

Light Output Ratio:	100.0%
Luminaire Power:	149.71 W
I80 = 29.0 cd per klm.	I88 = 1.6 cd per klm.
I90 = 0.7 cd per klm.	I80/I88 = 17.941

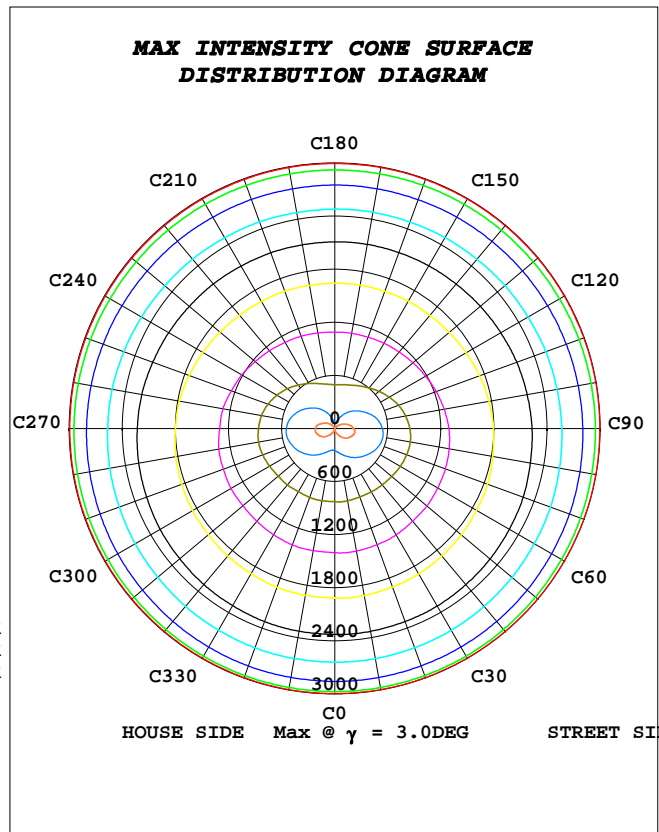
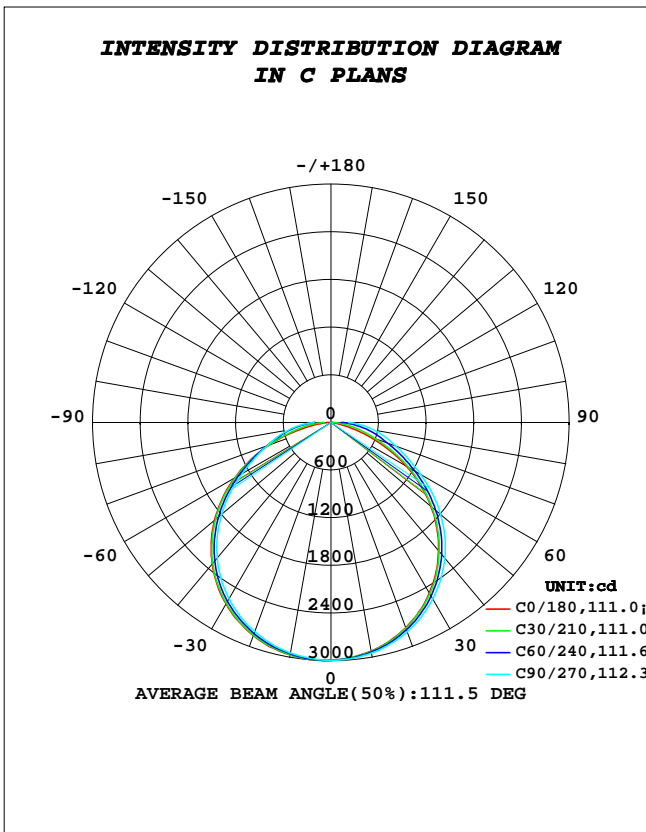
**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
**Test Speed: HIGH**  
**Temperature: 24DEG**  
**Operators: Gapeeva**  
**Test Date: 2015-03-31**

**γ Range: 0 - 90DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.263**  
**Humidity: %**  
**Test Distance: 17.220m [K=1.0000]**  
**Remarks:**

STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.4V I:0.682A P:149.71W PF:0.9730 Lamp Flux:15898.61x1 lm		
NAME:SVT-Str U-V-150-400	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: No name	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 106.2 lm/W			
MODEL		I <sub>max</sub> (cd)	5615	η street_up(%)	0.0
NOMINAL POWER(W)	149	LOR(%)	100.0	η street_down(%)	50.1
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	15898	η house_up(%)	0.0
NOMINAL FLUX(lm)	15898.61	MAXIMUM @(C,γ )	350,3.0	η house_down(%)	49.9
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.0010
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	19.255

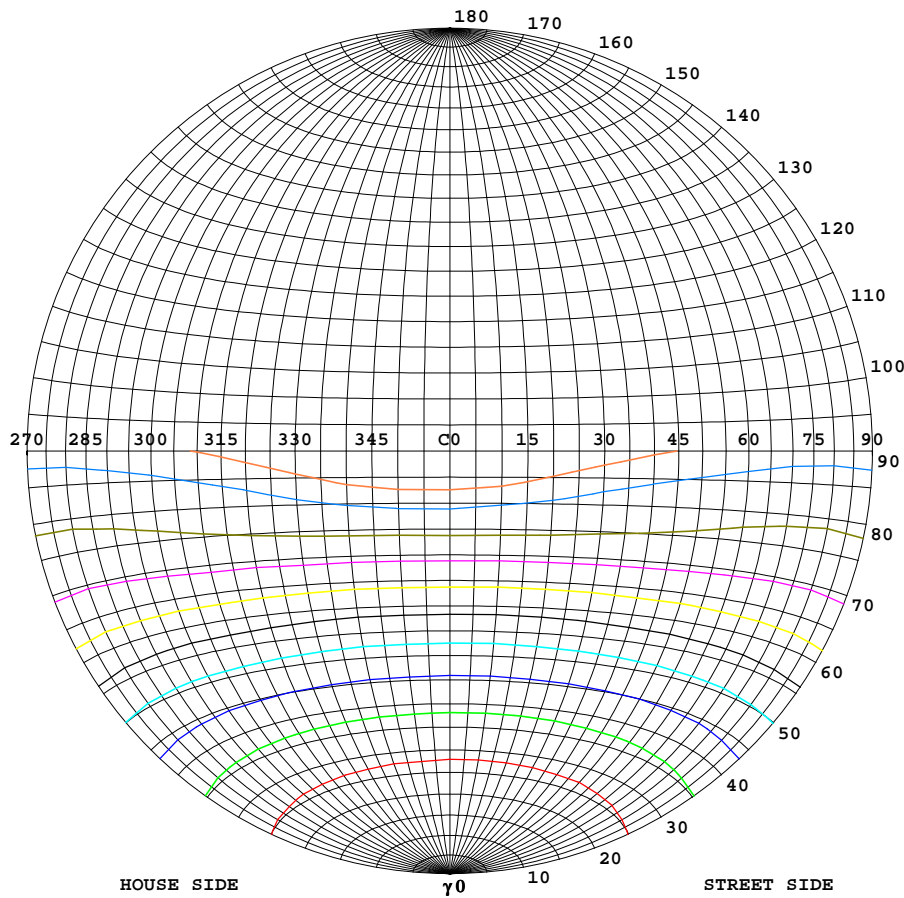


C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:24DEG  
 Operators:Gapeeva  
 Test Date:2015-03-31

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.263  
 Humidity:%  
 Test Distance:17.220m [K=1.0000]  
 Remarks:

Note: SLI:Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM



Classification:

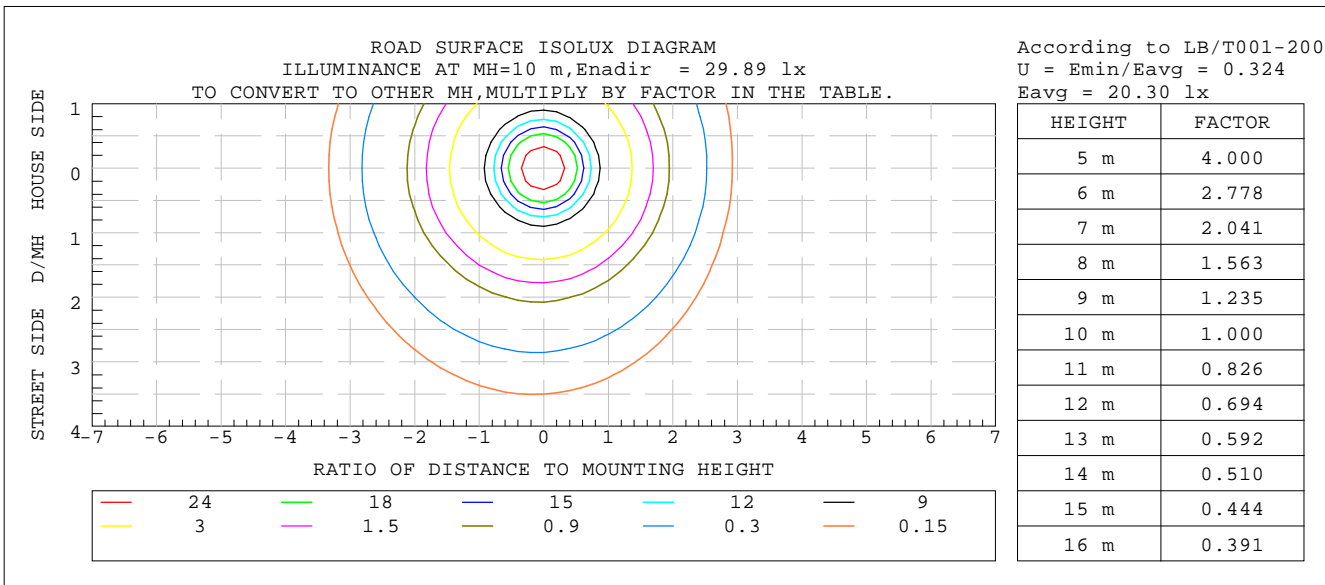
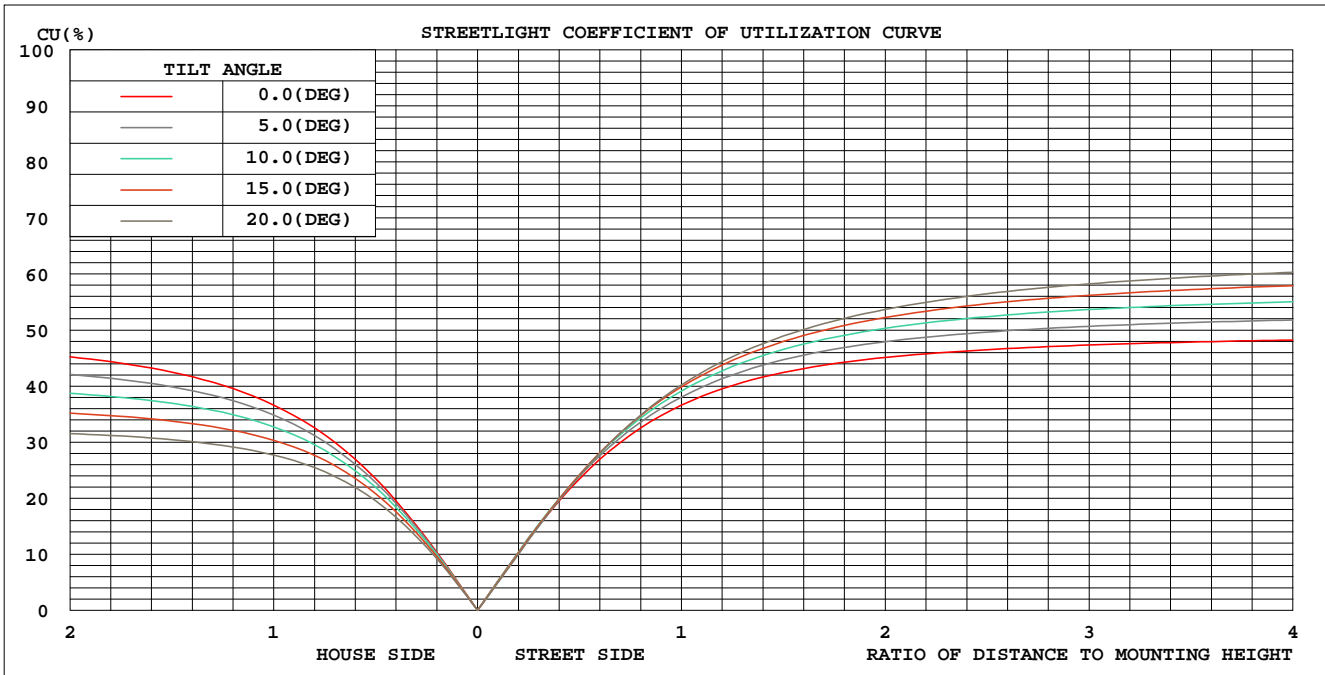
IES:Type II - Very Short  
 CIE:Narrow - Short  
 IES:Semi cut-off  
 CIE:Semi-cut-off  
 Max.At80:64.55cd/klm  
 Max.At90:27.04cd/klm  
 Max.80-90:64.55cd/klm  
 NRB 5101:Limited[5.9%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2998
90%	2698
80%	2399
70%	2099
60%	1799
50%	1499
40%	1199
30%	899
20%	600
10%	300
5%	150

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 24DEG  
 Operators: Gapeeva  
 Test Date: 2015-03-31

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.263  
 Humidity: %  
 Test Distance: 17.220m [K=1.0000]  
 Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM



According to LB/T001-2008:  
 $U = E_{min}/E_{avg} = 0.324$   
 $E_{avg} = 20.30 \text{ lx}$

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 24DEG  
 Operators: Gapeeva  
 Test Date: 2015-03-31

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.263  
 Humidity: %  
 Test Distance: 17.220m [K=1.0000]  
 Remarks:

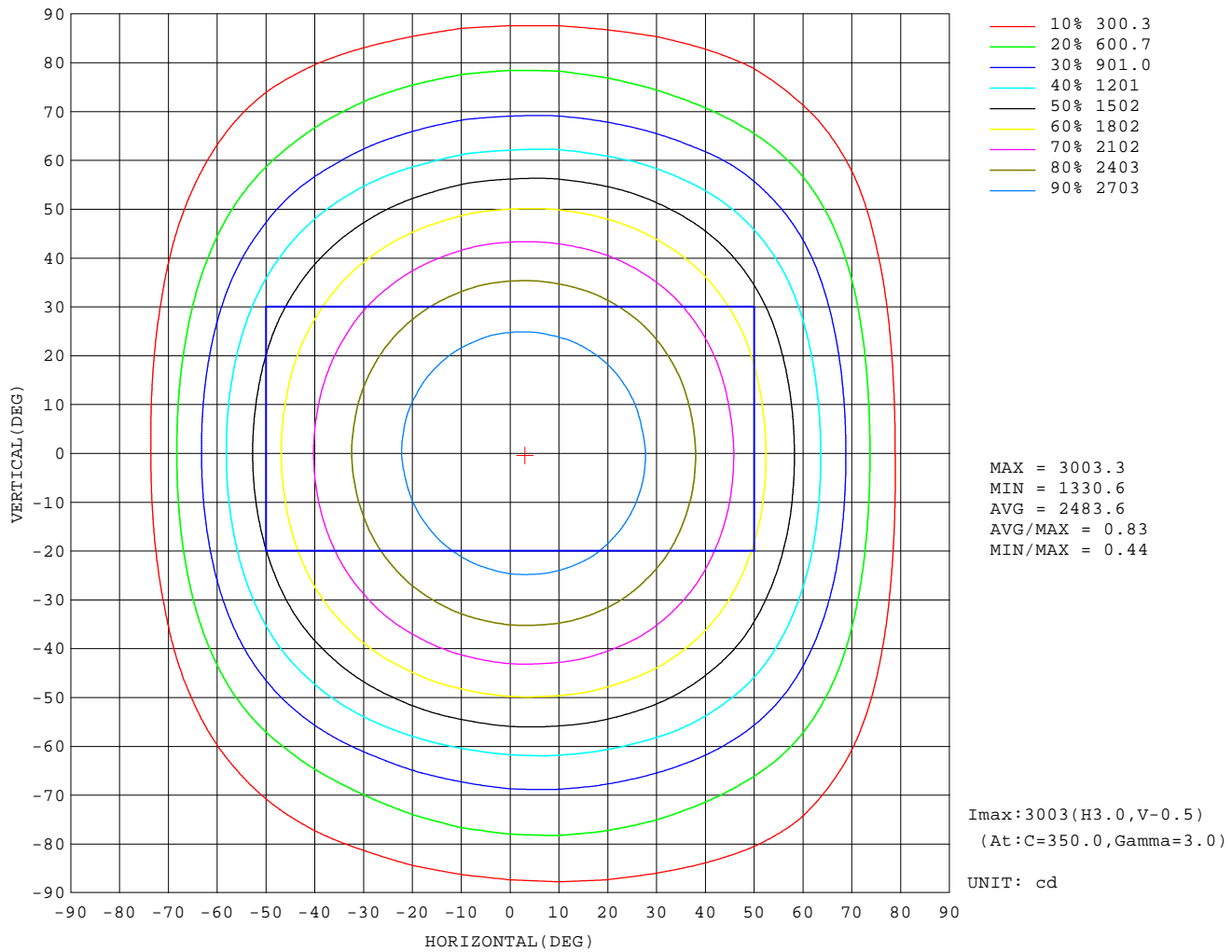
## ZONAL FLUX DIAGRAM

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	2972	2964	2945	2929	2922	2930	2947	2965	0- 10	283.5	283.53	3.31,3.31
20	2858	2842	2803	2766	2752	2767	2805	2842	10- 20	815.2	1099	12.8,12.8
30	2640	2619	2566	2505	2480	2504	2566	2618	20- 30	1242	2341	27.3,27.3
40	2327	2298	2229	2141	2110	2141	2232	2295	30- 40	1504	3845	44.8,44.8
50	1915	1875	1795	1681	1642	1685	1800	1874	40- 50	1552	5397	63,63
60	1404	1364	1290	1144	1091	1163	1301	1364	50- 60	1369	6766	78.9,78.9
70	826.6	837.6	849.0	628.1	497.4	672.7	862.8	835.8	60- 70	993.8	7760	90.5,90.5
80	248.2	446.6	538.8	280.7	62.94	330.2	548.1	418.3	70- 80	574.4	8334	97.2,97.2
90	5.764	151.3	215.0	45.29	2.226	70.07	219.2	122.5	80- 90	239.7	8574	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
**Test Speed: HIGH**  
**Temperature:24DEG**  
**Operators:Gapeeva**  
**Test Date:2015-03-31**

**$\gamma$  Range: 0 - 90DEG**  
 **$\gamma$  Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.263**  
**Humidity:%**  
**Test Distance:17.220m [K=1.0000]**  
**Remarks:**

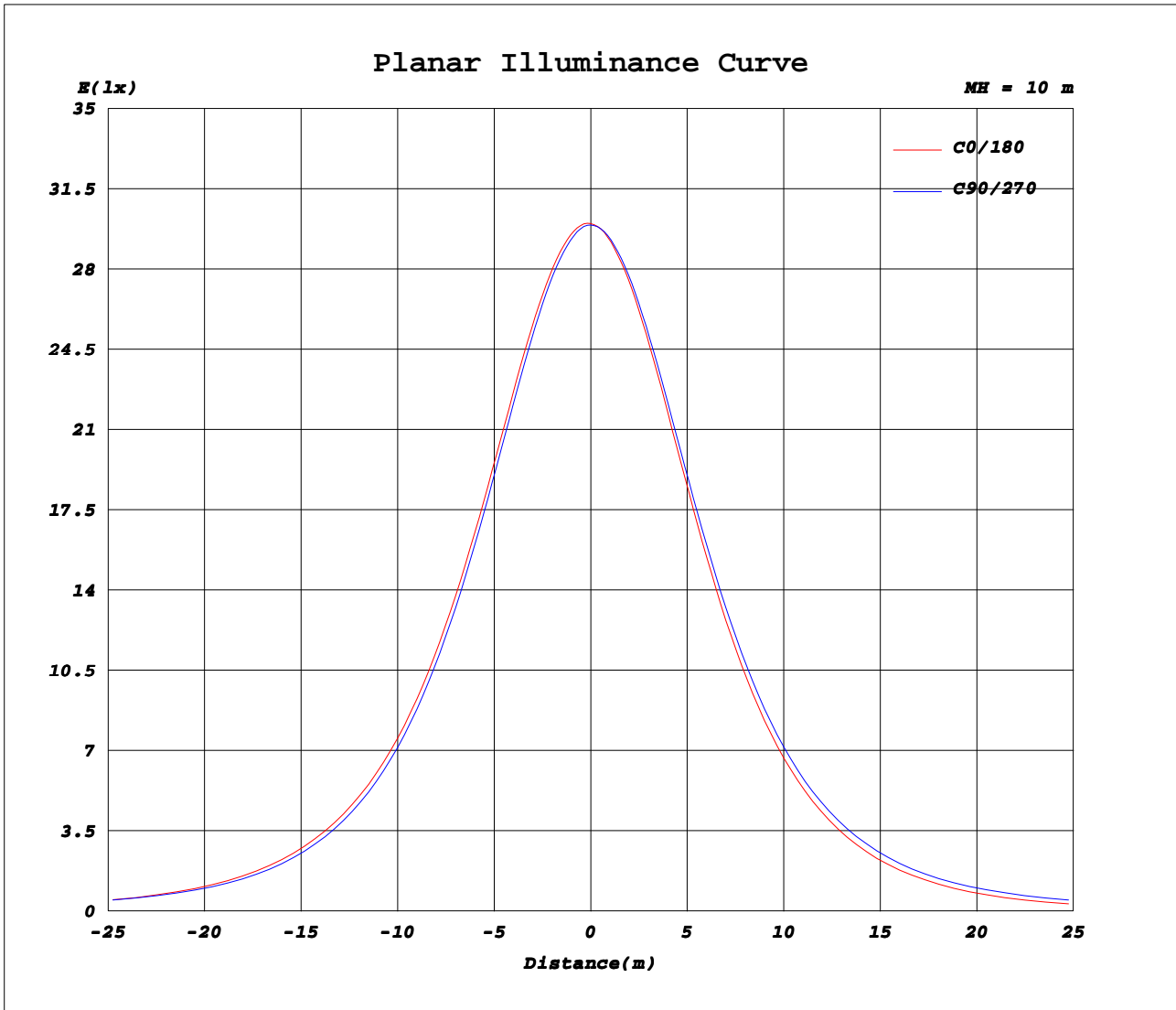
ISOCANDELA DIAGRAM



**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
**Test Speed: HIGH**  
**Temperature: 24DEG**  
**Operators: Gapeeva**  
**Test Date: 2015-03-31**

**γ Range: 0 - 90DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.263**  
**Humidity: %**  
**Test Distance: 17.220m [K=1.0000]**  
**Remarks:**

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 24DEG  
 Operators: Gapeeva  
 Test Date: 2015-03-31

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.263  
 Humidity: %  
 Test Distance: 17.220m [K=1.0000]  
 Remarks:

Test Distance: 17.220 metres  
Test Temperature: 24 degrees Celsius

Object: No. LED RD Departament # 137-11.1  
DC power supply 2.5 A (Without AC-DC power supply)

Test Results: Colorimetric (on axic):  
x = 0.376; y = 0.404; Tc = 4300 K

Uncertainties:

Testing Procedure:

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**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
**Test Speed: HIGH**  
**Temperature: 24DEG**  
**Operators: Gapeeva**  
**Test Date: 2015-03-31**

**γ Range: 0 - 90DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.263**  
**Humidity: %**  
**Test Distance: 17.220m [K=1.0000]**  
**Remarks:**



LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	2994	2994	2994	2994	2994	2994	2994	2994	2994	2994	2994	2994	2994	2994	2994	2994	2994	2994	2994
5	2996	2995	2996	2994	2992	2989	2988	2987	2984	2981	2979	2977	2975	2973	2971	2971	2970	2969	2970
10	2972	2971	2970	2969	2966	2961	2958	2956	2949	2945	2940	2938	2932	2929	2928	2926	2924	2922	2922
15	2929	2927	2925	2922	2919	2912	2907	2902	2892	2887	2879	2873	2867	2862	2855	2854	2850	2849	2849
20	2858	2856	2853	2851	2846	2838	2829	2823	2812	2803	2793	2784	2777	2770	2762	2758	2752	2751	2752
25	2762	2761	2758	2755	2747	2740	2728	2720	2707	2698	2685	2675	2662	2652	2642	2636	2630	2628	2628
30	2640	2640	2636	2632	2624	2615	2604	2594	2579	2566	2550	2539	2522	2512	2499	2492	2484	2482	2480
35	2498	2497	2491	2487	2475	2467	2454	2444	2424	2410	2393	2377	2356	2343	2329	2321	2312	2309	2305
40	2327	2327	2321	2316	2304	2292	2278	2267	2244	2229	2208	2189	2166	2149	2132	2125	2117	2114	2110
45	2132	2131	2124	2117	2104	2094	2076	2065	2040	2023	1999	1977	1952	1934	1914	1906	1898	1893	1889
50	1915	1916	1907	1897	1881	1868	1850	1839	1813	1795	1770	1744	1713	1692	1671	1663	1650	1647	1642
55	1670	1672	1662	1654	1633	1623	1605	1595	1572	1553	1518	1490	1454	1427	1404	1396	1383	1379	1376
60	1404	1407	1398	1389	1368	1361	1344	1331	1314	1290	1256	1222	1186	1157	1131	1115	1100	1095	1091
65	1122	1126	1117	1113	1102	1095	1084	1083	1075	1054	1016	978	930	893	857	827	809	798	792
70	827	830	824	827	833	842	857	866	868	849	815	769	712	656	601	559	524	506	497
75	519	535	550	578	604	638	669	696	709	694	659	606	538	470	400	339	278	238	232
80	248	281	327	377	425	468	511	541	553	539	505	450	379	315	247	175	108	67.2	62.9
85	73.2	100	155	219	270	310	349	381	391	377	344	294	230	178	115	63.0	25.4	5.34	5.26
90	5.76	19.2	50.1	87.7	131	172	199	222	232	215	189	145	102	61.5	29.0	6.73	2.76	1.79	2.23

**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
**Test Speed: HIGH**  
**Temperature: 24DEG**  
**Operators: Gapeeva**  
**Test Date: 2015-03-31**

**γ Range: 0 - 90DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.263**  
**Humidity: %**  
**Test Distance: 17.220m [K=1.0000]**  
**Remarks:**

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: cd

C(DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	2994	2994	2994	2994	2994	2994	2994	2994	2994	2994	2994	2994	2994	2994	2994	2994	2994		
5	2968	2970	2971	2974	2974	2976	2979	2981	2983	2985	2987	2991	2991	2993	2994	2996	2995		
10	2921	2924	2926	2930	2930	2933	2938	2943	2947	2952	2956	2960	2963	2966	2970	2971	2971		
15	2847	2854	2855	2860	2862	2869	2875	2882	2889	2896	2902	2909	2914	2918	2924	2926	2927		
20	2750	2756	2758	2766	2769	2777	2786	2796	2805	2815	2822	2832	2838	2845	2851	2856	2855		
25	2626	2633	2636	2645	2650	2663	2675	2688	2698	2711	2720	2731	2738	2749	2754	2760	2760		
30	2478	2486	2490	2500	2509	2522	2538	2555	2566	2582	2591	2605	2612	2624	2630	2637	2638		
35	2305	2313	2318	2332	2340	2358	2376	2398	2412	2428	2440	2453	2463	2476	2484	2492	2494		
40	2108	2115	2120	2135	2147	2169	2189	2215	2232	2251	2263	2280	2288	2302	2311	2322	2325		
45	1889	1898	1902	1919	1933	1956	1981	2010	2028	2048	2063	2080	2089	2104	2115	2125	2128		
50	1644	1654	1660	1674	1695	1724	1751	1784	1800	1825	1840	1856	1866	1882	1894	1909	1913		
55	1378	1390	1398	1415	1438	1473	1503	1541	1559	1587	1599	1614	1620	1634	1651	1666	1668		
60	1097	1112	1125	1150	1177	1215	1245	1285	1301	1332	1342	1355	1357	1371	1385	1401	1401		
65	804	820	844	887	922	972	1009	1049	1067	1090	1087	1094	1093	1104	1110	1121	1121		
70	511	542	590	643	703	757	805	843	863	876	868	852	837	834	825	829	829		
75	265	320	382	458	523	590	645	687	707	708	686	655	620	586	557	537	524		
80	90.8	157	227	299	362	427	483	528	548	550	524	491	443	394	338	286	252		
85	14.8	48.2	96.2	159	217	269	320	366	386	386	361	330	284	234	169	115	78.5		
90	2.68	4.39	19.0	48.7	91.4	130	165	206	219	222	204	180	145	99.9	62.2	27.9	6.96		

**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
**Test Speed: HIGH**  
**Temperature: 24DEG**  
**Operators: Gapeeva**  
**Test Date: 2015-03-31**

**γ Range: 0 - 90DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.263**  
**Humidity: %**  
**Test Distance: 17.220m [K=1.0000]**  
**Remarks:**