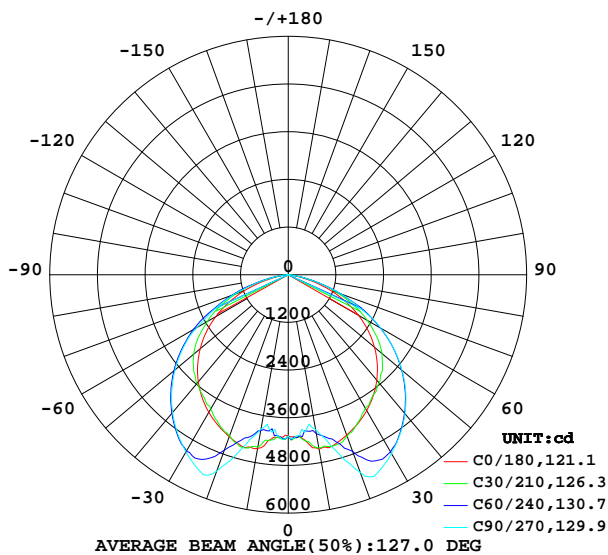
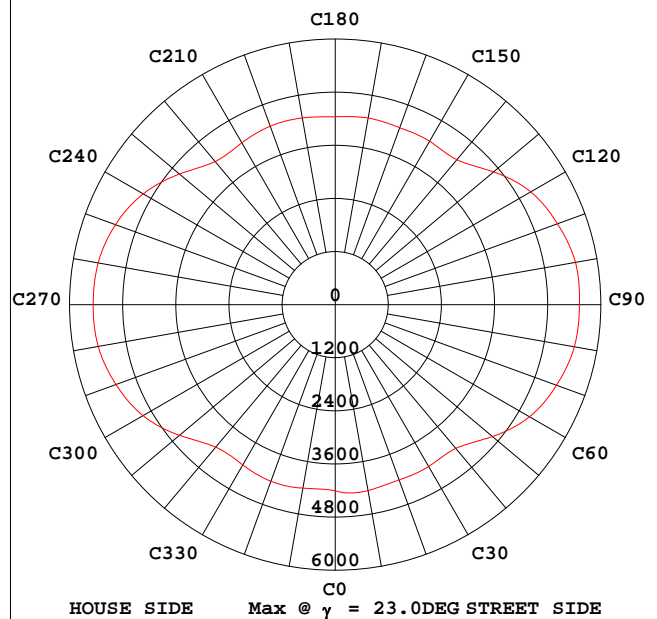


## STREETLIGHT PHOTOMETRIC TEST REPORT

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 125.00 lm/W			
MODEL	LD120LMA 5S 3030	Imax(cd)	5516	$\eta$ street_up(%)	0.2
NOMINAL POWER(W)	120	LOR(%)	100.0	$\eta$ street_down(%)	49.8
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	15000	$\eta$ house_up(%)	0.2
NOMINAL FLUX(lm)	15000	MAXIMUM @(C, $\gamma$ )	90,23.0	$\eta$ house_down(%)	49.9
LAMPS INSIDE	1	$\eta$ up(%)	0.3	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	220.1	$\eta$ down(%)	99.7	SLI	21.421

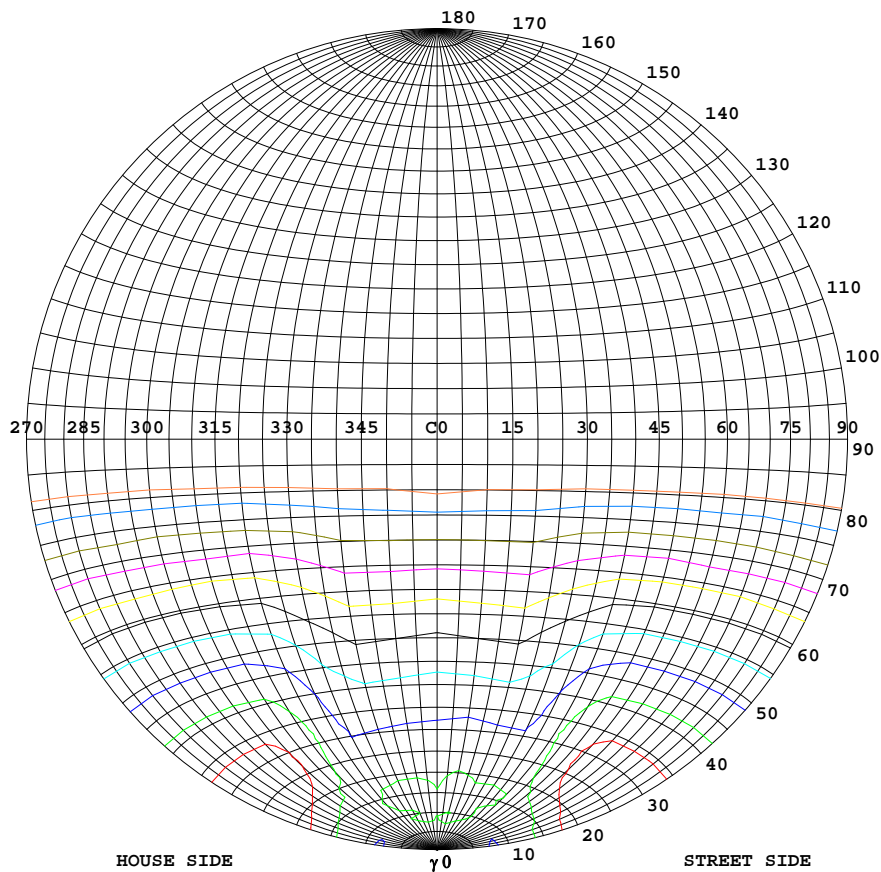
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2017.10.31

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.480m [K=1.0000]  
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:



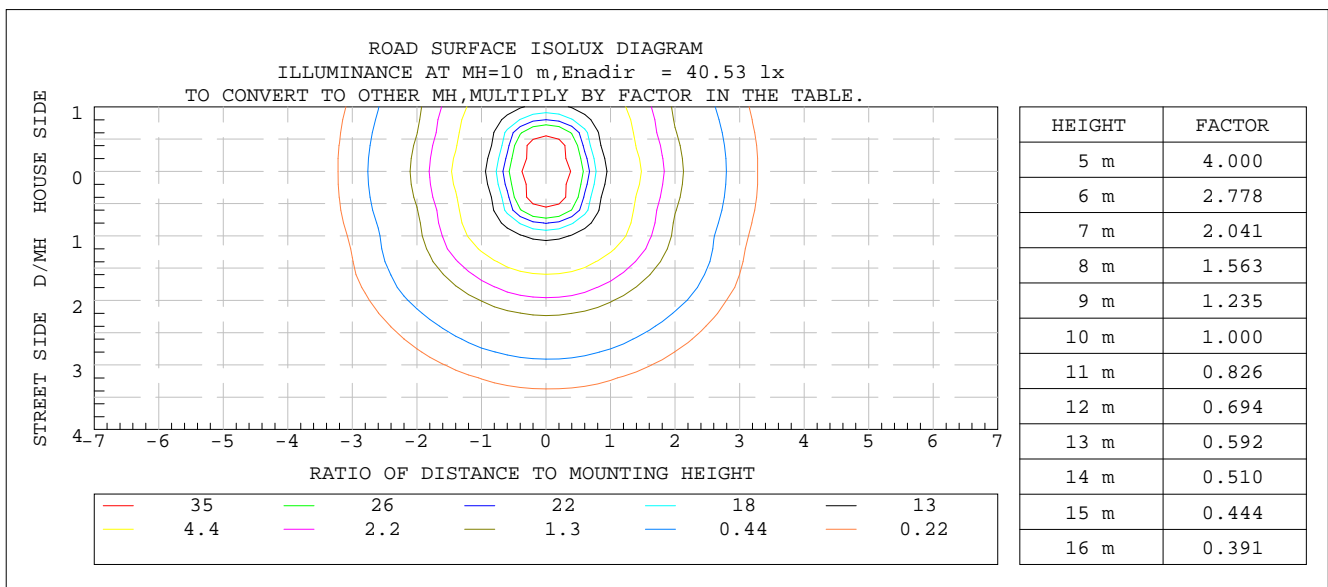
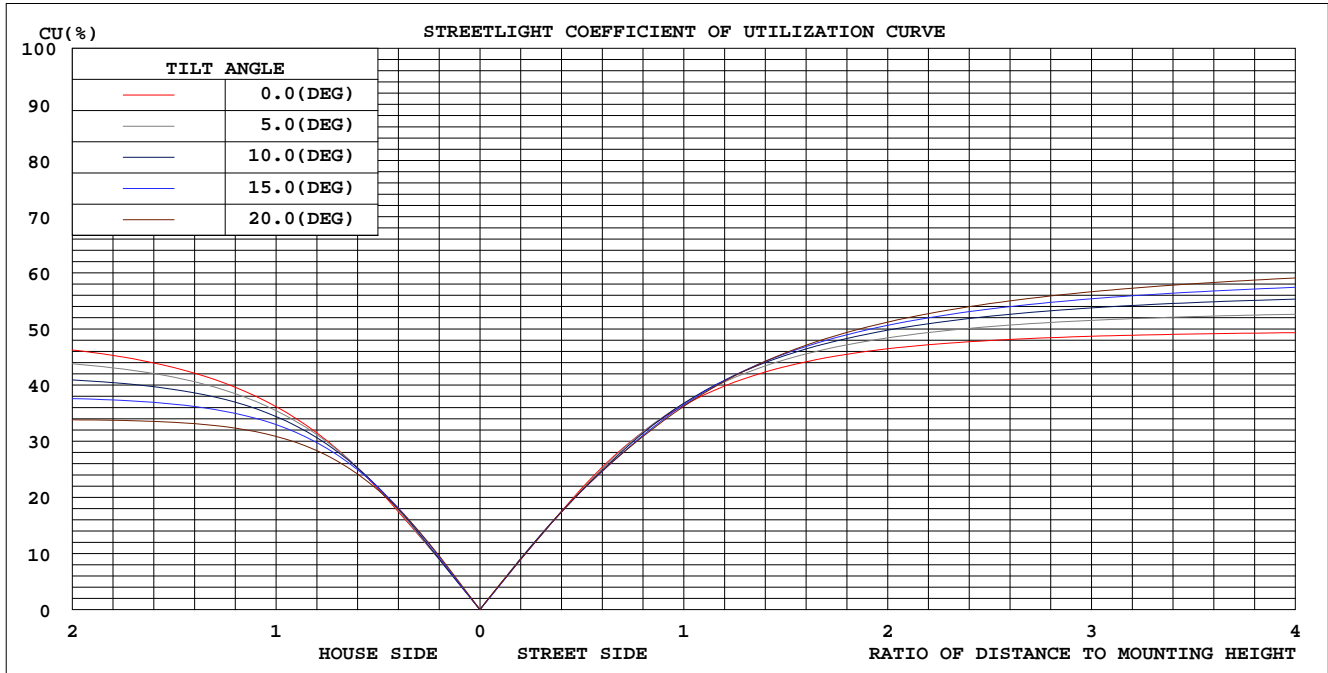
Classification:

IES:Type VS - Very Short  
 CIE:Narrow - Short  
 IES:Cut-off  
 CIE:Full cut-off  
 Max.At80:27.53cd/klm  
 Max.At90:7.119cd/klm  
 Max.80-90:27.53cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	5516
90%	4964
80%	4412
70%	3861
60%	3309
50%	2758
40%	2206
30%	1655
20%	1103
10%	552
5%	276

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2017.10.31

γ Range: 0 - 100DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:10.480m [K=1.0000]  
 Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2017.10.31

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 10.480m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:

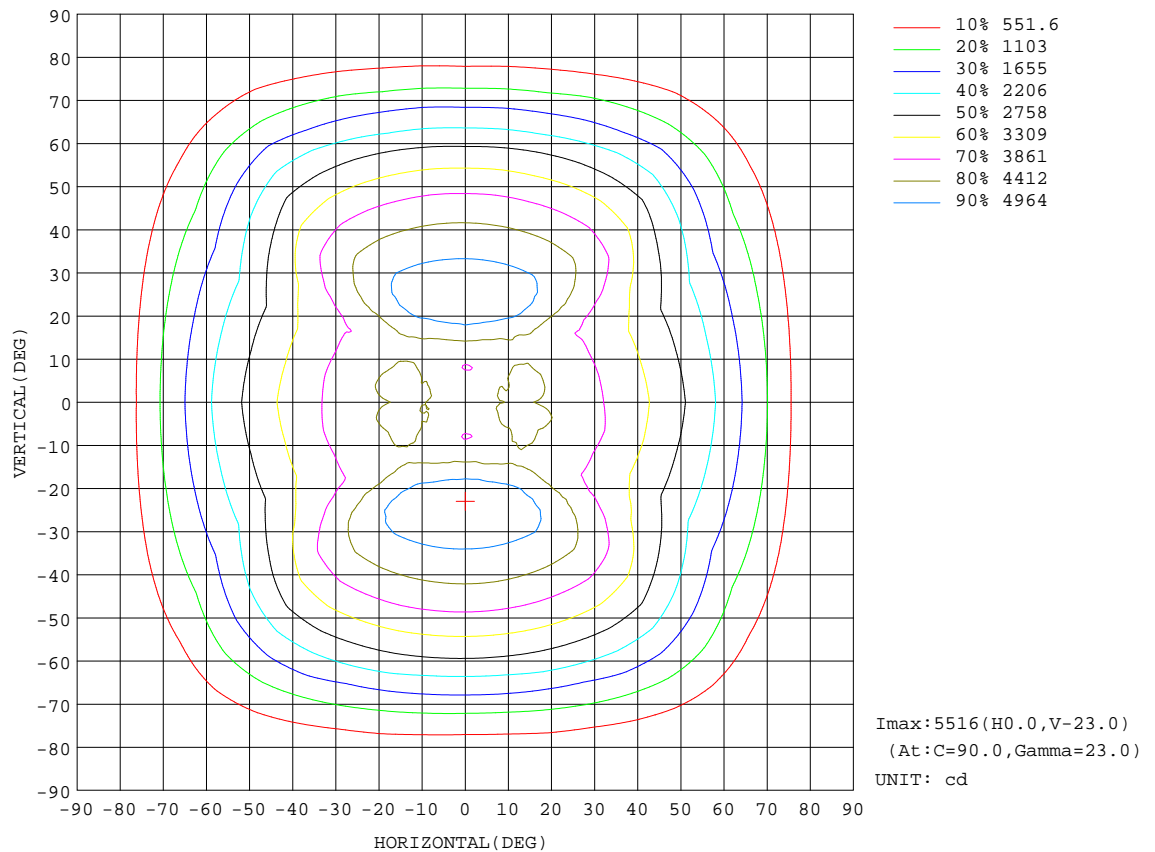
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	4455	4200	3952	4140	4435	4132	3940	4191	0- 10	393.5	393.5	2.62,2.62
20	4295	4369	5300	4410	4337	4369	5255	4345	10- 20	1261	1655	11,11
30	3950	4589	5197	4647	3997	4569	5148	4561	20- 30	2154	3809	25.4,25.4
40	3466	4350	4572	4415	3522	4353	4529	4325	30- 40	2724	6532	43.5,43.5
50	2833	3650	3736	3709	2891	3690	3717	3636	40- 50	2900	9432	62.9,62.9
60	2038	2659	2692	2722	2104	2731	2652	2671	50- 60	2632	12064	80.4,80.4
70	1112	1434	1406	1502	1179	1529	1475	1467	60- 70	1896	13960	93.1,93.1
80	220.1	313.3	298.2	356.1	264.5	398.8	364.7	358.1	70- 80	860.2	14820	98.8,98.8
90	5.035	37.23	11.05	36.48	6.192	35.97	11.63	35.62	80- 90	130.0	14950	99.7,99.7
100	8.182	37.43	18.26	36.71	8.815	37.29	19.17	37.15	90-100	48.08	14998	100,100
110	0	0	0	0	0	0	0	0	100-110	2.309	15000	100,100
120	0	0	0	0	0	0	0	0	110-120	0	15000	100,100
130	0	0	0	0	0	0	0	0	120-130	0	15000	100,100
140	0	0	0	0	0	0	0	0	130-140	0	15000	100,100
150	0	0	0	0	0	0	0	0	140-150	0	15000	100,100
160	0	0	0	0	0	0	0	0	150-160	0	15000	100,100
170	0	0	0	0	0	0	0	0	160-170	0	15000	100,100
180	0	0	0	0	0	0	0	0	170-180	0	15000	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2017.10.31

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.480m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

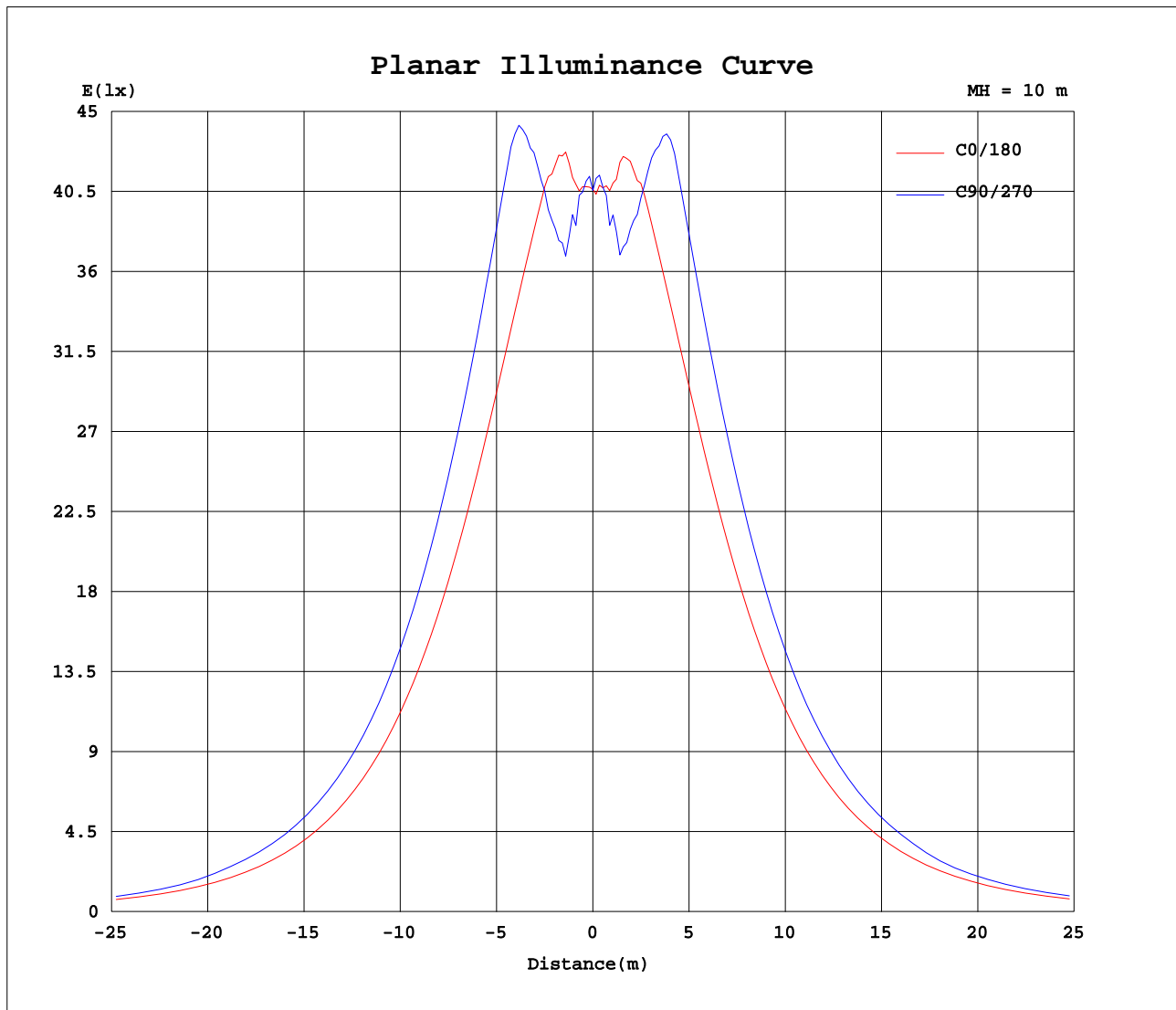
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2017.10.31

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.480m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



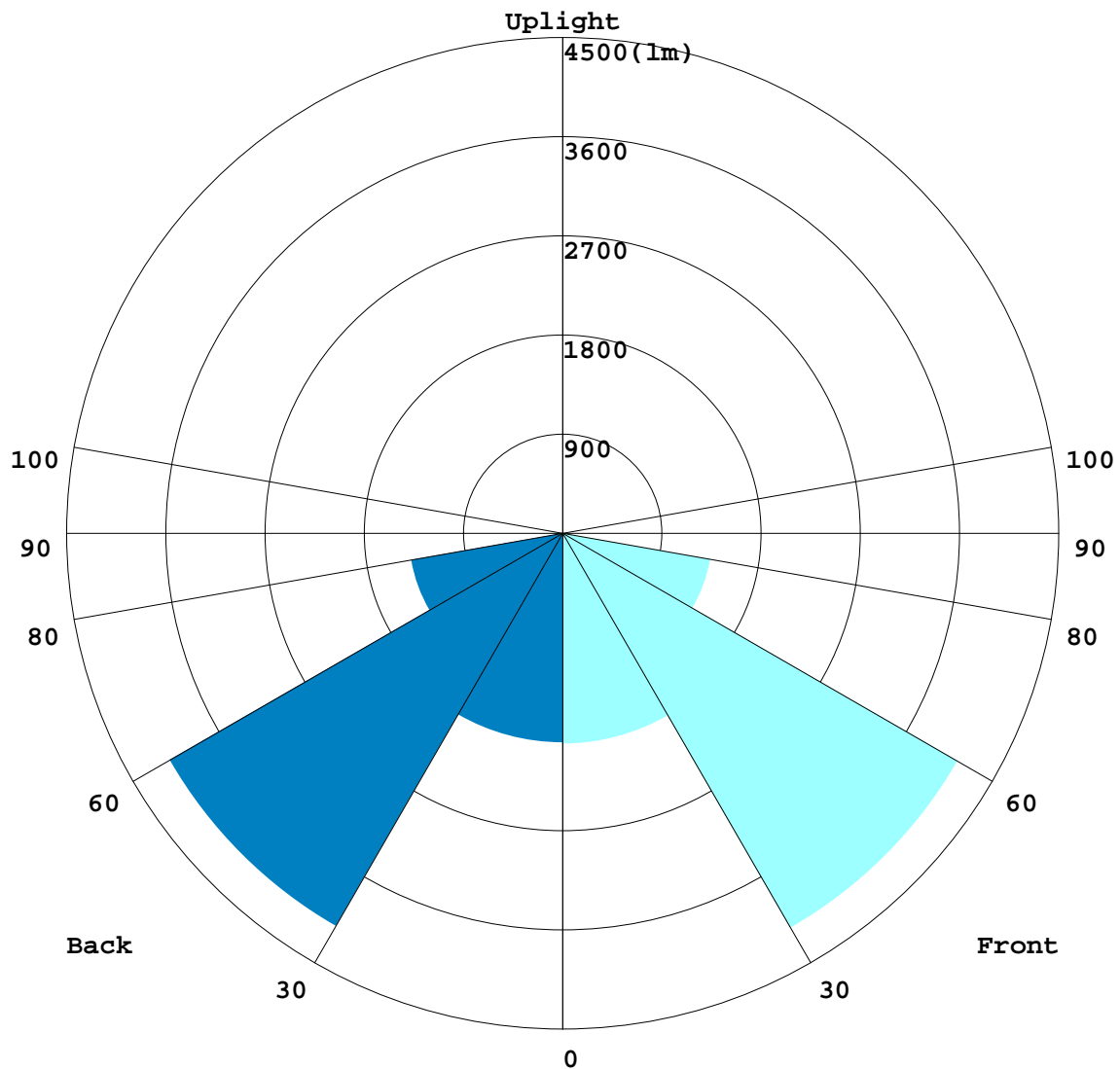
C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2017.10.31

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 10.480m [K=1.0000]  
Remarks:

LCS REPORT

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2017.10.31

γ Range: 0 - 100DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.480m [K=1.0000]  
Remarks:

### BUG REPORT

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1910.3	12.7
FM - Front-Medium(30-60)	4137.6	27.6
FH - Front-High(60-80)	1360.4	9.1
FVH - Front-Very High(80-90)	60.405	0.4
Total Forward Light	7494.1	50.0

BL - Back-Low(0-30)	1898.3	12.7
BM - Back-Medium(30-60)	4117.7	27.5
BH - Back-High(60-80)	1395.4	9.3
BVH - Back-Very High(80-90)	69.549	0.5
Total Back Light	7506	50.0

UL - Uplight-Low(90-100)	48.076	0.3
UH - Uplight-High(100-180)	2.3087	0.0
Total Up Light	50.384	0.3

BUG(Back,Up,Glare) Rating	B3-U2-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7481	24.991	7506
Street Side	7468.7	25.394	7494.1

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2017.10.31

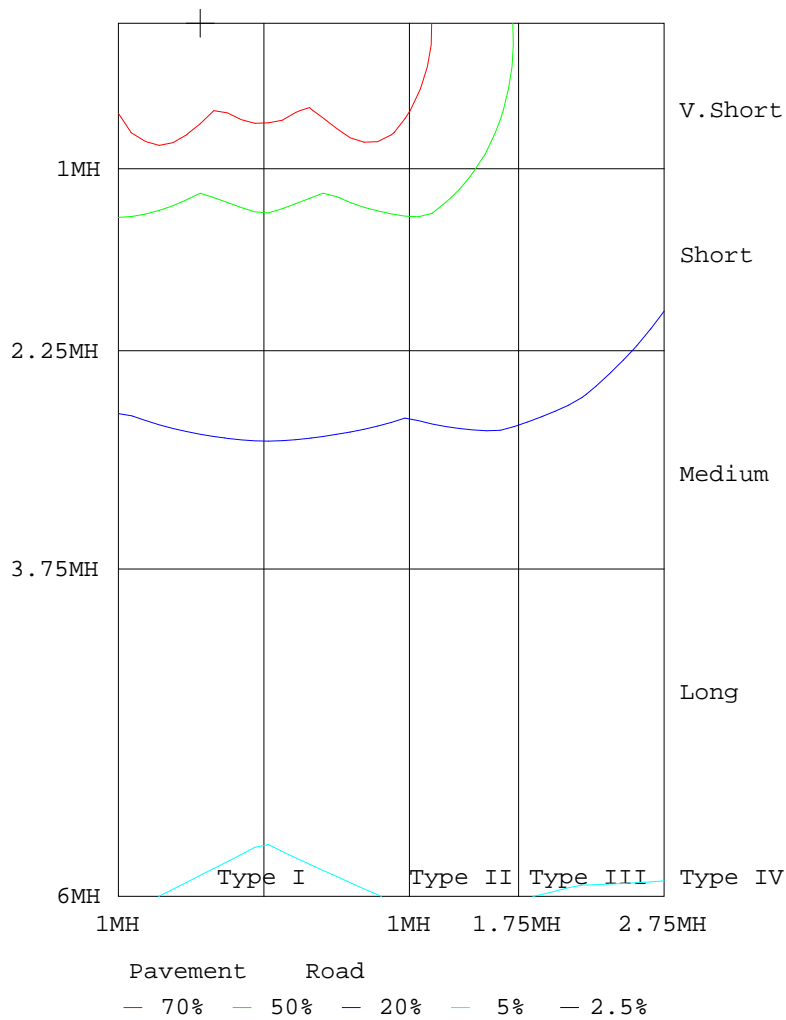
γ Range: 0 - 100DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.480m [K=1.0000]  
Remarks:



ROAD ISOCANDELA REPORT

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2017.10.31

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.480m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:

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	4062	4060	4055	4053	4055	4053	4055	4053	4056	4056	4050	4056	4048	4063	4058	4071	4080	4082	4062
5	4138	4247	4164	4160	4125	4073	4089	3961	3947	3903	3885	4012	4059	4019	4129	4129	4093	4239	4101
10	4455	4402	4460	4428	4270	4130	4064	4017	3958	3952	3921	3968	4002	4035	4245	4398	4452	4376	4435
15	4436	4585	4541	4453	4400	4285	4280	4379	4520	4563	4515	4433	4276	4263	4398	4479	4546	4605	4474
20	4295	4449	4333	4329	4275	4463	4728	5025	5230	5300	5239	5026	4807	4492	4328	4362	4369	4494	4337
25	4136	4189	4154	4120	4255	4681	5172	5387	5430	5437	5436	5411	5211	4808	4299	4161	4198	4224	4182
30	3950	4036	3952	3879	4309	4869	5149	5187	5192	5197	5200	5206	5176	4925	4369	3947	4005	4073	3997
35	3726	3741	3683	3704	4273	4770	4893	4899	4904	4905	4912	4916	4920	4823	4358	3799	3718	3772	3778
40	3466	3446	3374	3562	4176	4524	4554	4563	4568	4572	4574	4580	4585	4563	4267	3634	3424	3483	3522
45	3168	3106	3077	3359	3915	4159	4163	4171	4179	4183	4185	4196	4202	4212	4000	3419	3105	3152	3226
50	2833	2754	2696	3081	3579	3722	3725	3728	3728	3736	3740	3759	3765	3777	3640	3167	2777	2811	2891
55	2456	2386	2330	2721	3123	3231	3231	3232	3232	3238	3247	3265	3271	3291	3193	2788	2403	2446	2521
60	2038	1982	1938	2298	2632	2687	2677	2686	2688	2692	2703	2719	2723	2744	2700	2390	2020	2047	2104
65	1578	1546	1515	1823	2051	2098	2082	2040	2004	1998	2018	2080	2125	2142	2119	1915	1593	1615	1654
70	1112	1098	1086	1302	1446	1423	1404	1400	1399	1406	1415	1432	1439	1491	1512	1388	1152	1162	1179
75	614	654	653	787	824	835	790	795	791	790	801	816	819	883	884	862	728	723	688
80	220	279	283	316	308	318	314	304	294	298	303	329	340	366	346	360	328	335	265
85	19.1	115	108	87.1	66.3	57.6	51.4	52.0	48.3	47.9	50.1	57.7	60.1	69.7	80.0	101	117	127	37.1
90	5.03	107	96.5	67.7	44.0	30.5	22.9	17.8	13.9	11.1	13.8	17.7	22.7	30.0	42.9	64.8	90.5	102	6.19
95	6.37	105	92.7	65.3	43.8	31.9	25.1	20.4	16.5	14.4	16.4	20.2	24.8	31.4	42.8	62.7	87.4	100	6.95
100	8.18	93.6	82.3	59.4	42.1	32.8	27.2	23.2	19.6	18.3	19.5	22.9	26.9	32.3	41.1	56.9	77.3	89.1	8.82
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2017.10.31

γ Range: 0 - 100DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.480m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:

Table--2

UNIT: cd

C(DEC)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
γ (DEC)																			
0	4060	4055	4053	4055	4053	4055	4053	4056	4056	4050	4056	4048	4063	4058	4071	4080	4082		
5	4253	4207	4165	4151	3986	4063	4007	3953	3904	3957	3988	4080	4051	4122	4167	4204	4218		
10	4551	4457	4404	4215	4049	3980	3963	3927	3940	3930	4011	4018	4101	4280	4372	4371	4451		
15	4599	4528	4501	4377	4248	4256	4368	4470	4529	4472	4363	4263	4265	4335	4483	4509	4628		
20	4505	4405	4319	4296	4441	4694	4972	5187	5255	5187	4970	4695	4403	4288	4264	4352	4315		
25	4181	4223	4138	4244	4673	5128	5359	5398	5390	5390	5347	5125	4679	4211	4082	4141	4170		
30	4032	3972	3898	4299	4840	5125	5162	5153	5148	5143	5142	5102	4836	4286	3848	3903	3947		
35	3749	3695	3729	4280	4760	4881	4878	4868	4861	4856	4854	4847	4728	4258	3708	3624	3671		
40	3458	3419	3576	4192	4514	4556	4545	4538	4529	4522	4516	4515	4476	4175	3542	3352	3403		
45	3151	3117	3366	3947	4179	4179	4167	4159	4148	4144	4134	4134	4127	3909	3337	3027	3097		
50	2810	2761	3103	3625	3755	3756	3739	3734	3717	3718	3705	3710	3701	3570	3071	2698	2754		
55	2436	2394	2769	3175	3279	3278	3264	3256	3236	3241	3229	3235	3224	3125	2712	2343	2385		
60	2051	2015	2356	2711	2752	2754	2735	2700	2652	2679	2698	2703	2692	2651	2328	1972	1977		
65	1618	1614	1908	2155	2176	2103	2073	2075	2044	2054	2040	2046	2112	2085	1853	1541	1547		
70	1168	1172	1387	1549	1510	1507	1496	1503	1475	1482	1467	1472	1462	1471	1335	1120	1098		
75	721	742	860	939	940	906	887	894	866	879	861	869	888	882	797	689	656		
80	330	337	373	396	402	413	385	381	365	370	368	384	366	350	335	298	287		
85	122	116	103	94.7	86.1	87.6	82.6	80.8	73.0	76.3	75.7	75.4	71.2	78.0	88.5	107	116		
90	98.4	87.0	61.7	41.7	30.2	23.5	18.7	14.8	11.6	14.4	18.2	23.0	29.8	41.5	62.3	90.5	107		
95	97.2	84.7	60.4	42.2	32.0	25.9	21.4	17.6	15.1	17.2	21.0	25.5	31.6	42.0	60.8	87.5	104		
100	86.7	75.5	55.6	41.3	33.3	28.3	24.4	20.9	19.2	20.6	24.1	28.1	33.1	41.3	56.2	78.2	93.5		
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2017.10.31

γ Range: 0 - 100DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.480m [K=1.0000]  
Remarks: