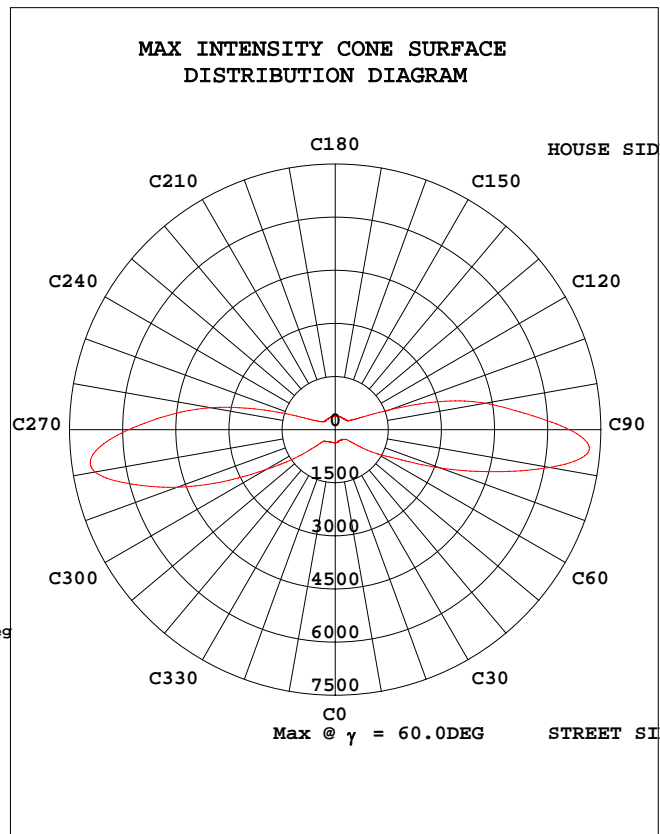
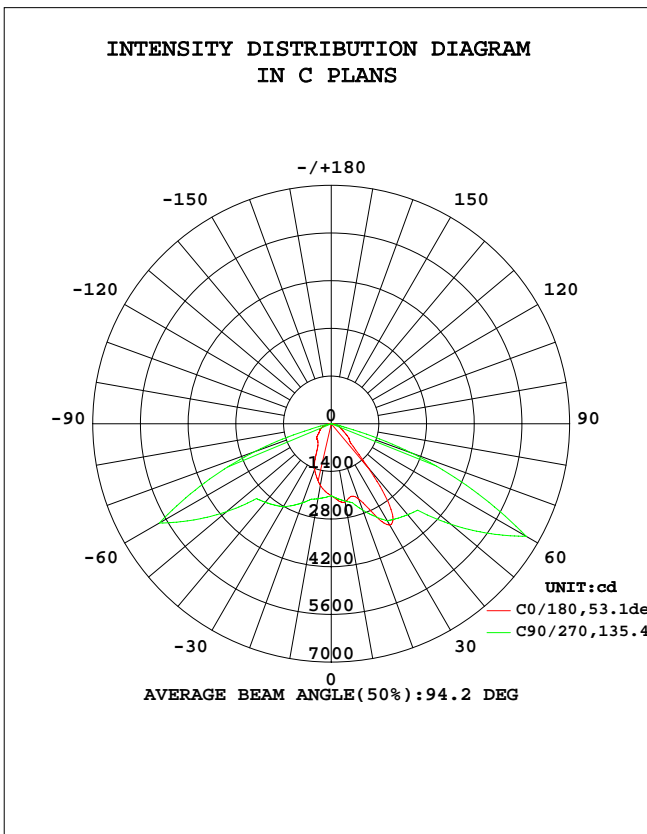


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME:90W LED STREET LIGHT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	SL2-90W	Imax(cd)	7181	η street_up(%)	0.0
NOMINAL POWER(W)	96.8	LOR(%)	100.0	η street_down(%)	68.5
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	8069	η house_up(%)	0.0
NOMINAL FLUX(lm)	8068.59	MAXIMUM @(C, γ)	85,60.0	η house_down(%)	31.5
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	220.2	η down(%)	100.0	SLI	



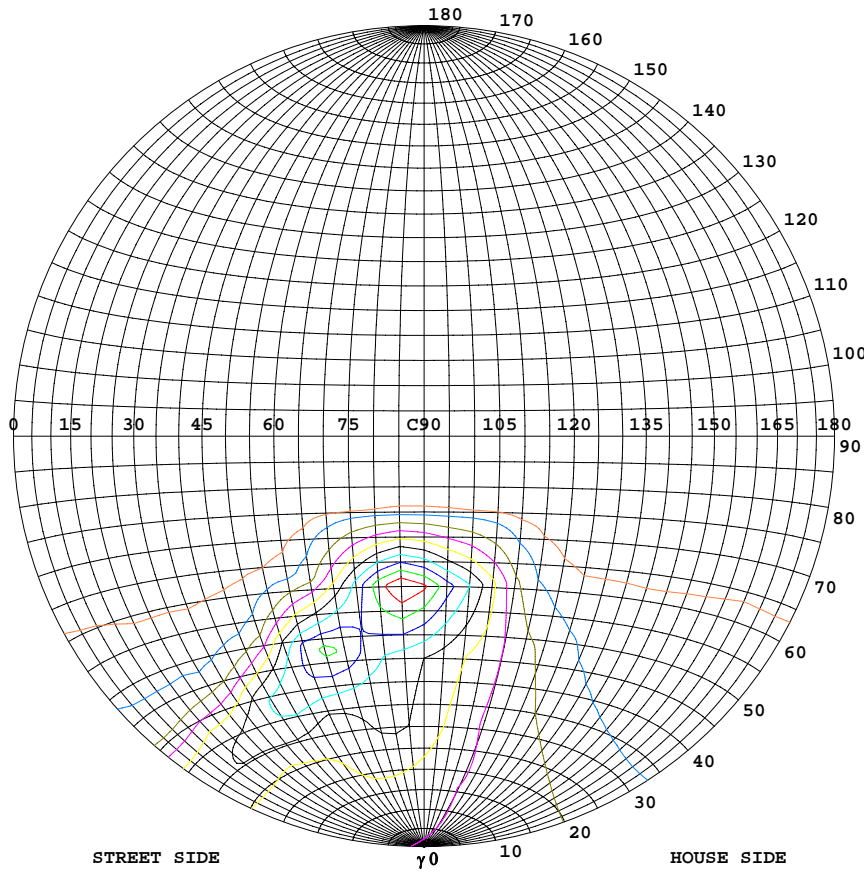
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YaoPeng
 Test Date:2013-08-07

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:90W LED STREET LIGHT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



Classification:

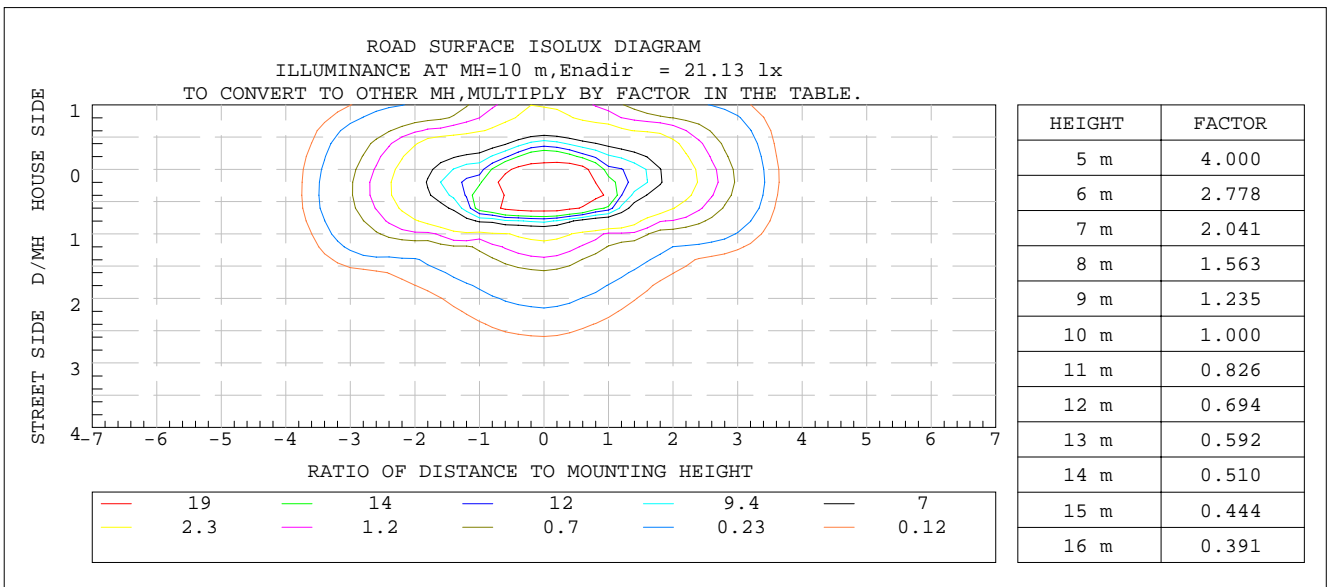
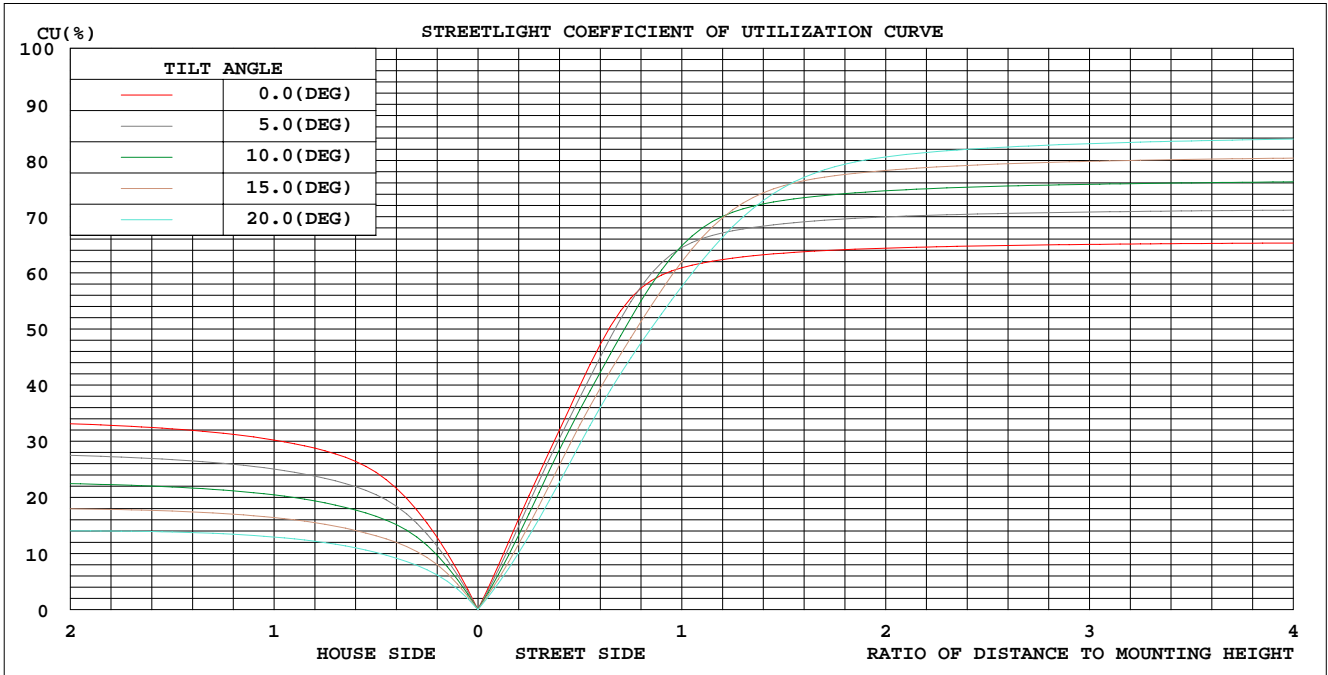
IES:Type I - Very Short
 CIE:Narrow - Intermediate
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:17.79cd/klm
 Max.At90:0.2812cd/klm
 Max.80-90:17.79cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7181
90%	6463
80%	5744
70%	5026
60%	4308
50%	3590
40%	2872
30%	2154
20%	1436
10%	718
5%	359

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:90W LED STREET LIGHT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

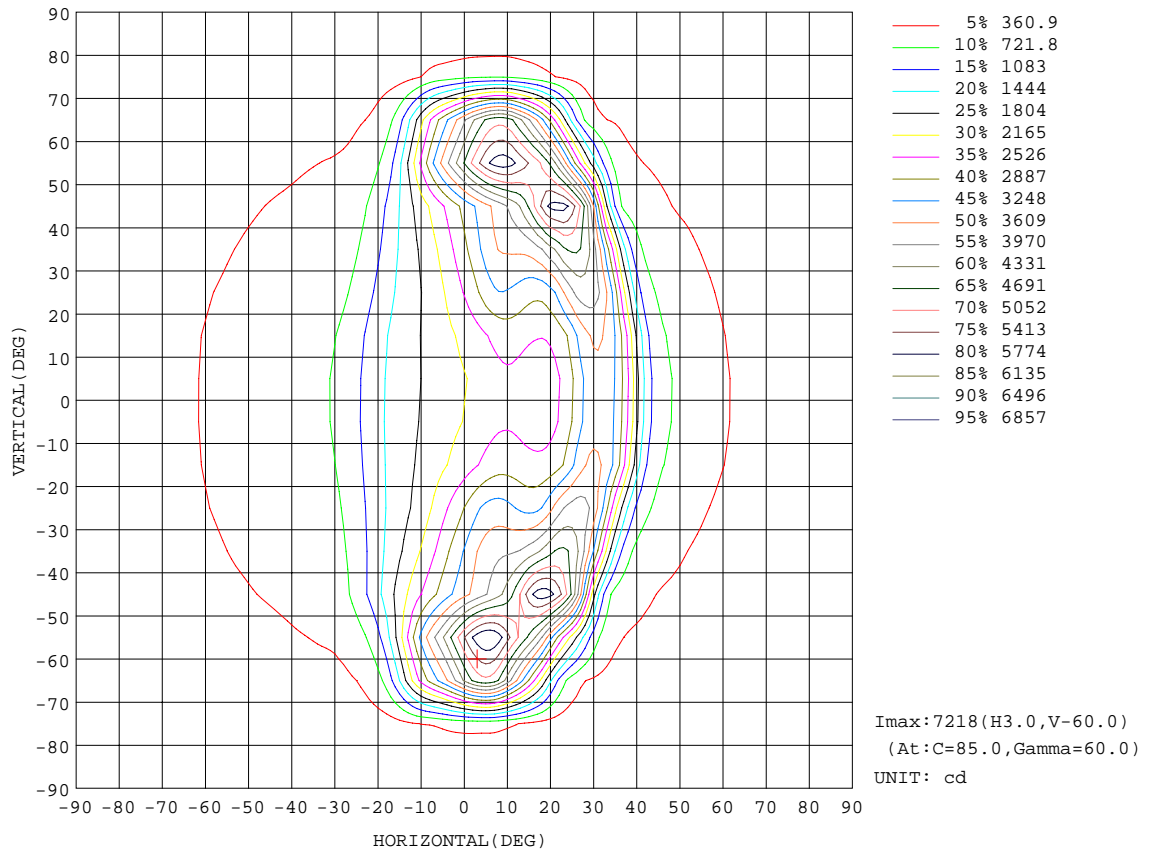
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	2254	2296	2209	2081	1995	2061	2174	2269	0- 5	51.40	51.40	0.64,0.64
10	2334	2515	2305	1999	1841	1964	2235	2467	5- 10	157.3	208.7	2.59,2.59
15	2217	2603	2401	1878	1642	1830	2296	2565	10- 15	261.3	470.0	5.82,5.82
20	2351	2614	2697	1725	1429	1674	2470	2562	15- 20	361.7	831.7	10.3,10.3
25	2886	2839	2994	1551	1112	1484	2644	2693	20- 25	471.6	1303	16.2,16.2
30	3438	3503	3290	1343	805.0	1229	2818	3161	25- 30	598.6	1902	23.6,23.6
35	3063	4233	3390	1072	685.9	922.3	2915	4009	30- 35	725.0	2627	32.6,32.6
40	1713	4268	3489	825.5	629.0	693.1	3012	4508	35- 40	803.7	3431	42.5,42.5
45	823.0	2834	3589	647.6	604.1	572.2	3109	3769	40- 45	805.0	4236	52.5,52.5
50	687.4	1279	4596	550.3	525.0	506.4	4016	2119	45- 50	805.9	5042	62.5,62.5
55	519.5	519.6	5604	500.3	431.7	449.6	4924	733.0	50- 55	797.7	5839	72.4,72.4
60	380.9	391.9	6612	402.5	389.2	378.2	5831	466.0	55- 60	769.2	6608	81.9,81.9
65	302.5	282.5	4564	328.6	332.1	315.9	4102	350.0	60- 65	656.1	7265	90,90
70	246.2	198.0	2516	261.9	259.7	250.7	2373	246.5	65- 70	446.7	7711	95.6,95.6
75	196.4	134.9	468.7	193.9	189.2	186.2	643.6	168.4	70- 75	243.8	7955	98.6,98.6
80	118.7	66.16	0	111.4	95.63	107.3	0	88.44	75- 80	90.59	8046	99.7,99.7
85	57.87	0	0	0	30.87	0	0	0	80- 85	21.13	8067	100,100
90	2.269	0	0	0	0.6160	0	0	0	85- 90	1.828	8069	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:2013-08-07

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

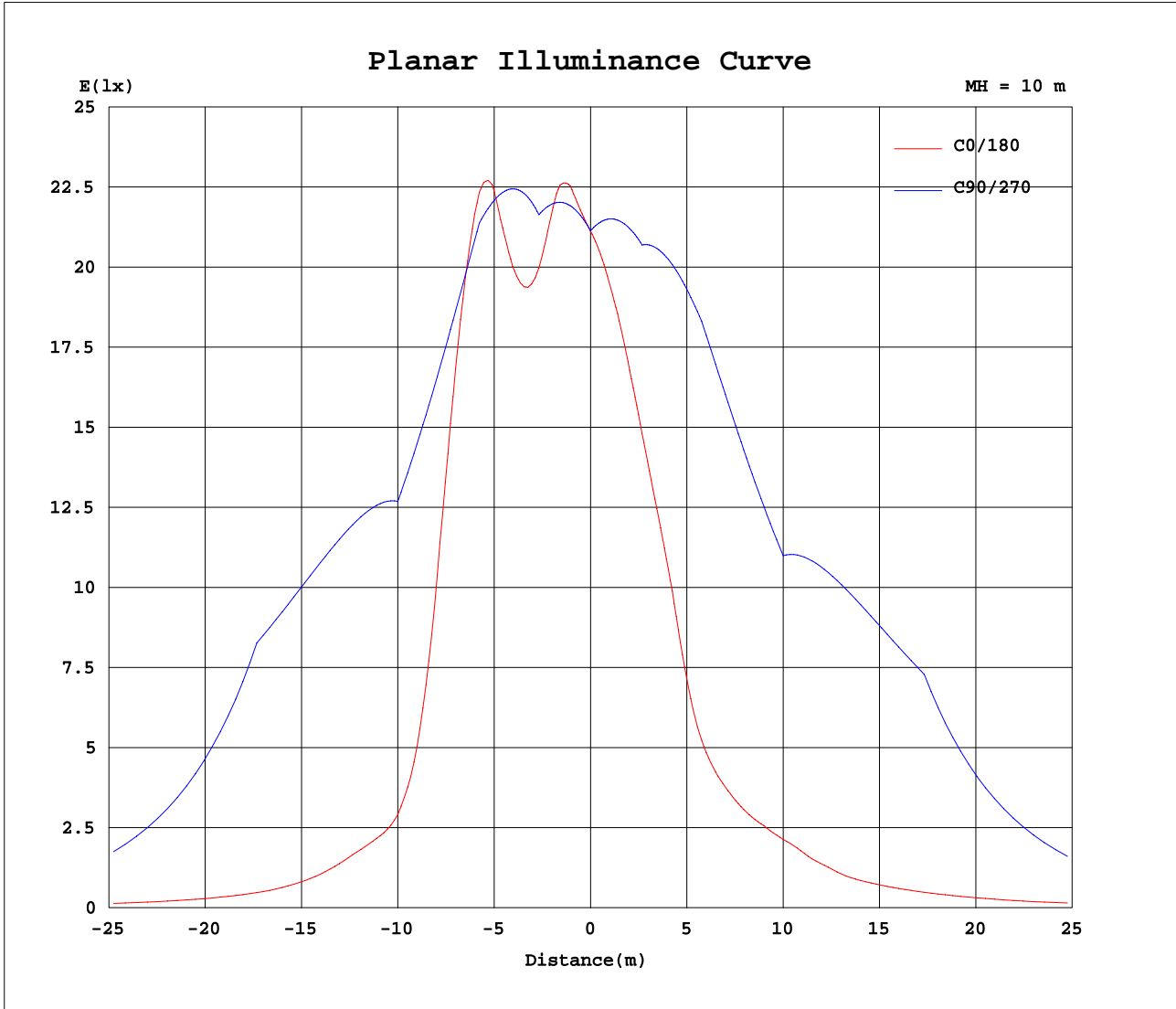
NAME:90W LED STREET LIGHT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



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:90W LED 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	2113	2113	2113	2113	2113	2113	2113	2113	2113	2113	2113	2113	2113	2113	2113	2113	2113	2113	2113
5	2254	2265	2275	2284	2290	2295	2298	2300	2299	2296	2292	2285	2278	2269	2259	2247	2235	2222	2209
10	2334	2357	2381	2406	2430	2455	2474	2491	2505	2515	2515	2507	2492	2470	2442	2411	2377	2341	2305
15	2217	2253	2291	2330	2370	2412	2456	2506	2556	2603	2643	2673	2687	2677	2646	2597	2536	2469	2401
20	2351	2390	2419	2440	2456	2472	2495	2525	2566	2614	2686	2781	2871	2947	2988	2980	2922	2823	2697
25	2886	2944	2970	2959	2922	2863	2793	2728	2796	2839	2866	2924	3029	3159	3281	3346	3321	3193	2994
30	3438	3474	3509	3547	3575	3551	3520	3510	3524	3503	3383	3247	3209	3317	3495	3656	3705	3570	3290
35	3063	3048	3100	3220	3387	3505	3646	3875	4094	4233	4252	3977	3736	3735	3809	3869	3852	3687	3390
40	1713	1665	1715	1877	2115	2277	2516	3015	3706	4268	4544	4724	4698	4626	4431	4190	4018	3794	3489
45	823	811	820	858	930	1008	1131	1393	2060	2834	3673	4618	5243	5539	5331	4679	4231	3901	3589
50	687	669	663	649	627	627	612	650	867	1279	2066	3639	4880	5345	5357	4998	4994	5000	4596
55	520	502	505	490	468	470	476	475	502	520	862	1847	3000	3719	4449	4945	5642	6104	5604
60	381	370	365	350	334	336	339	333	365	392	461	809	1362	1967	3181	4586	6142	7181	6612
65	302	295	287	275	269	264	259	258	267	282	315	357	440	862	1957	3179	4288	4986	4564
70	246	243	235	226	225	213	209	205	199	198	221	255	298	483	1045	1737	2340	2735	2516
75	196	186	168	168	170	163	164	156	138	135	145	163	181	225	326	421	473	488	469
80	119	102	102	105	108	111	135	117	78.0	66.2	57.7	50.5	41.8	33.6	26.6	20.1	11.8	3.47	0.00
85	57.9	34.3	36.4	31.3	37.7	24.0	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
90	2.27	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:90W LED 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	2113	2113	2113	2113	2113	2113	2113	2113	2113	2113	2113	2113	2113	2113	2113	2113	2113	2113	2113
5	2195	2181	2166	2152	2137	2123	2108	2094	2081	2068	2056	2044	2033	2023	2015	2007	2001	1995	1998
10	2268	2233	2197	2162	2127	2093	2060	2028	1999	1972	1947	1923	1902	1884	1869	1857	1847	1841	1843
15	2334	2271	2210	2150	2090	2034	1979	1927	1878	1832	1791	1754	1723	1696	1675	1659	1648	1642	1644
20	2564	2437	2310	2185	2070	1966	1877	1798	1725	1662	1603	1555	1513	1480	1456	1439	1430	1429	1427
25	2777	2573	2367	2171	2002	1867	1750	1644	1551	1466	1391	1323	1259	1202	1157	1126	1111	1112	1106
30	2974	2675	2370	2105	1906	1744	1602	1470	1343	1218	1097	997	922	862	826	807	800	805	798
35	3066	2742	2404	2104	1853	1632	1434	1250	1072	924	812	741	701	681	671	671	676	686	678
40	3165	2822	2465	2135	1825	1531	1256	1012	826	704	641	610	601	602	605	610	619	629	627
45	3273	2916	2539	2145	1752	1373	1049	799	648	580	550	546	550	567	591	596	599	604	635
50	3986	3389	2786	2118	1548	1160	852	634	550	520	501	500	512	528	549	569	549	525	544
55	4681	3864	2983	1944	1197	821	599	504	500	461	446	448	454	472	523	504	441	432	429
60	5353	4309	3081	1670	852	560	440	414	403	391	390	389	388	395	389	388	386	389	387
65	3712	3050	2181	1130	566	390	331	327	329	323	323	328	333	335	345	339	334	332	332
70	2065	1712	1221	639	379	293	264	261	262	258	256	263	269	275	282	279	266	260	263
75	448	426	378	271	243	213	201	196	194	195	191	200	212	214	220	216	198	189	190
80	3.21	11.2	20.3	27.0	42.2	55.5	71.6	88.0	111	133	127	129	136	130	133	129	113	95.6	98.7
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	25.4	45.7	52.2	45.4	42.0	30.9	33.5
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	0.62	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:90W LED 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	2113	2113	2113	2113	2113	2113	2113	2113	2113	2113	2113	2113	2113	2113	2113	2113	2113	2113	2113
5	2002	2008	2014	2022	2030	2040	2050	2061	2072	2084	2097	2110	2123	2136	2149	2162	2174	2187	2199
10	1849	1857	1868	1883	1900	1919	1940	1964	1990	2018	2047	2079	2109	2140	2172	2203	2235	2268	2301
15	1650	1661	1678	1699	1726	1756	1791	1830	1874	1921	1970	2023	2075	2131	2184	2239	2296	2357	2420
20	1432	1445	1466	1495	1529	1570	1619	1674	1734	1796	1866	1946	2036	2135	2243	2353	2470	2593	2718
25	1116	1141	1181	1234	1296	1363	1418	1484	1561	1645	1738	1840	1961	2104	2271	2451	2644	2853	3059
30	801	813	842	890	955	1030	1124	1229	1346	1471	1594	1722	1865	2046	2272	2534	2818	3132	3408
35	674	676	684	695	712	748	819	922	1065	1241	1431	1615	1813	2037	2302	2600	2915	3253	3539
40	622	616	610	603	603	612	637	693	807	987	1224	1487	1757	2034	2339	2669	3012	3359	3651
45	656	662	620	563	541	537	548	572	628	764	998	1308	1665	2023	2374	2742	3109	3454	3777
50	574	585	574	531	499	486	489	506	527	607	784	1078	1542	2165	2802	3412	4016	4537	4815
55	436	463	456	439	441	435	433	450	457	476	587	821	1335	2238	3213	4073	4924	5655	5887
60	387	381	380	375	375	377	373	378	386	392	454	602	1081	2215	3578	4717	5831	6778	6887
65	333	332	323	320	317	311	311	316	319	318	350	437	740	1547	2549	3327	4102	4814	4979
70	266	268	265	257	253	247	249	251	254	255	269	320	465	875	1475	1930	2373	2768	2852
75	194	201	194	200	193	182	182	186	187	194	201	224	262	307	460	558	644	704	753
80	104	107	111	114	117	114	117	107	83.7	68.8	52.8	40.2	28.9	17.3	12.4	4.05	0.00	5.10	19.9
85	32.2	34.7	33.3	18.1	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:90W LED 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	2113	2113	2113	2113	2113	2113	2113	2113	2113	2113	2113	2113	2113	2113	2113				
5	2211	2222	2233	2244	2253	2262	2269	2274	2278	2279	2279	2277	2274	2269	2262				
10	2335	2370	2402	2427	2447	2460	2467	2467	2462	2451	2437	2417	2396	2375	2354				
15	2487	2540	2578	2606	2614	2599	2565	2523	2478	2432	2390	2351	2315	2281	2248				
20	2814	2859	2854	2804	2724	2635	2562	2513	2473	2445	2427	2417	2409	2398	2379				
25	3168	3160	3072	2947	2827	2744	2693	2663	2634	2698	2776	2848	2898	2930	2924				
30	3487	3376	3208	3055	2992	3045	3161	3292	3359	3416	3470	3523	3532	3506	3475				
35	3625	3572	3461	3378	3428	3771	4009	4081	3996	3827	3623	3458	3289	3155	3078				
40	3815	3946	4154	4358	4509	4585	4508	4221	3683	3115	2631	2329	2002	1792	1703				
45	4108	4559	5131	5306	5111	4550	3769	3043	2255	1555	1195	1004	910	837	817				
50	4847	5101	5582	5636	4970	3451	2119	1340	916	692	670	660	666	671	674				
55	5495	5146	4730	4035	3111	1709	733	608	552	537	547	530	522	519	508				
60	5943	4758	3455	2244	1426	752	466	444	409	392	385	373	371	372	372				
65	4361	3407	2093	859	467	415	350	322	296	284	287	291	295	296	297				
70	2489	1921	1130	480	336	293	246	225	226	228	233	239	243	245	245				
75	707	600	426	271	222	195	168	160	166	180	183	191	197	198	194				
80	36.5	47.1	53.0	60.7	70.7	79.6	88.4	98.1	105	142	144	136	133	127	122				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38.4	74.7	70.4	65.1	58.6			
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: