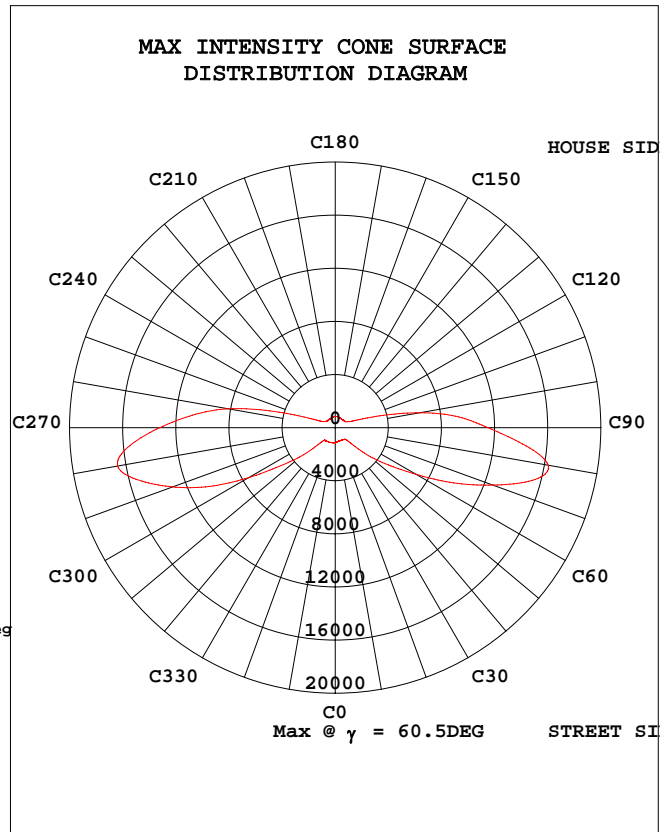
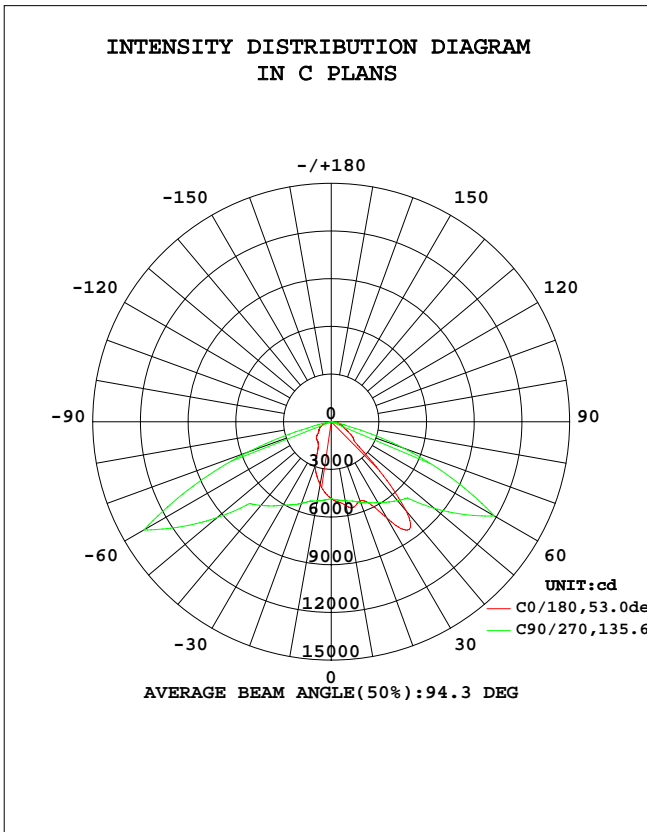


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: 210W STREET LIGHT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 85.16 lm/W			
MODEL	SL2-210W	I <sub>max</sub> (cd)	16640	η street_up(%)	0.0
NOMINAL POWER(W)	226.9	LOR(%)	100.0	η street_down(%)	73.8
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	19323	η house_up(%)	0.0
NOMINAL FLUX(lm)	19323.4	MAXIMUM @(C,γ )	280,60.5	η house_down(%)	26.2
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	220.3	η down(%)	100.0	SLI	



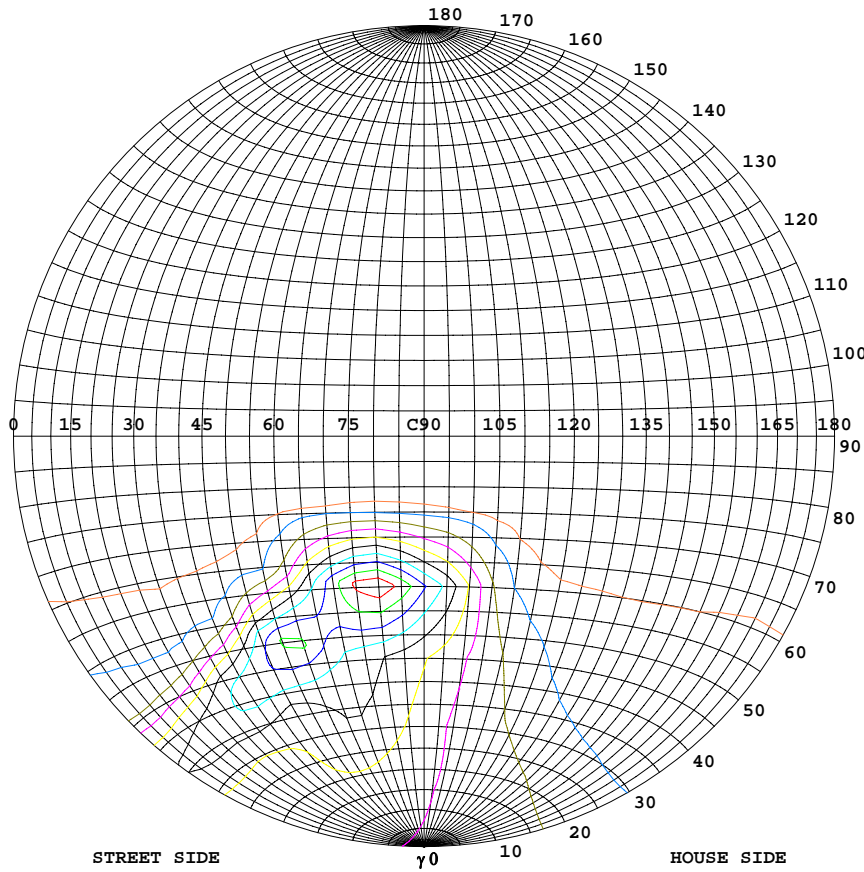
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: YaoPeng  
Test Date: 2013-08-07

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: 210W STREET LIGHT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



Classification:

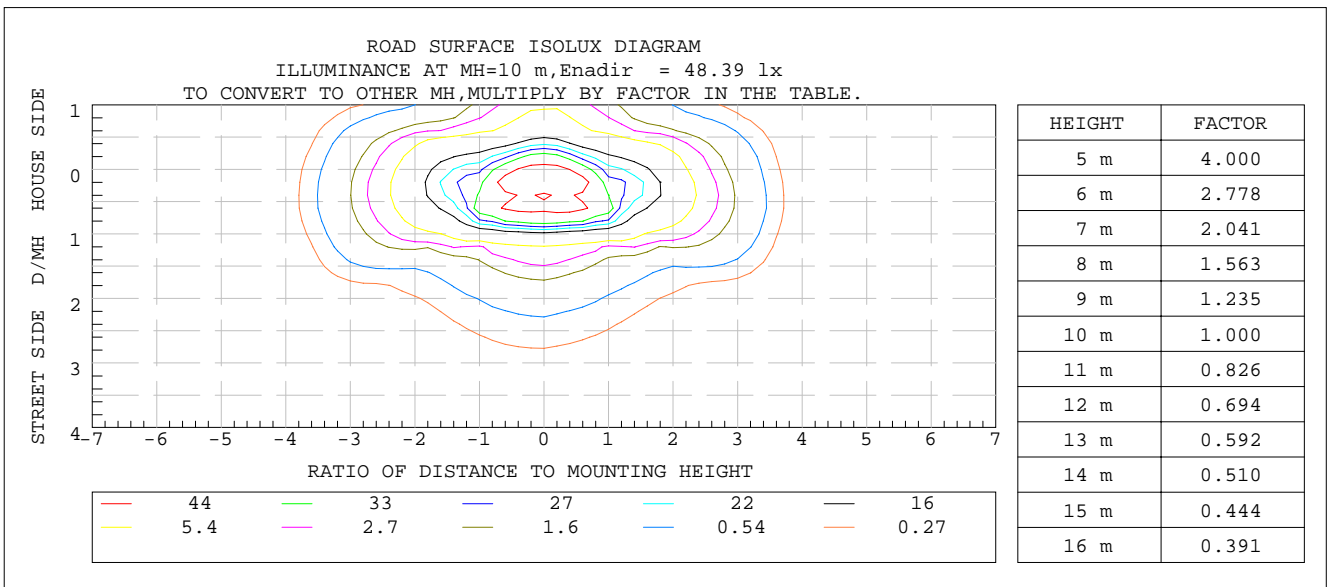
IES:Type I - Very Short  
 CIE:Narrow - Intermediate  
 IES:Cut-off  
 CIE:Full cut-off  
 Max.At80:23.58cd/klm  
 Max.At90:4.168cd/klm  
 Max.80-90:23.58cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	16640
90%	14976
80%	13312
70%	11648
60%	9984
50%	8320
40%	6656
30%	4992
20%	3328
10%	1664
5%	832

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

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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: 210W STREET LIGHT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

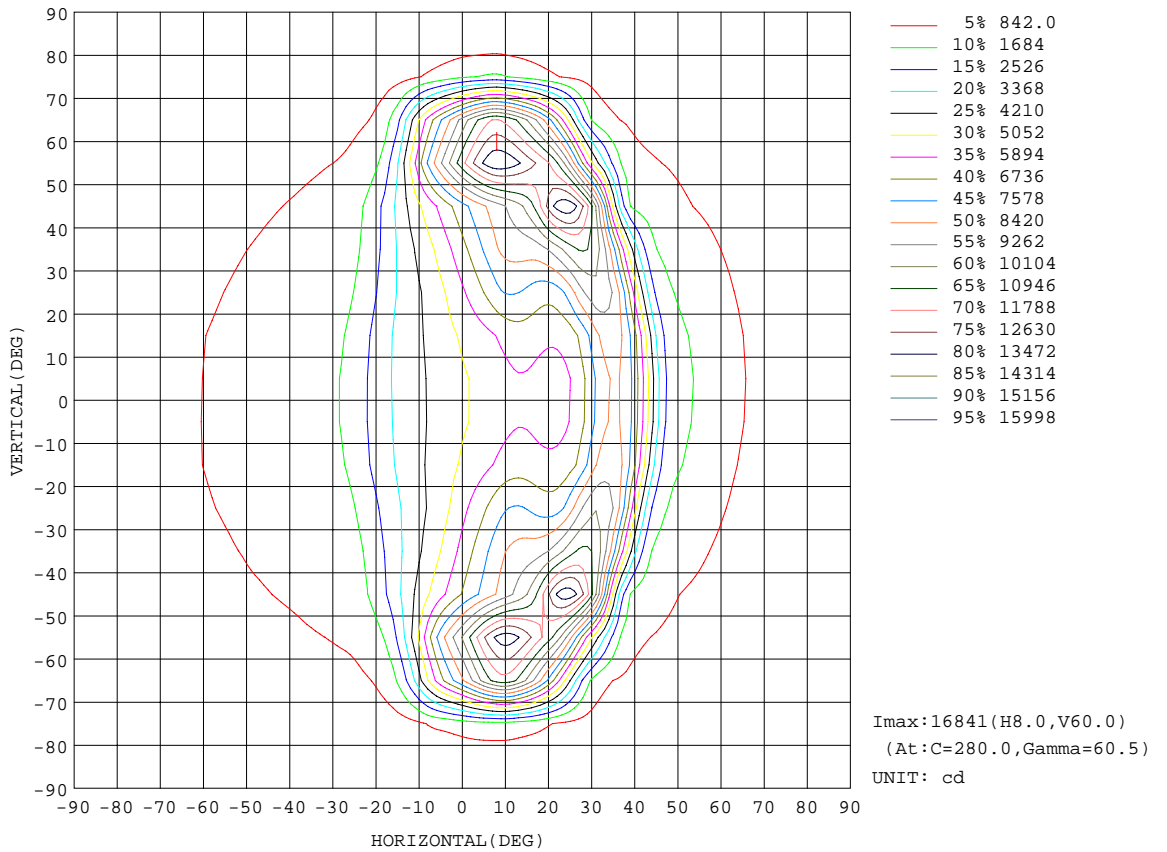
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	507.1	513.1	494.7	464.0	448.5	464.7	494.9	512.5	0- 5	116.4	116.4	0.60,0.60
10	536.1	550.0	505.4	434.4	401.6	436.2	505.9	546.7	5- 10	349.8	466.2	2.41,2.41
15	555.2	600.9	516.2	397.9	352.4	401.9	516.8	596.9	10- 15	584.4	1051	5.44,5.44
20	530.4	630.6	539.7	357.7	293.0	364.3	546.5	630.0	15- 20	809.1	1860	9.62,9.62
25	567.4	653.4	563.2	306.3	203.1	314.3	576.3	647.4	20- 25	1019	2879	14.9,14.9
30	697.1	684.4	586.8	239.0	164.8	244.5	606.0	676.3	25- 30	1240	4119	21.3,21.3
35	832.3	789.3	617.5	175.2	149.8	180.5	646.7	786.4	30- 35	1532	5651	29.2,29.2
40	736.2	1013	648.3	139.7	144.5	142.9	687.3	1003	35- 40	1852	7503	38.8,38.8
45	398.8	1094	679.0	125.0	130.6	122.7	728.0	1078	40- 45	2039	9542	49.4,49.4
50	191.2	871.7	847.9	112.5	105.7	108.7	939.4	866.3	45- 50	2051	11594	60,60
55	162.4	436.3	1017	99.15	95.47	94.78	1151	439.6	50- 55	2027	13620	70.5,70.5
60	119.8	178.3	1186	83.48	85.69	80.43	1362	184.8	55- 60	1959	15579	80.6,80.6
65	88.77	96.26	830.7	69.33	72.29	67.38	959.2	101.6	60- 65	1684	17263	89.3,89.3
70	69.27	66.33	475.8	55.83	56.91	53.26	556.1	71.31	65- 70	1139	18401	95.2,95.2
75	57.20	44.99	120.9	42.17	34.18	37.58	153.1	50.29	70- 75	626.3	19027	98.5,98.5
80	43.89	23.53	0	24.41	17.14	19.22	0	28.06	75- 80	232.9	19260	99.7,99.7
85	22.37	0	0	0	3.740	0	0	0	80- 85	55.44	19316	100,100
90	8.055	0	0	0	0.2297	0	0	0	85- 90	7.610	19323	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**

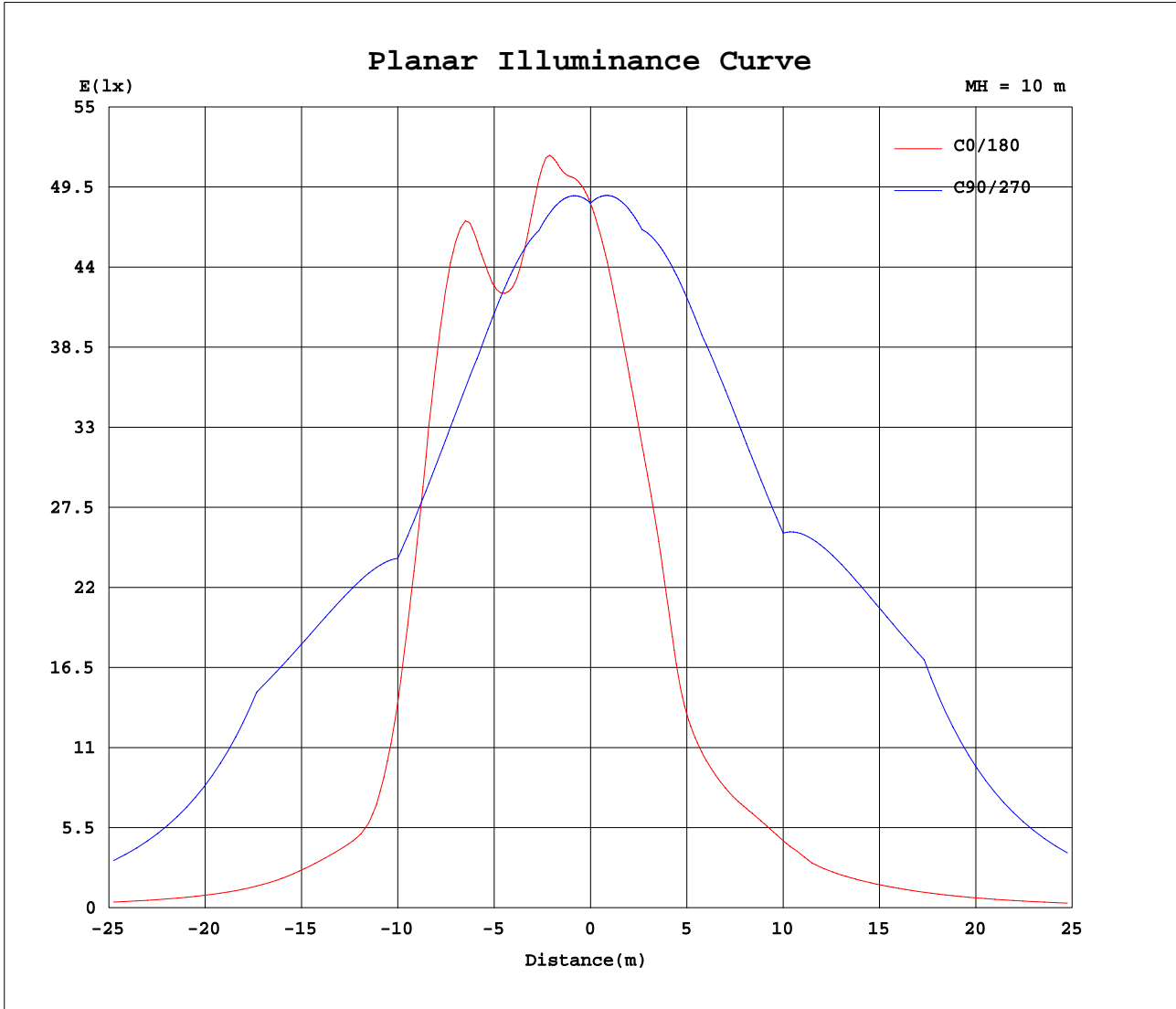
NAME: 210W STREET LIGHT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



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

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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: 210W STREET LIGHT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: x10cd

C( DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484
5	507	509	510	512	513	513	514	514	514	513	512	511	510	508	506	503	501	498	495
10	536	541	545	548	550	552	553	552	552	550	548	545	541	537	531	526	519	512	505
15	555	562	569	576	584	590	596	600	601	601	598	592	584	574	564	552	541	529	516
20	530	540	550	560	571	582	594	607	620	631	641	650	652	644	628	609	587	564	540
25	567	578	585	588	592	595	601	609	629	653	682	709	724	727	711	679	642	604	563
30	697	713	720	716	703	683	677	679	679	684	706	740	777	798	795	760	705	647	587
35	832	845	857	866	869	872	877	869	839	789	755	766	817	850	847	811	749	684	618
40	736	730	745	783	832	884	953	1017	1043	1013	961	944	934	917	895	852	789	719	648
45	399	384	396	439	494	578	724	910	1003	1094	1160	1189	1149	1045	962	895	825	753	679
50	191	187	185	190	210	231	321	464	626	872	1143	1347	1342	1182	1104	1107	1075	975	848
55	162	156	155	150	149	148	146	188	239	436	785	988	1111	1160	1220	1329	1348	1208	1017
60	120	113	111	109	110	111	109	115	118	178	361	535	744	1006	1264	1517	1620	1446	1186
65	88.8	84.1	81.4	79.6	78.4	76.9	75.6	81.3	86.6	96.3	129	156	379	702	952	1126	1178	1028	831
70	69.3	66.2	64.7	63.5	61.5	59.8	58.5	58.1	58.5	66.3	76.3	96.3	199	387	538	638	670	588	476
75	57.2	55.1	53.8	52.7	49.4	48.0	45.0	42.4	41.6	45.0	51.1	58.9	85.2	130	157	165	160	141	121
80	43.9	39.5	38.1	37.2	37.1	36.7	31.3	27.4	26.7	23.5	20.9	18.3	15.6	13.5	11.5	8.19	4.17	1.02	0.00
85	22.4	19.1	19.7	20.7	19.6	9.55	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	8.05	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: 210W 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	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484
5	491	488	484	481	477	474	470	467	464	461	459	456	454	452	451	450	449	448	449
10	497	489	481	473	464	456	449	441	434	428	422	417	412	409	406	404	402	402	402
15	502	488	474	460	447	434	421	409	398	388	379	372	365	360	356	354	352	352	353
20	514	488	465	443	424	405	388	372	358	344	332	321	312	304	298	294	292	293	293
25	522	484	451	422	395	370	347	326	306	289	273	254	236	222	211	206	203	203	203
30	527	475	433	396	362	330	298	267	239	214	194	180	172	166	164	163	163	165	163
35	550	489	434	382	333	284	238	202	175	159	151	147	147	146	146	147	148	150	148
40	574	503	435	367	299	238	188	156	140	133	132	132	134	143	150	151	149	144	144
45	598	517	432	343	259	194	150	133	125	121	120	124	135	148	143	138	135	131	131
50	721	576	423	295	209	155	128	121	112	109	109	111	113	122	133	120	109	106	108
55	841	623	394	229	154	118	109	104	99.1	96.2	96.2	95.2	95.7	96.0	95.2	95.9	95.1	95.5	94.4
60	957	654	351	168	113	92.7	88.5	85.7	83.5	82.6	82.8	83.0	83.1	84.9	85.4	86.6	85.9	85.7	85.0
65	670	456	240	117	85.4	73.2	70.8	71.1	69.3	69.1	69.9	70.8	71.3	73.1	74.5	74.2	73.5	72.3	72.0
70	384	261	139	82.1	65.5	58.5	57.2	56.8	55.8	56.3	57.4	58.6	59.6	60.8	60.0	59.4	58.6	56.9	56.8
75	103	81.8	58.9	54.6	48.1	45.1	43.4	42.3	42.2	42.1	43.0	45.5	45.3	44.5	43.8	41.1	38.0	34.2	34.2
80	0.75	2.20	3.54	6.26	8.72	12.0	15.3	19.4	24.4	27.4	25.8	26.1	27.0	25.3	22.7	21.1	19.5	17.1	16.8
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	4.90	9.97	10.3	9.63	7.30	3.74	2.41
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	0.23	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: 210W STREET LIGHT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--3

UNIT: ×10cd

C( DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484
5	450	451	453	455	457	459	462	465	468	471	474	478	481	485	488	492	495	498	501
10	404	407	410	414	418	424	430	436	443	451	458	466	474	482	490	498	506	513	519
15	355	358	362	368	375	383	392	402	413	425	437	450	464	477	491	504	517	528	539
20	295	299	306	315	325	337	350	364	380	395	413	432	452	474	498	522	547	569	592
25	206	211	221	235	253	275	293	314	336	359	384	409	436	466	500	537	576	614	654
30	163	163	166	172	181	195	217	244	277	312	348	382	417	454	498	550	606	664	725
35	146	146	146	146	147	152	162	181	210	251	304	357	410	462	519	581	647	712	778
40	143	141	137	133	131	131	134	143	164	201	258	327	400	471	541	614	687	758	826
45	133	136	134	126	121	119	119	123	133	161	214	290	381	475	561	646	728	803	869
50	117	120	113	109	107	106	106	109	115	131	172	236	342	497	657	802	939	1056	1126
55	94.5	93.2	93.5	92.0	91.7	92.4	92.5	94.8	99.0	104	126	171	284	498	747	956	1151	1318	1397
60	84.6	82.2	81.4	79.5	78.9	78.9	79.2	80.4	82.1	85.0	94.7	120	217	477	821	1106	1362	1584	1657
65	71.6	70.3	68.6	67.2	66.3	66.3	66.3	67.4	68.5	68.5	72.8	87.1	140	326	578	776	959	1131	1207
70	56.3	56.0	56.9	54.8	54.1	54.3	54.0	53.3	54.0	54.2	55.9	65.1	90.3	182	327	445	556	658	699
75	35.9	37.9	38.0	39.3	39.5	38.1	37.3	37.6	38.3	39.8	40.6	45.4	54.4	64.8	93.2	120	153	179	195
80	16.9	17.8	17.8	20.6	20.2	18.9	20.0	19.2	16.3	13.7	10.6	8.06	6.16	3.70	2.48	0.87	0.00	1.30	5.20
85	3.95	4.63	4.02	2.81	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: 210W 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	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484				
5	503	505	507	509	510	512	512	513	513	513	513	512	511	510	509				
10	525	530	535	538	542	545	547	548	550	550	550	549	547	544	540				
15	549	559	568	577	585	592	597	599	598	596	590	583	576	569	562				
20	612	629	643	650	648	640	630	620	607	593	581	569	559	549	539				
25	691	722	732	723	703	675	647	623	603	595	589	586	584	581	576				
30	782	812	797	765	725	693	676	673	671	666	673	691	706	712	709				
35	840	860	843	799	749	751	786	830	853	856	854	853	855	850	842				
40	883	910	920	938	949	961	1003	1022	999	940	879	833	790	752	734				
45	929	986	1067	1171	1195	1154	1078	992	907	735	602	522	469	416	392				
50	1128	1129	1224	1360	1349	1135	866	630	480	355	262	231	207	192	190				
55	1336	1248	1210	1146	995	781	440	246	208	166	160	160	160	162	160				
60	1514	1302	1068	793	541	364	185	126	128	123	124	124	120	120	118				
65	1131	992	762	418	164	137	102	94.6	93.0	86.7	86.6	87.8	87.8	88.0	88.1				
70	652	566	425	219	104	83.0	71.3	64.4	65.5	66.0	66.8	68.2	69.2	69.4	69.5				
75	186	170	144	94.7	66.5	56.8	50.3	48.1	49.1	51.6	54.6	55.7	57.4	57.6	57.6				
80	9.57	12.8	15.1	17.9	21.4	24.0	28.1	33.5	35.3	38.1	42.1	44.0	45.1	45.6	44.9				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.1	25.4	27.7	26.6	24.1			
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: