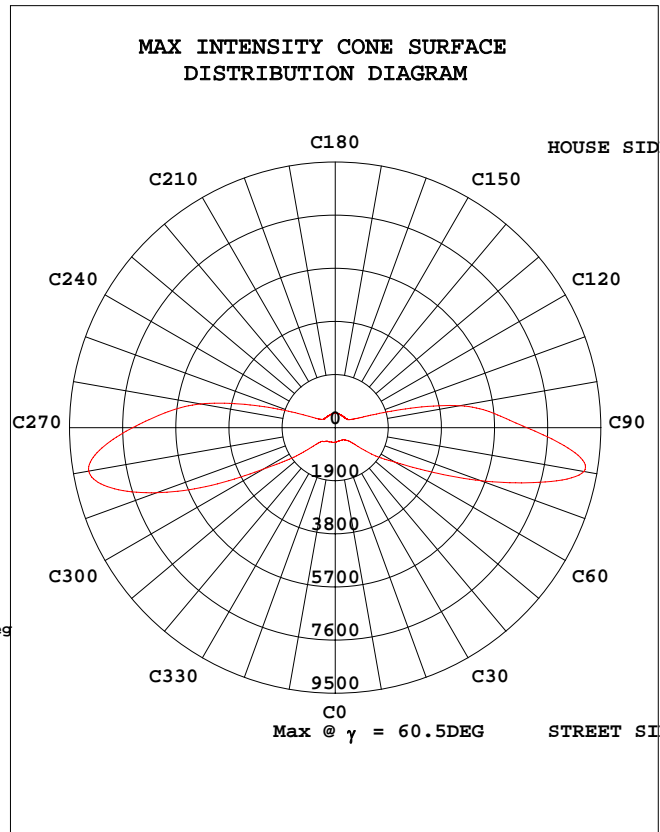
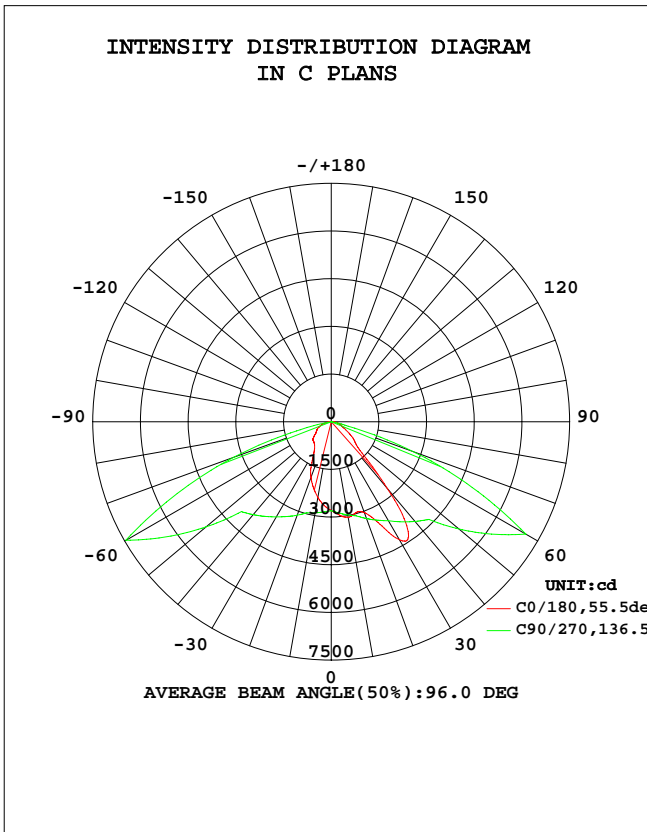


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: 120W STREET LIGHT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	SL2-120W	Imax(cd)	9034	$\eta$ street_up(%)	0.0
NOMINAL POWER(W)	128.2	LOR(%)	100.0	$\eta$ street_down(%)	69.9
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	10602	$\eta$ house_up(%)	0.0
NOMINAL FLUX(lm)	10601.9	MAXIMUM @(C, $\gamma$ )	80,60.5	$\eta$ house_down(%)	30.1
LAMPS INSIDE	1	$\eta$ up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	219.6	$\eta$ down(%)	100.0	SLI	



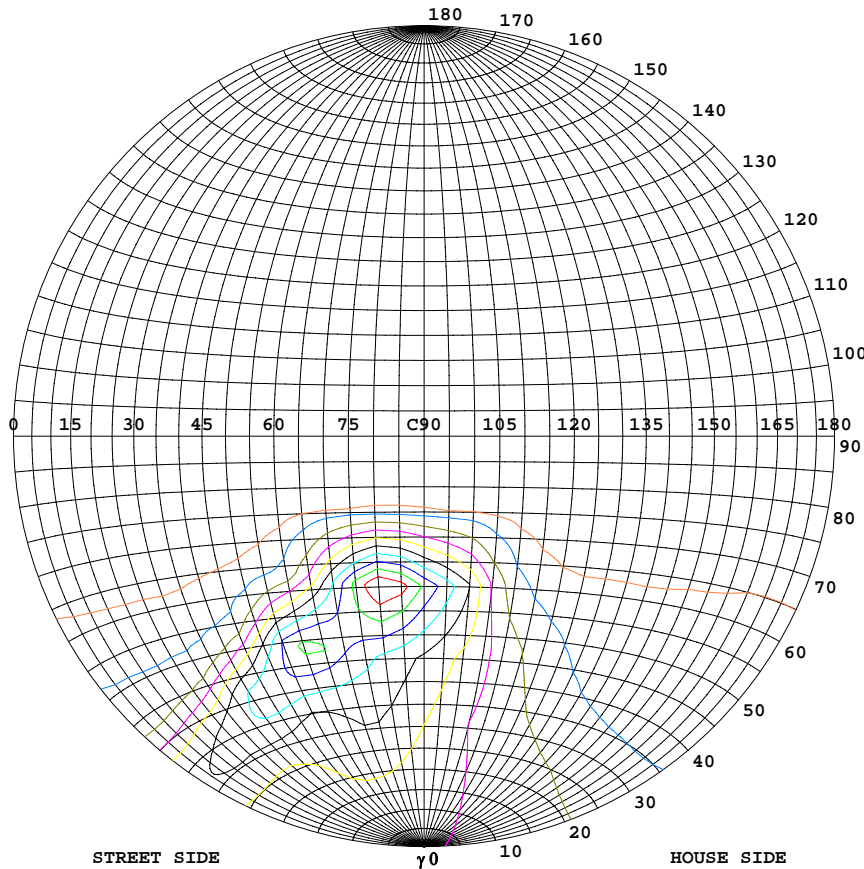
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: YaoPeng  
Test Date: 2013-08-06

$\gamma$  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:

Note: SLI: Specific Luminaire Index

**STREETLIGHT ISOCANDELA DIAGRAM**

NAME: 120W STREET LIGHT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



**Classification:**

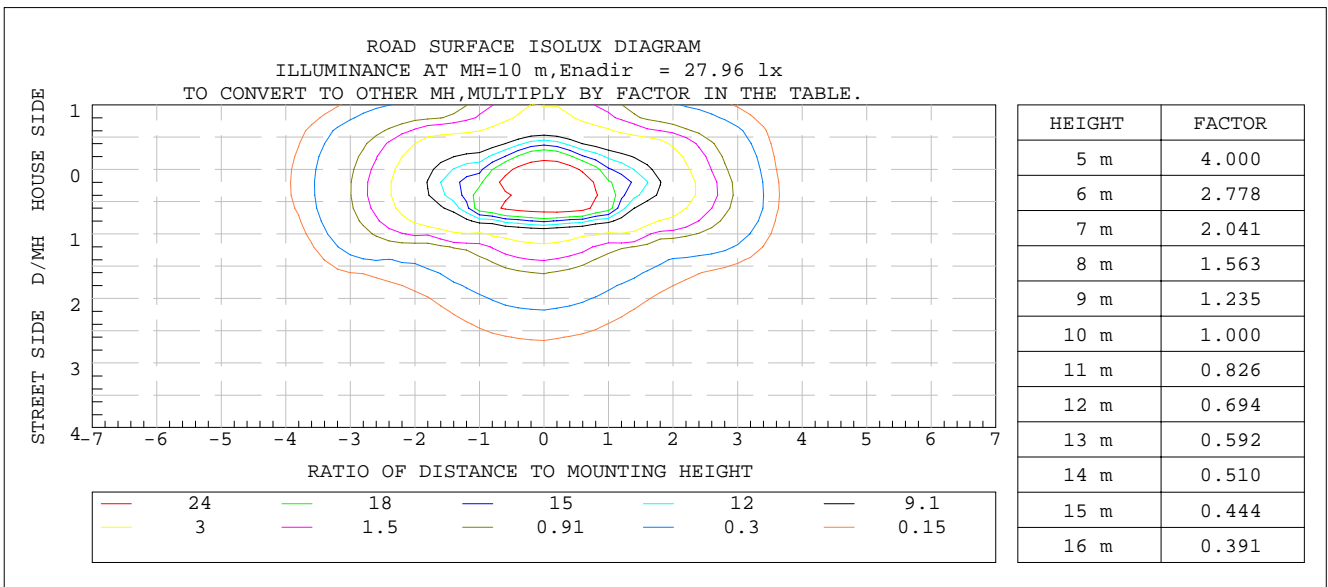
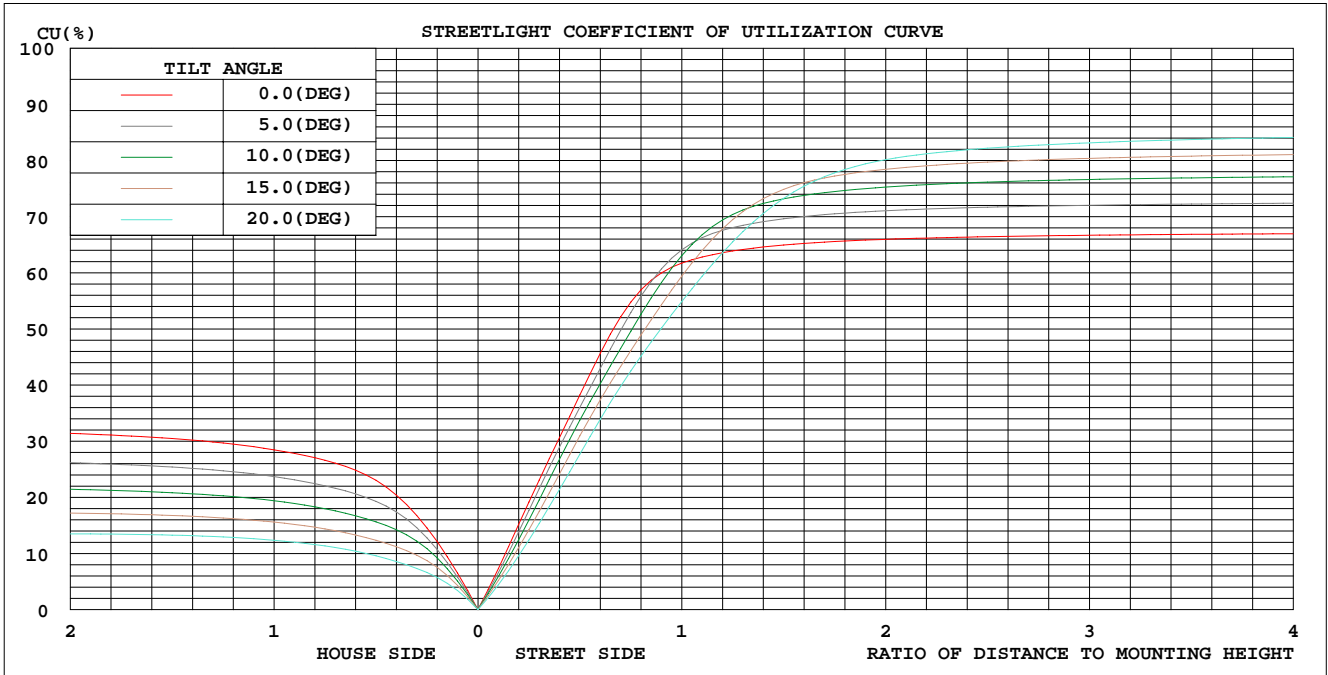
IES:Type I - Very Short  
 CIE:Narrow - Intermediate  
 IES:Cut-off  
 CIE:Full cut-off  
 Max.At80:18.92cd/klm  
 Max.At90:0.2422cd/klm  
 Max.80-90:18.92cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	9034
90%	8130
80%	7227
70%	6324
60%	5420
50%	4517
40%	3613
30%	2710
20%	1807
10%	903
5%	452

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YaoPeng  
 Test Date:2013-08-06

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: 2013-08-06

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: 120W STREET LIGHT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

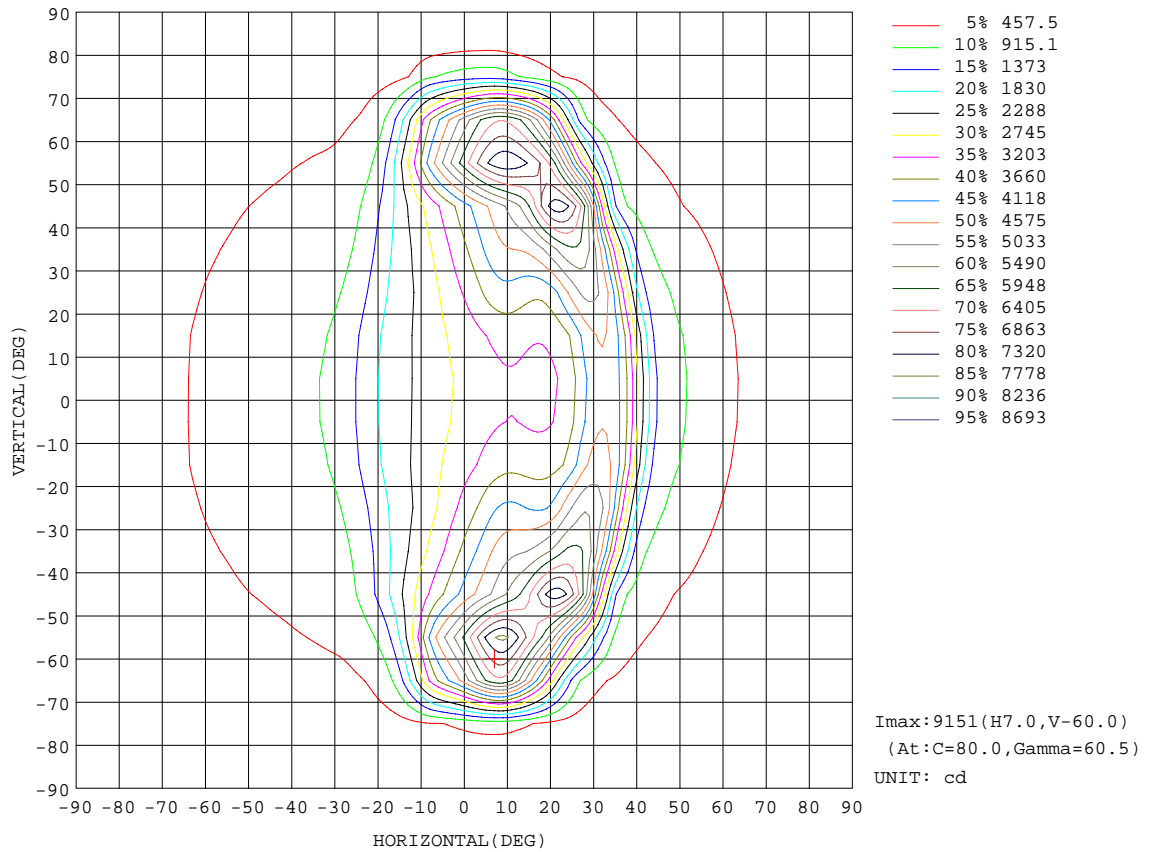
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	2947	2987	2886	2732	2638	2716	2853	2956	0- 5	67.58	67.58	0.64,0.64
10	3052	3223	2975	2606	2422	2582	2909	3141	5- 10	204.7	272.2	2.57,2.57
15	2968	3397	3065	2431	2157	2407	2965	3256	10- 15	338.9	611.2	5.76,5.76
20	3038	3466	3241	2217	1869	2206	3128	3258	15- 20	466.0	1077	10.2,10.2
25	3501	3651	3417	1960	1469	1969	3290	3408	20- 25	596.5	1674	15.8,15.8
30	4283	4100	3594	1631	1079	1649	3453	3854	25- 30	740.3	2414	22.8,22.8
35	4224	5107	3844	1249	915.6	1253	3635	4790	30- 35	902.1	3316	31.3,31.3
40	2741	5942	4094	941.0	845.9	934.0	3817	5620	35- 40	1033	4349	41,41
45	1283	5085	4344	781.5	813.1	766.3	3999	4982	40- 45	1069	5418	51.1,51.1
50	969.8	3103	5252	697.8	708.8	680.5	5152	3048	45- 50	1075	6493	61.2,61.2
55	761.4	1182	6161	612.9	583.7	613.5	6305	1167	50- 55	1073	7565	71.4,71.4
60	551.0	701.4	7069	504.5	525.6	510.8	7458	729.1	55- 60	1036	8601	81.1,81.1
65	418.6	469.5	4897	416.3	449.3	428.0	5347	512.4	60- 65	888.8	9490	89.5,89.5
70	328.7	316.0	2726	330.2	357.7	346.6	3237	350.2	65- 70	608.4	10099	95.3,95.3
75	269.9	211.6	554.3	247.5	266.3	262.1	1126	244.4	70- 75	339.6	10438	98.5,98.5
80	160.0	105.2	0	144.2	141.9	155.1	0	132.6	75- 80	130.7	10569	99.7,99.7
85	83.62	0	0	0	54.42	0	0	0	80- 85	30.21	10599	100,100
90	2.568	0	0	0	1.022	0	0	0	85- 90	2.962	10602	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:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YaoPeng  
 Test Date:2013-08-06

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

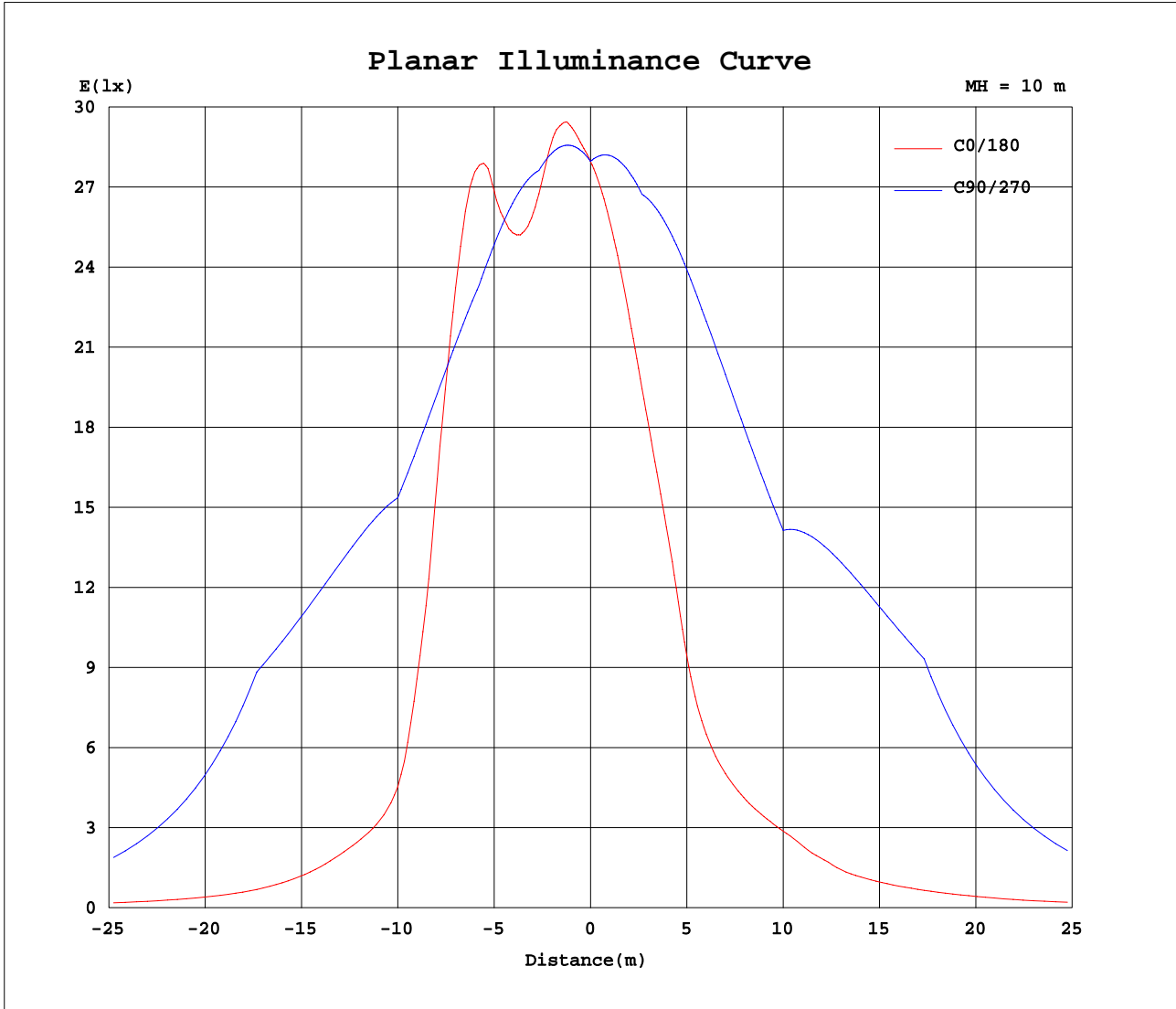
NAME: 120W STREET LIGHT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: YaoPeng  
 Test Date: 2013-08-06

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: 2013-08-06

$\gamma$  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: 120W STREET LIGHT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C( DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	2796	2796	2796	2796	2796	2796	2796	2796	2796	2796	2796	2796	2796	2796	2796	2796	2796	2796	2796
5	2947	2958	2968	2977	2984	2989	2992	2993	2991	2987	2981	2973	2965	2954	2942	2930	2916	2901	2886
10	3052	3080	3107	3132	3156	3178	3197	3211	3220	3223	3217	3205	3189	3163	3129	3091	3053	3014	2975
15	2968	3014	3062	3111	3161	3212	3263	3316	3361	3397	3420	3427	3413	3385	3346	3286	3210	3135	3065
20	3038	3091	3138	3179	3217	3255	3300	3350	3406	3466	3548	3638	3703	3724	3693	3621	3501	3370	3241
25	3501	3567	3603	3602	3583	3554	3525	3513	3580	3651	3741	3854	3979	4074	4091	4007	3831	3620	3417
30	4283	4365	4422	4453	4437	4361	4277	4244	4211	4100	4038	4071	4192	4348	4456	4412	4197	3886	3594
35	4224	4253	4342	4490	4671	4850	5027	5194	5233	5107	4778	4466	4562	4712	4814	4768	4533	4182	3844
40	2741	2708	2806	3058	3453	3803	4380	5038	5623	5942	5860	5725	5621	5478	5313	5148	4858	4476	4094
45	1283	1259	1278	1369	1582	1842	2404	3337	4303	5085	5957	6537	6807	6590	6008	5598	5186	4768	4344
50	970	948	943	941	950	980	1038	1401	2061	3103	4645	6397	7163	7016	6522	6473	6464	5984	5252
55	761	731	731	725	728	759	753	788	926	1182	2522	4098	5010	5761	6337	7153	7781	7253	6161
60	551	528	519	513	510	524	531	543	610	701	1085	1942	2694	3913	5642	7527	9013	8543	7069
65	419	404	398	394	389	384	379	393	425	470	549	636	1030	2222	3935	5402	6431	5998	4897
70	329	320	316	313	307	301	297	295	296	316	367	430	606	1195	2147	2972	3546	3335	2726
75	270	259	256	252	240	234	229	211	205	212	236	265	315	444	605	696	710	638	554
80	160	159	161	166	169	181	190	140	119	105	92.3	79.6	66.5	54.8	44.1	32.7	17.6	4.56	0.00
85	83.6	72.0	72.6	74.5	79.1	44.4	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	2.57	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: 2013-08-06

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: 120W STREET LIGHT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C( DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	2796	2796	2796	2796	2796	2796	2796	2796	2796	2796	2796	2796	2796	2796	2796	2796	2796	2796	2796
5	2869	2853	2835	2817	2800	2782	2765	2748	2732	2717	2703	2689	2677	2666	2657	2649	2643	2638	2641
10	2934	2892	2850	2807	2765	2723	2683	2643	2606	2573	2542	2513	2489	2467	2450	2436	2427	2422	2425
15	2990	2917	2844	2771	2698	2626	2558	2492	2431	2374	2323	2279	2240	2209	2186	2170	2160	2157	2159
20	3107	2970	2836	2710	2596	2490	2392	2303	2217	2141	2072	2014	1964	1924	1895	1875	1867	1869	1868
25	3206	2991	2788	2613	2456	2314	2181	2063	1960	1867	1793	1708	1627	1560	1511	1477	1463	1469	1463
30	3289	2979	2712	2491	2294	2112	1944	1781	1631	1498	1379	1281	1199	1133	1094	1074	1070	1079	1070
35	3487	3119	2781	2467	2175	1908	1652	1431	1249	1108	1011	956	925	907	897	896	903	916	905
40	3688	3271	2861	2456	2059	1697	1375	1117	941	854	813	800	800	809	817	826	836	846	838
45	3892	3418	2915	2388	1885	1451	1108	879	782	735	717	721	736	783	827	843	831	813	846
50	4559	3850	2945	2136	1564	1184	879	745	698	659	648	651	684	724	782	802	751	709	750
55	5221	4242	2834	1720	1138	839	670	647	613	581	573	578	582	627	688	640	589	584	588
60	5869	4553	2626	1291	783	601	531	519	505	497	499	498	505	513	516	523	522	526	522
65	4075	3177	1795	861	545	446	413	417	416	412	413	425	429	436	451	454	454	449	451
70	2267	1773	1010	548	399	343	330	331	330	330	334	344	349	359	366	366	364	358	363
75	484	470	362	314	278	252	251	247	247	246	252	267	277	272	279	275	272	266	269
80	3.47	12.4	20.7	35.1	49.5	66.4	89.5	112	144	165	163	165	165	167	161	155	149	142	146
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	0.00	28.2	55.3	59.7	52.6	50.4	54.4
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	1.02	0.00

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YaoPeng  
 Test Date:2013-08-06

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: 120W STREET LIGHT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--3

UNIT: cd

C( DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	2796	2796	2796	2796	2796	2796	2796	2796	2796	2796	2796	2796	2796	2796	2796	2796	2796	2796	2796
5	2646	2652	2659	2668	2678	2690	2703	2716	2730	2744	2759	2775	2791	2807	2823	2838	2853	2867	2882
10	2432	2443	2458	2477	2499	2524	2552	2582	2616	2651	2687	2725	2762	2799	2836	2873	2909	2944	2979
15	2168	2184	2205	2233	2268	2308	2355	2407	2462	2522	2584	2648	2712	2778	2840	2902	2965	3027	3090
20	1878	1899	1929	1968	2017	2072	2136	2206	2281	2364	2454	2553	2661	2775	2894	3012	3128	3245	3368
25	1479	1515	1569	1639	1720	1806	1880	1969	2067	2176	2294	2426	2575	2741	2923	3107	3290	3483	3691
30	1075	1094	1132	1199	1283	1386	1512	1649	1805	1961	2117	2279	2463	2675	2923	3188	3453	3743	4048
35	900	902	913	930	958	1009	1105	1253	1447	1687	1917	2150	2396	2673	2984	3310	3635	3973	4301
40	831	824	817	807	808	821	856	934	1099	1347	1662	1991	2333	2672	3044	3430	3817	4197	4546
45	870	854	802	745	728	723	737	766	846	1047	1360	1770	2229	2658	3099	3551	3999	4415	4800
50	802	792	759	701	663	655	663	681	704	812	1077	1492	2135	2909	3721	4459	5152	5763	6138
55	639	679	625	589	587	580	585	614	614	646	809	1170	1944	3097	4339	5359	6305	7151	7551
60	521	514	511	504	504	504	503	511	518	533	622	883	1681	3157	4895	6241	7458	8547	8915
65	451	447	435	431	429	422	422	428	427	431	493	641	1161	2260	3567	4499	5347	6174	6546
70	365	366	360	350	348	343	344	347	348	349	384	460	701	1307	2163	2743	3237	3699	3854
75	273	279	275	278	270	261	260	262	266	273	288	321	354	475	830	1014	1126	1200	1166
80	154	161	169	168	171	175	179	155	123	100	75.8	57.6	38.1	26.7	22.9	7.43	0.00	8.78	31.4
85	54.3	56.5	54.7	29.0	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: 2013-08-06

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: 120W STREET LIGHT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--4

UNIT: cd

C( DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	2796	2796	2796	2796	2796	2796	2796	2796	2796	2796	2796	2796	2796	2796	2796				
5	2895	2907	2918	2930	2939	2949	2956	2962	2966	2968	2969	2967	2964	2960	2954				
10	3013	3048	3080	3105	3121	3133	3141	3145	3143	3136	3126	3113	3100	3085	3069				
15	3156	3208	3238	3262	3279	3276	3256	3228	3195	3156	3119	3085	3053	3023	2994				
20	3473	3519	3533	3499	3421	3331	3258	3213	3177	3151	3132	3119	3106	3090	3068				
25	3833	3878	3822	3707	3579	3476	3408	3362	3321	3364	3422	3480	3522	3547	3538				
30	4202	4175	4024	3860	3759	3763	3854	3973	4028	4061	4167	4282	4331	4342	4326				
35	4474	4459	4340	4213	4151	4473	4790	4941	4944	4807	4663	4543	4415	4302	4237				
40	4775	4909	5128	5372	5511	5593	5620	5372	4874	4302	3777	3475	3105	2844	2727				
45	5165	5595	6330	6712	6484	5890	4982	4204	3365	2505	1930	1681	1438	1316	1275				
50	6253	6482	7118	7303	6582	4736	3048	2080	1495	1118	1032	992	974	963	959				
55	7335	6932	6452	5473	4321	2540	1167	979	866	810	818	785	772	769	751				
60	8225	6843	5053	3197	2092	1120	729	676	618	586	577	564	553	554	545				
65	6143	5047	3234	1362	735	606	512	476	437	415	418	419	419	417	415				
70	3557	2865	1757	782	509	416	350	325	325	327	330	332	333	331	329				
75	1046	889	652	419	331	279	244	237	240	257	262	267	273	273	270				
80	54.6	69.1	79.4	91.8	104	116	133	154	160	200	201	195	188	180	167				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.4	105	104	92.1	86.0			
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: 2013-08-06

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: