.050	749.350	738.300	724.980	713.660	703.490	698.570	734.020	737.120	747.180
40	708.520	704.310	691.310	675.130	658.900	646.670	641.280	668.830	673.400	684.590
45	660.030	655.230	638.760	618.210	597.560	581.130	573.630	599.780	606.170	618.640
50	605.720	602.150	582.370	556.970	533.640	513.700	503.580	529.340	535.480	551.660
55	550.540	546.440	525.160	496.030	468.240	445.340	431.800	455.930	462.950	482.430
60	494.620	492.430	467.790	436.870	404.650	376.160	359.730	380.320	389.350	412.960
65	442.810	436.920	411.900	378.220	342.420	309.720	287.910	304.740	315.380	345.060
70	388.710	382.750	359.560	322.490	283.440	245.710	217.900	229.420	243.140	279.670
75	339.100	332.110	309.350	271.270	229.170	186.210	151.030	156.680	175.240	217.500
80	291.880	284.180	263.810	225.320	181.140	134.660	92.000	88.760	113.630	162.050
85	256.390	242.210	220.960	184.410	140.820	92.990	46.930	32.250	63.990	116.240
90	217.840	206.460	187.790	152.170	109.160	63.360	21.270	2.590	31.260	80.380
95	184.830	172.660	154.390	122.900	83.590	43.540	12.720	0.940	14.120	52.960
100	156.750	144.560	127.110	100.390	65.850	32.540	9.170	1.450	9.950	38.860
105	132.880	121.230	105.140	82.700	53.170	25.750	8.530	2.230	8.980	30.690
110	113.420	102.570	87.590	68.230	44.200	22.070	9.340	2.360	9.060	25.980
115	96.660	86.730	72.860	56.270	37.360	20.410	10.690	2.330	9.710	23.260
120	81.870	72.880	60.760	47.040	32.310	19.790	12.120	2.310	10.770	21.980
125	69.080	61.270	51.230	39.820	28.780	19.770	13.510	2.170	12.020	21.260
130	58.340	51.720	43.520	34.630	26.420	19.770	14.920	2.040	13.100	20.890
135	49.180	43.860	37.580	30.950	24.740	19.790	15.660	2.040	14.610	20.850
140	41.630	37.750	33.040	28.130	23.540	19.990	15.500	2.030	15.650	20.870
145	35.780	32.950	29.520	26.000	22.810	20.310	15.370	2.020	14.090	20.690
150	31.070	29.060	26.740	24.420	22.290	20.440	15.190	2.010	10.380	20.990
155	27.250	26.020	24.620	23.160	21.930	20.250	14.670	1.860	3.780	20.730
160	24.280	23.630	22.860	22.190	21.610	19.170	13.900	1.470	2.210	15.890
165	21.960	21.690	21.370	21.080	19.920	17.900	11.810	1.210	1.370	4.910
170	19.500	19.340	18.270	17.520	16.660	14.490	8.760	1.570	2.290	3.670
175	12.950	11.520	10.370	8.890	8.110	6.740	4.310	2.040	2.900	3.000
180	1.540	1.540	1.540	1.540	1.540	1.540	1.540	1.540	1.540	1.540

Light Distrubtion Curve (Cont'd)

CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles						
	300	310	320	330	340	350	360
0	915.164	915.164	915.164	915.164	915.164	915.164	915.164
5	915.110	917.900	918.720	921.410	919.920	919.630	918.990
10	912.380	915.080	914.690	918.270	916.540	914.870	914.040
15	903.200	905.940	905.390	905.690	906.240	903.750	902.920
20	885.310	888.350	889.490	888.170	889.110	886.410	885.710
25	855.810	861.540	864.390	866.300	864.960	862.060	862.160
30	811.800	825.510	830.520	835.520	835.600	832.510	832.730
35	759.840	779.360	789.690	796.650	799.860	797.480	797.620
40	702.320	725.700	742.380	753.770	759.910	758.090	758.810
45	641.670	668.850	688.990	707.620	715.200	714.390	715.160
50	579.010	608.940	632.680	656.910	667.310	667.190	668.140
55	514.330	547.130	574.960	603.700	614.030	617.850	617.880
60	449.810	485.330	517.950	549.150	562.260	565.800	566.290
65	384.740	424.280	461.080	493.780	507.140	512.760	513.290
70	322.790	366.340	405.690	437.880	453.050	459.900	461.000
75	265.780	312.520	352.840	386.820	402.200	407.340	410.660
80	214.540	262.910	304.330	337.820	353.830	359.410	362.580
85	169.800	218.990	260.700	292.580	306.090	314.460	317.660
90	132.380	180.100	220.560	250.790	265.250	273.380	276.350
95	100.530	147.630	188.460	213.430	228.060	237.460	239.000
100	79.240	121.180	157.290	183.050	197.240	203.650	206.210
105	64.180	100.360	132.520	154.740	168.030	174.240	177.540
110	53.030	83.770	111.420	130.750	143.200	150.620	152.170
115	44.880	70.620	93.170	109.920	120.770	128.710	129.930
120	39.180	60.010	78.090	92.390	102.430	108.920	110.360
125	35.120	51.200	65.850	78.130	86.440	91.770	93.470
130	32.080	44.340	55.730	65.770	73.080	77.430	79.010
135	29.510	38.790	47.800	55.520	61.740	65.160	66.630
140	27.290	34.290	41.190	47.200	52.050	54.910	56.200
145	25.480	30.610	35.740	40.440	43.980	46.220	47.080
150	24.290	27.640	31.230	34.660	37.240	38.990	39.430
155	22.300	25.330	27.490	29.700	31.470	32.590	32.820
160	21.720	22.560	24.650	25.970	26.840	27.440	27.580
165	18.330	21.000	21.950	22.170	23.370	23.710	23.770
170	3.710	12.450	17.970	20.050	20.540	20.620	20.620
175	2.550	1.670	1.860	2.220	2.400	2.940	3.060
180	1.540	1.540	1.540	1.540	1.540	1.540	1.540

Test Report

Test No.3: Total Harmonic Distortion Test

Environmental Conditions			
Temperature (℃)	25.0	Relative Humidity (%)	58.1

Test Equipment

Equipment ID	Equipment Name	Last Calibration Date	Calibration Due Date
DLF119	Power Meter	2017/1/5	2018/1/4
DLF116	AC Power Supply	2017/1/5	2018/1/4
DLF114	Temperature & Humidity Datalogger	2017/1/5	2018/1/4

Test Sample	C1
Test Date	2017/3/1

Test Method

The samples were tested according to the ANSI C82.77:2002.

The total harmonic distortion shall be measured to the 40th order.

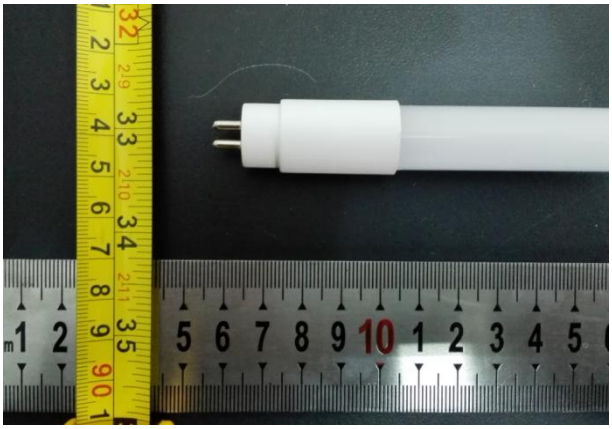
The ambient temperature condition was maintained at 25º C ± 1º C. The sample measurements were made using a digital power meter and power supply. The sample was operated at rated voltage and was stabilized before measurement. The total harmonic distortion were calculated.

The sample is operated off ballast Model RHA-UNV-254-LT5 , manufactured by RACEHORSE.

Test Results

Test Type	Voltage (V AC)	Frequency (Hz)	Current (A)	Power (W)	Power Factor	Current THD (%)	Operate time (Min.)	Stabilization time (Min.)
Input	277.04	60	0.115	31.45	0.987	8.07	40	30

Test Report	
Test Sample	C1
Photos of Sample	



********** End of Test Report**********