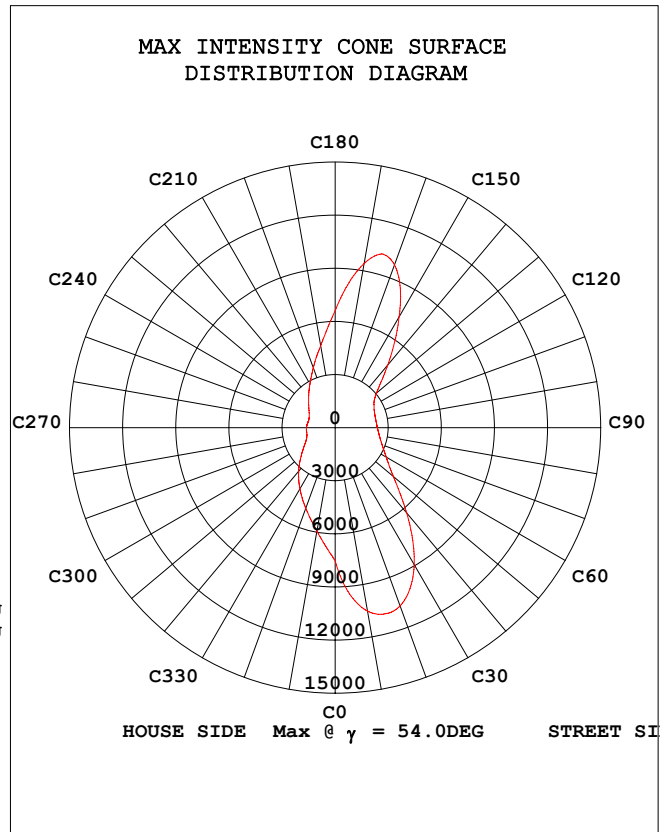
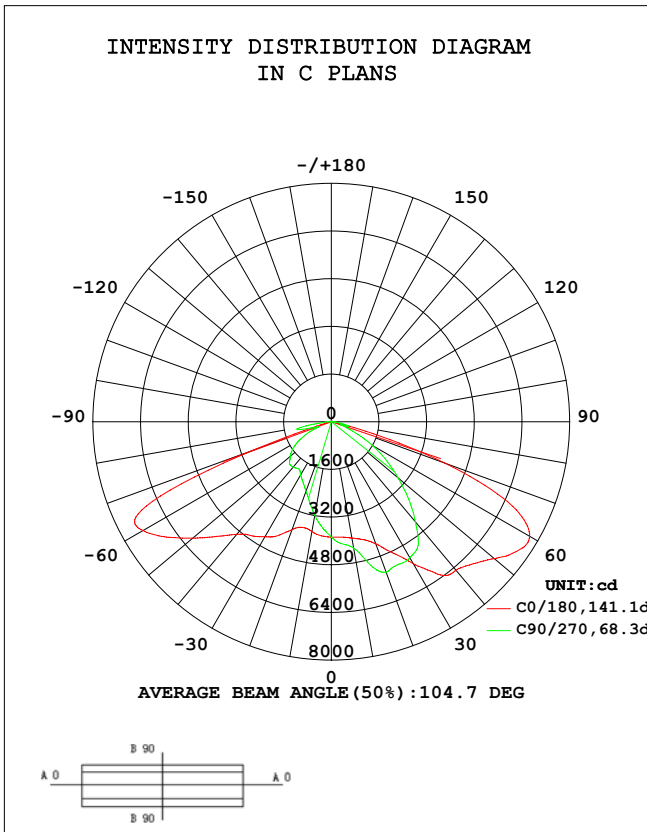


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.5V I:0.6920A P:148.1W PF:0.9700 Lamp Flux:16384.7x1 lm		
NAME: 路灯	TYPE:室外	WEIGHT:5
SPEC.:LD4A-6-150W	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 110.63 lm/W			
MODEL	OSRAM	I _{max} (cd)	10884	η street_up (%)	0.3
NOMINAL POWER (W)	150	LOR (%)	100.0	η street_down (%)	62.6
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	16385	η house_up (%)	0.3
NOMINAL FLUX (lm)	16384.7	MAXIMUM @ (C, γ)	15,54.0	η house_down (%)	36.8
LAMPS INSIDE	1	η up (%)	0.6	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220.0	η down (%)	99.4	SLI	18.041



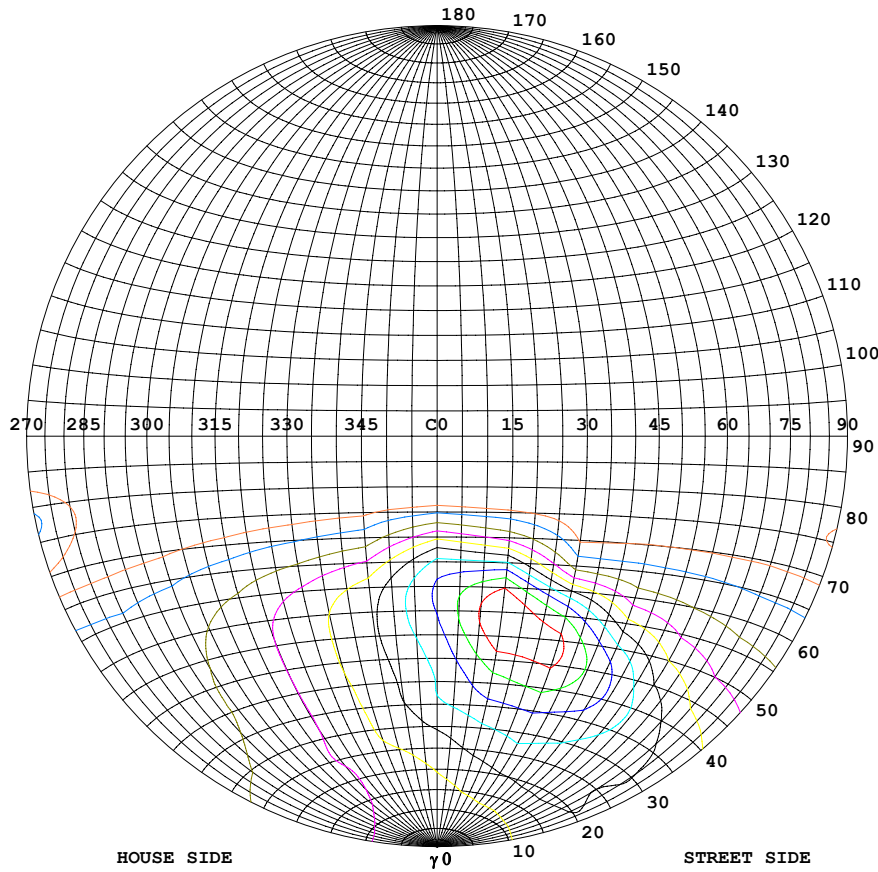
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2015-10-23

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.287
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks: 144合1

Note: SLI: Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.5V I:0.6920A P:148.1W PF:0.9700 Lamp Flux:16384.7x1 lm		
NAME: 路灯	TYPE:室外	WEIGHT:5
SPEC.:LD4A-6-150W	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



Classification:

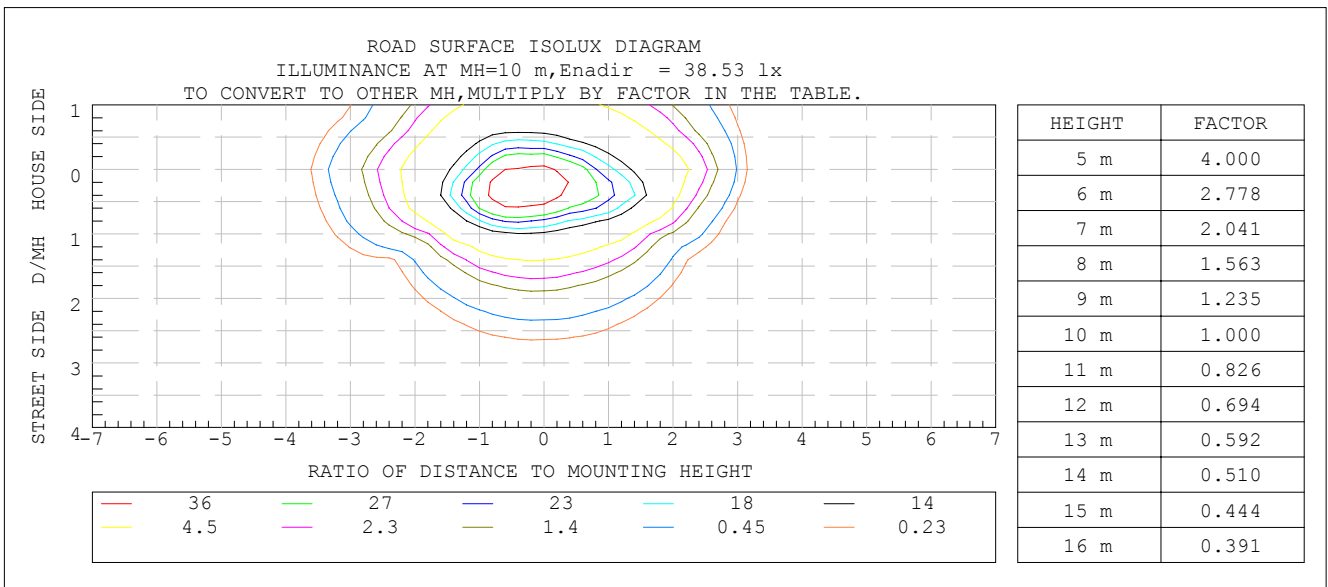
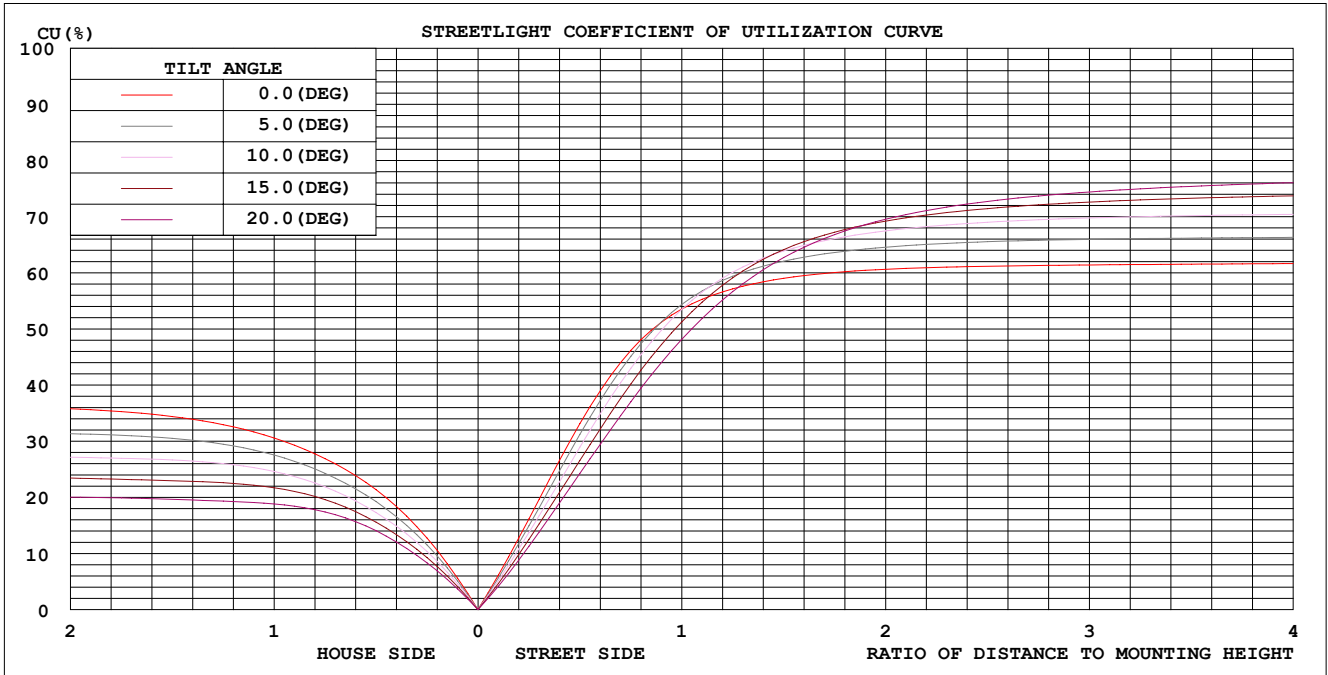
IES:Type I - Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:58.40cd/klm
 Max.At90:4.902cd/klm
 Max.80-90:58.40cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	10884
90%	9796
80%	8707
70%	7619
60%	6530
50%	5442
40%	4354
30%	3265
20%	2177
10%	1088
5%	544

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2015-10-23

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks: 144合1

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2015-10-23

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.287
Humidity: 65.0%
Test Distance: 8.000m [K=1.0000]
Remarks: 144合1

ZONAL FLUX DIAGRAM

Test:U:220.5V I:0.6920A P:148.1W PF:0.9700 Lamp Flux:16384.7x1 lm		
NAME: 路灯	TYPE:室外	WEIGHT:5
SPEC.:LD4A-6-150W	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	388.8	407.3	411.2	405.7	384.3	363.4	355.4	365.6	0- 5	92.36	92.36	0.56,0.56
10	396.3	423.0	430.7	413.5	374.4	335.1	318.9	345.3	5- 10	273.5	365.8	2.23,2.23
15	409.4	461.8	493.8	437.1	367.6	300.0	280.7	325.7	10- 15	451.7	817.5	4.99,4.99
20	435.5	560.8	537.3	475.8	385.3	271.5	248.4	311.0	15- 20	651.4	1469	8.97,8.97
25	484.7	614.6	528.9	485.0	421.0	251.8	224.6	317.1	20- 25	861.2	2330	14.2,14.2
30	549.9	653.3	527.1	506.2	445.4	235.9	205.9	305.5	25- 30	1070	3401	20.8,20.8
35	624.8	725.0	507.6	544.5	466.8	226.1	192.5	297.6	30- 35	1287	4688	28.6,28.6
40	650.8	791.1	439.6	573.1	493.0	220.4	198.9	295.8	35- 40	1512	6200	37.8,37.8
45	674.1	792.7	367.6	563.1	544.3	218.0	198.7	293.9	40- 45	1711	7910	48.3,48.3
50	714.3	677.7	292.0	468.0	608.0	217.8	179.2	294.6	45- 50	1863	9773	59.6,59.6
55	758.5	472.2	225.9	341.7	674.9	210.2	157.4	280.1	50- 55	1915	11688	71.3,71.3
60	768.2	274.8	160.4	229.8	730.0	178.0	123.5	231.5	55- 60	1790	13478	82.3,82.3
65	672.1	138.2	92.32	131.8	702.1	119.0	80.30	150.2	60- 65	1400	14879	90.8,90.8
70	405.1	55.27	47.20	49.68	276.2	55.66	50.40	68.99	65- 70	805.5	15684	95.7,95.7
75	100.4	25.18	58.81	25.23	21.21	27.87	96.57	33.10	70- 75	314.5	15999	97.6,97.6
80	15.71	20.46	35.46	18.84	9.178	15.56	95.69	22.57	75- 80	152.9	16152	98.6,98.6
85	8.505	19.60	14.93	13.21	4.754	8.042	26.27	11.53	80- 85	89.51	16241	99.1,99.1
90	4.390	8.031	0.2237	3.488	2.563	2.070	1.477	5.334	85- 90	39.75	16281	99.4,99.4
95	2.467	1.741	0.2831	0.4285	0.6860	0.2312	0.1868	0.5191	90- 95	10.68	16292	99.4,99.4
100	1.240	0.4918	0.3788	0.6150	1.022	0.4338	0.2862	0.3404	95-100	3.445	16295	99.5,99.5
105	1.616	0.6539	0.4965	0.8281	1.459	0.7865	0.4239	0.5804	100-105	3.924	16299	99.5,99.5
110	1.977	0.8173	0.6166	1.043	1.886	1.240	0.6023	0.9151	105-110	5.271	16304	99.5,99.5
115	2.197	0.9656	0.7399	1.241	2.232	1.704	0.8273	1.262	110-115	6.482	16311	99.5,99.5
120	2.366	1.097	0.8580	1.418	2.490	2.079	1.101	1.553	115-120	7.378	16318	99.6,99.6
125	2.454	1.223	0.9854	1.572	2.661	2.358	1.409	1.798	120-125	7.951	16326	99.6,99.6
130	2.480	1.343	1.106	1.690	2.755	2.571	1.726	2.038	125-130	8.237	16334	99.7,99.7
135	2.484	1.442	1.221	1.746	2.812	2.674	2.016	2.268	130-135	8.218	16342	99.7,99.7
140	2.444	1.528	1.331	1.788	2.890	2.681	2.260	2.466	135-140	7.876	16350	99.8,99.8
145	2.349	1.614	1.445	1.845	2.928	2.681	2.463	2.629	140-145	7.334	16358	99.8,99.8
150	2.250	1.712	1.580	1.923	2.905	2.781	2.591	2.723	145-150	6.684	16364	99.9,99.9
155	2.196	1.824	1.736	2.024	2.834	2.939	2.668	2.763	150-155	5.923	16370	99.9,99.9
160	2.186	1.944	1.905	2.098	2.773	3.000	2.751	2.761	155-160	5.043	16375	99.9,99.9
165	2.217	2.072	2.075	2.171	2.725	2.967	2.825	2.748	160-165	4.052	16379	100,100
170	2.277	2.226	2.279	2.299	2.669	2.886	2.864	2.730	165-170	2.971	16382	100,100
175	2.363	2.385	2.458	2.403	2.607	2.741	2.794	2.650	170-175	1.818	16384	100,100
180	2.477	2.533	2.597	2.498	2.515	2.575	2.634	2.537	175-180	0.6098	16385	100,100
DEG	LUMINOUS INTENSITY:×10cd								UNIT:lm			

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2015-10-23

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks: 144合1

ISOCANDELA DIAGRAM

Test:U:220.5V I:0.6920A P:148.1W PF:0.9700 Lamp Flux:16384.7x1 lm		
NAME: 路灯	TYPE:室外	WEIGHT:5
SPEC.:LD4A-6-150W	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

7910.4 lm

%lum = 48.3%

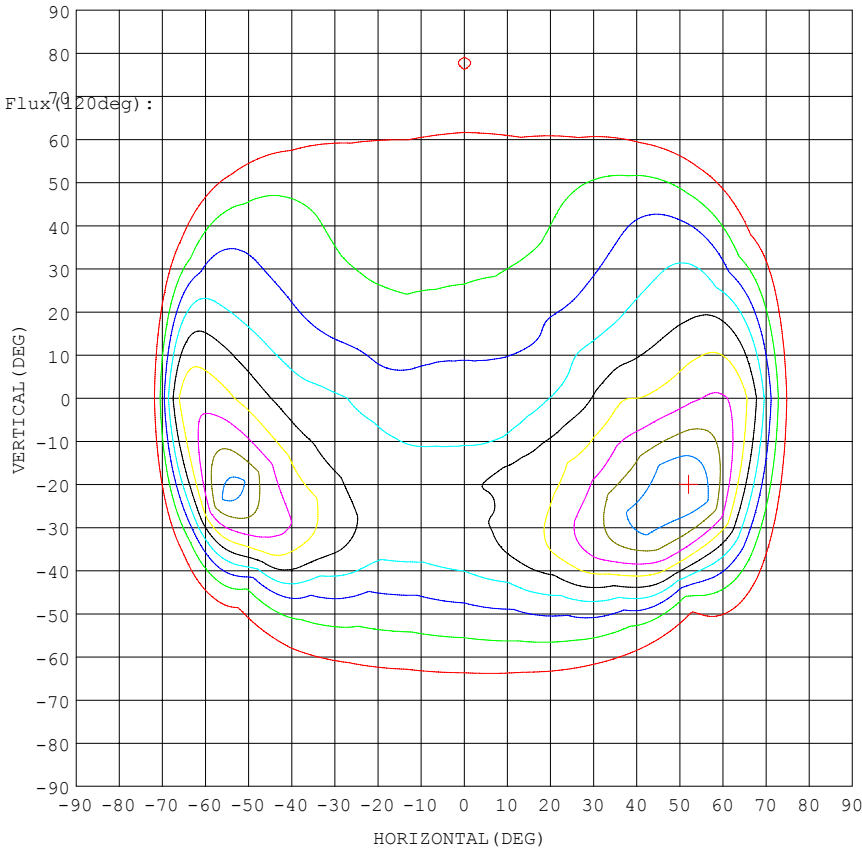
%lamp = 48.3%

Conical surface Flux(70deg):

13478 lm

%lum = 82.3%

%lamp = 82.3%



- 10% 1097
- 20% 2193
- 30% 3290
- 40% 4387
- 50% 5484
- 60% 6580
- 70% 7677
- 80% 8774
- 90% 9871

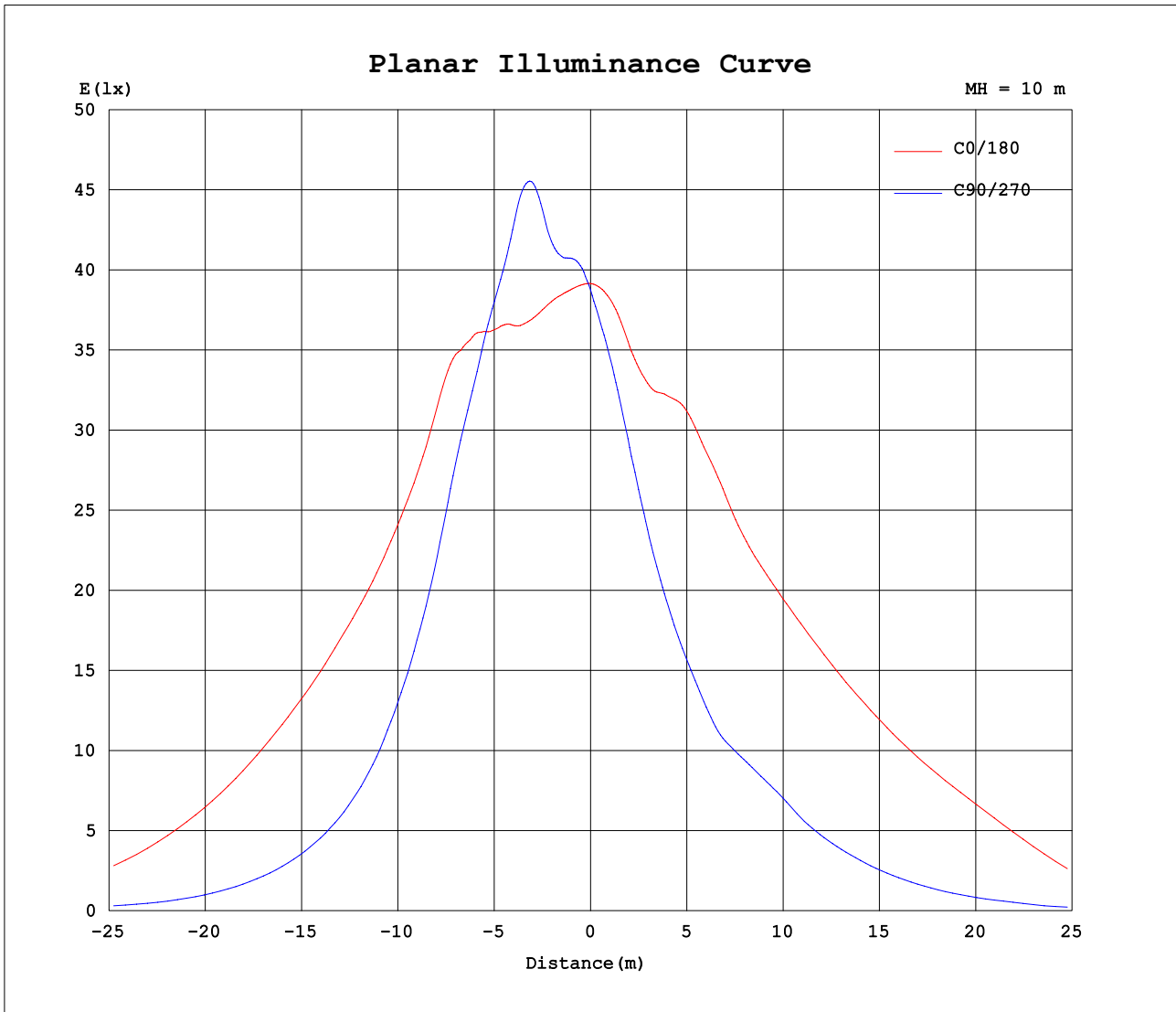
Imax:10967 (H52.0,V-20.0)
(At:C=15.0,Gamma=54.0)

UNIT: cd

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2015-10-23

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.287
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks: 144合1

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2015-10-23

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks: 144合1

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.5V I:0.6920A P:148.1W PF:0.9700 Lamp Flux:16384.7x1 lm		
NAME: 路灯	TYPE:室外	WEIGHT:5
SPEC.:LD4A-6-150W	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: x10cd

C (DEG) \ γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	387	387	387	387	387	387	387	387	387	387	387	387	387	387	387	387	387	387	387
5	389	397	403	407	409	411	411	411	409	406	400	393	384	377	369	363	359	356	355
10	396	412	420	423	425	429	431	429	421	413	404	392	374	360	347	335	326	320	319
15	409	433	445	462	483	492	494	486	467	437	409	390	368	342	319	300	289	281	281
20	435	484	530	561	563	549	537	527	501	476	459	430	385	340	302	271	255	249	248
25	485	561	613	615	575	544	529	518	487	485	478	466	421	357	297	252	229	224	225
30	550	632	678	653	599	554	527	515	488	506	511	489	445	367	289	236	208	203	206
35	625	723	765	725	632	550	508	491	486	545	576	539	467	367	282	226	193	186	192
40	651	820	886	791	630	497	440	425	460	573	656	614	493	375	282	220	184	181	199
45	674	926	983	793	548	417	368	354	388	563	742	733	544	390	287	218	183	180	199
50	714	1040	995	678	432	328	292	284	313	468	780	892	608	407	288	218	181	170	179
55	758	1086	853	472	313	251	226	222	242	342	686	1037	675	414	285	210	166	151	157
60	768	966	544	275	215	176	160	159	179	230	367	966	730	404	265	178	134	116	123
65	672	655	176	138	119	100	92.3	93.0	105	132	143	516	702	329	188	119	84.7	70.8	80.3
70	405	290	49.6	55.3	52.5	50.3	47.2	48.0	48.6	49.7	41.7	118	276	130	84.4	55.7	42.7	30.8	50.4
75	100	66.3	21.9	25.2	32.7	27.7	58.8	25.1	30.4	25.2	19.5	18.9	21.2	32.7	33.9	27.9	26.3	23.1	96.6
80	15.7	15.4	14.0	20.5	24.9	19.5	35.5	17.7	22.4	18.8	11.8	12.9	9.18	17.3	13.5	15.6	17.6	19.4	95.7
85	8.51	10.7	9.88	19.6	16.3	11.1	14.9	10.4	11.6	13.2	7.75	8.10	4.75	7.72	7.73	8.04	8.53	12.1	26.3
90	4.39	6.98	6.82	8.03	5.31	3.93	0.22	2.82	2.83	3.49	3.03	3.86	2.56	2.95	2.78	2.07	1.70	1.19	1.48
95	2.47	2.29	1.87	1.74	0.85	0.91	0.28	0.70	0.50	0.43	0.60	0.96	0.69	0.66	0.39	0.23	0.20	0.20	0.19
100	1.24	0.98	0.66	0.49	0.41	0.39	0.38	0.41	0.48	0.61	0.87	1.24	1.02	0.99	0.73	0.43	0.32	0.30	0.29
105	1.62	1.30	0.89	0.65	0.54	0.51	0.50	0.54	0.64	0.83	1.17	1.66	1.46	1.48	1.22	0.79	0.53	0.46	0.42
110	1.98	1.61	1.11	0.82	0.67	0.63	0.62	0.68	0.81	1.04	1.47	2.05	1.89	1.96	1.74	1.24	0.82	0.67	0.60
115	2.20	1.85	1.29	0.97	0.80	0.75	0.74	0.82	0.97	1.24	1.72	2.39	2.23	2.35	2.16	1.70	1.17	0.93	0.83
120	2.37	1.99	1.43	1.10	0.92	0.86	0.86	0.97	1.12	1.42	1.93	2.62	2.49	2.61	2.47	2.08	1.54	1.26	1.10
125	2.45	2.08	1.55	1.22	1.04	0.97	0.99	1.11	1.25	1.57	2.09	2.76	2.66	2.75	2.69	2.36	1.88	1.61	1.41
130	2.48	2.17	1.66	1.34	1.16	1.10	1.11	1.24	1.38	1.69	2.18	2.78	2.75	2.80	2.80	2.57	2.20	1.95	1.73
135	2.48	2.20	1.73	1.44	1.28	1.22	1.22	1.35	1.51	1.75	2.18	2.71	2.81	2.78	2.75	2.67	2.48	2.25	2.02
140	2.44	2.15	1.76	1.53	1.39	1.33	1.33	1.45	1.59	1.79	2.13	2.57	2.89	2.80	2.65	2.68	2.66	2.48	2.26
145	2.35	2.08	1.79	1.61	1.50	1.44	1.45	1.55	1.69	1.84	2.10	2.41	2.93	2.92	2.71	2.68	2.74	2.63	2.46
150	2.25	2.05	1.85	1.71	1.62	1.57	1.58	1.67	1.79	1.92	2.09	2.33	2.91	3.05	2.91	2.78	2.76	2.69	2.59
155	2.20	2.07	1.92	1.82	1.75	1.72	1.74	1.81	1.90	2.02	2.14	2.30	2.83	3.04	3.04	2.94	2.82	2.74	2.67
160	2.19	2.11	2.02	1.94	1.89	1.89	1.91	1.95	2.01	2.10	2.19	2.32	2.77	2.97	3.05	3.00	2.91	2.82	2.75
165	2.22	2.19	2.12	2.07	2.05	2.06	2.07	2.10	2.13	2.17	2.23	2.35	2.72	2.87	2.96	2.97	2.92	2.87	2.83
170	2.28	2.28	2.24	2.23	2.23	2.25	2.28	2.29	2.29	2.30	2.31	2.39	2.67	2.77	2.84	2.89	2.88	2.88	2.86
175	2.36	2.40	2.39	2.39	2.39	2.42	2.46	2.46	2.43	2.40	2.40	2.43	2.61	2.66	2.70	2.74	2.76	2.79	2.79
180	2.48	2.52	2.52	2.53	2.54	2.58	2.60	2.57	2.53	2.50	2.47	2.47	2.51	2.55	2.56	2.58	2.59	2.62	2.63

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2015-10-23

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks: 144合1

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.5V I:0.6920A P:148.1W PF:0.9700 Lamp Flux:16384.7x1 lm		
NAME: 路灯	TYPE:室外	WEIGHT:5
SPEC.:LD4A-6-150W	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: x10cd

C (DEG) \ γ (DEG)	285	300	315	330	345														
0	387	387	387	387	387														
5	357	360	366	372	380														
10	322	331	345	362	380														
15	287	302	326	355	385														
20	256	277	311	354	400														
25	234	265	317	377	437														
30	217	247	306	390	482														
35	200	232	298	388	500														
40	199	222	296	394	511														
45	200	221	294	403	526														
50	182	215	295	403	538														
55	159	194	280	395	532														
60	122	153	231	345	483														
65	76.0	96.5	150	231	344														
70	34.1	48.3	69.0	104	156														
75	31.1	30.0	33.1	38.3	46.0														
80	26.4	21.9	22.6	19.9	19.1														
85	11.2	13.1	11.5	11.1	14.0														
90	2.31	3.71	5.33	6.44	5.94														
95	0.19	0.19	0.52	1.64	2.11														
100	0.29	0.29	0.34	0.54	0.83														
105	0.43	0.45	0.58	0.94	1.24														
110	0.60	0.65	0.92	1.37	1.64														
115	0.82	0.91	1.26	1.71	1.93														
120	1.09	1.20	1.55	1.93	2.11														
125	1.39	1.50	1.80	2.10	2.25														
130	1.70	1.79	2.04	2.30	2.39														
135	1.98	2.07	2.27	2.47	2.46														
140	2.23	2.32	2.47	2.57	2.46														
145	2.43	2.53	2.63	2.64	2.48														
150	2.58	2.66	2.72	2.70	2.58														
155	2.68	2.74	2.76	2.72	2.62														
160	2.76	2.77	2.76	2.71	2.60														
165	2.81	2.79	2.75	2.67	2.56														
170	2.84	2.79	2.73	2.63	2.53														
175	2.77	2.72	2.65	2.59	2.52														
180	2.61	2.58	2.54	2.50	2.48														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2015-10-23

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks: 144合1