

Light Output Ratio: 100.0%

Luminaire Power: 42.1 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: %

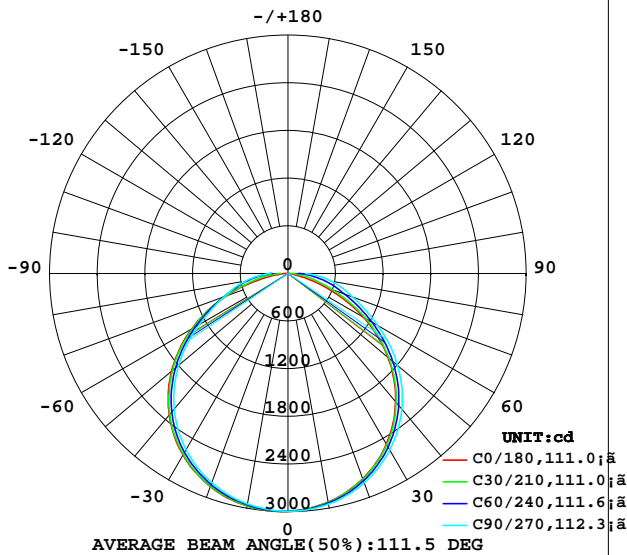
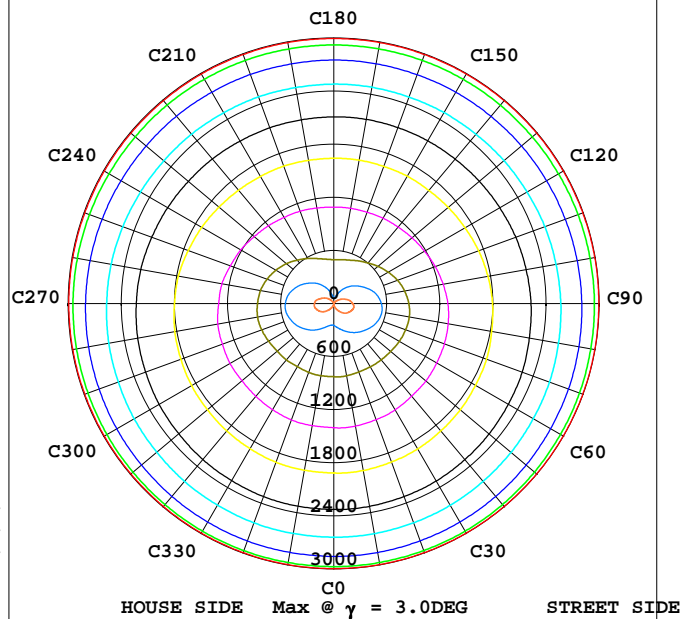
Test Distance: 17.220m [K=1.0000]

Remarks:

STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.5V I:0.191A P:41.9W PF:0.9730 Lamp Flux:4196.4x1 lm		
NAME:SVT-Str U-V-42-125	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: No name	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 100.05 lm/W			
MODEL		Imax(cd)	1645	η street_up(%)	0.0
NOMINAL POWER(W)	42	LOR(%)	100.0	η street_down(%)	50.1
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	4197	η house_up(%)	0.0
NOMINAL FLUX(lm)	4196.4	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

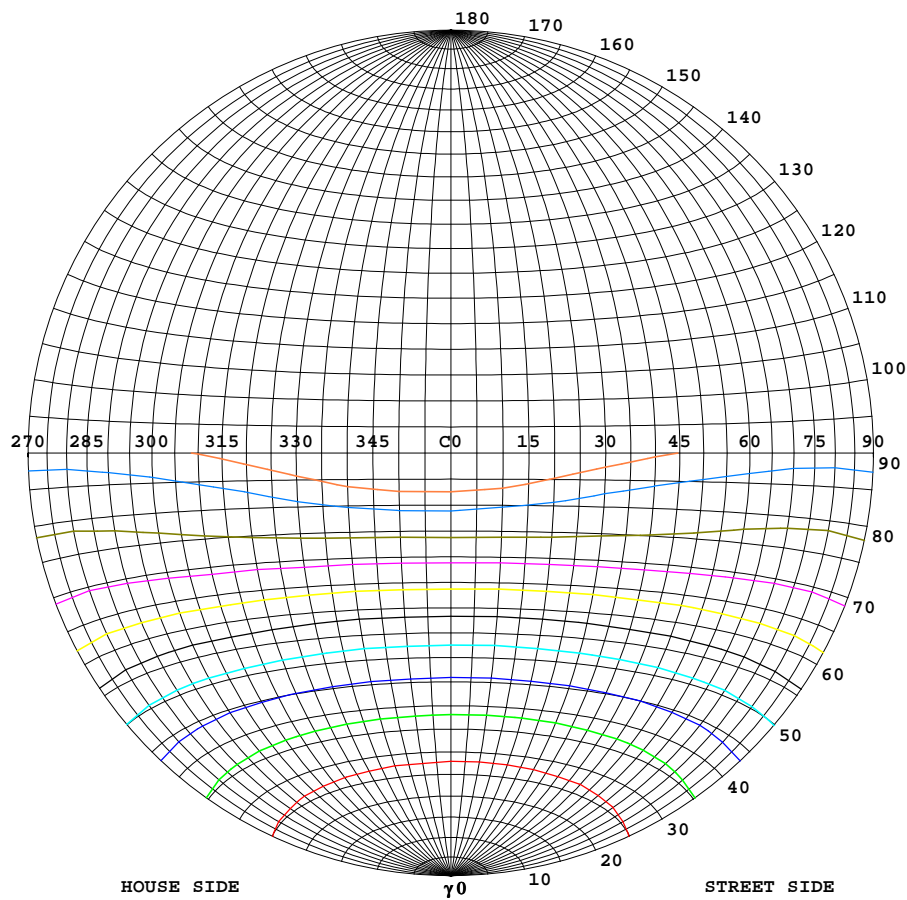
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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

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:

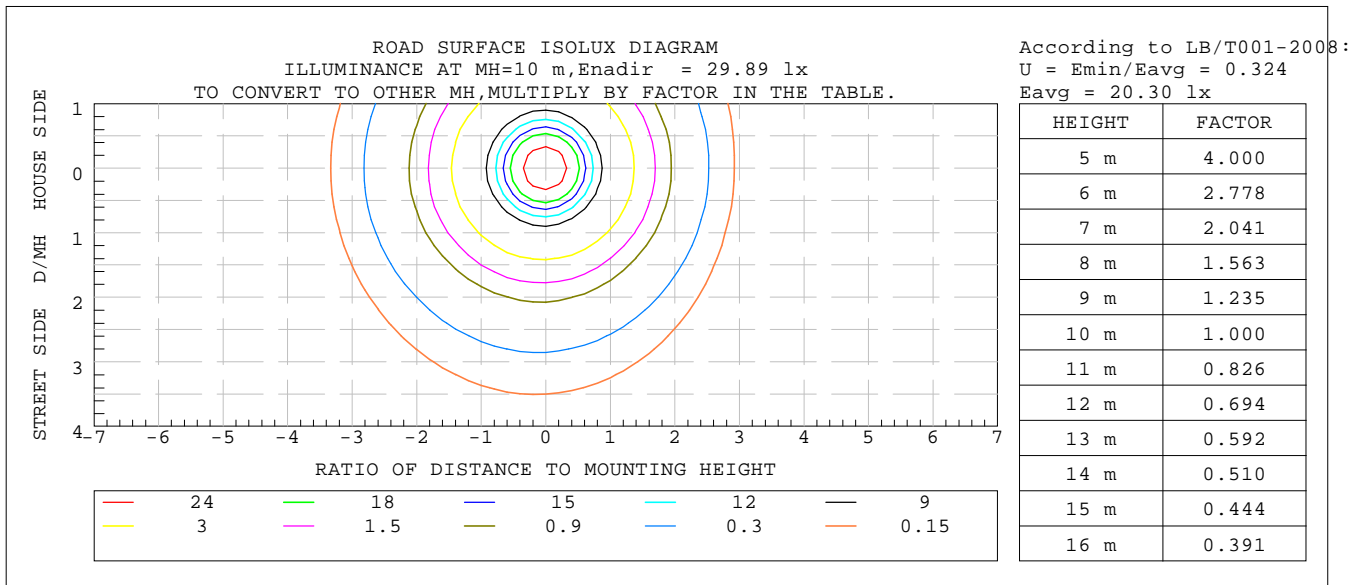
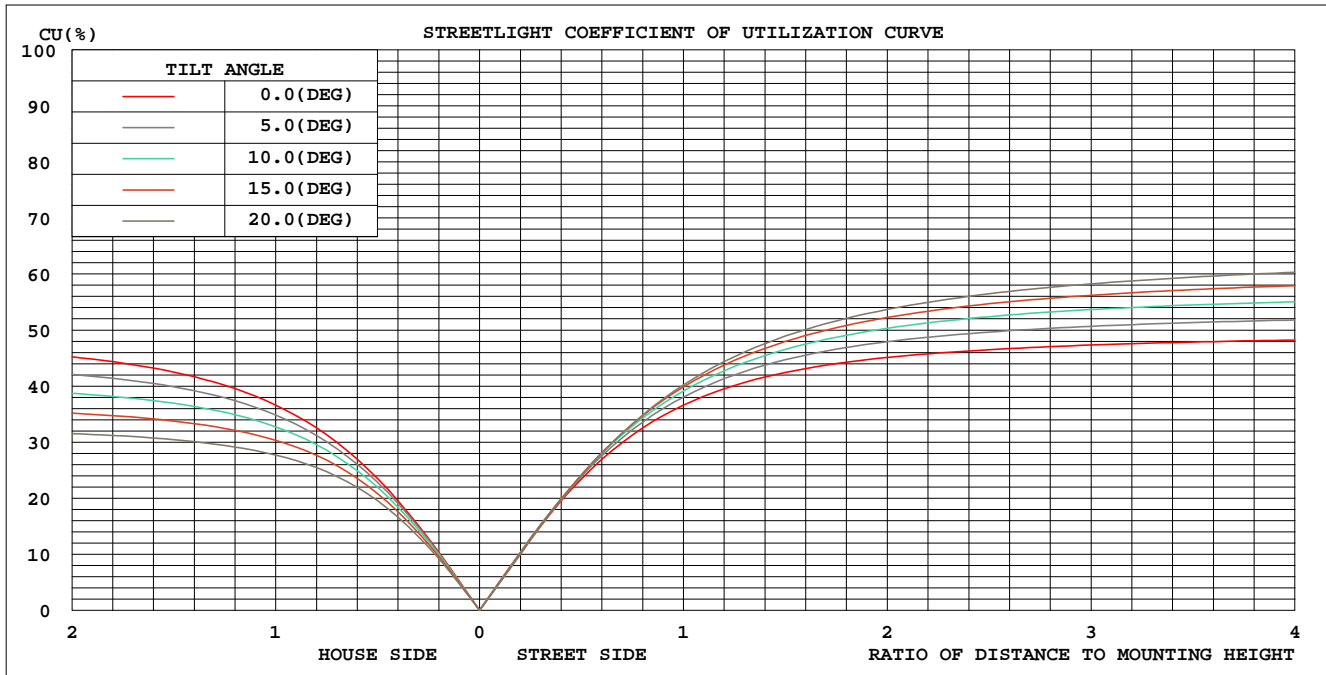
IES:Type II - Very Short
 CIE:Narrow - Short
 IES:Semi cut-off
 CIE:Semi-cut-off
 Max.At80:64.55cd/klm
 Max.At90:27.04cd/klm
 Max.80-90:64.55cd/klm
 NRB 5101:Limited[5.9%]

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

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Test Speed: HIGH
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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:

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

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:

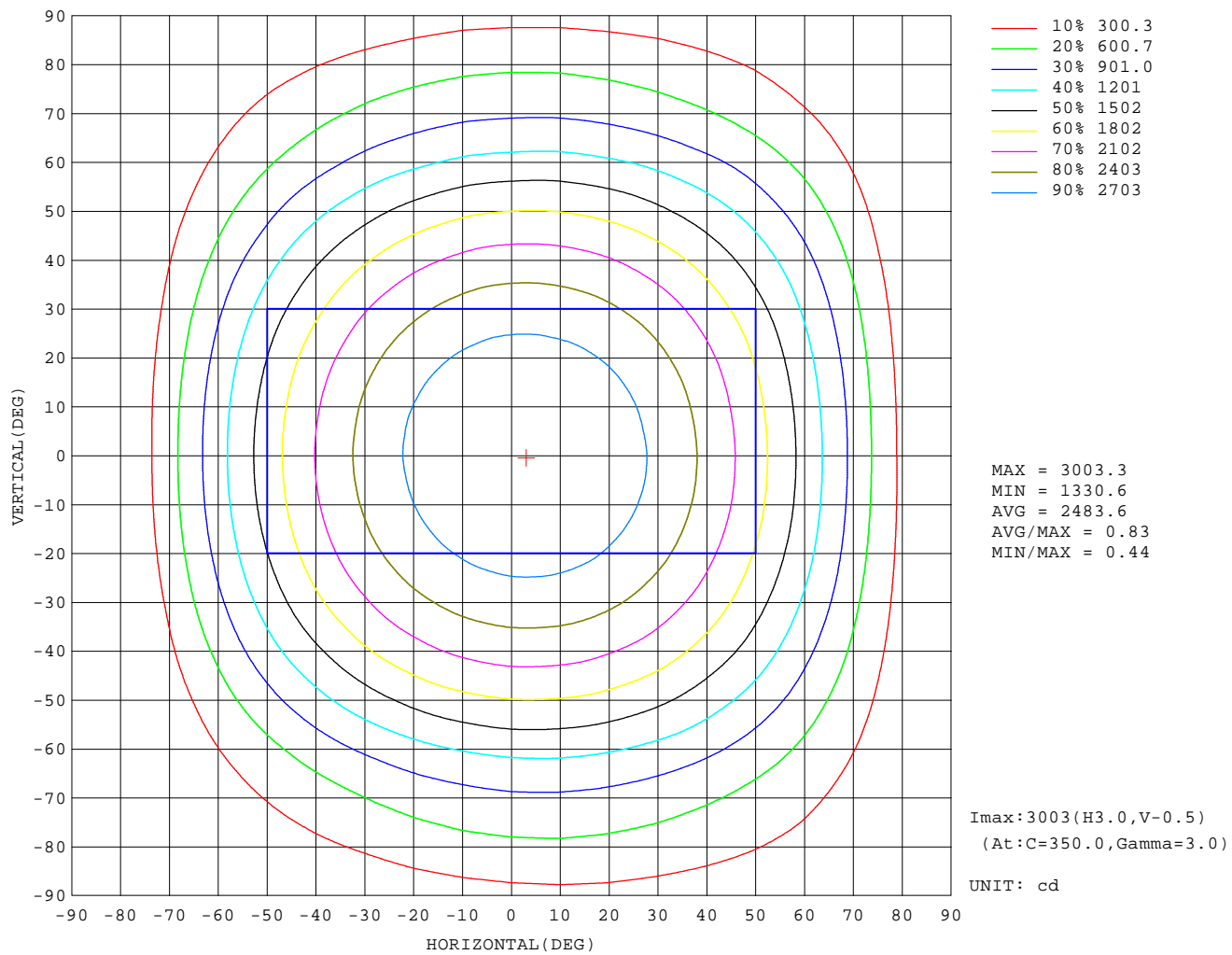
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2972	2964	2945	2929	2922	2930	2947	2965	0- 10	283.5	283.53	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		

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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:

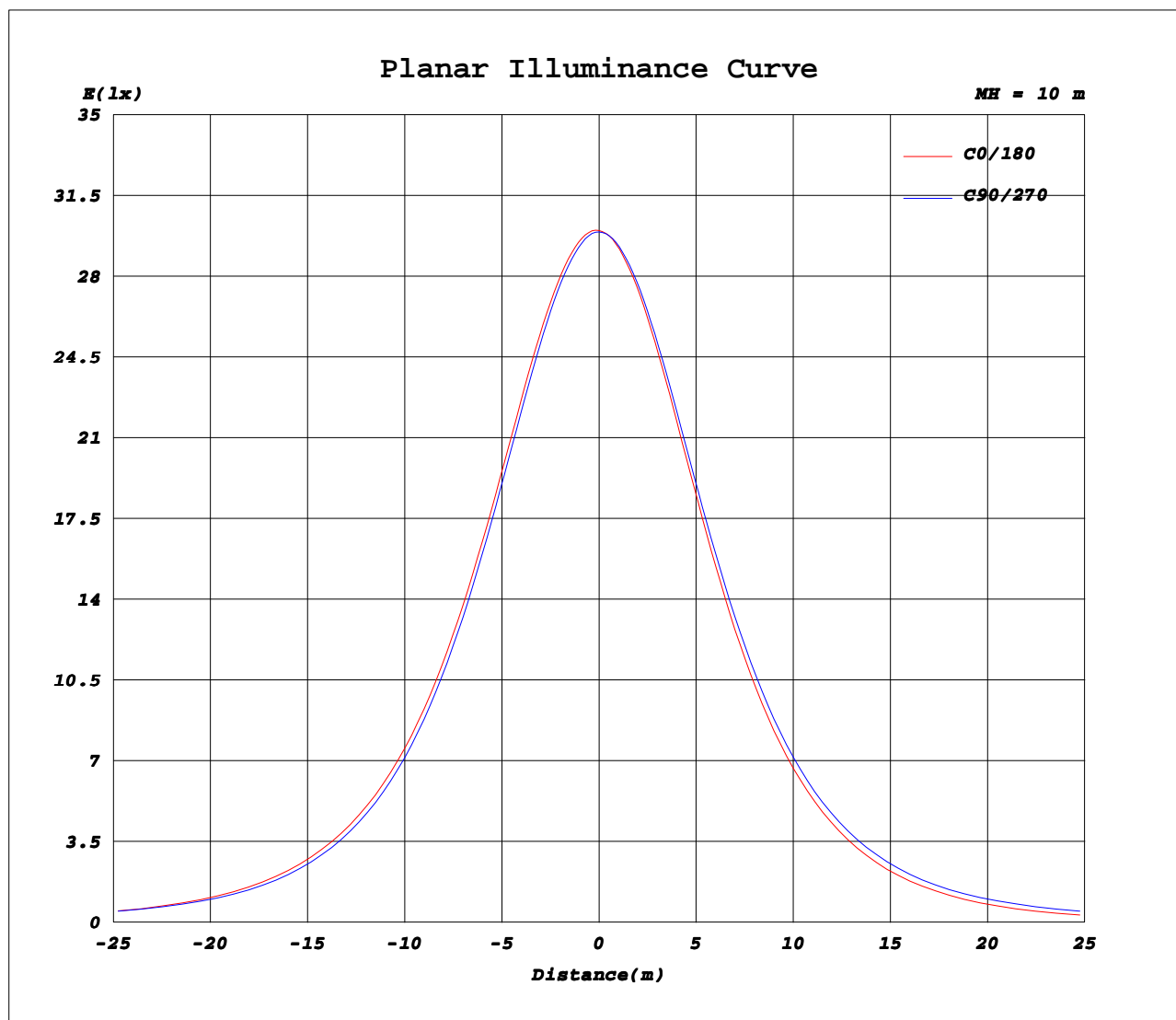
ISOCANDELA DIAGRAM



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



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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:

Test Distance: 17.220 metres
Test Tempertature: 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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γ Range: 0 - 90DEG
γ Interval: 1.0DEG
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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:

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