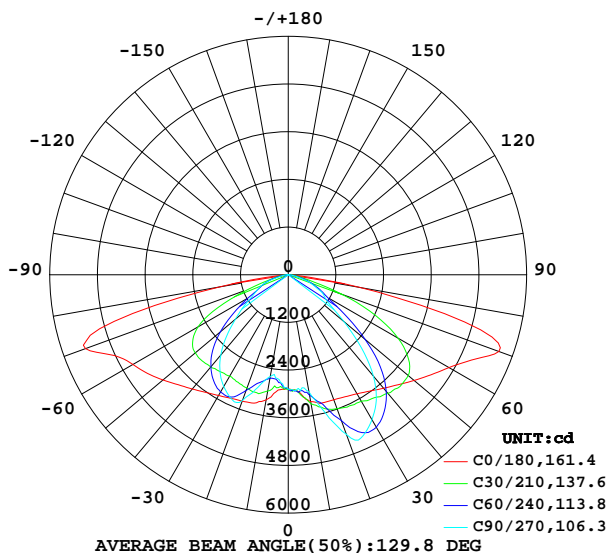
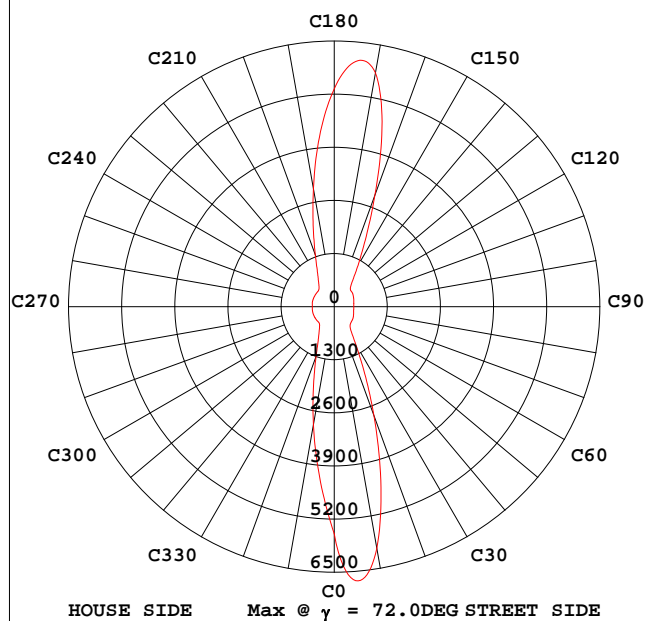


STREETLIGHT PHOTOMETRIC TEST REPORT

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

DATA OF LAMP		PHOTOMETRIC DATA Eff: 110.00 lm/W			
MODEL	LD120LMA 2M 3030	Imax(cd)	6006	η street_up(%)	0.2
NOMINAL POWER(W)	120	LOR(%)	100.0	η street_down(%)	55.0
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	13200	η house_up(%)	0.2
NOMINAL FLUX(lm)	13200	MAXIMUM @ (C, γ)	10,72.0	η house_down(%)	44.6
LAMPS INSIDE	1	η up(%)	0.5	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	220.1	η down(%)	99.5	SLI	24.657

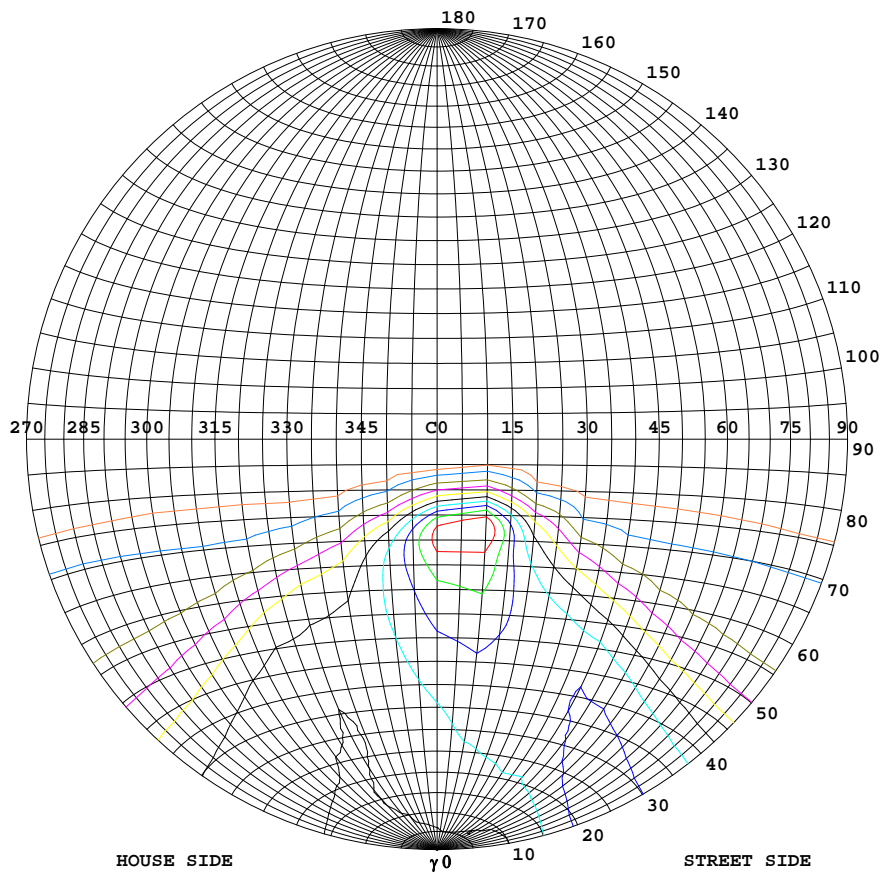
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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

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:

STREETLIGHT ISOCANDELA DIAGRAM

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



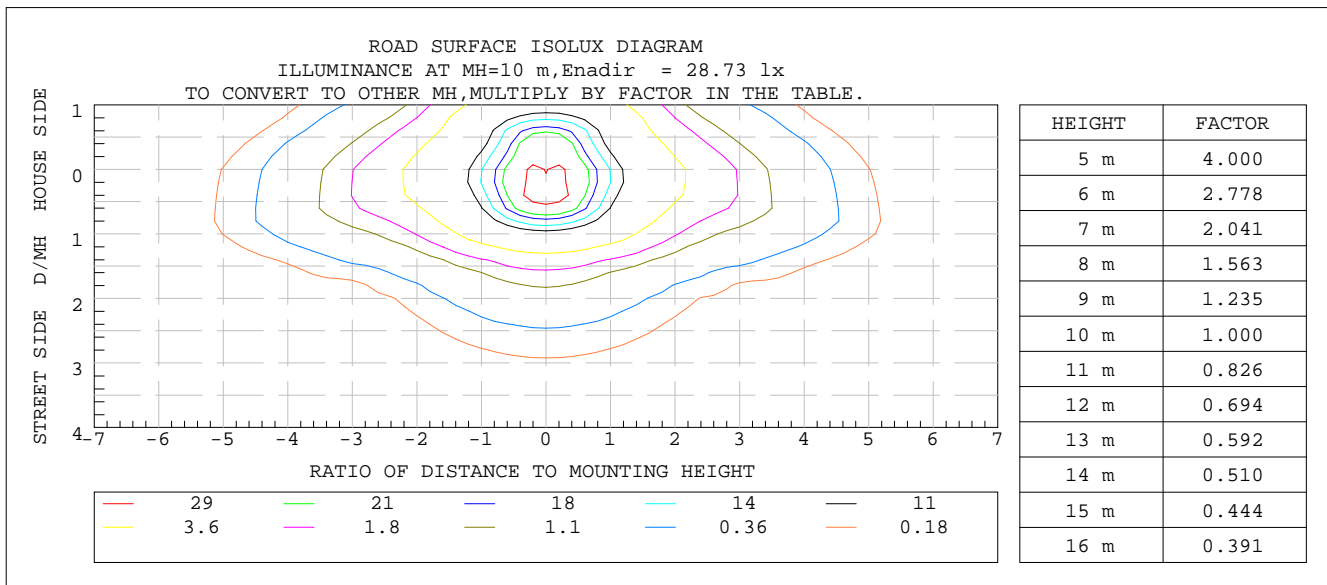
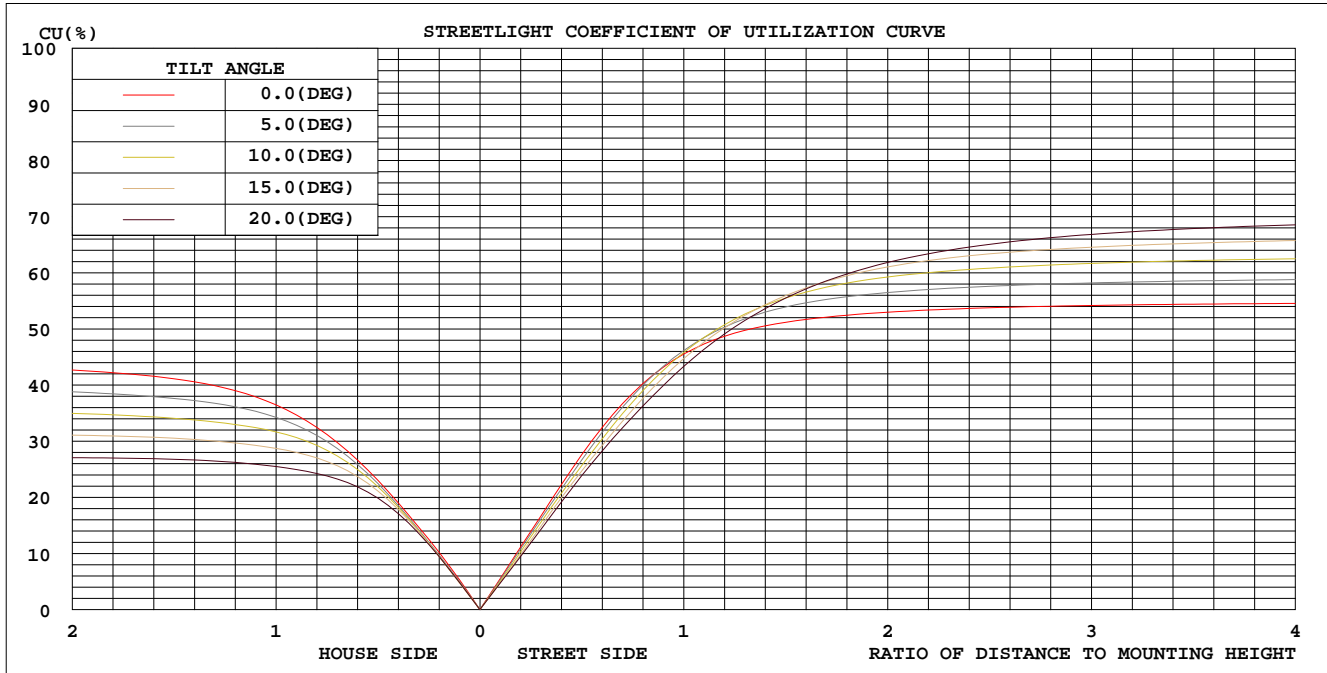
Classification:

IES:Type I - Medium
 CIE:Narrow - Long
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:178.3cd/klm
 Max.At90:11.98cd/klm
 Max.80-90:178.3cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	6006
90%	5405
80%	4805
70%	4204
60%	3603
50%	3003
40%	2402
30%	1802
20%	1201
10%	601
5%	300

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

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:

ZONAL FLUX DIAGRAM

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

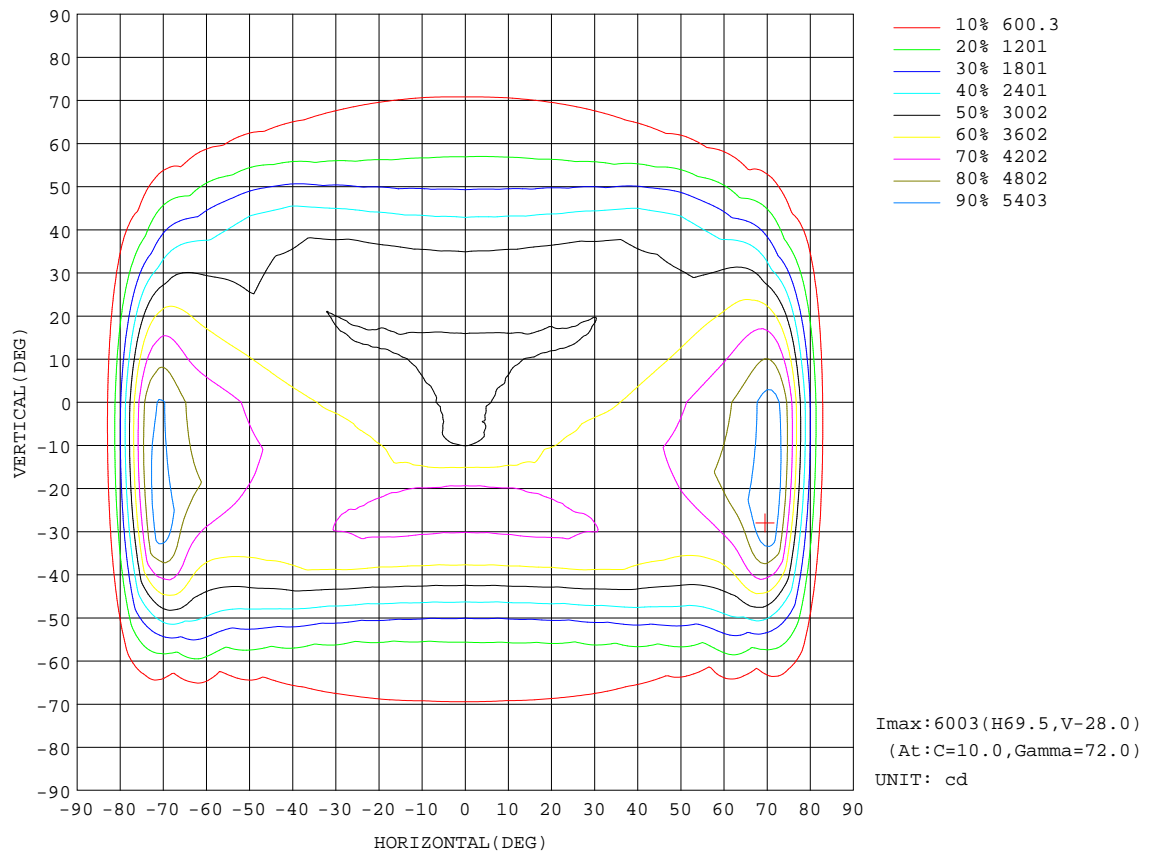
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	3244	3161	2987	3111	3194	2799	2597	2821	0- 10	277.3	277.3	2.1,2.1
20	3351	3631	4274	3624	3384	2954	3360	2941	10- 20	922.9	1200	9.09,9.09
30	3462	4168	4213	4188	3509	3240	3248	3247	20- 30	1669	2869	21.7,21.7
40	3731	4193	3334	4190	3754	3271	2643	3282	30- 40	2243	5112	38.7,38.7
50	4137	3446	1816	3450	4119	2847	1735	2808	40- 50	2492	7604	57.6,57.6
60	4673	1920	1034	1966	4516	1785	1017	1726	50- 60	2319	9923	75.2,75.2
70	5642	713.0	576.3	730.4	5431	679.4	638.2	660.1	60- 70	1910	11833	89.6,89.6
80	1782	202.6	133.0	218.9	1740	218.7	155.7	203.1	70- 80	1141	12974	98.3,98.3
90	10.18	45.54	8.407	44.59	11.62	40.55	8.695	39.84	80- 90	166.1	13140	99.5,99.5
100	14.33	39.47	13.15	38.52	15.92	38.66	13.66	38.55	90-100	57.21	13197	100,100
110	0	0	0	0	0	0	0	0	100-110	2.489	13200	100,100
120	0	0	0	0	0	0	0	0	110-120	0	13200	100,100
130	0	0	0	0	0	0	0	0	120-130	0	13200	100,100
140	0	0	0	0	0	0	0	0	130-140	0	13200	100,100
150	0	0	0	0	0	0	0	0	140-150	0	13200	100,100
160	0	0	0	0	0	0	0	0	150-160	0	13200	100,100
170	0	0	0	0	0	0	0	0	160-170	0	13200	100,100
180	0	0	0	0	0	0	0	0	170-180	0	13200	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

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:

ISOCANDELA DIAGRAM

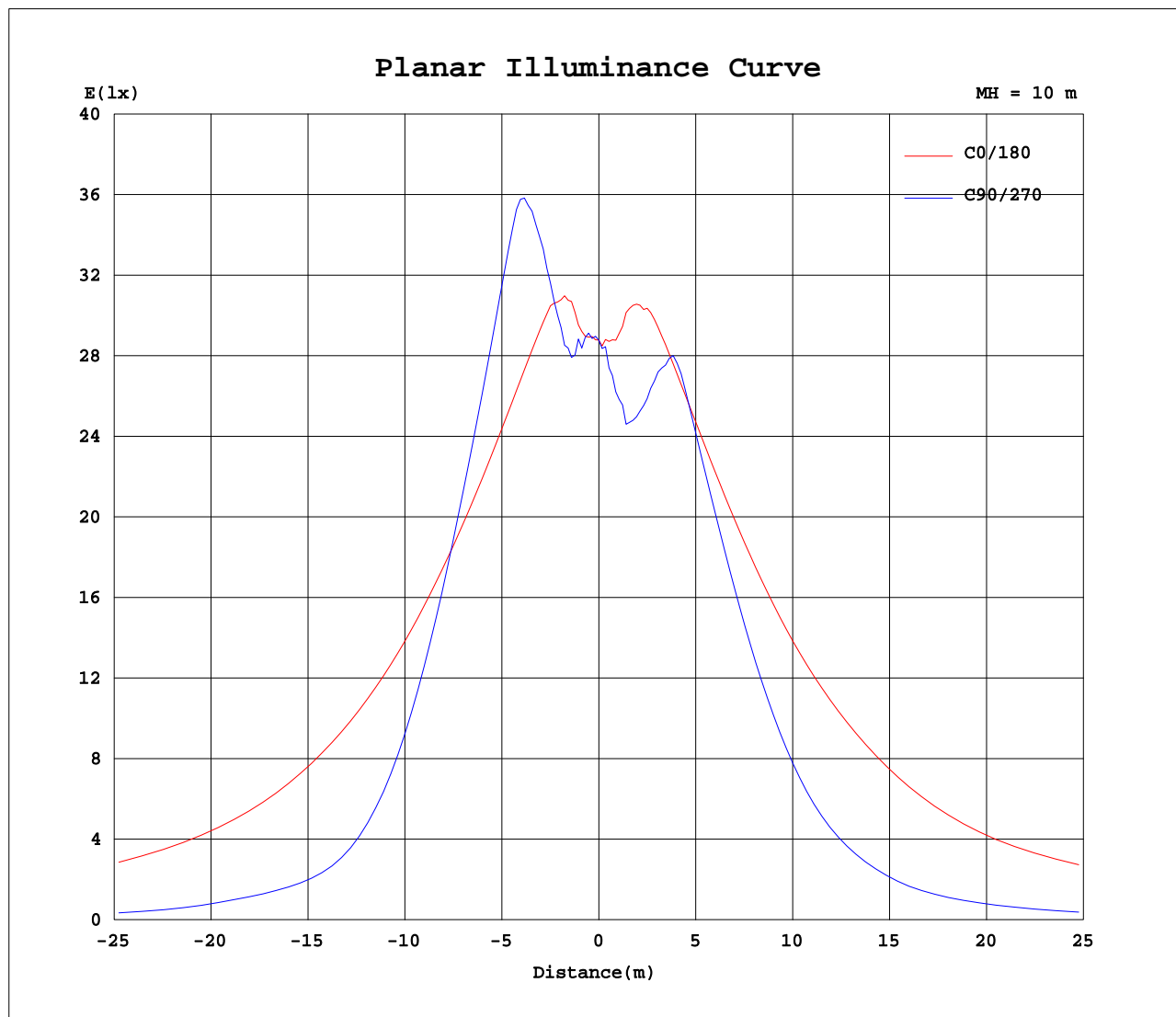
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:



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

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:

Planar Illuminance Curve



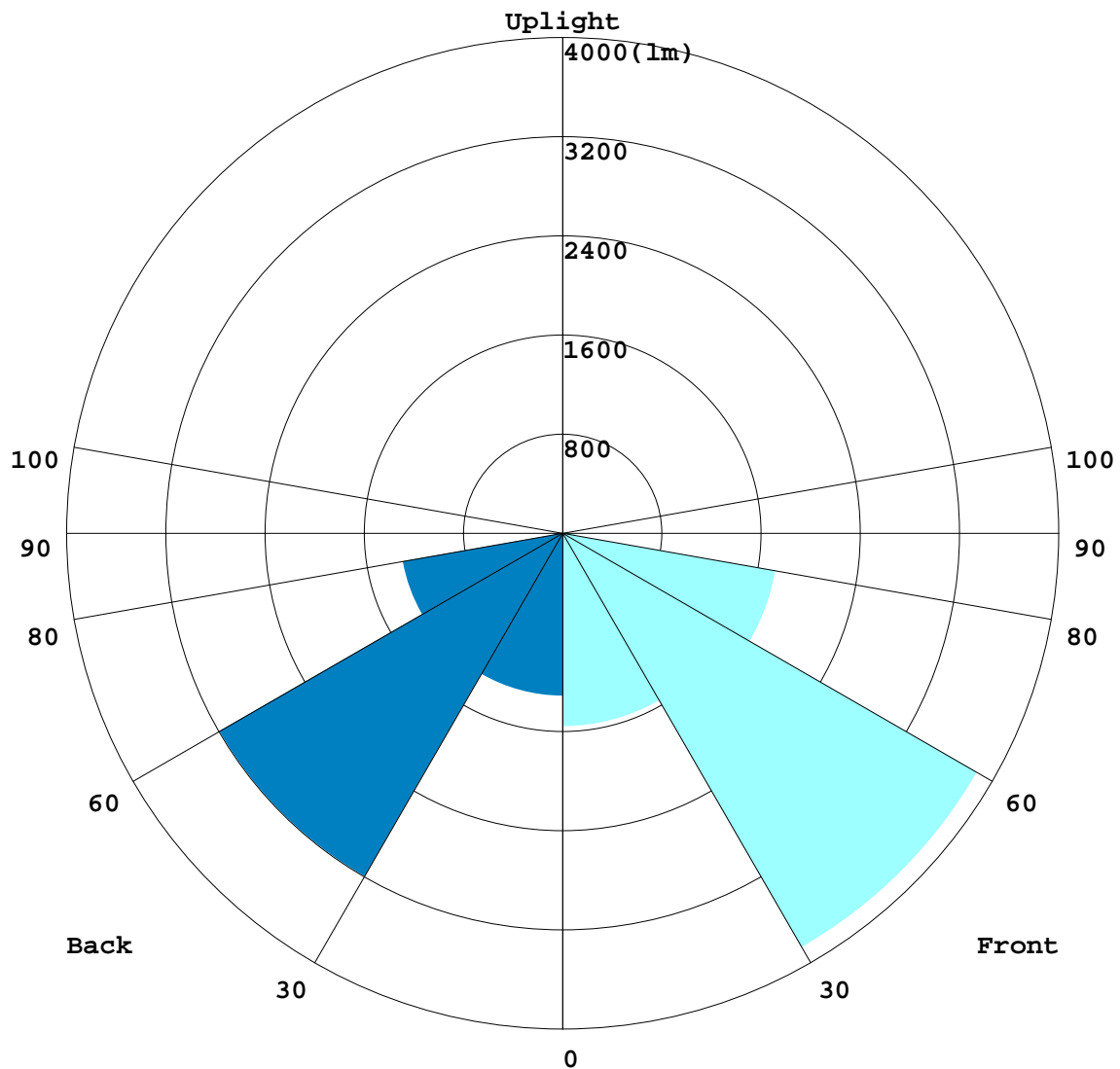
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2017.10.31

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:

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)	1557.6	11.8
FM - Front-Medium(30-60)	3857.3	29.2
FH - Front-High(60-80)	1742.2	13.2
FVH - Front-Very High(80-90)	97.997	0.7
Total Forward Light	7286.5	55.2

BL - Back-Low(0-30)	1311.5	9.9
BM - Back-Medium(30-60)	3196.2	24.2
BH - Back-High(60-80)	1309.2	9.9
BVH - Back-Very High(80-90)	68.057	0.5
Total Back Light	5913.4	44.8

UL - Uplight-Low(90-100)	57.213	0.4
UH - Uplight-High(100-180)	2.4889	0.0
Total Up Light	59.702	0.5

BUG(Back,Up,Glare) Rating	B3-U3-G3
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5885	28.349	5913.4
Street Side	7255.1	31.353	7286.5

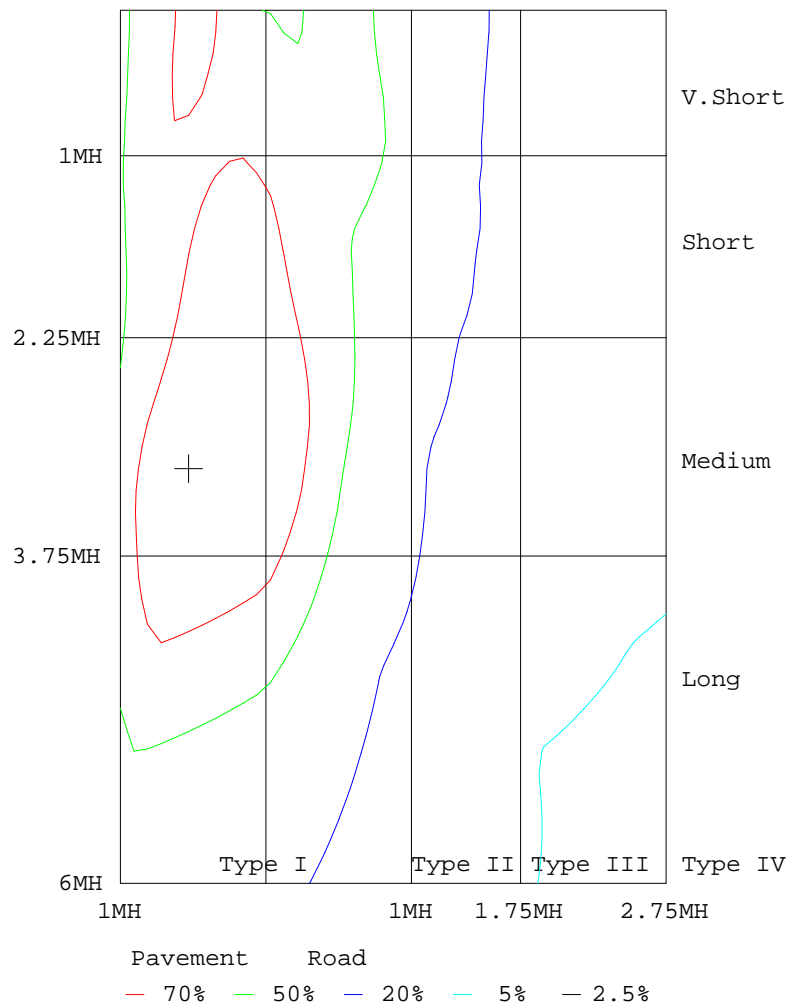
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017.10.31

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

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--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	2878	2882	2868	2879	2865	2881	2869	2880	2868	2877	2870	2874	2872	2872	2873	2868	2872	2869	2878
5	2955	3005	3002	2974	2987	2939	2972	2940	2907	2871	2886	2926	2964	2925	2967	2944	2942	2970	2911
10	3244	3264	3296	3299	3208	3115	3077	3034	3005	2987	3000	3005	3036	3050	3173	3266	3267	3224	3194
15	3339	3433	3504	3482	3472	3385	3378	3469	3556	3588	3546	3471	3374	3364	3441	3473	3502	3452	3345
20	3351	3538	3551	3588	3571	3690	3901	4101	4251	4274	4252	4097	3921	3688	3560	3589	3578	3583	3384
25	3388	3545	3627	3643	3729	4055	4384	4487	4479	4466	4479	4497	4405	4099	3744	3650	3654	3564	3431
30	3462	3684	3727	3675	3981	4354	4435	4329	4238	4213	4239	4330	4437	4369	4006	3692	3747	3714	3509
35	3576	3795	3821	3779	4153	4355	4208	4026	3901	3863	3897	4022	4205	4359	4173	3803	3817	3790	3616
40	3731	3954	3900	3900	4229	4157	3839	3573	3387	3334	3387	3567	3831	4142	4239	3922	3895	3930	3754
45	3914	4132	4001	3977	4084	3764	3280	2922	2678	2610	2681	2919	3277	3758	4085	3976	3969	4091	3917
50	4137	4339	4020	3946	3752	3140	2522	2126	1877	1816	1881	2126	2527	3147	3753	3943	4010	4291	4119
55	4388	4584	4024	3695	3126	2332	1719	1407	1271	1240	1259	1399	1732	2356	3165	3682	4011	4511	4328
60	4673	4853	3918	3192	2315	1525	1143	1061	1036	1034	1027	1035	1125	1552	2380	3243	3914	4698	4516
65	5087	5178	3653	2420	1442	978	872	819	796	794	797	812	857	972	1516	2515	3614	4889	4821
70	5642	5801	3159	1439	766	660	624	600	578	576	580	604	622	662	799	1576	3158	5466	5431
75	4596	5265	2046	559	449	416	388	357	327	323	330	364	397	428	464	634	2213	5246	4534
80	1782	2199	510	260	215	191	174	157	140	133	142	161	182	203	235	278	596	2353	1740
85	174	274	170	120	81.5	61.8	49.2	44.7	38.6	35.0	39.5	47.1	53.0	66.8	86.9	127	179	288	140
90	10.2	158	136	91.5	55.6	35.5	24.6	17.6	12.1	8.41	12.2	17.7	24.6	35.1	54.1	88.5	133	158	11.6
95	12.1	143	123	84.0	52.8	35.4	25.5	18.9	13.5	10.6	13.5	18.8	25.3	34.9	51.6	81.9	120	144	13.4
100	14.3	113	97.9	68.6	45.8	33.2	25.5	19.9	15.2	13.1	15.1	19.7	25.1	32.5	44.5	66.0	93.4	110	15.9
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(DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	2882	2868	2879	2865	2881	2869	2880	2868	2877	2870	2874	2872	2872	2873	2868	2872	2869		
5	2950	2883	2853	2793	2744	2727	2677	2625	2651	2646	2660	2737	2748	2769	2844	2895	2925		
10	3136	3049	2971	2863	2736	2648	2611	2586	2597	2585	2629	2669	2754	2888	2963	3041	3131		
15	3332	3183	3076	2936	2823	2813	2841	2893	2928	2891	2842	2809	2839	2938	3069	3173	3315		
20	3318	3181	3032	2947	2961	3096	3224	3319	3360	3322	3231	3112	2960	2922	3023	3162	3223		
25	3283	3155	2987	2976	3196	3399	3457	3441	3427	3445	3463	3412	3210	2972	2976	3121	3274		
30	3327	3133	2946	3116	3365	3409	3332	3269	3248	3276	3340	3418	3378	3117	2948	3106	3285		
35	3333	3094	2980	3216	3365	3271	3122	3029	2994	3032	3125	3273	3383	3245	2987	3101	3328		
40	3379	3087	3037	3289	3253	3031	2821	2695	2643	2688	2810	3019	3251	3313	3044	3103	3422		
45	3443	3059	3064	3223	3027	2692	2419	2264	2202	2254	2395	2654	2995	3237	3099	3089	3507		
50	3507	3031	3058	3044	2650	2226	1926	1782	1735	1782	1911	2183	2595	3021	3096	3075	3599		
55	3548	2990	2938	2677	2117	1673	1449	1362	1340	1372	1453	1655	2054	2638	2959	3066	3694		
60	3565	2883	2620	2096	1473	1159	1024	1014	1017	1030	1045	1153	1425	2028	2638	2919	3758		
65	3558	2520	1954	1320	916	815	813	829	834	835	826	826	889	1253	1927	2535	3780		
70	3301	1778	1063	728	630	629	634	642	638	641	635	630	628	692	1024	1741	3395		
75	2077	792	475	442	424	417	391	369	352	364	382	406	411	425	448	742	1983		
80	588	272	247	227	210	199	181	169	156	166	175	188	196	210	227	249	549		
85	178	144	107	82.6	68.7	60.3	54.9	49.6	42.4	47.5	51.1	54.6	61.5	75.1	98.6	133	164		
90	139	110	74.0	48.0	33.1	24.4	18.1	12.9	8.69	12.3	17.1	23.4	32.2	47.4	73.2	109	139		
95	129	104	71.4	48.0	34.1	25.7	19.5	14.4	10.9	13.8	18.7	25.0	33.5	47.4	70.3	102	129		
100	102	84.9	61.6	44.1	33.2	26.2	20.9	16.3	13.7	15.8	20.4	26.0	33.1	44.0	61.3	85.2	105		
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: