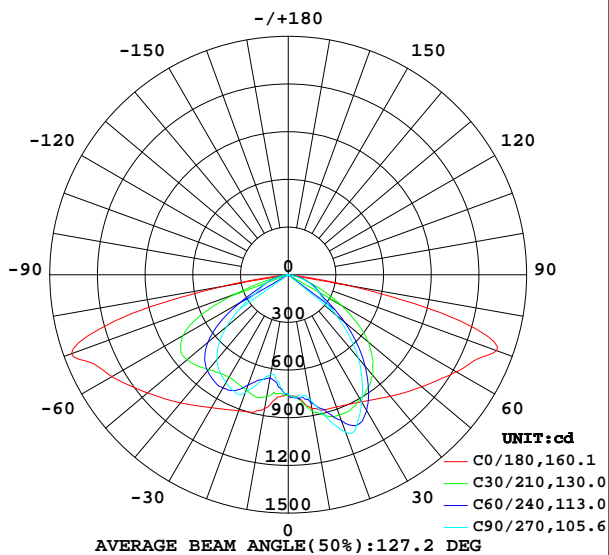
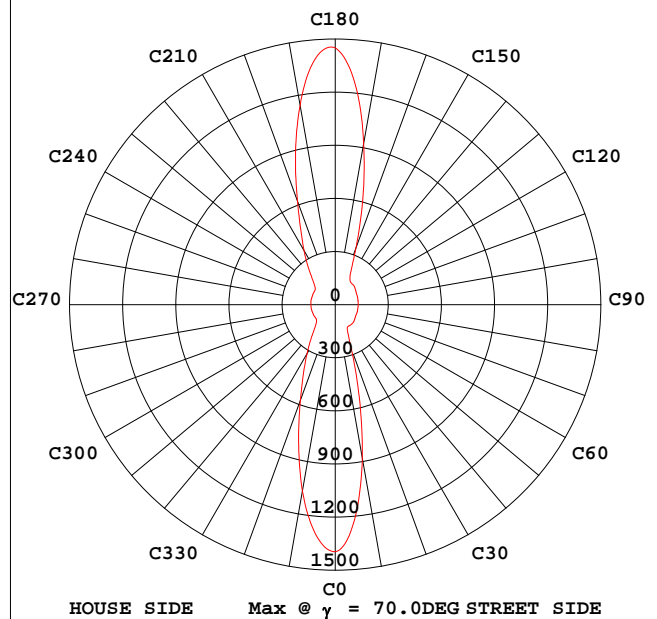


STREETLIGHT PHOTOMETRIC TEST REPORT

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

DATA OF LAMP		PHOTOMETRIC DATA Eff: 115.00 lm/W			
MODEL	LD27LMA 1M 3030	Imax(cd)	1451	η street_up(%)	0.2
NOMINAL POWER(W)	27	LOR(%)	100.0	η street_down(%)	48.7
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	3105	η house_up(%)	0.2
NOMINAL FLUX(lm)	3105	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	22.375

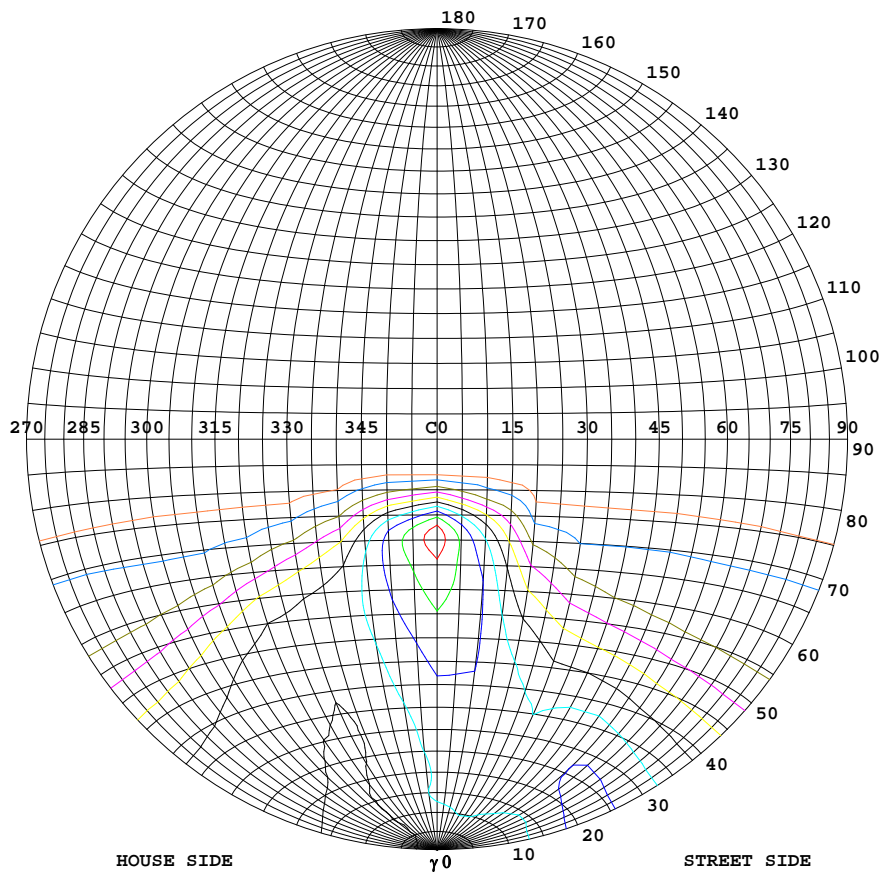
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:



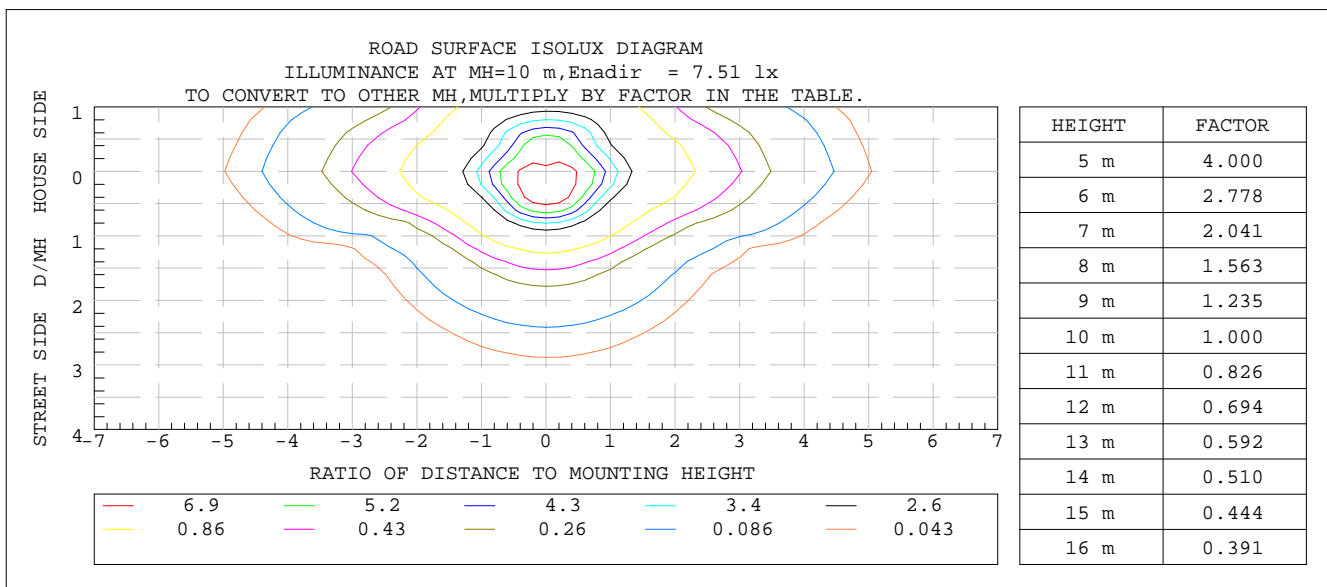
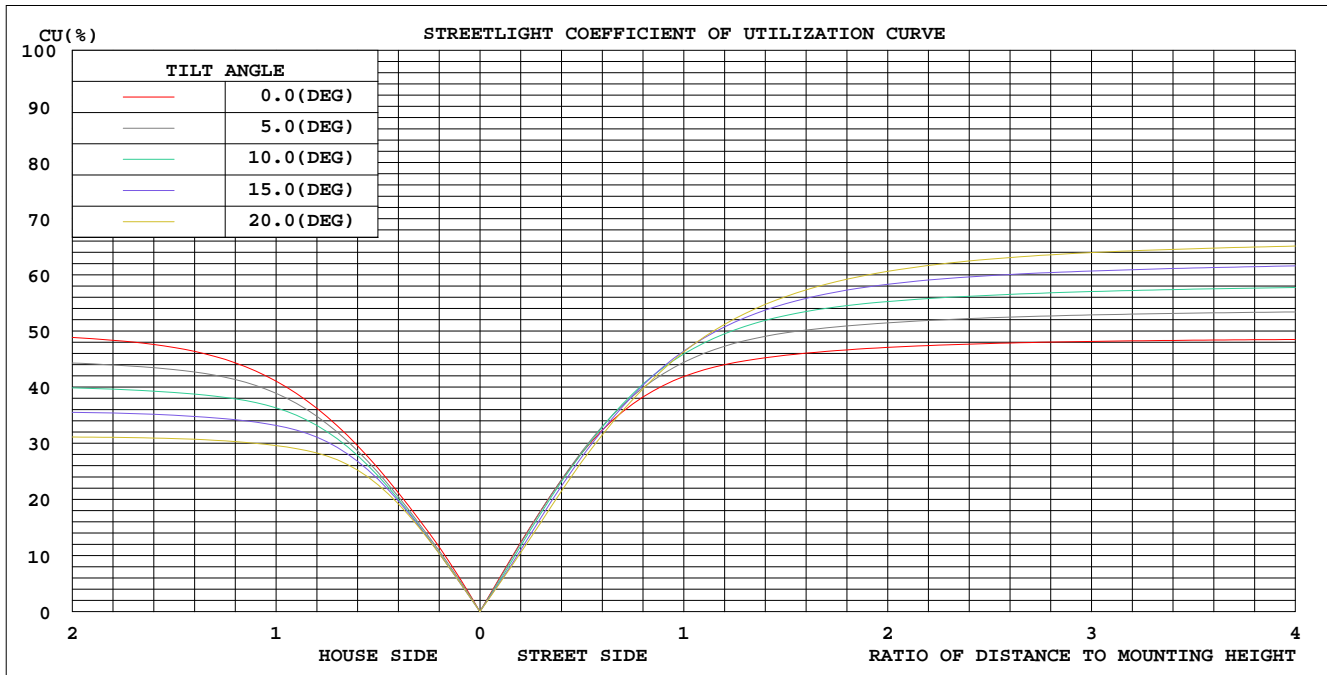
Classification:

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%	1451
90%	1306
80%	1161
70%	1016
60%	870
50%	725
40%	580
30%	435
20%	290
10%	145
5%	73

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:

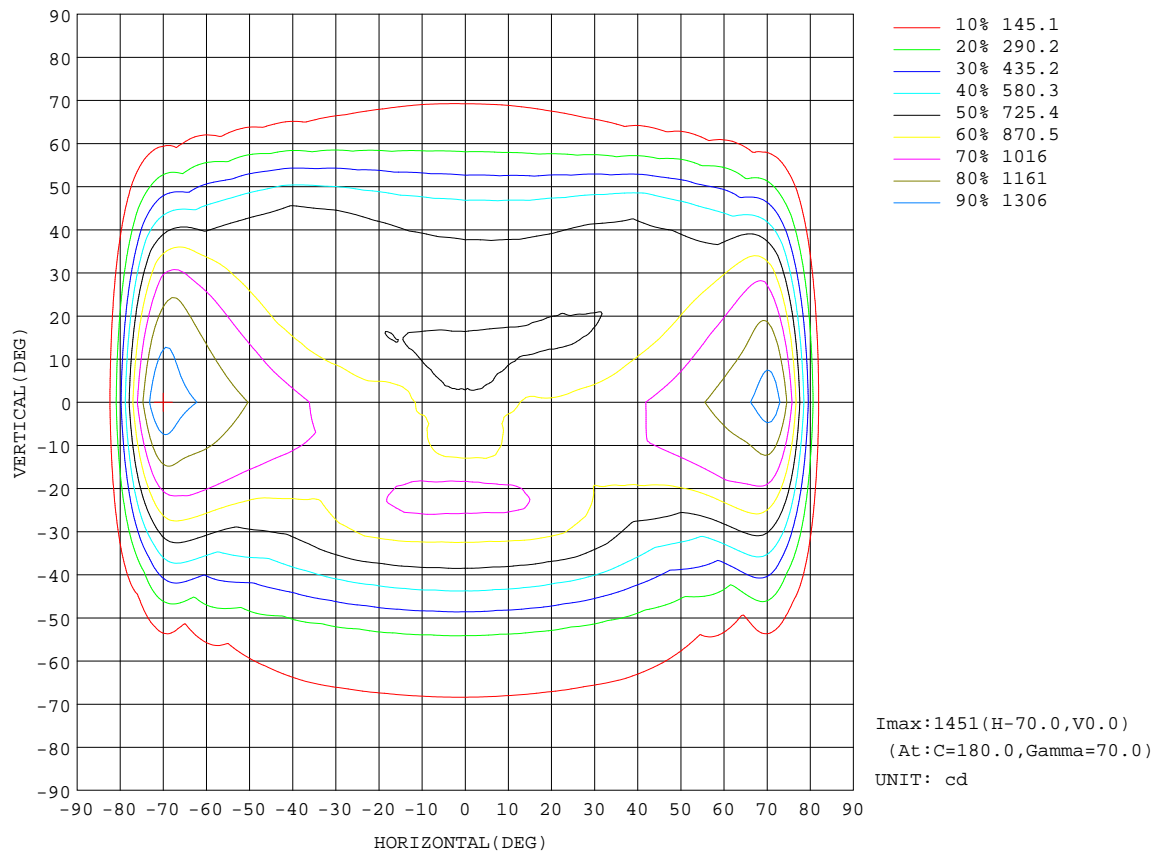
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	853.6	836.5	798.5	831.9	854.5	711.5	636.7	708.4	0- 10	72.73	72.73	2.34,2.34
20	885.5	931.1	1053	951.3	911.2	724.2	789.1	699.2	10- 20	236.7	309.4	9.96,9.96
30	923.7	962.7	925.6	987.1	965.9	786.0	783.6	750.9	20- 30	410.3	719.7	23.2,23.2
40	998.8	822.2	687.0	845.6	1053	843.4	698.1	796.8	30- 40	533.8	1254	40.4,40.4
50	1096	556.3	393.1	585.2	1156	808.4	505.1	747.4	40- 50	587.5	1841	59.3,59.3
60	1222	268.8	224.9	292.0	1281	566.9	246.4	509.0	50- 60	544.9	2386	76.8,76.8
70	1395	141.8	129.7	148.9	1451	179.5	137.6	162.5	60- 70	434.8	2821	90.8,90.8
80	369.5	42.95	31.10	47.47	406.8	52.41	35.27	46.82	70- 80	237.7	3058	98.5,98.5
90	2.556	10.10	2.090	9.369	3.122	9.358	2.025	9.501	80- 90	32.82	3091	99.6,99.6
100	3.502	9.623	3.282	8.847	3.643	8.604	3.164	8.978	90-100	13.27	3105	100,100
110	0	0	0	0	0	0	0	0	100-110	0.5881	3105	100,100
120	0	0	0	0	0	0	0	0	110-120	0	3105	100,100
130	0	0	0	0	0	0	0	0	120-130	0	3105	100,100
140	0	0	0	0	0	0	0	0	130-140	0	3105	100,100
150	0	0	0	0	0	0	0	0	140-150	0	3105	100,100
160	0	0	0	0	0	0	0	0	150-160	0	3105	100,100
170	0	0	0	0	0	0	0	0	160-170	0	3105	100,100
180	0	0	0	0	0	0	0	0	170-180	0	3105	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

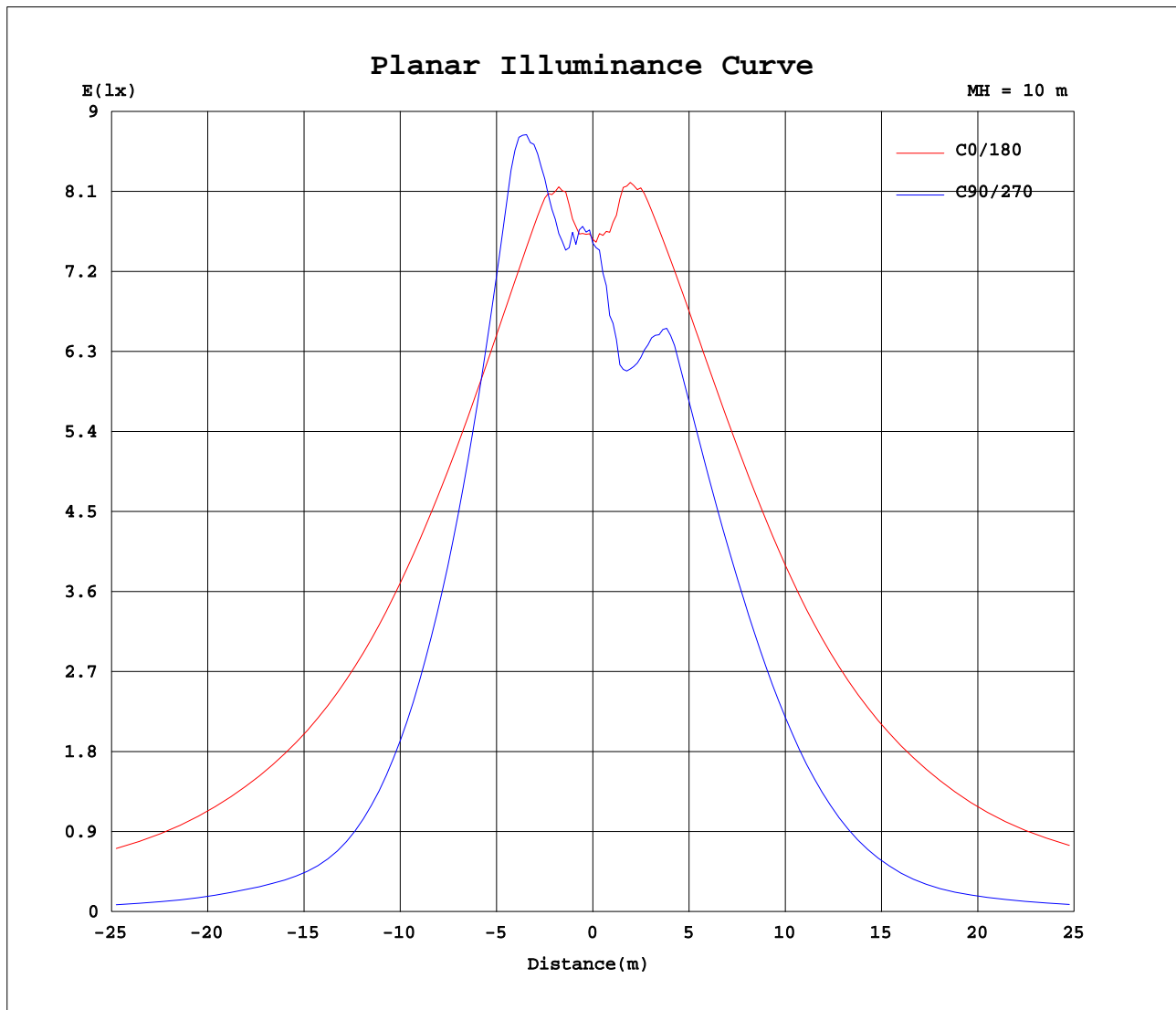
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:



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



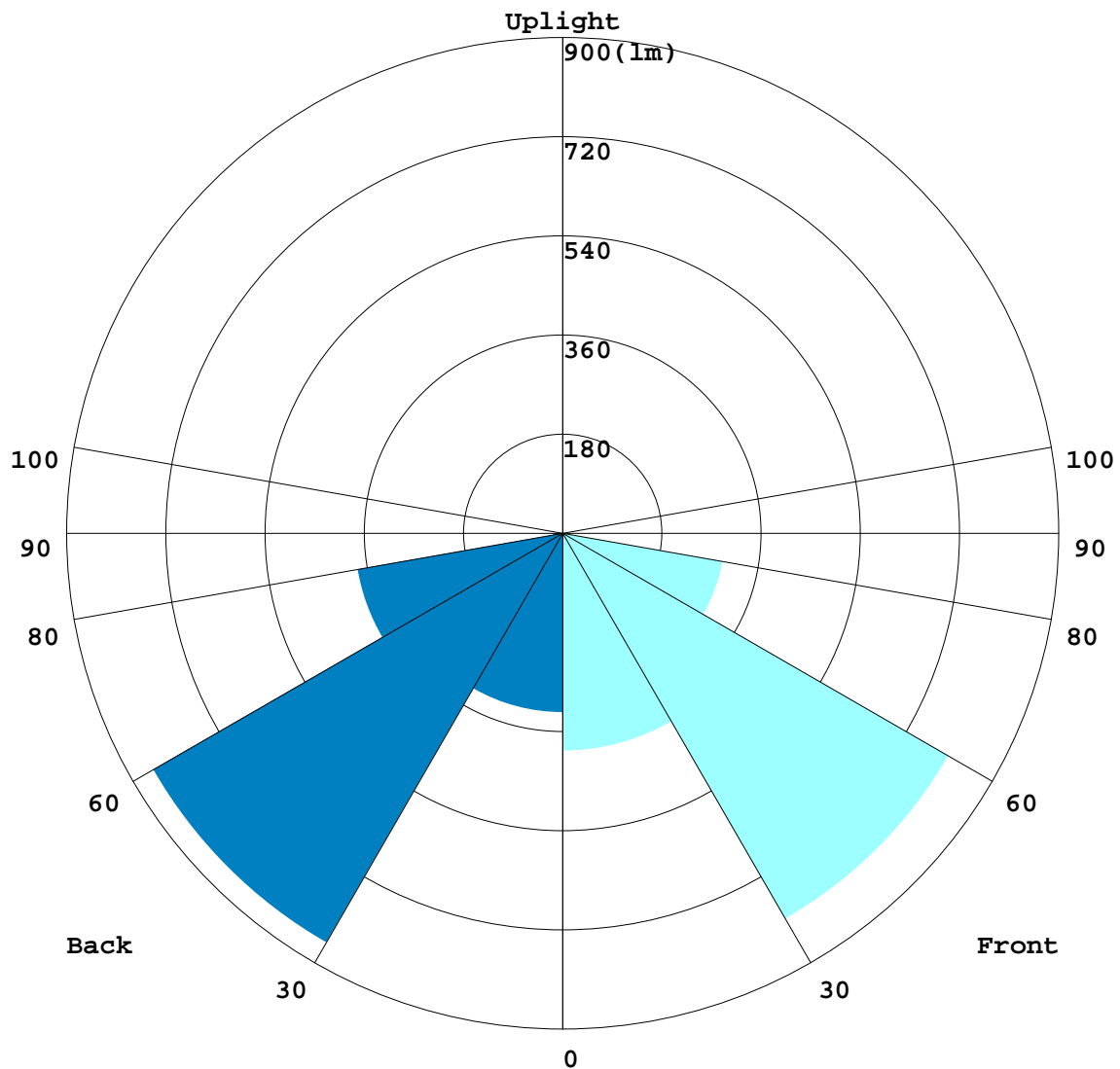
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2017.10.31

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)	394.9	12.7
FM - Front-Medium(30-60)	808.22	26.0
FH - Front-High(60-80)	294.62	9.5
FVH - Front-Very High(80-90)	15.116	0.5
Total Forward Light	1519.9	48.9

BL - Back-Low(0-30)	324.83	10.5
BM - Back-Medium(30-60)	857.94	27.6
BH - Back-High(60-80)	377.9	12.2
BVH - Back-Very High(80-90)	17.7	0.6
Total Back Light	1585.2	51.1

UL - Uplight-Low(90-100)	13.269	0.4
UH - Uplight-High(100-180)	0.58806	0.0
Total Up Light	13.857	0.4

BUG(Back,Up,Glare) Rating	B1-U2-G1
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1578.4	6.8079	1585.2
Street Side	1512.9	7.0487	1519.9

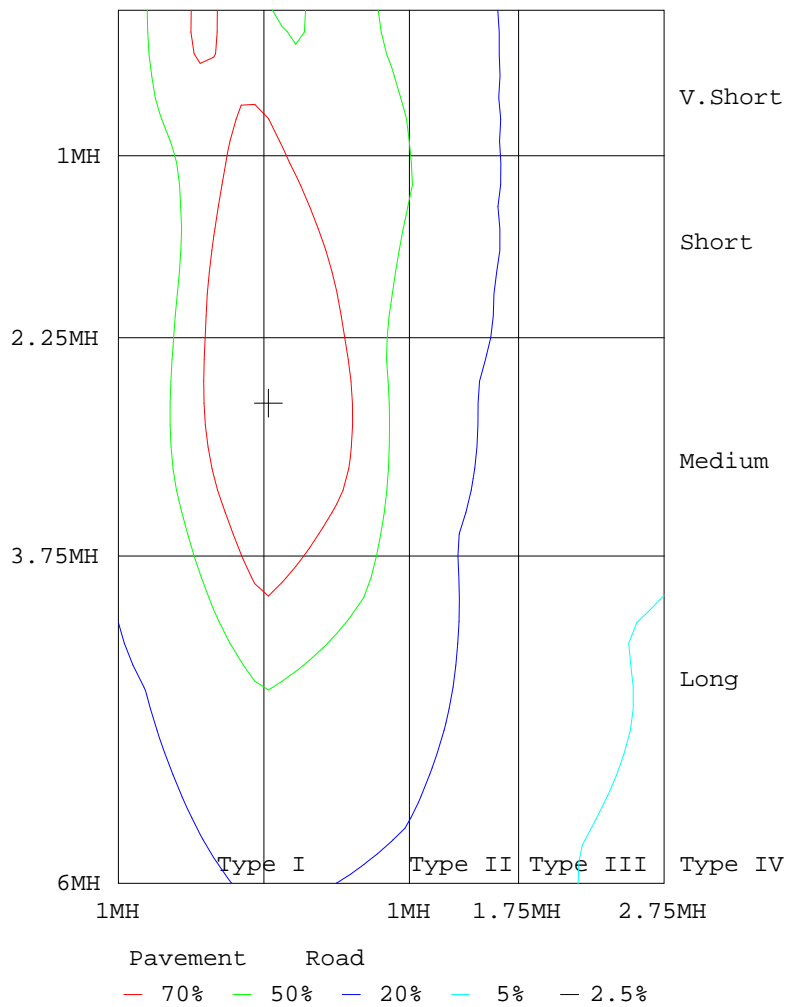
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017.10.31

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	756	755	752	753	750	752	749	752	749	752	749	752	750	752	751	752	753	752	756
5	779	798	795	788	791	778	787	774	769	759	759	777	786	774	788	783	778	788	773
10	854	860	874	874	848	825	817	806	799	798	796	803	810	816	847	875	875	855	855
15	880	914	930	919	913	887	880	896	919	929	922	912	892	895	924	937	943	929	896
20	885	942	937	940	923	939	976	1016	1043	1053	1049	1024	1001	958	944	960	958	959	911
25	900	939	948	934	930	984	1041	1047	1034	1030	1038	1057	1060	1019	955	954	973	960	935
30	924	968	951	903	936	989	987	955	930	926	934	962	996	1009	965	932	983	997	966
35	956	983	938	869	900	920	880	840	815	811	818	846	889	936	930	910	973	1014	1005
40	999	1006	911	825	833	811	753	715	690	687	694	721	764	826	865	868	955	1040	1053
45	1045	1020	878	753	727	676	612	572	548	544	551	580	623	693	762	804	921	1058	1102
50	1096	1027	806	657	589	523	461	421	396	393	400	429	474	544	626	721	871	1075	1156
55	1154	1029	713	527	440	368	315	289	275	274	278	294	325	388	482	598	793	1087	1216
60	1222	1023	591	387	293	244	227	226	224	225	226	229	232	257	327	461	682	1084	1281
65	1286	988	445	250	192	190	188	178	175	175	176	180	192	196	209	304	539	1040	1340
70	1395	883	266	144	144	140	133	131	130	130	131	134	137	146	152	168	344	926	1451
75	1115	586	107	92.4	90.5	88.7	83.9	80.4	74.8	74.0	76.2	83.5	88.1	93.6	96.3	99.2	133	590	1135
80	369	162	58.1	50.4	44.1	41.8	39.3	36.1	32.9	31.1	33.7	37.8	42.5	46.1	48.9	54.1	59.7	146	407
85	15.9	44.0	34.7	24.9	17.5	13.9	11.6	10.9	9.68	8.79	10.1	11.8	12.7	15.3	18.6	25.4	34.2	43.2	21.1
90	2.56	36.2	29.8	19.6	12.1	8.06	5.76	4.20	2.96	2.09	2.88	4.05	5.50	7.57	11.2	17.6	26.6	33.3	3.12
95	2.94	33.8	27.9	18.8	12.0	8.31	6.12	4.58	3.35	2.64	3.22	4.37	5.77	7.73	11.1	17.0	25.2	31.2	3.11
100	3.50	27.7	23.4	16.4	11.1	8.16	6.33	4.98	3.82	3.28	3.67	4.69	5.90	7.54	10.2	14.7	20.9	25.1	3.64
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) γ (DEC)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	755	752	753	750	752	749	752	749	752	749	752	750	752	751	752	753	752		
5	787	766	751	735	712	709	693	678	678	683	686	707	710	724	743	761	768		
10	847	813	779	733	690	661	647	638	637	636	650	658	685	731	762	788	819		
15	888	837	795	741	697	685	687	695	701	692	681	676	688	720	768	809	861		
20	892	830	770	730	719	739	762	782	789	776	752	727	697	701	740	795	832		
25	884	824	754	726	762	804	818	814	809	808	805	786	739	695	718	777	843		
30	911	822	743	761	811	824	807	791	784	784	791	799	780	722	703	769	848		
35	926	821	755	801	840	816	781	759	749	751	762	785	801	761	713	769	864		
40	953	833	783	844	843	790	741	712	698	702	720	755	796	798	736	776	893		
45	983	844	810	859	823	744	676	636	618	624	651	703	771	805	761	785	922		
50	1023	861	831	851	766	659	575	526	505	513	547	615	708	787	777	796	955		
55	1066	870	826	785	655	527	436	389	371	378	409	485	597	726	764	806	994		
60	1112	864	765	655	479	351	282	257	246	250	266	319	425	593	708	789	1029		
65	1149	799	614	428	271	204	185	183	182	181	180	189	240	375	560	730	1064		
70	1144	625	354	211	148	140	139	139	138	138	136	135	138	187	320	578	1069		
75	839	322	140	104	96.8	94.0	89.2	84.5	79.9	82.3	85.4	88.7	90.5	95.4	124	284	781		
80	292	89.2	60.0	54.8	50.0	47.6	41.6	38.8	35.3	37.2	38.8	43.3	45.0	48.6	52.9	75.2	249		
85	46.6	37.3	27.0	21.0	17.3	15.1	13.3	12.2	10.3	11.4	12.1	13.2	15.0	18.6	24.7	34.6	42.7		
90	32.9	26.5	17.6	11.1	7.59	5.59	4.16	2.98	2.03	2.88	4.05	5.52	7.62	11.4	18.2	27.9	35.5		
95	30.6	24.9	16.8	10.9	7.68	5.82	4.45	3.32	2.55	3.23	4.40	5.83	7.82	11.3	17.4	26.2	33.0		
100	24.1	20.0	14.2	9.85	7.36	2.35	4.73	3.71	3.16	3.67	4.75	6.00	7.63	10.3	15.0	21.6	26.9		
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		
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: