



Light Output Ratio:	100.0%
Luminaire Power:	72.34 W

I80 = 29.0 cd per klm.	I88 = 1.6 cd per klm.
I90 = 0.7 cd per klm.	I80/I88 = 17.941

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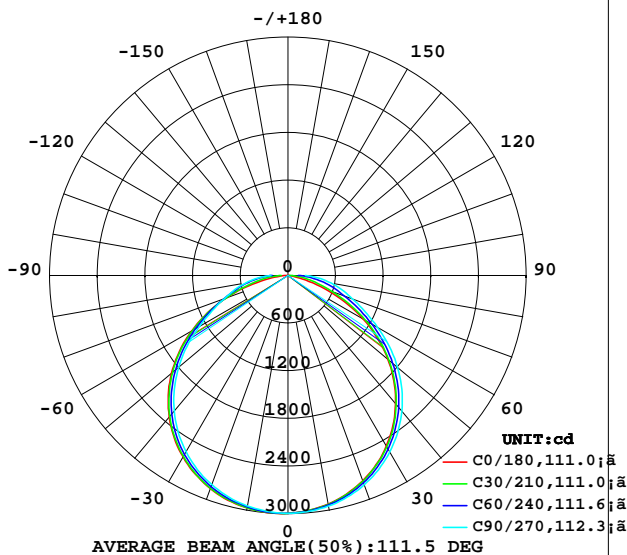
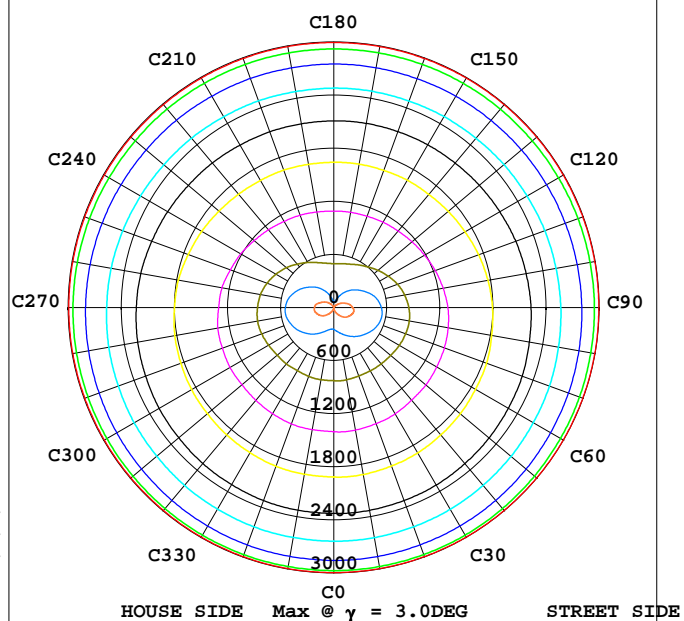
**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
**Test Speed: HIGH**  
**Temperature: 24DEG**  
**Operators: Gapeeva**  
**Test Date: 2015-03-31**

**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:**

## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.1V I:0.329A P:72.34W PF:0.9730 Lamp Flux:7989.94x1 lm		
NAME:SVT-Str U-V-75-250	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: No name	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 110.45 lm/W			
MODEL		Imax(cd)	3745	$\eta$ street_up(%)	0.0
NOMINAL POWER(W)	72	LOR(%)	100.0	$\eta$ street_down(%)	50.1
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	7990	$\eta$ house_up(%)	0.0
NOMINAL FLUX(lm)	7989.94	MAXIMUM @(C, $\gamma$ )	350,3.0	$\eta$ house_down(%)	49.9
LAMPS INSIDE	1	$\eta$ up(%)	0.0	76 FLASHAREA(m2)	0.0010
TEST VOLTAGE(V)	220	$\eta$ down(%)	100.0	SLI	19.255

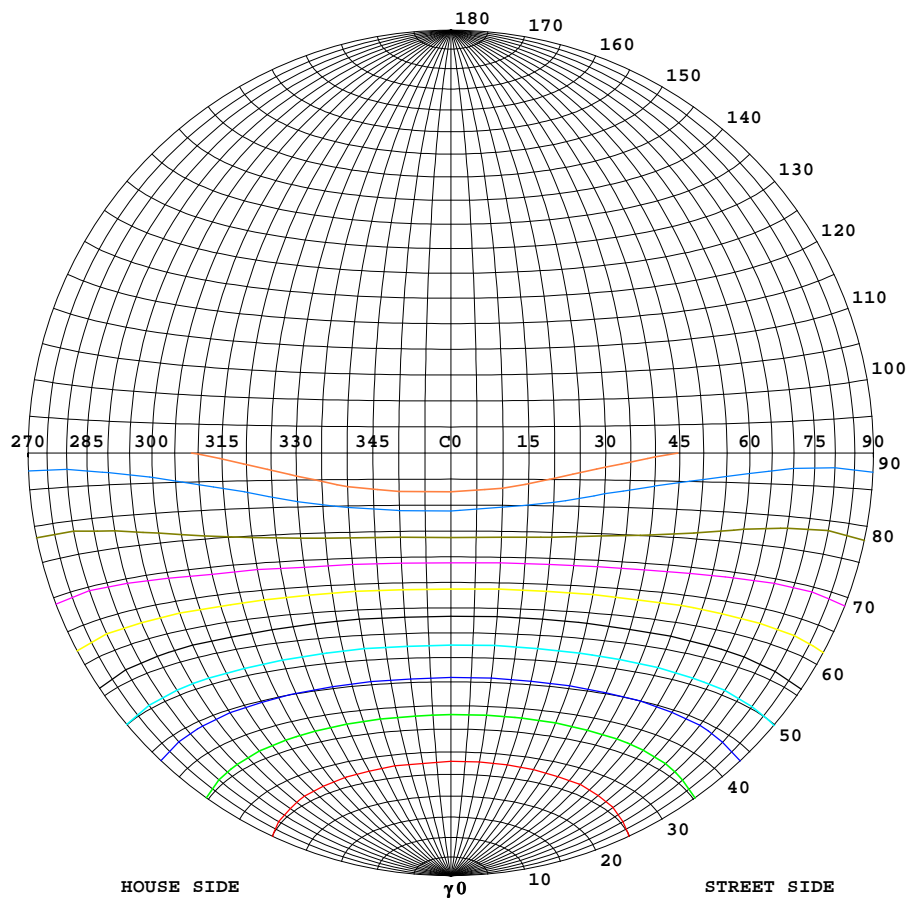
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

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:

Note: SLI:Specific Luminaire Index

## STREETLIGHT ISOCANDELA DIAGRAM



## Classification:

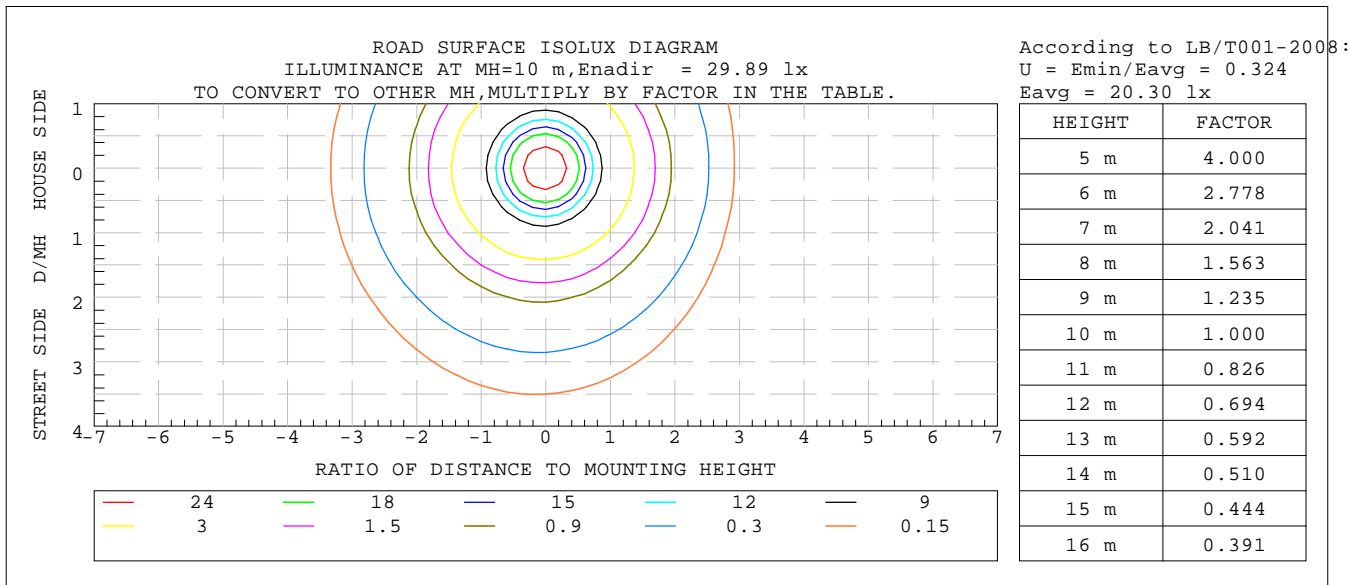
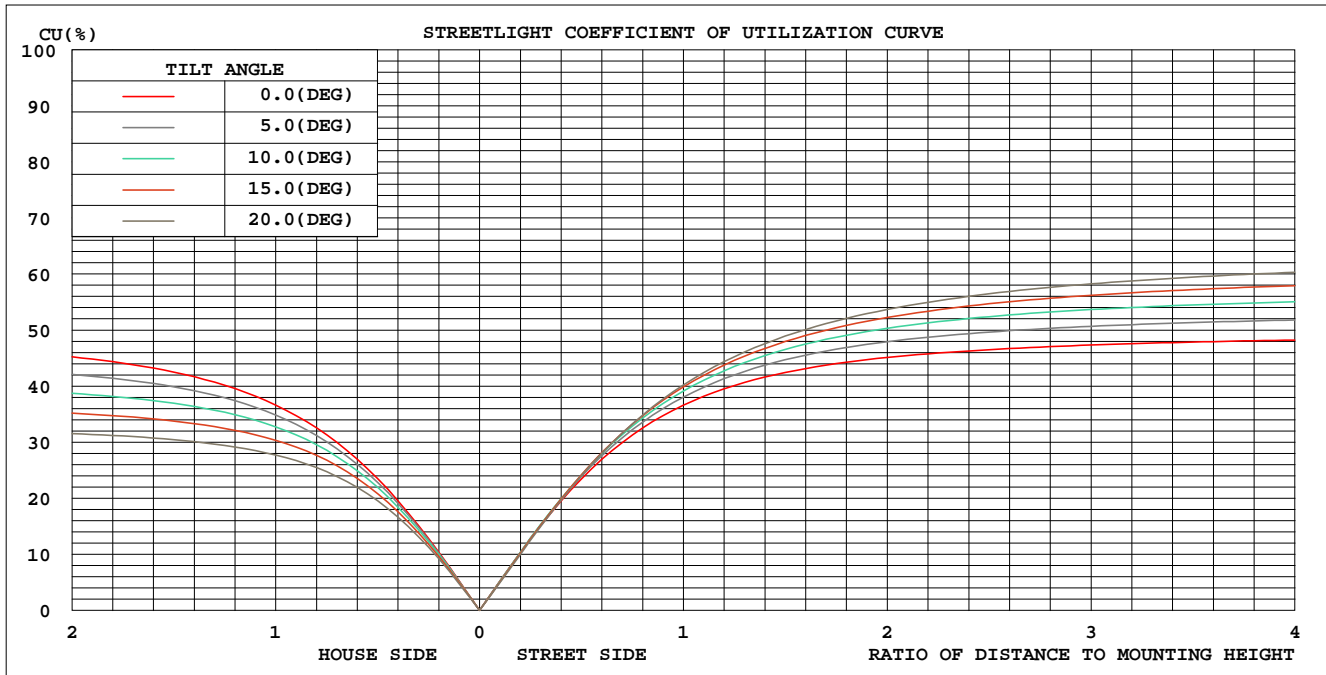
IES:Type II - Very Short  
 CIE:Narrow - Short  
 IES:Semi cut-off  
 CIE:Semi-cut-off  
 Max.At80:64.55cd/klm  
 Max.At90:27.04cd/klm  
 Max.80-90:64.55cd/klm  
 NRB 5101:Limited[5.9%]

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



**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:**

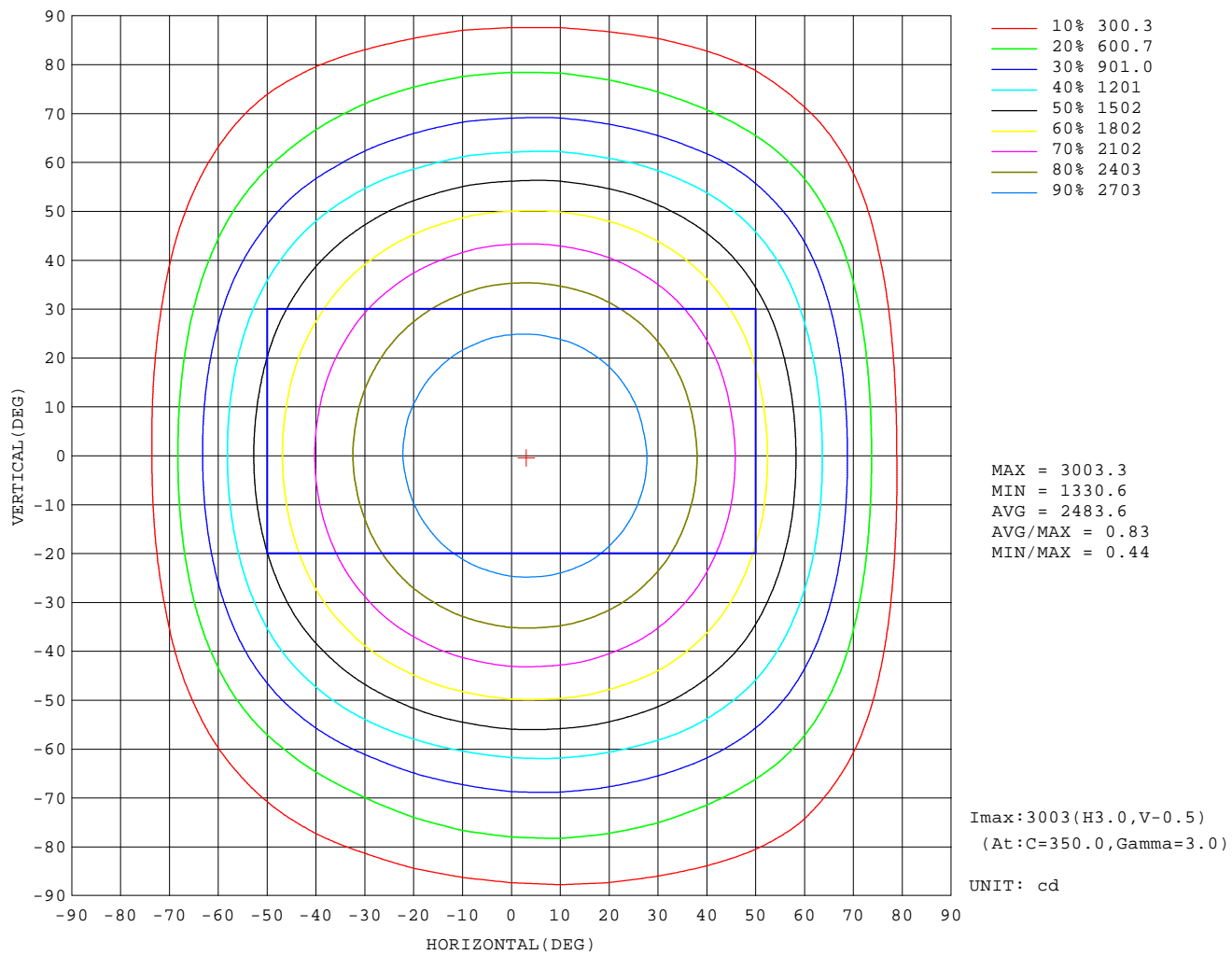
## ZONAL FLUX DIAGRAM

$\gamma$	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	8.8, 12.8
30	2640	2619	2566	2505	2480	2504	2566	2618	20- 30	1242	2341.27	3.3, 27.3
40	2327	2298	2229	2141	2110	2141	2232	2295	30- 40	1504	3845.44	8.8, 44.8
50	1915	1875	1795	1681	1642	1685	1800	1874	40- 50	1552	5397.63	63, 63
60	1404	1364	1290	1144	1091	1163	1301	1364	50- 60	1369	6766.78	9.9, 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	5.5, 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	2.2, 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
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:**

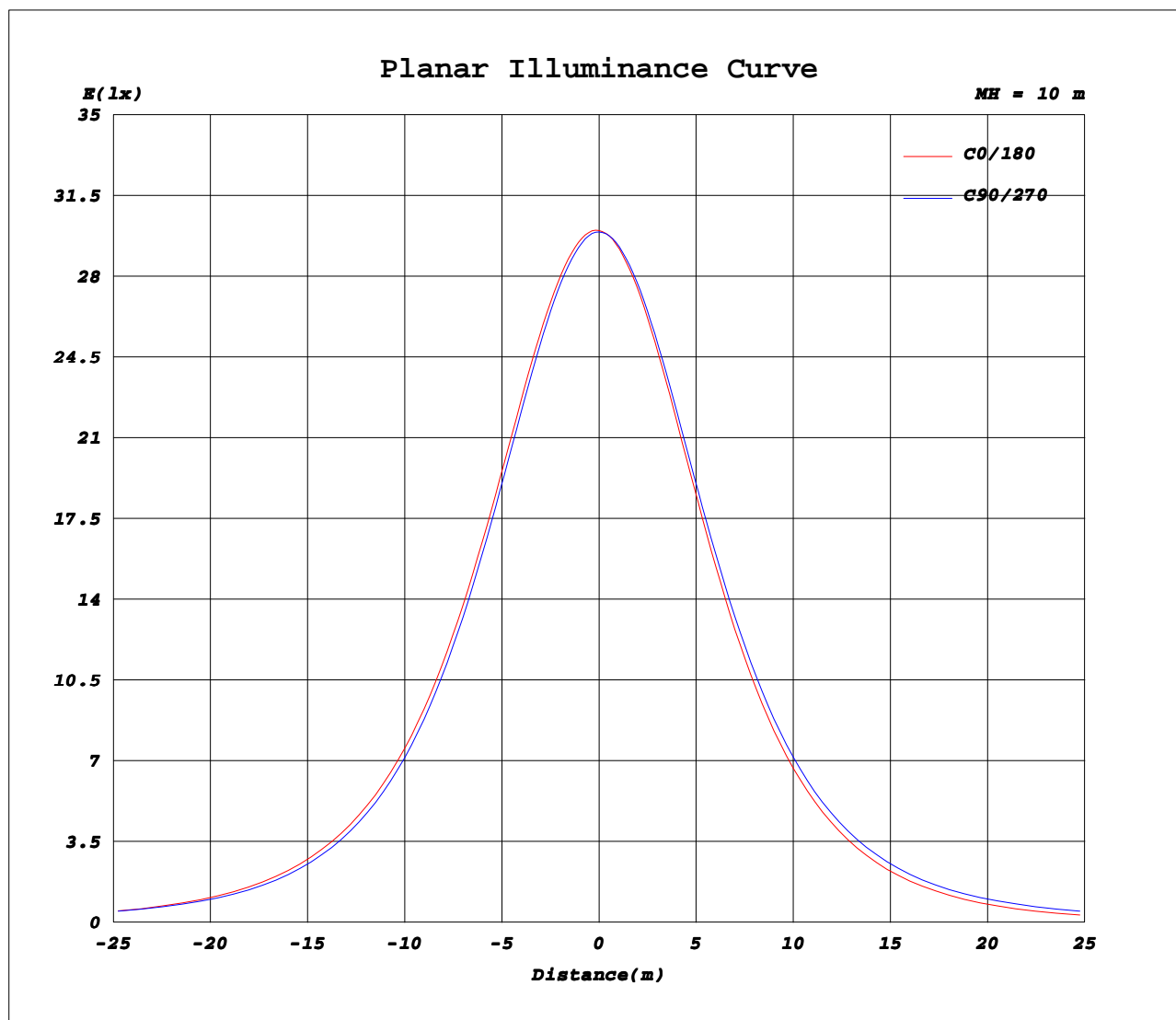
## ISOCANDELA DIAGRAM



**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

$\gamma$  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:

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 axis):  
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

UNIT: cd

[illegible]

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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:

```