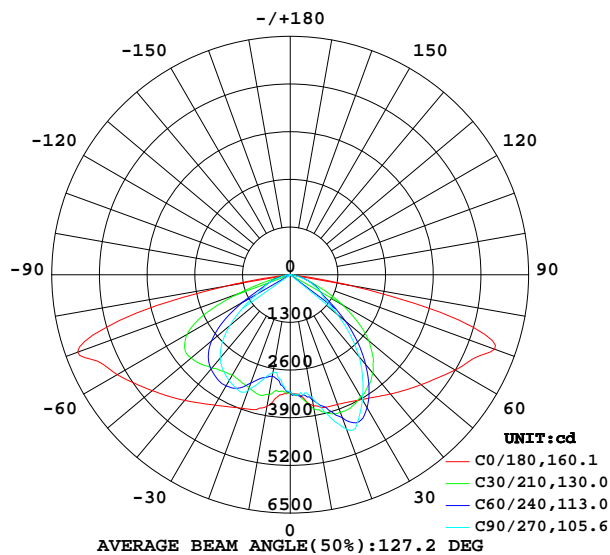
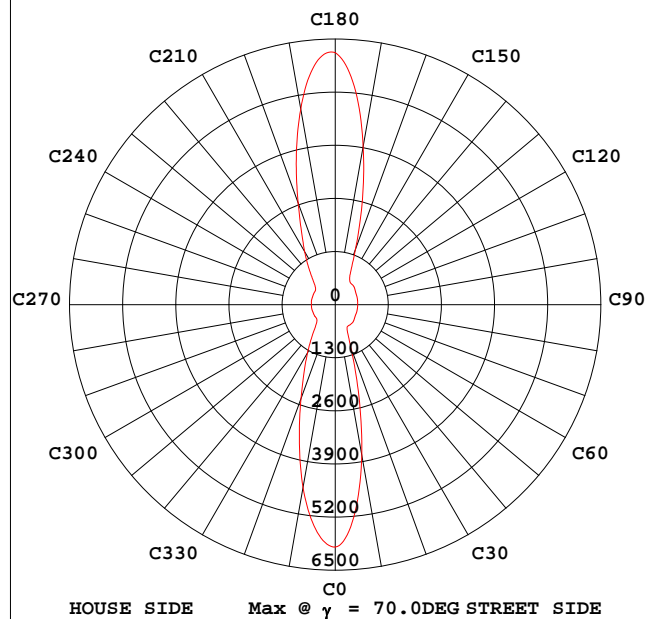


STREETLIGHT PHOTOMETRIC TEST REPORT

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 1M 3030	Imax(cd)	6168	η street_up(%)	0.2	
NOMINAL POWER(W)	120	LOR(%)	100.0	η street_down(%)	48.7	
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	13200	η house_up(%)	0.2	
NOMINAL FLUX(lm)	13200	MAXIMUM @ (C, γ)	180,70.0	η house_down(%)	50.8	
LAMPS INSIDE	1	η up(%)	0.4	76 FLASHAREA(m2)	0.05000	
TEST VOLTAGE(V)	220.1	η down(%)	99.6	SLI	24.455	

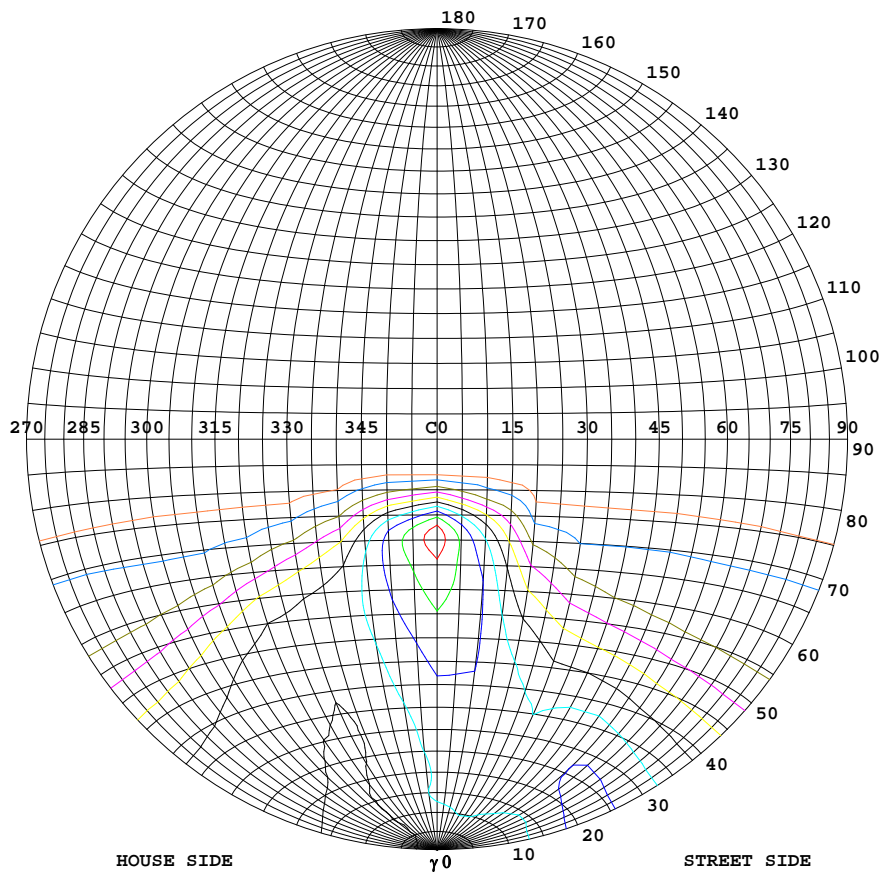
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:



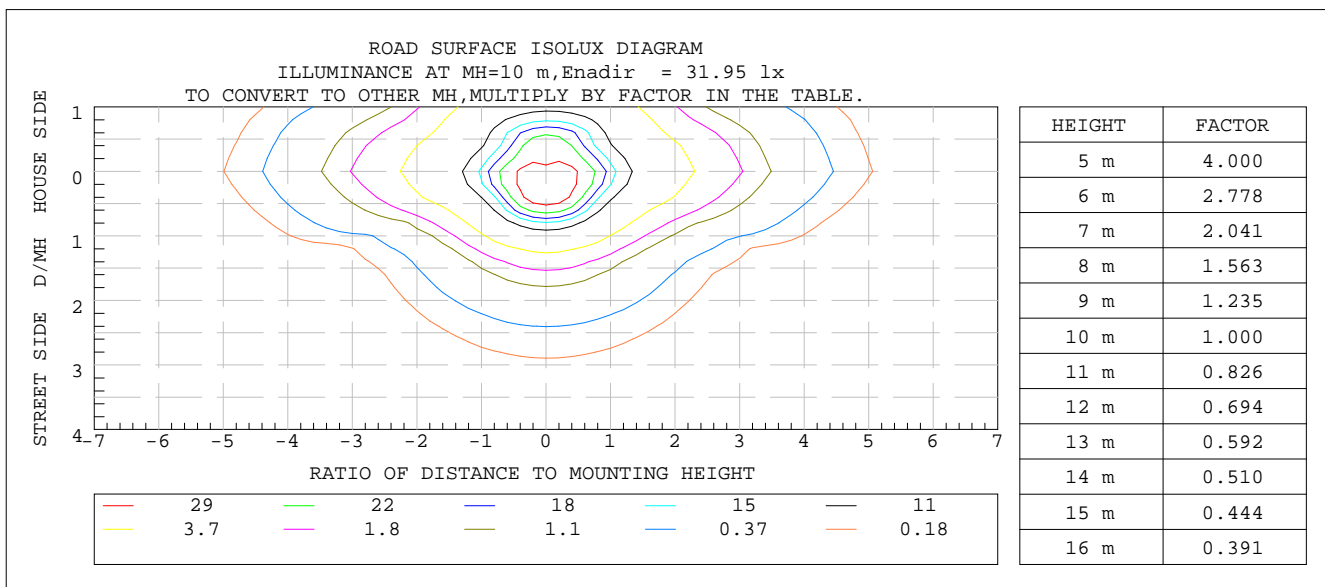
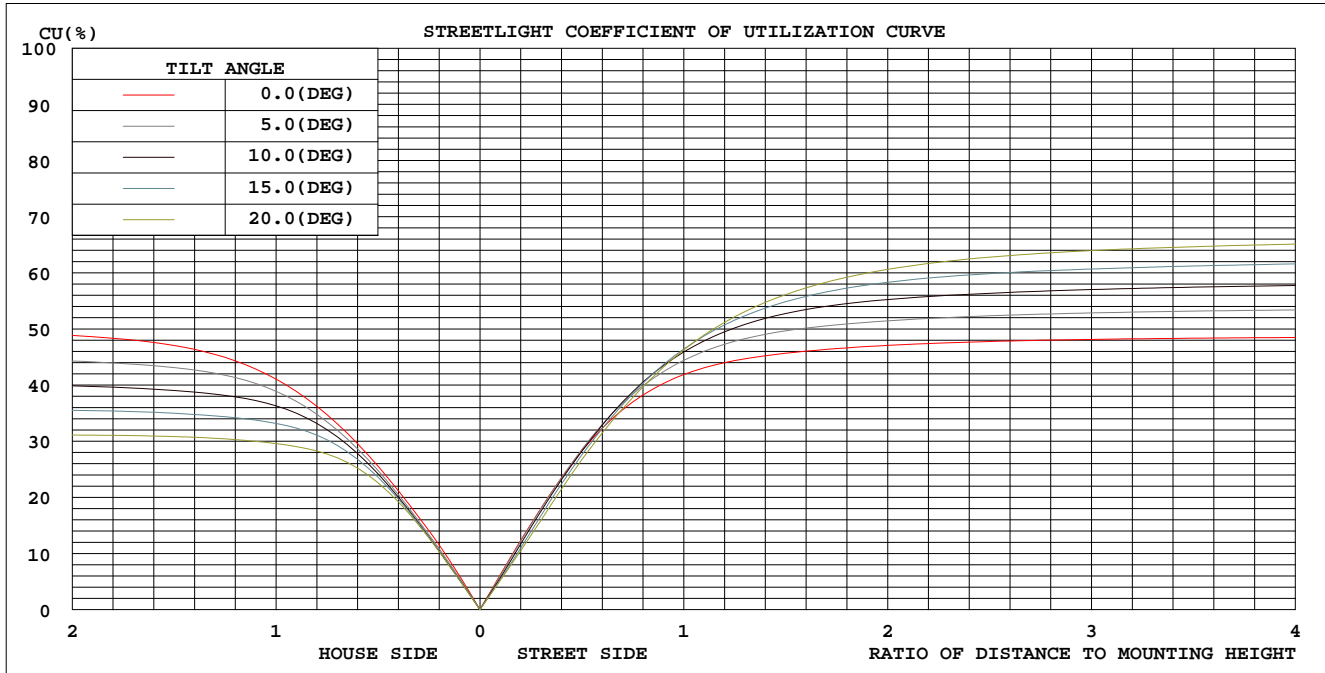
Classification:

IES:Type V - Medium
 CIE:Narrow - Long
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:131.0cd/klm
 Max.At90:11.67cd/klm
 Max.80-90:131.0cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	6168
90%	5551
80%	4934
70%	4317
60%	3701
50%	3084
40%	2467
30%	1850
20%	1234
10%	617
5%	308

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:

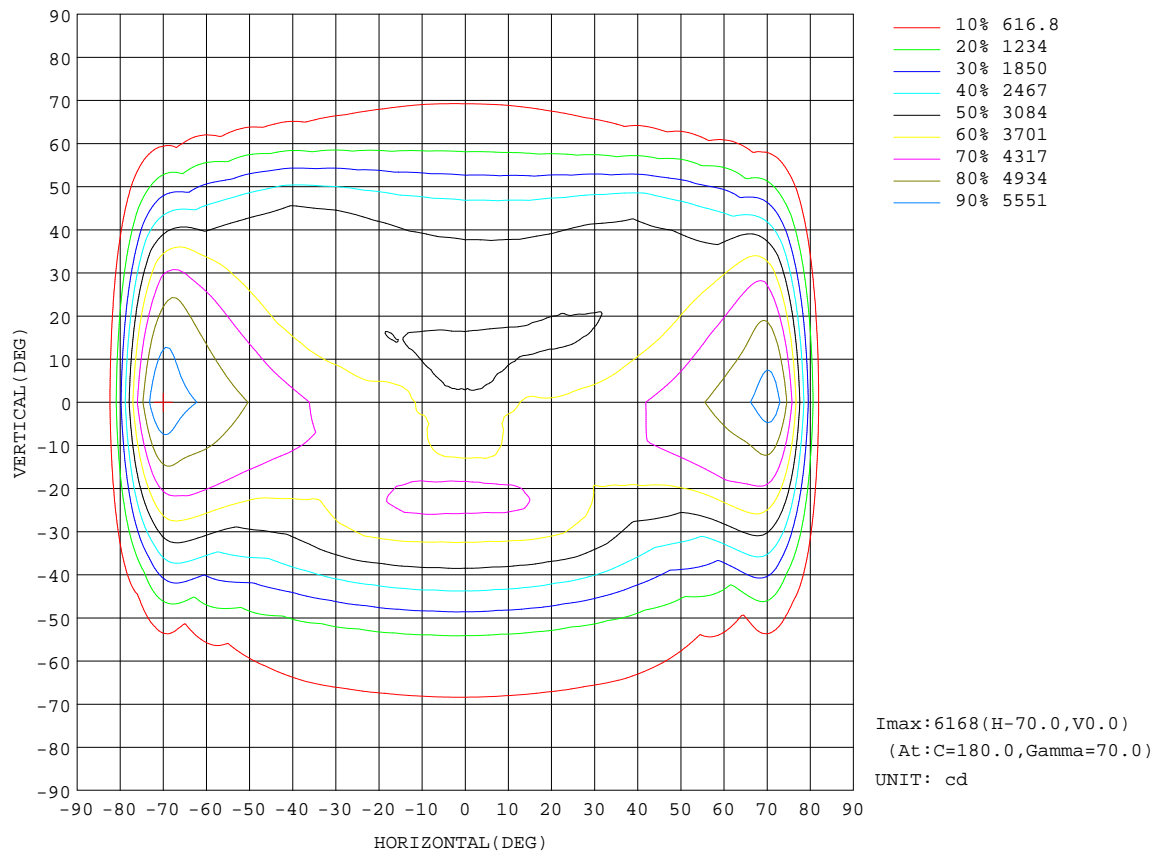
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	3629	3556	3395	3536	3633	3025	2707	3011	0- 10	309.2	309.2	2.34,2.34
20	3764	3958	4474	4044	3874	3079	3354	2972	10- 20	1006	1315	9.96,9.96
30	3927	4093	3935	4196	4106	3341	3331	3192	20- 30	1744	3060	23.2,23.2
40	4246	3495	2921	3595	4475	3586	2968	3388	30- 40	2269	5329	40.4,40.4
50	4661	2365	1671	2488	4916	3437	2147	3178	40- 50	2498	7827	59.3,59.3
60	5193	1143	956.0	1241	5447	2410	1048	2164	50- 60	2316	10143	76.8,76.8
70	5930	602.9	551.6	633.2	6168	762.9	585.1	690.7	60- 70	1849	11992	90.8,90.8
80	1571	182.6	132.2	201.8	1729	222.8	149.9	199.0	70- 80	1010	13002	98.5,98.5
90	10.87	42.92	8.885	39.83	13.27	39.78	8.611	40.39	80- 90	139.5	13141	99.6,99.6
100	14.89	40.91	13.95	37.61	15.49	36.58	13.45	38.17	90-100	56.41	13198	100,100
110	0	0	0	0	0	0	0	0	100-110	2.500	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

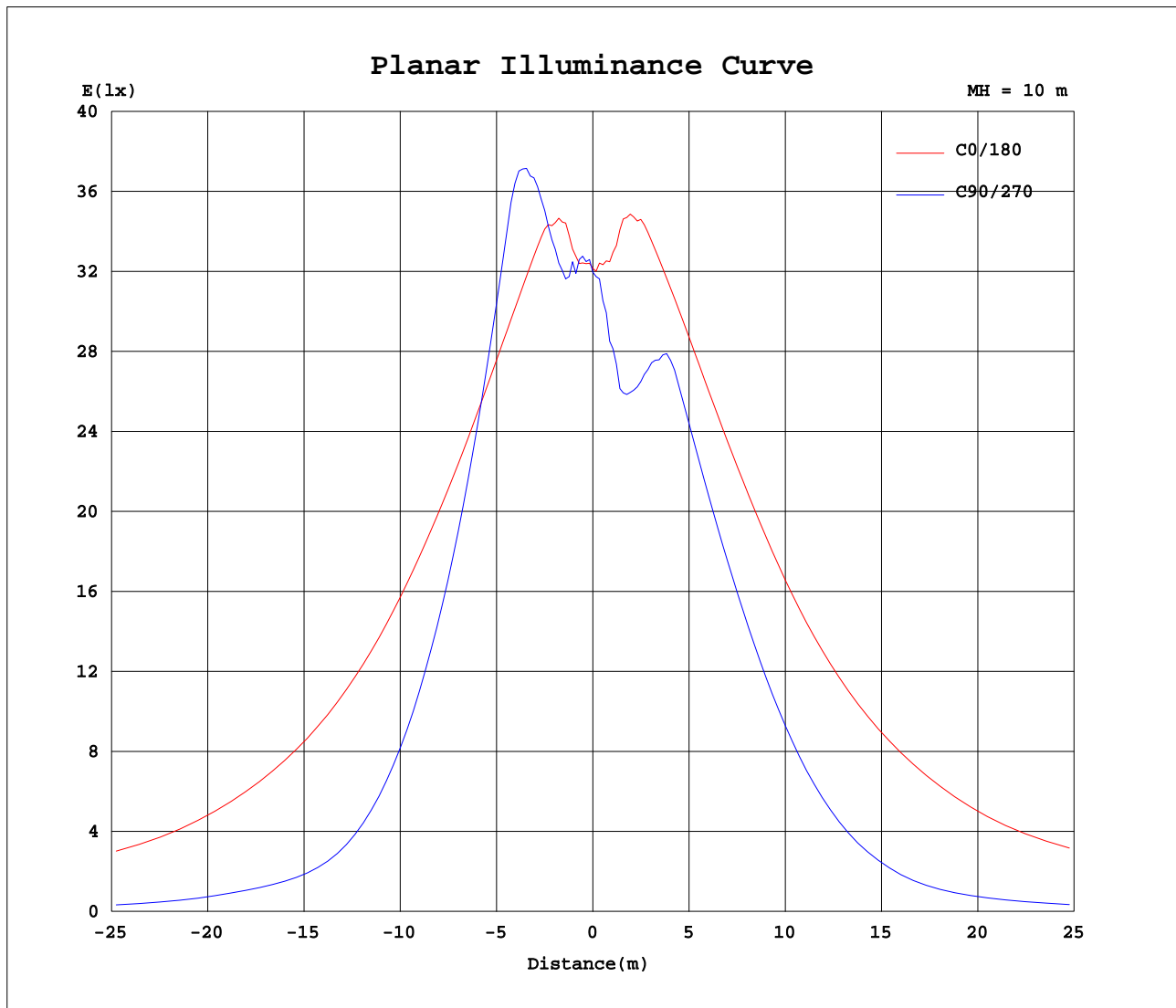
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:



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



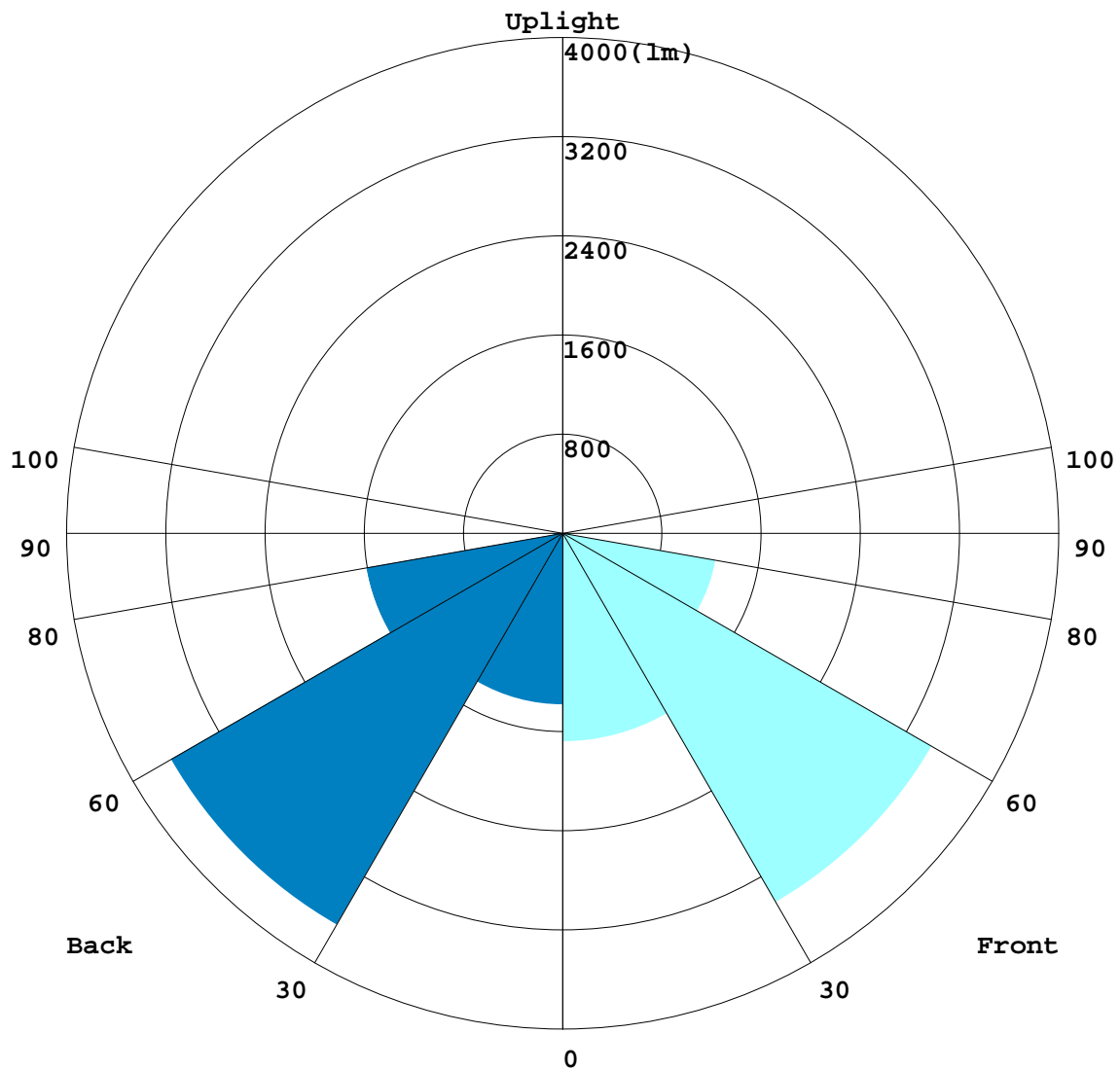
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2017.10.31

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)	1678.8	12.7
FM - Front-Medium(30-60)	3435.9	26.0
FH - Front-High(60-80)	1252.5	9.5
FVH - Front-Very High(80-90)	64.259	0.5
Total Forward Light	6461.4	48.9

BL - Back-Low(0-30)	1380.9	10.5
BM - Back-Medium(30-60)	3647.3	27.6
BH - Back-High(60-80)	1606.5	12.2
BVH - Back-Very High(80-90)	75.246	0.6
Total Back Light	6739	51.1

UL - Uplight-Low(90-100)	56.407	0.4
UH - Uplight-High(100-180)	2.5	0.0
Total Up Light	58.907	0.4

BUG(Back,Up,Glare) Rating	B3-U3-G1
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	6710	28.942	6739
Street Side	6431.5	29.966	6461.4

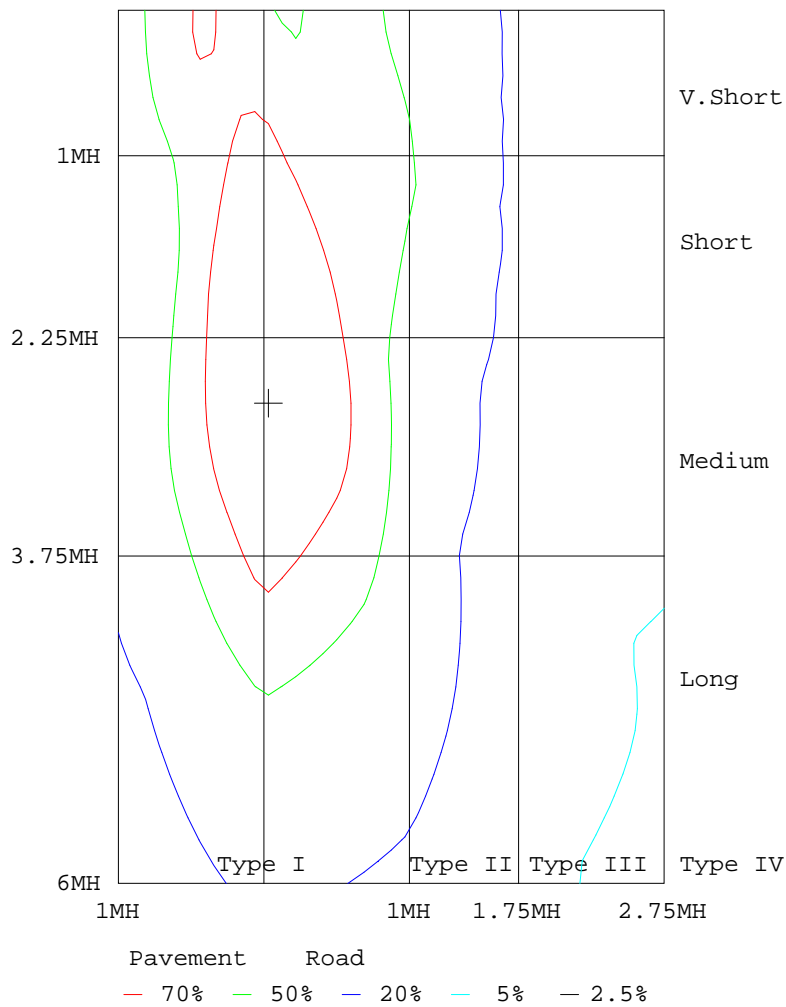
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017.10.31

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	3215	3211	3198	3202	3188	3197	3185	3198	3183	3197	3184	3199	3187	3195	3192	3197	3200	3196	3215
5	3313	3391	3379	3351	3365	3309	3345	3290	3268	3227	3228	3301	3341	3293	3351	3328	3307	3351	3286
10	3629	3657	3716	3715	3604	3508	3472	3427	3397	3395	3383	3412	3442	3471	3602	3721	3719	3637	3633
15	3741	3886	3952	3906	3881	3770	3739	3809	3906	3951	3919	3876	3792	3806	3927	3984	4008	3950	3810
20	3764	4003	3983	3995	3923	3993	4149	4318	4434	4474	4461	4353	4254	4074	4015	4083	4073	4078	3874
25	3826	3993	4030	3971	3952	4185	4424	4452	4396	4381	4414	4494	4506	4334	4058	4054	4135	4082	3974
30	3927	4117	4042	3837	3979	4206	4196	4059	3953	3935	3969	4088	4236	4290	4103	3962	4178	4238	4106
35	4066	4181	3988	3695	3827	3912	3743	3571	3464	3446	3475	3595	3779	3979	3956	3868	4136	4312	4274
40	4246	4275	3871	3506	3543	3448	3201	3038	2935	2921	2951	3067	3248	3512	3678	3691	4060	4420	4475
45	4445	4334	3731	3201	3090	2875	2600	2433	2329	2312	2344	2464	2650	2946	3241	3418	3913	4500	4686
50	4661	4366	3426	2794	2504	2225	1962	1792	1684	1671	1701	1824	2017	2314	2661	3066	3701	4570	4916
55	4906	4376	3031	2242	1870	1566	1339	1227	1171	1166	1181	1250	1384	1650	2050	2541	3371	4620	5171
60	5193	4348	2513	1644	1246	1039	964	962	954	956	959	972	985	1093	1390	1960	2897	4607	5447
65	5466	4198	1890	1062	817	809	798	755	743	746	748	767	814	832	887	1292	2289	4422	5696
70	5930	3752	1131	612	610	596	564	557	552	552	557	568	583	621	645	712	1462	3937	6168
75	4738	2493	454	393	385	377	357	342	318	315	324	355	374	398	410	422	565	2508	4825
80	1571	689	247	214	188	178	167	154	140	132	143	161	181	196	208	230	254	619	1729
85	67.6	187	147	106	74.3	58.9	49.3	46.5	41.1	37.3	42.8	50.0	54.1	65.0	79.2	108	145	184	89.6
90	10.9	154	126	83.4	51.6	34.2	24.5	17.9	12.6	8.88	12.2	17.2	23.4	32.2	47.5	75.0	113	141	13.3
95	12.5	144	119	80.0	51.2	35.3	26.0	19.5	14.2	11.2	13.7	18.6	24.5	32.8	47.0	72.3	107	133	13.2
100	14.9	118	99.3	69.5	47.1	34.7	26.9	21.2	16.2	14.0	15.6	20.0	25.1	32.0	43.2	62.7	88.8	107	15.5
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	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	3211	3198	3202	3188	3197	3185	3198	3183	3197	3184	3199	3187	3195	3192	3197	3200	3196		
5	3347	3255	3193	3125	3027	3014	2947	2881	2884	2902	2915	3006	3019	3076	3159	3237	3265		
10	3601	3457	3310	3117	2933	2811	2750	2713	2707	2703	2765	2796	2914	3109	3238	3351	3481		
15	3776	3560	3379	3151	2964	2911	2922	2955	2980	2942	2893	2873	2923	3061	3265	3439	3661		
20	3791	3530	3272	3103	3055	3141	3239	3325	3354	3301	3198	3090	2964	2981	3147	3378	3535		
25	3759	3504	3204	3088	3239	3417	3479	3461	3438	3433	3422	3341	3141	2957	3052	3304	3584		
30	3871	3495	3160	3235	3448	3503	3429	3365	3331	3332	3362	3397	3316	3069	2989	3269	3605		
35	3939	3490	3211	3405	3572	3468	3318	3227	3186	3192	3239	3336	3404	3236	3031	3270	3673		
40	4050	3539	3327	3586	3585	3357	3152	3026	2968	2984	3061	3208	3383	3392	3127	3301	3796		
45	4181	3588	3444	3652	3501	3162	2874	2702	2627	2653	2766	2987	3277	3421	3237	3337	3919		
50	4349	3658	3535	3617	3257	2801	2444	2236	2147	2183	2326	2616	3011	3344	3303	3385	4061		
55	4533	3700	3513	3339	2783	2241	1854	1655	1577	1608	1740	2062	2536	3084	3250	3426	4226		
60	4728	3672	3250	2784	2036	1491	1200	1091	1048	1062	1132	1354	1806	2521	3011	3353	4374		
65	4885	3396	2610	1820	1150	869	784	779	774	771	766	804	1021	1596	2382	3102	4523		
70	4864	2657	1505	895	630	597	589	592	585	585	577	575	587	794	1358	2455	4545		
75	3565	1369	595	443	412	400	379	359	340	350	363	377	385	405	528	1209	3321		
80	1243	379	255	233	213	202	177	165	150	158	165	184	191	207	225	319	1057		
85	198	159	115	89.4	73.7	64.0	56.4	51.8	43.9	48.5	51.4	56.1	63.7	78.9	105	147	181		
90	140	113	74.8	47.3	32.3	23.8	17.7	12.7	8.61	12.2	17.2	23.5	32.4	48.4	77.5	119	151		
95	130	106	71.4	46.4	32.7	24.7	18.9	14.1	10.8	13.7	18.7	24.8	33.2	47.9	74.2	111	140		
100	103	85.2	60.3	41.9	31.3	9.98	20.1	15.8	13.5	15.6	20.2	25.5	32.4	43.9	63.8	91.9	114		
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: