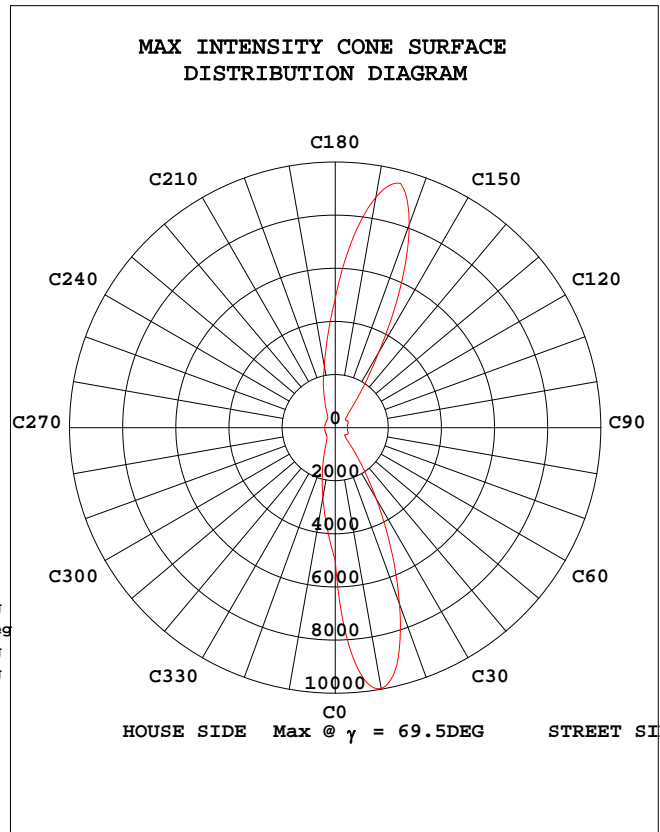
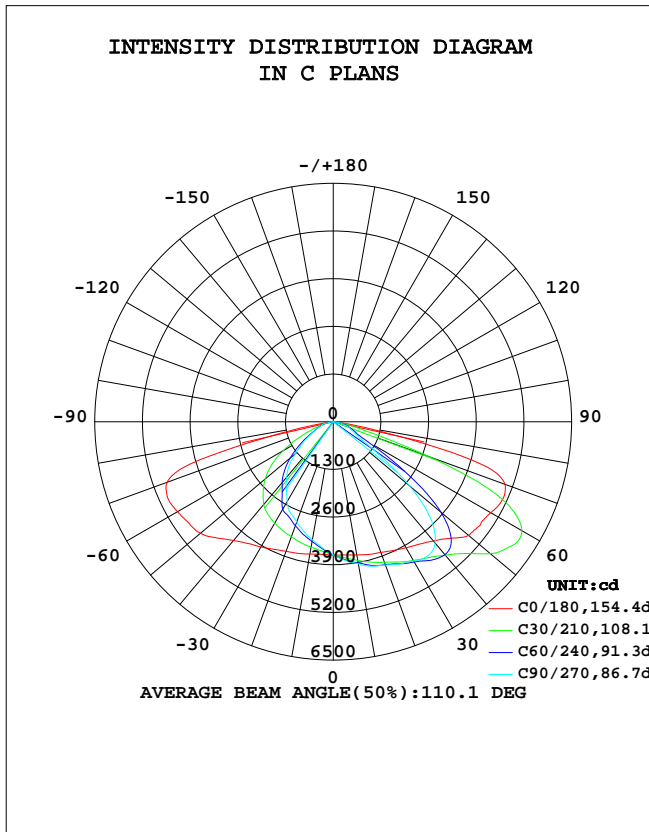


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: D-150MLED150-70	TYPE:Street Lighting	WEIGHT:12kg
SPEC.:14*5	DIM.: 825*360*150	SERIAL No.:60150

DATA OF LAMP		PHOTOMETRIC DATA Eff: 95.63 lm/W			
MODEL	150W	I _{max} (cd)	9519	η street_up(%)	0.0
NOMINAL POWER(W)	150	LOR(%)	94.4	η street_down(%)	59.9
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	14154	η house_up(%)	0.0
NOMINAL FLUX(lm)	15000	MAXIMUM @(C,γ)	165,69.5	η house_down(%)	34.5
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220.0	η down(%)	94.4	SLI	20.809



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2015-02-06

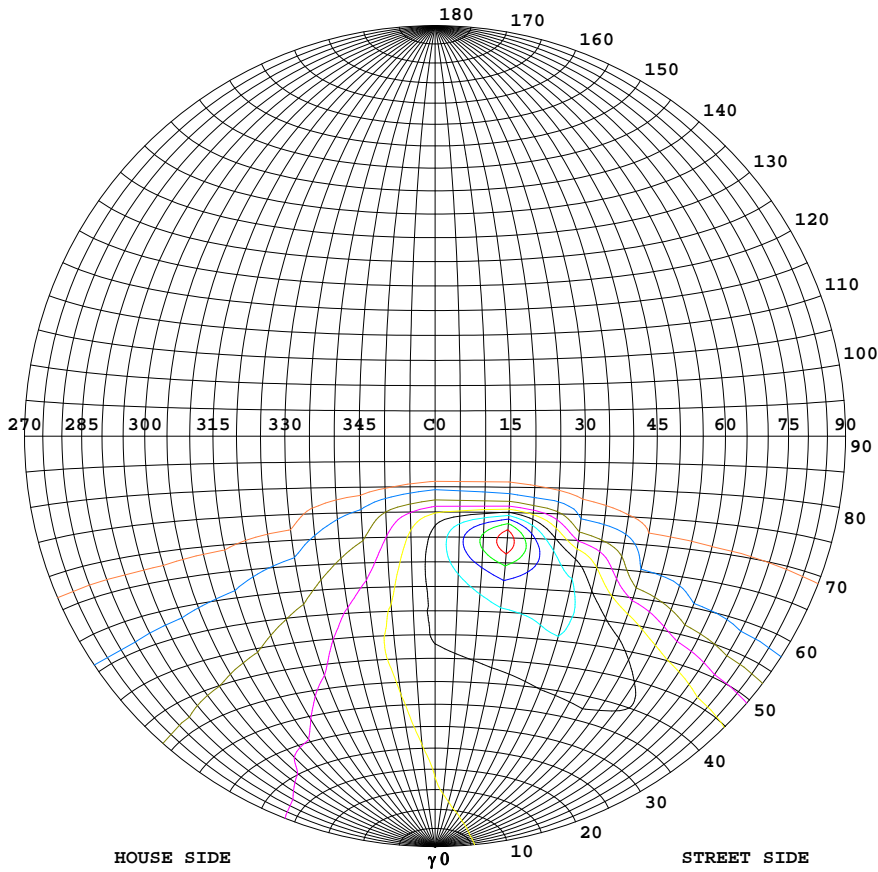
γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.288
Humidity:65.0%
Test Distance:6.100m [K=1.0000]
Remarks: XTE4DR5 150

Note: SLI:Specific Luminaire Index

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

STREETLIGHT ISOCANDELA DIAGRAM

NAME: D-150MLED150-70	TYPE:Street Lighting	WEIGHT:12kg
SPEC.:14*5	DIM.: 825*360*150	SERIAL No.:60150



Classification:

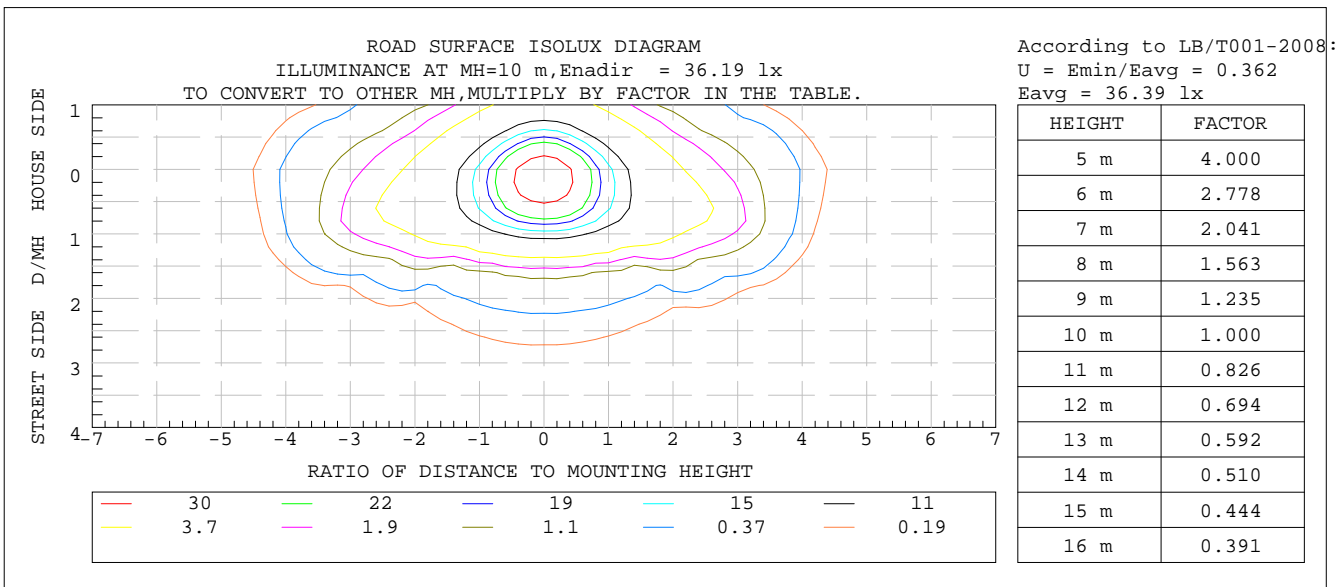
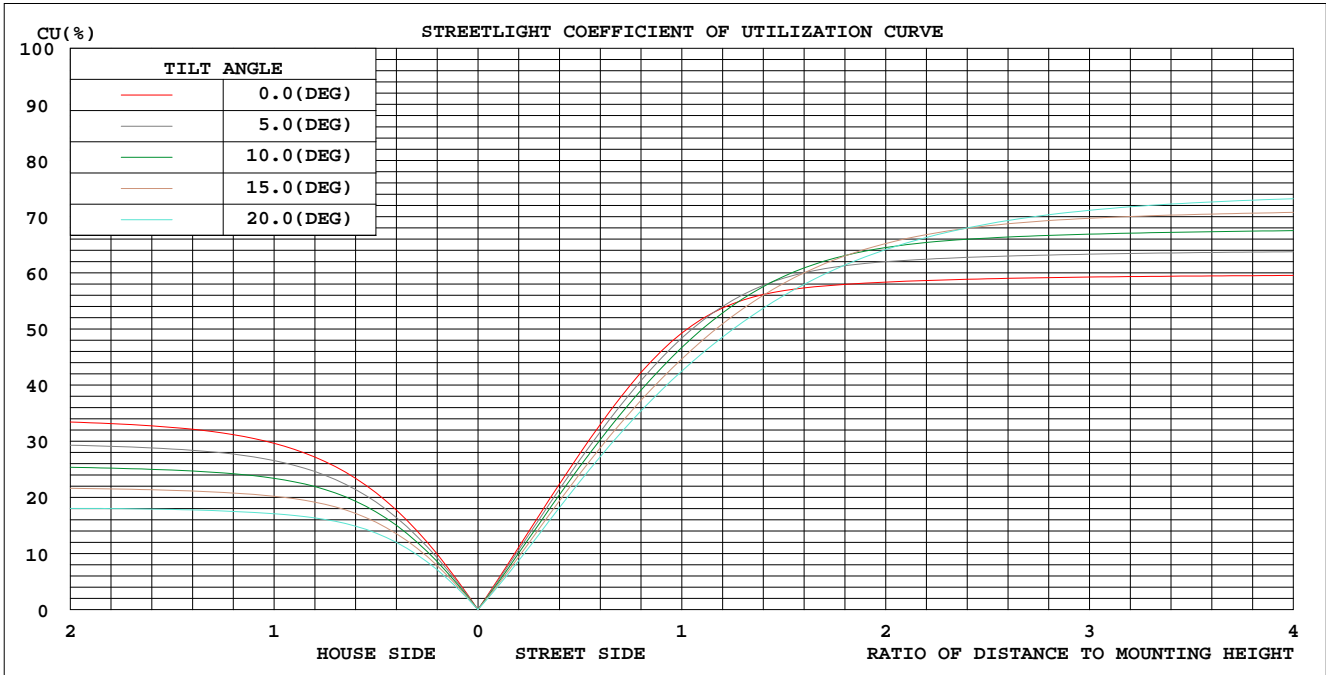
IES:Type II - Medium
 CIE:Narrow - Intermediate
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:49.22cd/klm
 Max.At90:2.054cd/klm
 Max.80-90:49.22cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	9519
90%	8567
80%	7615
70%	6663
60%	5711
50%	4759
40%	3807
30%	2856
20%	1904
10%	952
5%	476

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2015-02-06

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.288
 Humidity:65.0%
 Test Distance:6.100m [K=1.0000]
 Remarks: XTE4DR5 150

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2015-02-06

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.288
Humidity: 65.0%
Test Distance: 6.100m [K=1.0000]
Remarks: XTE4DR5 150

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

NAME: D-150MLED150-70	TYPE:Street Lighting	WEIGHT:12kg
SPEC.:14*5	DIM.: 825*360*150	SERIAL No.:60150

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	3647	3756	3794	3746	3630	3503	3450	3511	0- 5	86.79	86.79	0.61,0.58
10	3687	3883	3932	3869	3663	3384	3271	3395	5- 10	259.8	346.6	2.45,2.31
15	3746	4015	4079	4002	3715	3276	3092	3285	10- 15	432.6	779.2	5.5,5.19
20	3793	4156	4157	4159	3761	3165	2911	3180	15- 20	602.4	1382	9.76,9.21
25	3875	4271	4281	4290	3837	3018	2749	3038	20- 25	767.5	2149	15.2,14.3
30	3969	4465	4387	4484	3944	2860	2515	2888	25- 30	932.2	3081	21.8,20.5
35	4077	4637	4471	4678	4054	2680	2235	2710	30- 35	1087	4168	29.4,27.8
40	4243	4876	4320	4929	4227	2440	1984	2479	35- 40	1229	5397	38.1,36
45	4498	5090	3776	5185	4481	2157	1707	2188	40- 45	1350	6747	47.7,45
50	4819	4976	2699	5149	4727	1811	1351	1854	45- 50	1421	8167	57.7,54.4
55	4900	4263	1389	4486	4810	1402	1016	1451	50- 55	1378	9545	67.4,63.6
60	4962	2632	736.8	2738	4904	1019	722.6	1057	55- 60	1252	10797	76.3,72
65	5078	1027	561.3	1043	4968	645.2	537.2	688.1	60- 65	1134	11931	84.3,79.5
70	4981	568.1	455.3	629.5	4816	413.5	384.6	436.5	65- 70	1052	12983	91.7,86.6
75	3633	364.1	308.5	374.8	3124	287.6	319.0	296.2	70- 75	788.1	13771	97.3,91.8
80	738.3	183.2	160.4	168.1	546.5	155.6	133.6	169.1	75- 80	296.6	14068	99.4,93.8
85	95.68	57.63	16.32	43.40	68.46	21.52	15.48	29.25	80- 85	72.61	14140	99.9,94.3
90	30.81	10.98	9.253	7.526	24.31	11.30	8.566	12.49	85- 90	13.76	14154	100,94.4
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: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2015-02-06

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.288
 Humidity:65.0%
 Test Distance:6.100m [K=1.0000]
 Remarks: XTE4DR5 150

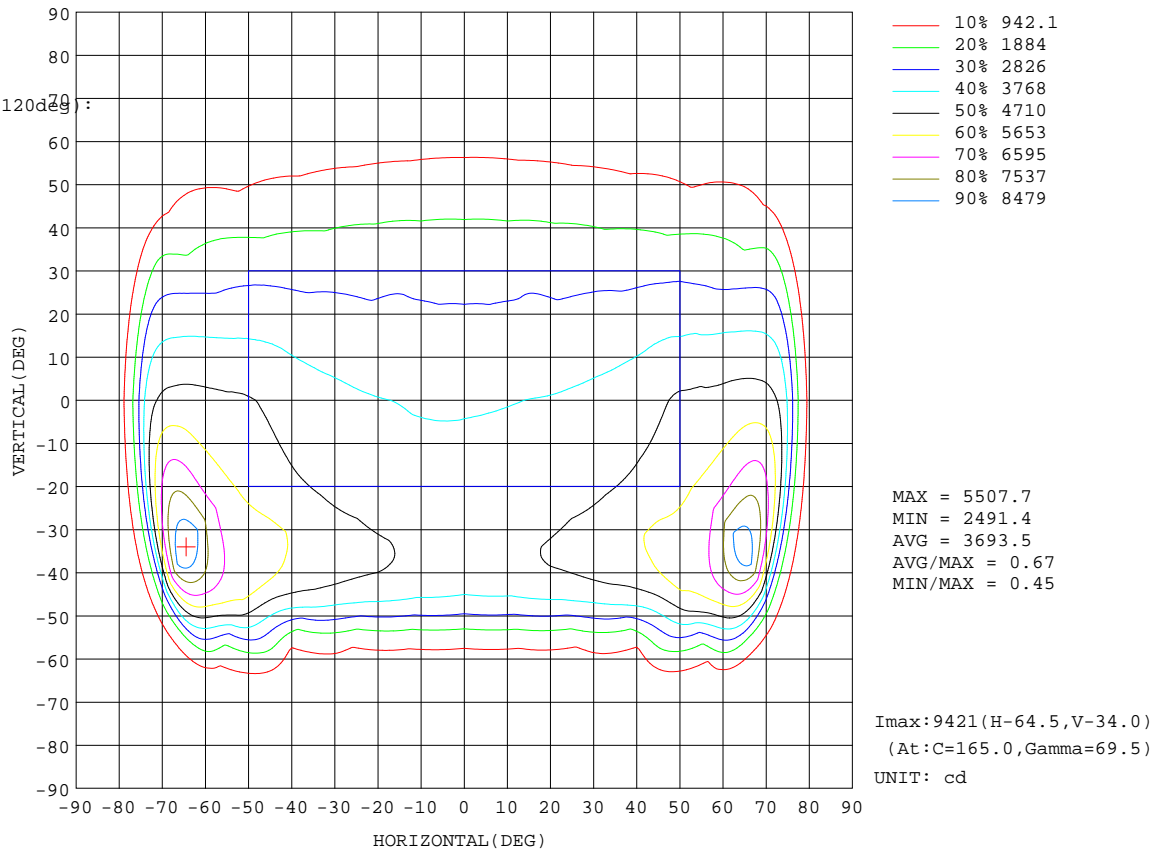
EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

NAME: D-150MLED150-70	TYPE: Street Lighting	WEIGHT: 12kg
SPEC.: 14*5	DIM.: 825*360*150	SERIAL No.: 60150

Conical surface Flux(90deg):
 6746.7 lm
 %lum = 47.7%
 %lamp = 45.0%

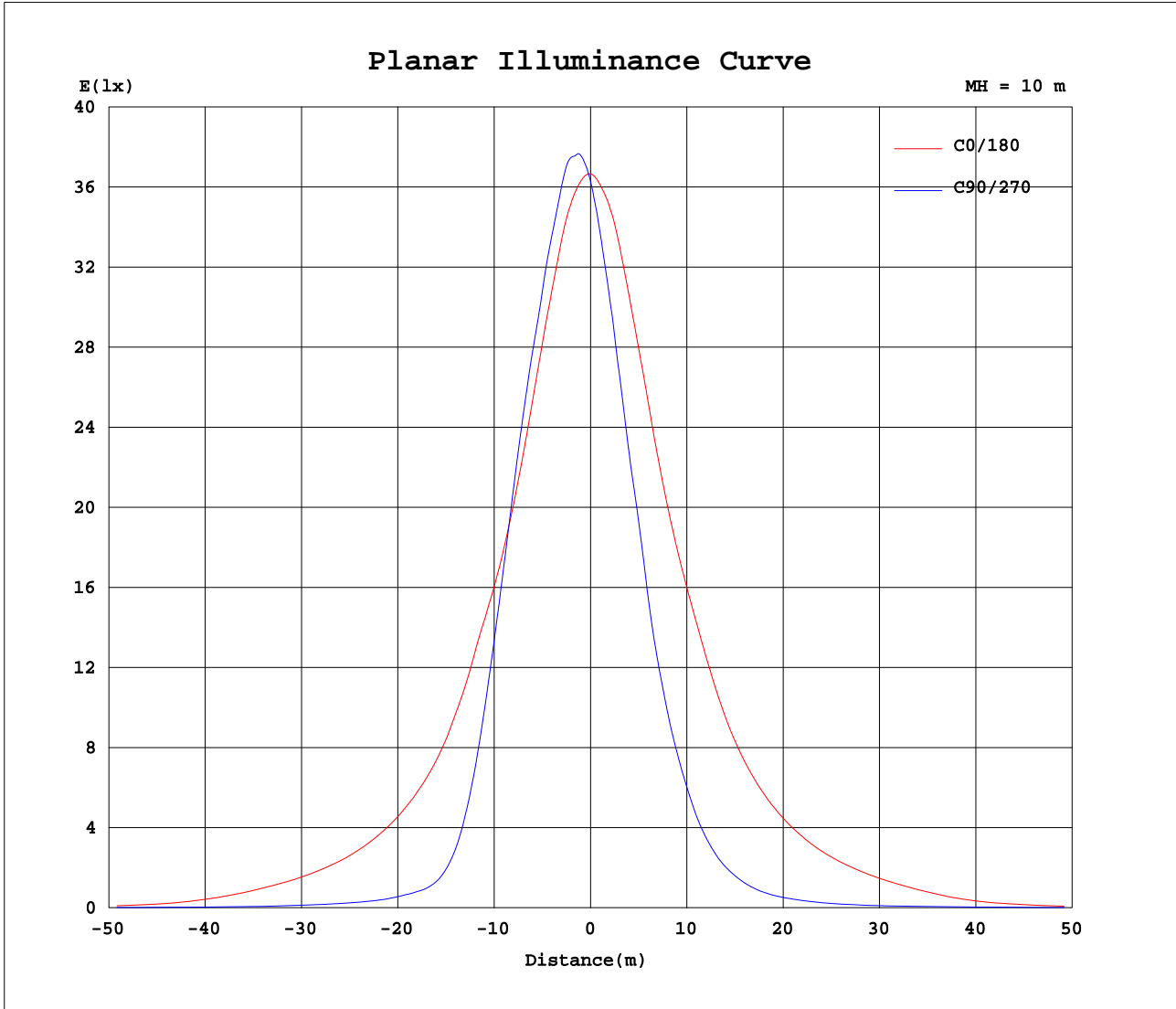
Conical surface Flux(120deg):
 10797 lm
 %lum = 76.3%
 %lamp = 72.0%



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2015-02-06

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.288
 Humidity: 65.0%
 Test Distance: 6.100m [K=1.0000]
 Remarks: XTE4DR5 150

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2015-02-06

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.288
Humidity: 65.0%
Test Distance: 6.100m [K=1.0000]
Remarks: XTE4DR5 150

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: D-150MLED150-70	TYPE:Street Lighting	WEIGHT:12kg
SPEC.:14*5	DIM.: 825*360*150	SERIAL No.:60150

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	3632	3632	3632	3632	3632	3632	3632	3632	3632	3632	3632	3632	3632	3632	3632	3632	3632	3632	3632
5	3647	3688	3725	3756	3778	3791	3794	3788	3771	3746	3713	3674	3630	3585	3540	3503	3474	3455	3450
10	3687	3770	3837	3883	3905	3924	3932	3922	3898	3869	3818	3748	3663	3572	3475	3384	3319	3281	3271
15	3746	3876	3963	4015	4057	4075	4079	4074	4050	4002	3947	3847	3715	3567	3412	3276	3181	3109	3092
20	3793	3965	4078	4156	4149	4153	4157	4155	4159	4159	4063	3938	3761	3553	3339	3165	3019	2931	2911
25	3875	4071	4221	4271	4273	4275	4281	4291	4298	4290	4204	4049	3837	3569	3270	3018	2859	2769	2749
30	3969	4176	4366	4465	4415	4378	4387	4413	4461	4484	4369	4186	3944	3590	3194	2860	2757	2571	2515
35	4077	4322	4522	4637	4613	4493	4471	4538	4667	4678	4540	4327	4054	3602	3095	2680	2429	2262	2235
40	4243	4532	4749	4876	4732	4417	4320	4485	4814	4929	4797	4547	4227	3611	2949	2440	2169	2025	1984
45	4498	4880	5083	5090	4548	3972	3776	4051	4667	5185	5205	4981	4481	3620	2706	2157	1877	1752	1707
50	4819	5429	5597	4976	3827	2981	2699	3048	3962	5149	5718	5386	4727	3503	2422	1811	1529	1408	1351
55	4900	5573	5913	4263	2443	1644	1389	1656	2511	4486	6190	5648	4810	3247	2050	1402	1146	1035	1016
60	4962	6305	5935	2632	1081	781	737	799	1089	2738	6304	6436	4904	2872	1575	1019	800	722	723
65	5078	7809	5166	1027	661	593	561	601	687	1043	5544	8144	4968	2363	1046	645	546	534	537
70	4981	9062	2760	568	500	473	455	473	513	629	2914	9439	4816	1677	570	414	392	394	385
75	3633	4829	778	364	343	326	308	319	330	375	911	4034	3124	875	301	288	290	354	319
80	738	630	314	183	195	182	160	176	179	168	339	510	547	213	144	156	143	178	134
85	95.7	119	71.9	57.6	56.6	65.0	16.3	57.3	45.2	43.4	67.1	95.9	68.5	49.0	28.8	21.5	17.8	20.1	15.5
90	30.8	25.6	14.3	11.0	11.1	10.6	9.25	8.45	7.54	7.53	12.5	20.3	24.3	22.2	17.4	11.3	7.80	8.52	8.57

C Range: 0 - 360DEG	γ Range: 0 - 90DEG
C Interval: 15.0DEG	γ Interval: 0.5DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.288
Temperature:25.3DEG	Humidity:65.0%
Operators:	Test Distance:6.100m [K=1.0000]
Test Date:2015-02-06	Remarks: XTE4DR5 150

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: D-150MLED150-70	TYPE:Street Lighting	WEIGHT:12kg
SPEC.:14*5	DIM.: 825*360*150	SERIAL No.:60150

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	3632	3632	3632	3632	3632														
5	3458	3479	3511	3552	3599														
10	3286	3327	3395	3487	3590														
15	3117	3188	3285	3428	3593														
20	2940	3030	3180	3359	3576														
25	2777	2871	3038	3297	3598														
30	2583	2783	2888	3228	3621														
35	2270	2451	2710	3128	3635														
40	2034	2185	2479	2997	3649														
45	1751	1902	2188	2766	3675														
50	1407	1555	1854	2497	3600														
55	1048	1171	1451	2119	3396														
60	735	826	1057	1660	3003														
65	539	564	688	1134	2494														
70	393	402	436	649	1833														
75	336	299	296	326	1054														
80	188	155	169	165	274														
85	25.8	22.3	29.3	40.0	64.4														
90	7.46	7.39	12.5	18.3	22.6														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2015-02-06

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.288
Humidity:65.0%
Test Distance:6.100m [K=1.0000]
Remarks: XTE4DR5 150