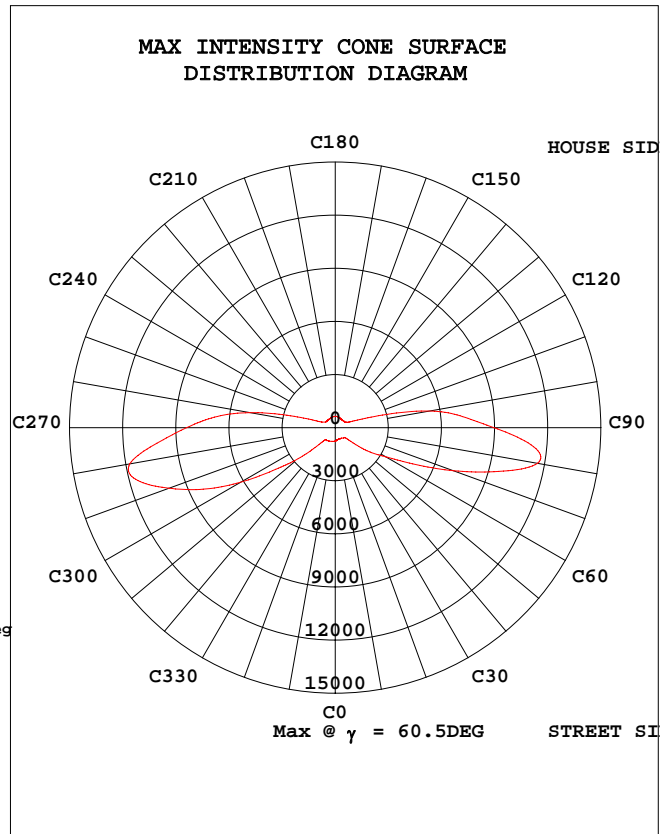
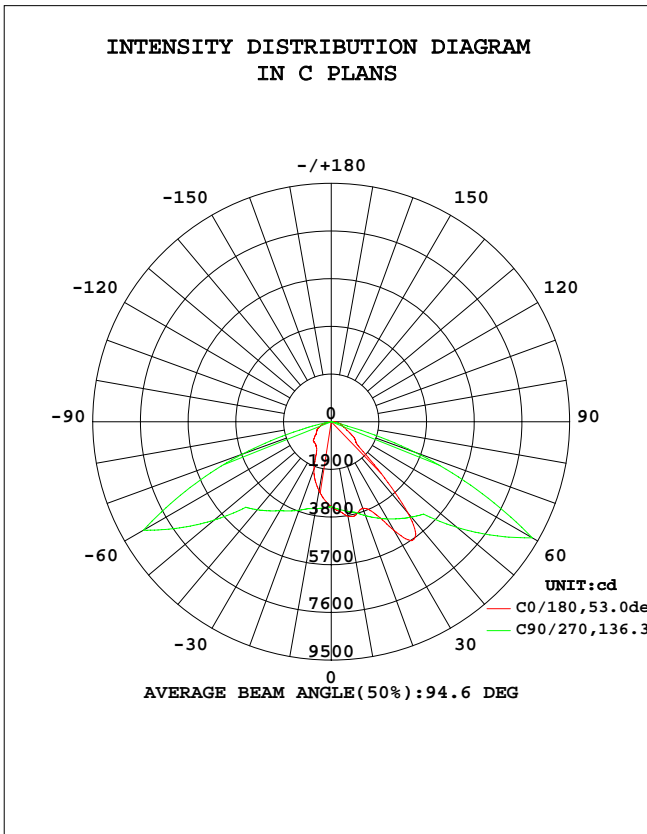


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME:150W LED STREET LIGHT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	SL2-150W	Imax(cd)	11781	η street_up(%)	0.0
NOMINAL POWER(W)	156.5	LOR(%)	100.0	η street_down(%)	73.4
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	13462	η house_up(%)	0.0
NOMINAL FLUX(lm)	13461.8	MAXIMUM @(C, γ)	280,60.5	η house_down(%)	26.6
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	220.6	η down(%)	100.0	SLI	



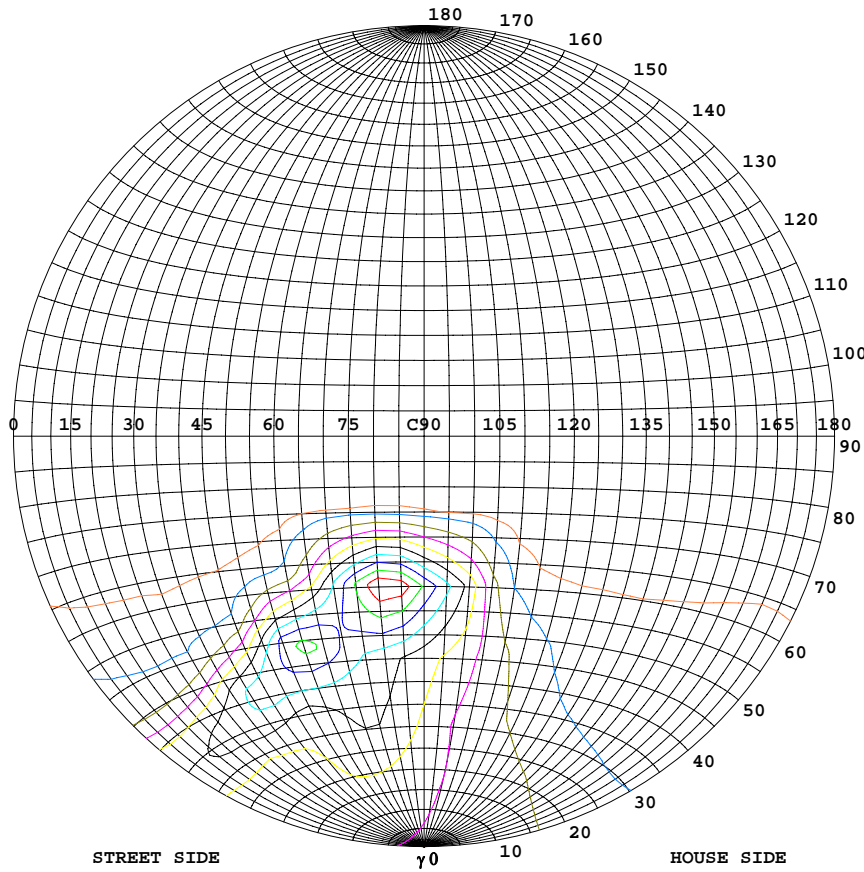
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YaoPeng
 Test Date:2013-08-07

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.274
 Humidity:65.0%
 Test Distance:12.370m [K=1.0000]
 Remarks:

Note: SLI:Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

NAME:150W LED STREET LIGHT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



Classification:

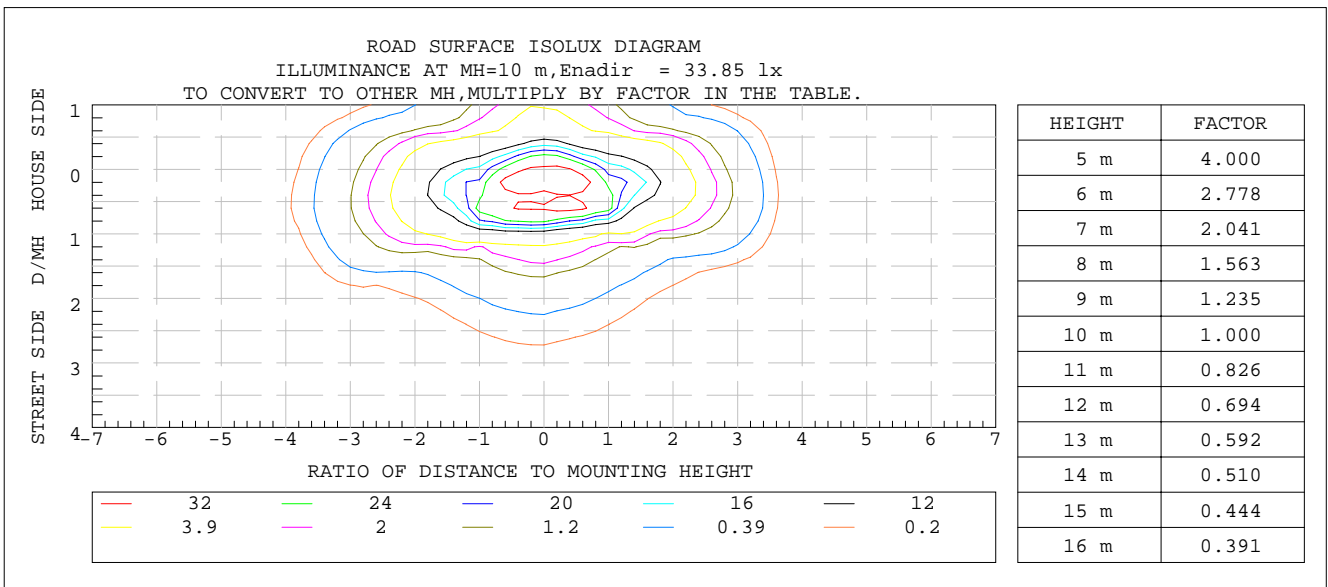
IES:Type I - Very Short
 CIE:Narrow - Intermediate
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:22.82cd/klm
 Max.At90:2.311cd/klm
 Max.80-90:22.82cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	11781
90%	10603
80%	9425
70%	8247
60%	7069
50%	5891
40%	4713
30%	3534
20%	2356
10%	1178
5%	589

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YaoPeng
 Test Date:2013-08-07

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.274
 Humidity:65.0%
 Test Distance:12.370m [K=1.0000]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: YaoPeng
Test Date: 2013-08-07

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.274
Humidity: 65.0%
Test Distance: 12.370m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

NAME:150W LED STREET LIGHT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

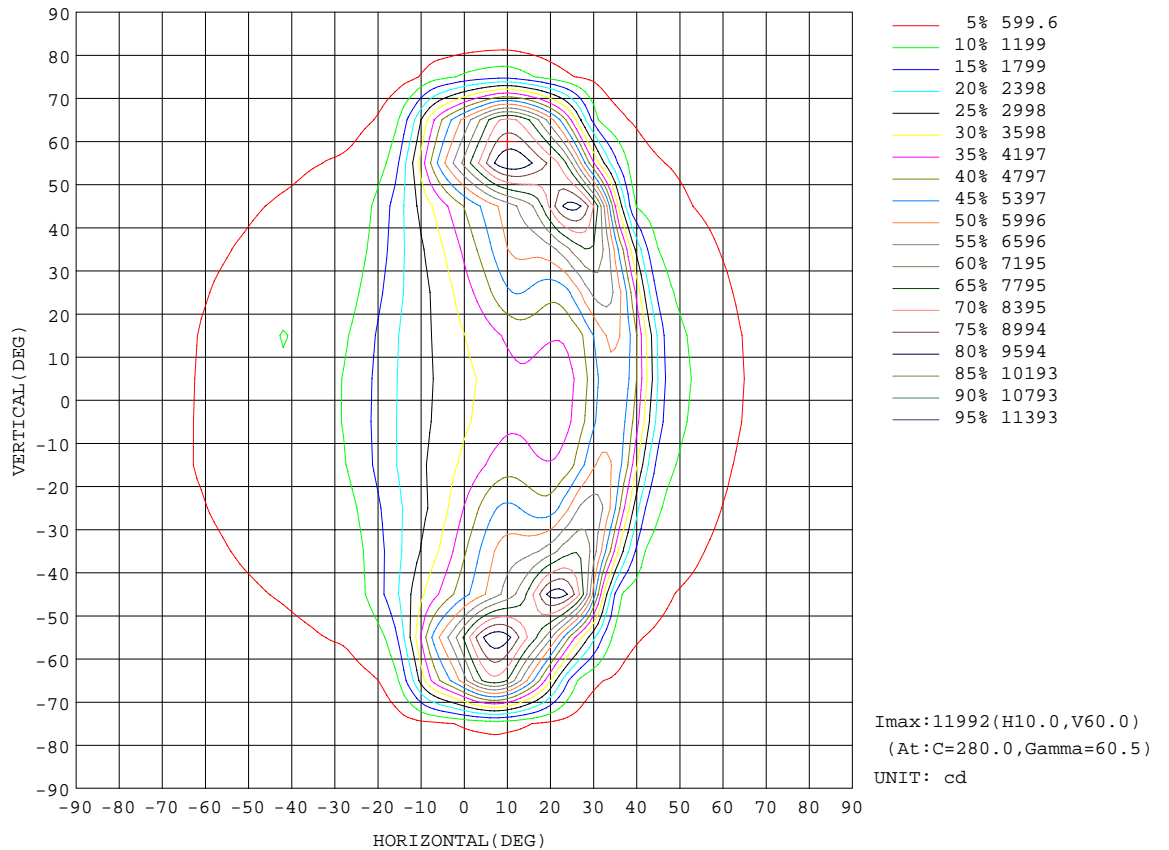
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	357.7	365.3	350.3	326.0	312.2	323.1	345.1	359.8	0- 5	81.67	81.67	0.61,0.61
10	382.2	399.9	362.0	306.4	279.9	301.5	351.7	386.2	5- 10	246.8	328.5	2.44,2.44
15	384.0	432.8	373.8	282.2	245.4	276.6	358.3	418.1	10- 15	412.4	740.9	5.5,5.5
20	367.5	439.1	398.2	254.4	201.8	249.9	375.2	442.6	15- 20	568.7	1310	9.73,9.73
25	400.2	451.3	422.7	217.4	143.1	213.1	392.2	459.6	20- 25	716.9	2026	15.1,15.1
30	499.9	490.5	447.2	169.1	118.4	162.8	409.1	476.4	25- 30	878.0	2905	21.6,21.6
35	573.5	608.6	471.7	125.2	109.6	121.2	433.5	537.6	30- 35	1089	3993	29.7,29.7
40	477.3	748.4	496.2	99.61	107.0	99.42	457.9	681.1	35- 40	1300	5294	39.3,39.3
45	242.8	683.5	520.7	89.19	99.12	89.47	482.3	775.5	40- 45	1405	6699	49.8,49.8
50	129.8	427.2	655.4	81.93	80.13	81.26	609.8	660.7	45- 50	1412	8111	60.2,60.2
55	111.5	156.3	790.2	71.43	72.01	71.94	737.2	379.2	50- 55	1400	9511	70.6,70.6
60	80.37	84.86	924.9	60.11	65.27	61.11	864.7	164.1	55- 60	1350	10861	80.7,80.7
65	60.51	60.08	638.9	50.48	54.99	51.34	620.0	78.36	60- 65	1159	12020	89.3,89.3
70	47.82	41.38	353.0	39.99	43.08	41.26	375.3	54.19	65- 70	789.8	12810	95.2,95.2
75	38.79	27.92	67.06	29.00	26.88	30.32	130.5	37.78	70- 75	440.1	13250	98.4,98.4
80	29.11	14.37	0	15.89	13.02	16.87	0	20.88	75- 80	167.8	13418	99.7,99.7
85	14.80	0	0	0	3.059	0	0	0	80- 85	38.78	13457	100,100
90	3.111	0	0	0	0.1272	0	0	0	85- 90	4.909	13462	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:×10cd								UNIT:lm			

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YaoPeng
 Test Date:2013-08-07

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.274
 Humidity:65.0%
 Test Distance:12.370m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

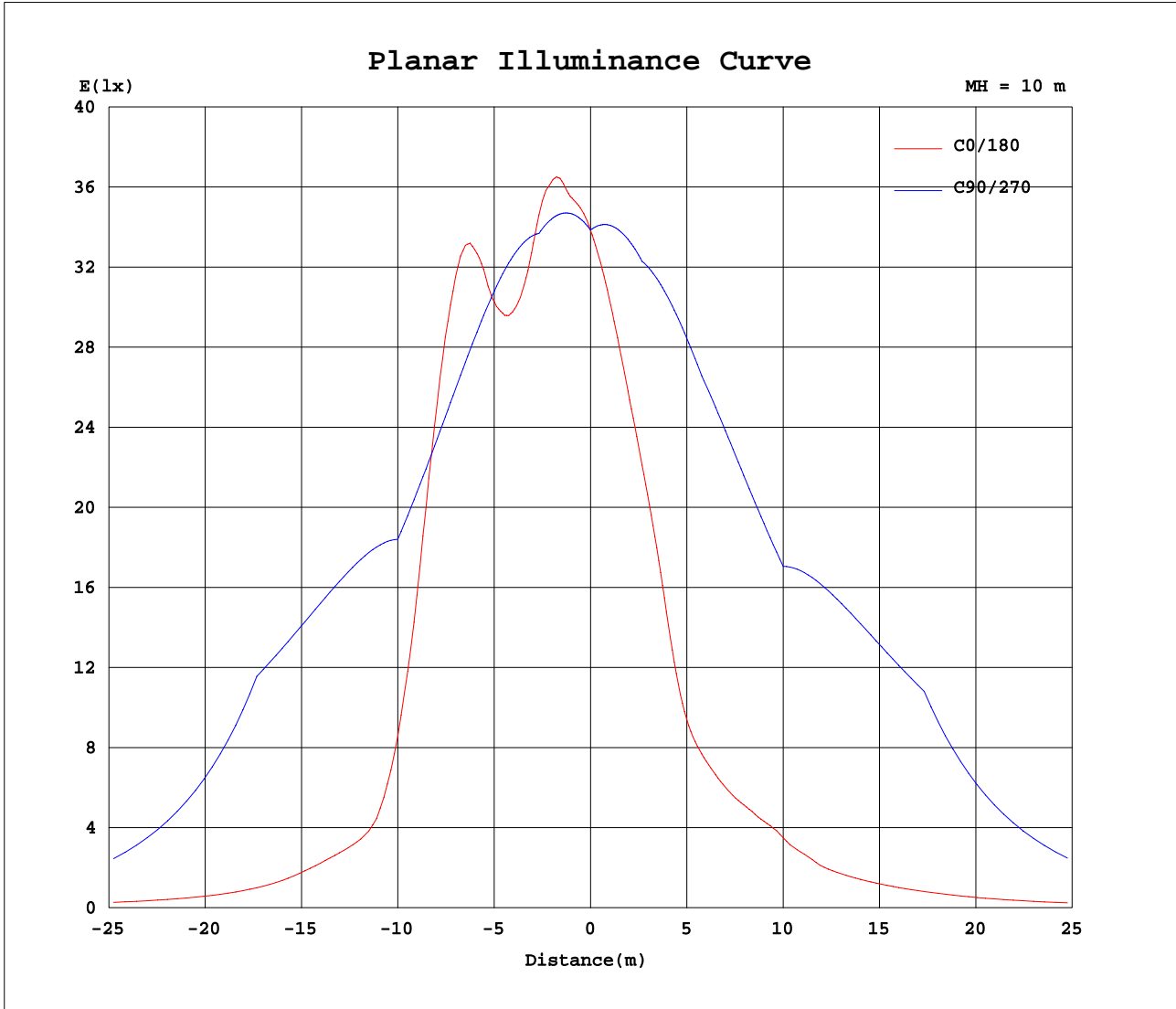
NAME:150W LED STREET LIGHT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YaoPeng
 Test Date:2013-08-07

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.274
 Humidity:65.0%
 Test Distance:12.370m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: YaoPeng
 Test Date: 2013-08-07

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.274
 Humidity: 65.0%
 Test Distance: 12.370m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME:150W LED STREET LIGHT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: ×10cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	339	339	339	339	339	339	339	339	339	339	339	339	339	339	339	339	339	339	339
5	358	359	361	362	364	365	365	366	366	365	365	364	363	361	359	357	355	353	350
10	382	386	390	393	396	398	400	401	401	400	399	397	394	390	385	380	374	368	362
15	384	389	394	399	405	411	417	423	429	433	435	434	430	425	417	407	396	385	374
20	367	374	381	388	394	402	410	418	428	439	453	468	476	477	472	459	440	419	398
25	400	410	416	419	420	420	421	423	436	451	470	493	516	531	532	518	491	457	423
30	500	515	524	527	521	512	503	502	500	491	493	510	539	569	587	579	547	497	447
35	574	576	582	593	605	619	632	641	638	609	569	541	574	605	622	615	578	526	472
40	477	454	449	469	505	539	600	672	728	748	725	709	704	689	669	647	606	552	496
45	243	223	218	224	251	291	368	494	589	683	783	846	872	829	746	688	633	577	521
50	130	126	124	122	124	132	146	216	297	427	646	868	948	900	813	803	810	757	655
55	111	105	102	99.6	99.3	101	97.5	104	122	156	353	563	669	748	804	896	991	944	790
60	80.4	74.6	71.7	70.5	70.3	72.0	71.6	74.4	78.3	84.9	154	265	360	510	724	952	1157	1134	925
65	60.5	56.7	54.7	53.6	52.8	51.8	50.3	53.0	56.5	60.1	72.0	79.4	129	290	506	685	824	795	639
70	47.8	44.9	44.0	43.4	42.2	41.1	40.0	39.1	38.3	41.4	48.5	55.7	74.6	156	277	379	454	440	353
75	38.8	36.8	36.1	35.6	33.9	32.5	31.3	28.5	27.4	27.9	31.7	35.6	41.0	58.9	79.8	91.2	91.9	81.2	67.1
80	29.1	25.0	24.7	24.5	24.4	24.4	23.7	18.2	16.7	14.4	12.6	11.0	9.08	7.40	5.92	4.35	2.29	0.58	0.00
85	14.8	11.9	12.1	12.8	12.1	5.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	3.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YaoPeng
 Test Date:2013-08-07

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.274
 Humidity:65.0%
 Test Distance:12.370m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME:150W LED STREET LIGHT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: ×10cd

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	339	339	339	339	339	339	339	339	339	339	339	339	339	339	339	339	339	339	339
5	348	345	342	339	336	334	331	328	326	324	322	320	318	316	315	314	313	312	312
10	355	349	342	336	330	323	317	312	306	301	297	293	289	286	284	282	281	280	280
15	362	351	340	330	319	309	300	291	282	275	268	262	257	253	249	247	246	245	245
20	376	354	335	318	303	289	277	265	254	244	234	226	219	213	207	204	202	202	201
25	386	352	324	302	282	264	248	232	217	205	192	178	166	156	150	145	143	143	142
30	393	345	310	284	259	236	213	190	169	152	139	130	123	118	117	116	117	118	117
35	414	361	318	279	242	205	170	144	125	114	108	106	106	106	106	107	108	110	108
40	437	380	328	275	223	177	138	112	99.6	95.4	94.5	95.1	96.4	98.5	101	103	105	107	109
45	461	399	333	262	199	149	112	92.8	89.2	86.8	86.4	87.5	90.2	94.4	101	101	99.2	99.1	103
50	555	457	332	225	162	121	90.5	84.9	81.9	78.3	78.3	79.7	82.7	86.0	93.8	93.2	88.2	80.1	83.8
55	649	508	312	171	114	87.4	74.5	76.0	71.4	69.2	69.3	70.2	70.5	77.0	77.3	73.0	71.8	72.0	71.4
60	740	547	280	119	77.7	66.5	62.5	61.6	60.1	59.6	60.2	60.7	61.9	63.5	64.0	65.5	65.3	65.3	64.8
65	511	378	188	79.2	57.3	52.5	49.7	50.5	50.5	49.9	50.6	51.8	52.3	54.0	55.2	56.5	56.3	55.0	54.6
70	281	206	105	54.3	45.0	40.7	39.7	40.1	40.0	40.2	41.1	42.0	43.0	44.7	44.9	45.0	45.1	43.1	42.9
75	55.2	49.5	40.2	36.4	33.4	29.8	29.6	29.1	29.0	29.3	30.1	31.9	32.4	32.5	32.5	32.1	31.3	26.9	26.7
80	0.39	1.29	2.37	4.26	6.04	7.77	10.4	12.7	15.9	18.2	17.4	17.8	18.7	18.5	17.1	16.8	16.1	13.0	12.5
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.11	6.41	6.58	6.86	6.07	3.06	1.89
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YaoPeng
 Test Date:2013-08-07

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.274
 Humidity:65.0%
 Test Distance:12.370m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME:150W LED STREET LIGHT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--3

UNIT: x10cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	339	339	339	339	339	339	339	339	339	339	339	339	339	339	339	339	339	339	339
5	313	314	315	316	318	319	321	323	325	327	330	332	335	338	340	343	345	347	350
10	281	282	284	287	290	293	297	301	306	311	317	323	328	334	340	346	352	357	362
15	246	248	251	255	259	264	270	277	284	292	300	309	319	329	339	348	358	367	375
20	202	205	210	216	223	232	240	250	260	270	282	295	309	324	340	357	375	392	407
25	143	146	152	160	171	185	199	213	228	244	261	277	296	316	339	364	392	419	445
30	117	117	118	120	125	132	145	163	185	209	234	258	281	306	335	370	409	449	489
35	108	107	107	107	106	107	111	121	139	165	200	237	272	307	345	387	434	478	526
40	111	112	107	99.0	96.8	96.1	96.7	99.4	109	130	165	210	260	308	355	405	458	508	559
45	108	118	112	97.9	91.9	88.2	87.9	89.5	92.2	103	133	180	240	305	363	423	482	537	588
50	95.5	98.5	90.0	85.4	81.1	79.7	79.5	81.3	83.8	86.8	106	144	205	303	415	518	610	695	770
55	71.6	70.8	71.5	70.1	70.2	70.6	70.1	71.9	74.5	74.6	81.8	106	161	288	460	611	737	861	971
60	64.8	63.6	63.0	61.4	61.0	61.1	60.6	61.1	62.3	62.8	66.2	78.8	119	264	494	701	865	1030	1171
65	54.7	54.8	53.7	52.3	52.1	51.5	51.1	51.3	52.3	51.7	53.5	61.3	83.2	181	350	501	620	750	871
70	43.0	43.4	44.0	42.9	42.2	41.9	41.5	41.3	41.8	42.0	42.5	47.7	58.6	105	206	302	375	454	523
75	28.0	30.1	30.8	31.5	31.7	30.4	30.3	30.3	30.7	32.1	32.8	35.4	40.1	44.1	73.3	106	131	153	173
80	13.1	14.2	15.7	17.1	16.8	17.1	18.6	16.9	13.7	11.4	8.79	6.42	4.64	2.64	2.00	0.77	0.00	1.13	4.77
85	2.98	3.71	3.59	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YaoPeng
 Test Date:2013-08-07

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.274
 Humidity:65.0%
 Test Distance:12.370m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME:150W LED STREET LIGHT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--4

UNIT: x10cd

C(DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	339	339	339	339	339	339	339	339	339	339	339	339	339	339	339				
5	352	354	355	357	358	359	360	360	361	361	361	361	360	359	359				
10	366	371	374	378	381	384	386	388	390	391	391	390	389	387	385				
15	383	391	399	405	412	416	418	419	418	416	412	407	401	395	389				
20	422	437	448	453	453	449	443	435	426	416	406	397	389	382	375				
25	474	499	512	512	500	480	460	441	425	417	412	410	409	408	405				
30	534	566	569	549	520	494	476	468	465	461	464	483	497	504	505				
35	575	604	601	573	535	523	538	567	590	594	590	592	594	589	581				
40	605	633	640	647	653	659	681	709	697	662	612	578	541	507	485				
45	633	673	720	789	824	813	775	715	644	526	426	358	315	273	247				
50	794	791	834	938	961	841	661	479	355	262	185	158	140	131	129				
55	975	913	873	843	754	615	379	197	151	117	113	112	112	113	111				
60	1139	994	832	641	443	298	164	92.8	90.4	87.5	86.9	86.1	83.0	82.5	80.1				
65	866	774	628	385	148	109	78.4	68.4	66.7	61.2	60.2	60.3	60.3	60.4	60.3				
70	512	452	358	204	86.2	64.4	54.2	46.8	46.6	46.1	46.4	47.2	47.9	48.2	48.3				
75	165	147	123	83.7	53.0	44.2	37.8	34.7	34.6	35.8	37.4	38.2	39.1	39.4	39.3				
80	8.97	11.8	12.9	14.6	17.0	18.8	20.9	24.1	24.6	26.0	28.6	30.0	30.4	30.7	30.2				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.67	18.4	19.4	18.3	16.2			
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YaoPeng
 Test Date:2013-08-07

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.274
 Humidity:65.0%
 Test Distance:12.370m [K=1.0000]
 Remarks: