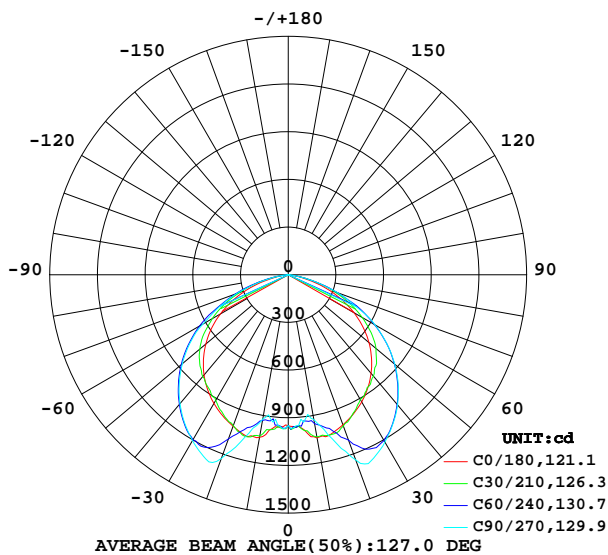
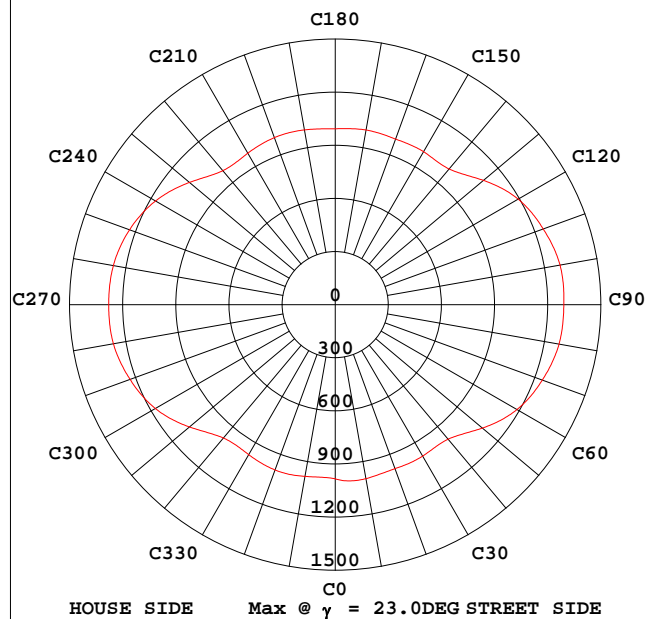


## STREETLIGHT PHOTOMETRIC TEST REPORT

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

DATA OF LAMP		PHOTOMETRIC DATA Eff: 130.00 lm/W			
MODEL	LD27LMA 5S 3030	Imax(cd)	1291	$\eta$ street_up(%)	0.2
NOMINAL POWER(W)	27	LOR(%)	100.0	$\eta$ street_down(%)	49.8
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	3510	$\eta$ house_up(%)	0.2
NOMINAL FLUX(lm)	3510	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	19.333

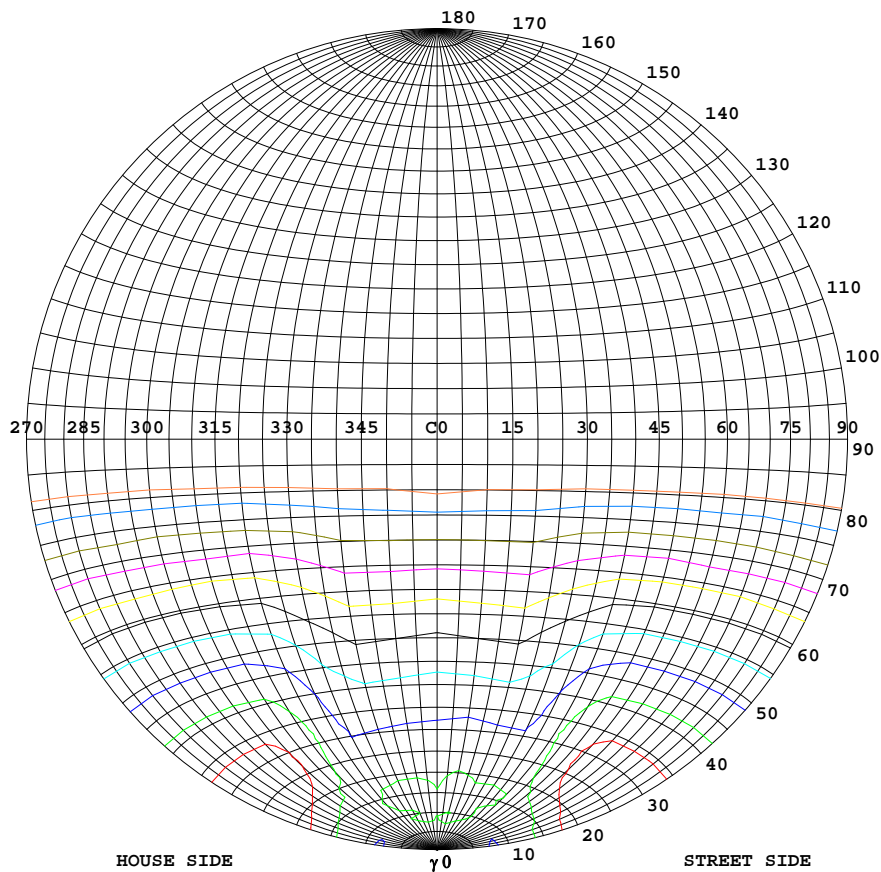
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

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:



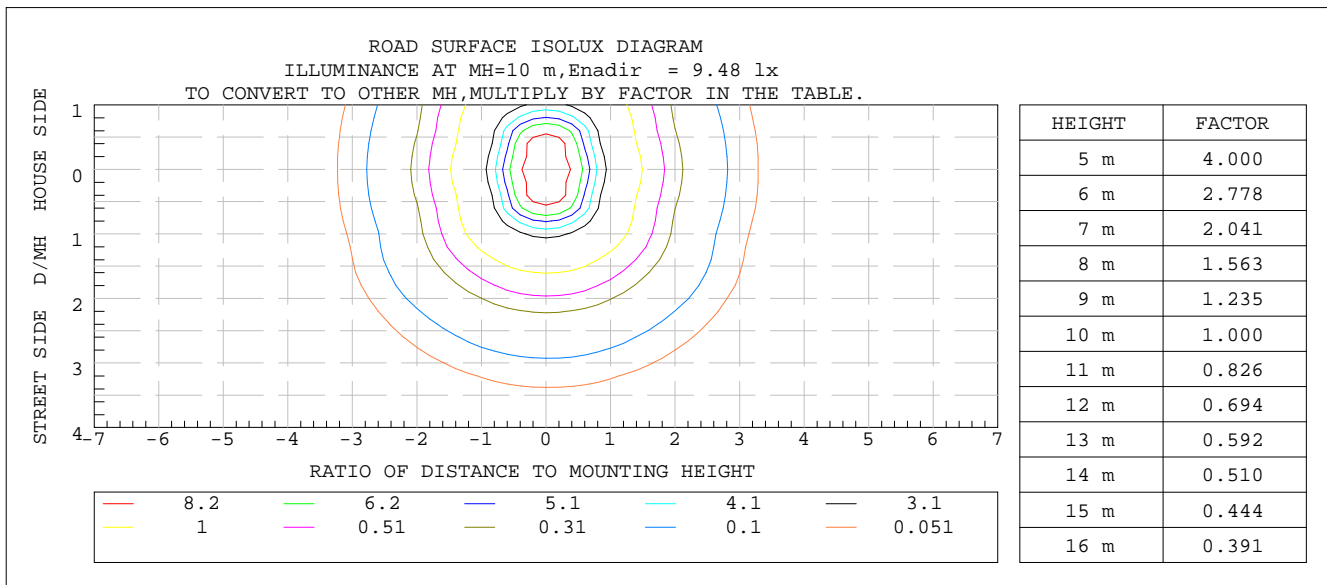
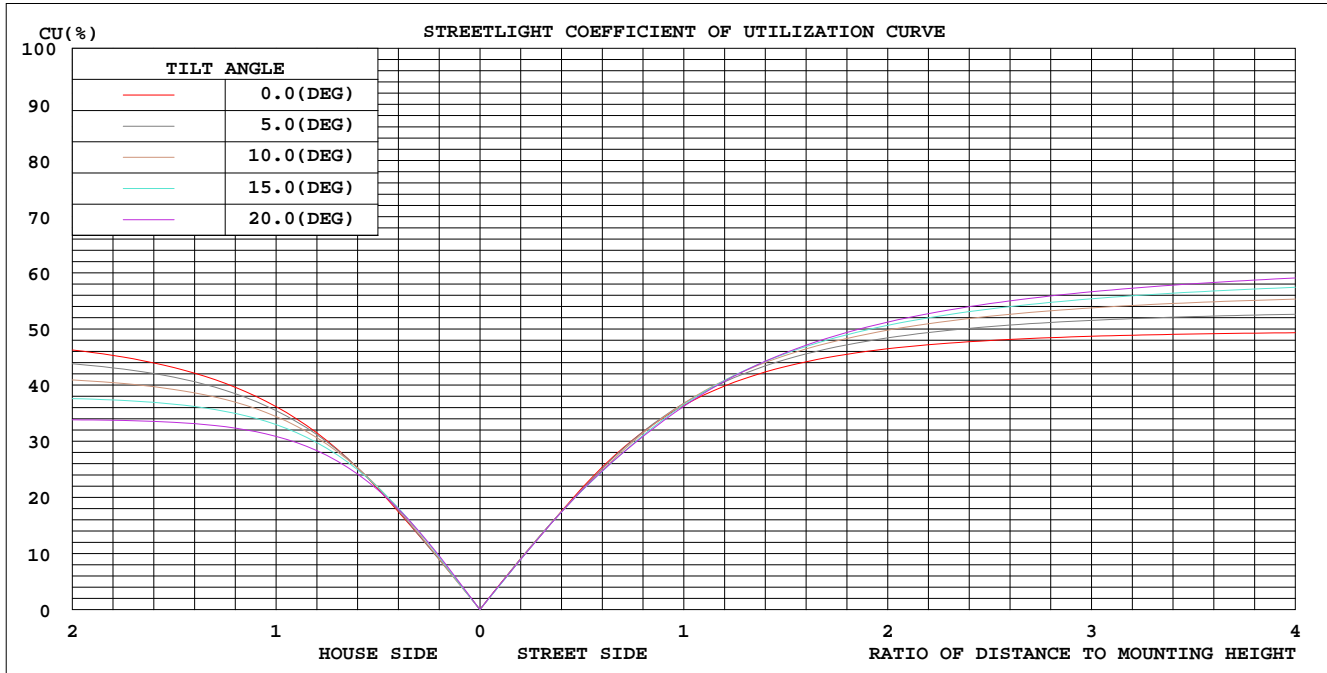
## Classification:

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%	1291
90%	1162
80%	1033
70%	903
60%	774
50%	645
40%	516
30%	387
20%	258
10%	129
5%	65

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:

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:

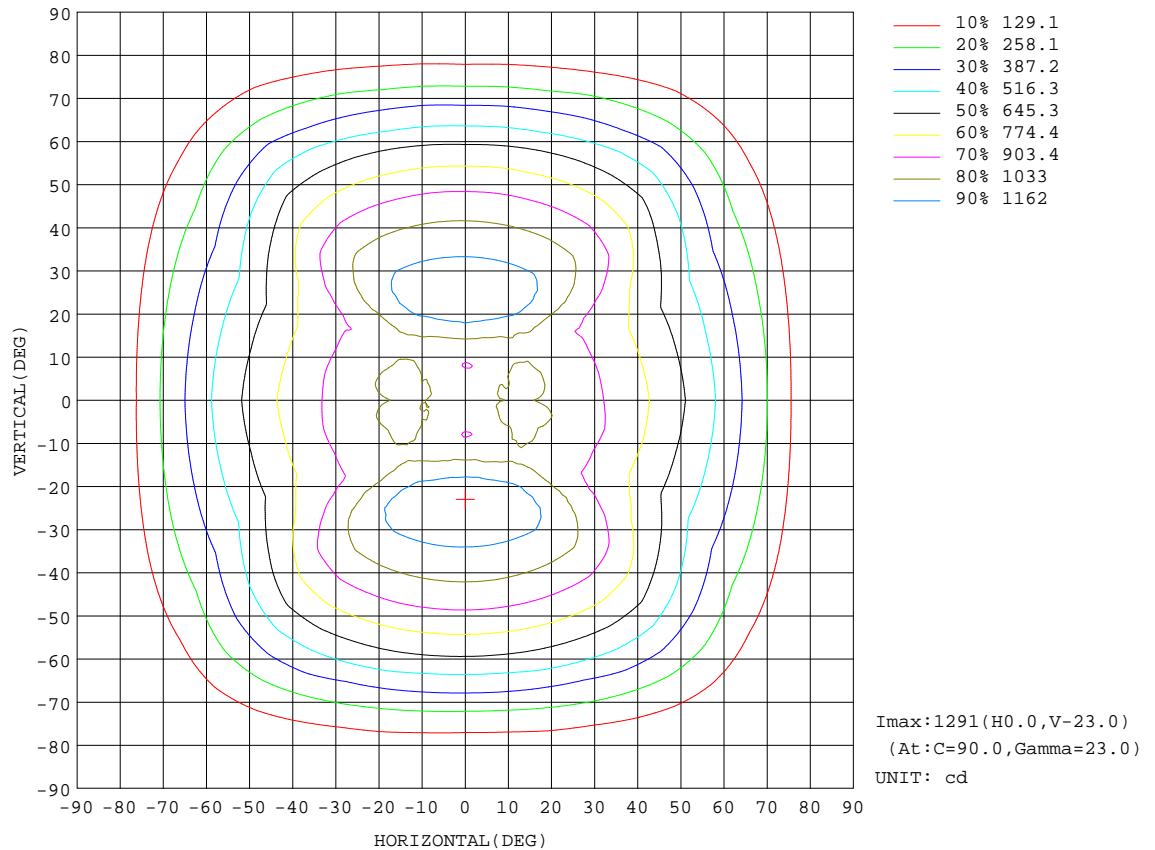
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum,lamp
10	1042	982.8	924.9	968.8	1038	966.9	921.9	980.6	0- 10	92.07	92.07	2.62,2.62
20	1005	1022	1240	1032	1015	1022	1230	1017	10- 20	295.1	387.2	11,11
30	924.2	1074	1216	1087	935.3	1069	1205	1067	20- 30	504.0	891.2	25.4,25.4
40	811.0	1018	1070	1033	824.2	1019	1060	1012	30- 40	637.4	1529	43.5,43.5
50	662.9	854.1	874.1	867.9	676.4	863.4	869.8	850.7	40- 50	678.5	2207	62.9,62.9
60	476.8	622.2	629.8	637.0	492.3	639.2	620.5	625.1	50- 60	615.8	2823	80.4,80.4
70	260.2	335.6	329.0	351.4	275.8	357.9	345.3	343.2	60- 70	443.6	3267	93.1,93.1
80	51.50	73.32	69.77	83.32	61.90	93.33	85.34	83.80	70- 80	201.3	3468	98.8,98.8
90	1.178	8.711	2.587	8.537	1.449	8.417	2.723	8.336	80- 90	30.41	3498	99.7,99.7
100	1.915	8.758	4.273	8.591	2.063	8.725	4.486	8.694	90-100	11.25	3509	100,100
110	0	0	0	0	0	0	0	0	100-110	0.5402	3510	100,100
120	0	0	0	0	0	0	0	0	110-120	0	3510	100,100
130	0	0	0	0	0	0	0	0	120-130	0	3510	100,100
140	0	0	0	0	0	0	0	0	130-140	0	3510	100,100
150	0	0	0	0	0	0	0	0	140-150	0	3510	100,100
160	0	0	0	0	0	0	0	0	150-160	0	3510	100,100
170	0	0	0	0	0	0	0	0	160-170	0	3510	100,100
180	0	0	0	0	0	0	0	0	170-180	0	3510	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

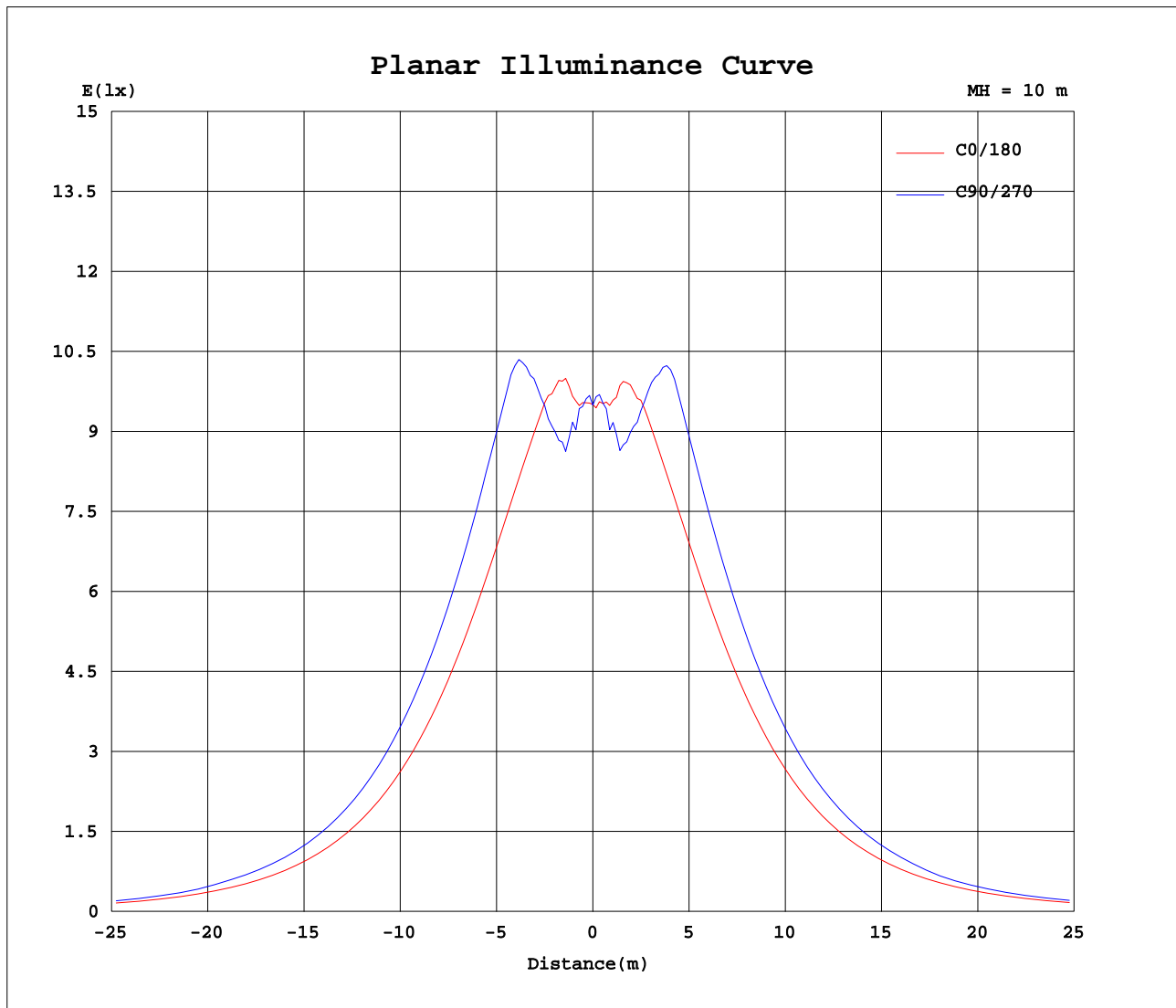
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:



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



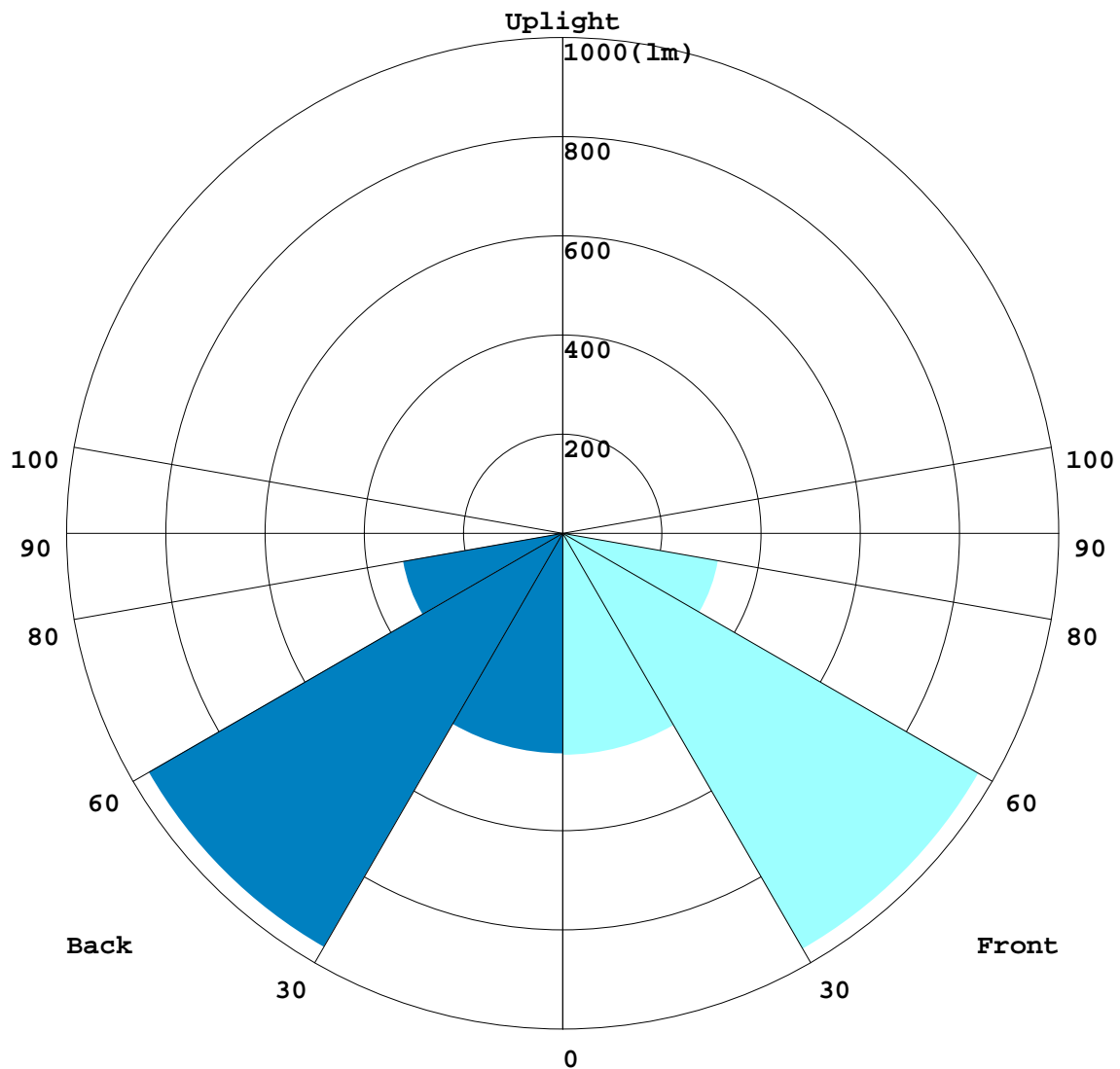
C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2017.10.31

$\gamma$  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

$\gamma$  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:

### 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)	447.01	12.7
FM - Front-Medium(30-60)	968.19	27.6
FH - Front-High(60-80)	318.33	9.1
FVH - Front-Very High(80-90)	14.135	0.4
Total Forward Light	1753.6	50.0

BL - Back-Low(0-30)	444.21	12.7
BM - Back-Medium(30-60)	963.55	27.5
BH - Back-High(60-80)	326.53	9.3
BVH - Back-Very High(80-90)	16.274	0.5
Total Back Light	1756.4	50.0

UL - Uplight-Low(90-100)	11.25	0.3
UH - Uplight-High(100-180)	0.54022	0.0
Total Up Light	11.79	0.3

BUG(Back,Up,Glare) Rating	B1-U2-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1750.6	5.8478	1756.4
Street Side	1747.7	5.9422	1753.6

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

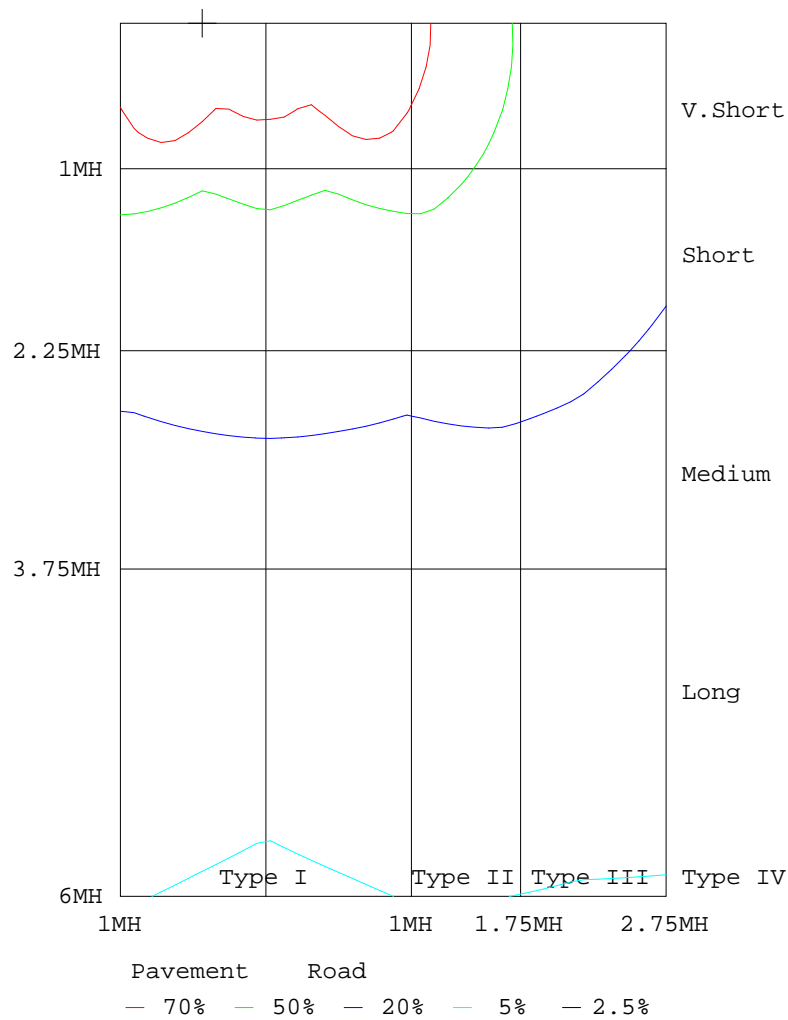
γ Range: 0 - 100DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.480m [K=1.0000]  
Remarks:



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	951	950	949	948	949	948	949	948	949	949	948	949	947	951	949	953	955	955	951
5	968	994	974	973	965	953	957	927	924	913	909	939	950	940	966	966	958	992	960
10	1042	1030	1044	1036	999	966	951	940	926	925	918	929	937	944	993	1029	1042	1024	1038
15	1038	1073	1063	1042	1030	1003	1002	1025	1058	1068	1056	1037	1000	997	1029	1048	1064	1078	1047
20	1005	1041	1014	1013	1000	1044	1106	1176	1224	1240	1226	1176	1125	1051	1013	1021	1022	1052	1015
25	968	980	972	964	996	1095	1210	1260	1271	1272	1272	1266	1219	1125	1006	974	982	988	979
30	924	944	925	908	1008	1139	1205	1214	1215	1216	1217	1218	1211	1152	1022	924	937	953	935
35	872	875	862	867	1000	1116	1145	1146	1148	1148	1149	1150	1151	1129	1020	889	870	883	884
40	811	806	790	834	977	1059	1066	1068	1069	1070	1070	1072	1073	1068	998	850	801	815	824
45	741	727	720	786	916	973	974	976	978	979	979	982	983	986	936	800	727	737	755
50	663	644	631	721	837	871	872	872	872	874	875	880	881	884	852	741	650	658	676
55	575	558	545	637	731	756	756	756	756	758	760	764	765	770	747	652	562	572	590
60	477	464	453	538	616	629	626	628	629	630	633	636	637	642	632	559	473	479	492
65	369	362	354	427	480	491	487	477	469	468	472	487	497	501	496	448	373	378	387
70	260	257	254	305	338	333	328	328	327	329	331	335	337	349	354	325	270	272	276
75	144	153	153	184	193	195	185	186	185	185	188	191	192	207	207	202	170	169	161
80	51.5	65.3	66.1	73.9	72.2	74.4	73.4	71.2	68.9	69.8	70.9	76.9	79.6	85.7	80.9	84.2	76.7	78.5	61.9
85	4.48	26.8	25.3	20.4	15.5	13.5	12.0	12.2	11.3	11.2	11.7	13.5	14.1	16.3	18.7	23.6	27.5	29.8	8.67
90	1.18	25.0	22.6	15.8	10.3	7.13	5.37	4.17	3.25	2.59	3.22	4.15	5.32	7.03	10.0	15.2	21.2	23.8	1.45
95	1.49	24.5	21.7	15.3	10.2	7.46	5.88	4.77	3.87	3.37	3.83	4.72	5.81	7.34	10.0	14.7	20.5	23.5	1.63
100	1.91	21.9	19.3	13.9	9.85	7.67	6.37	5.42	4.59	4.27	4.56	5.37	6.31	7.56	9.63	13.3	18.1	20.9	2.06
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	950	949	948	949	948	949	948	949	949	948	949	947	951	949	953	955	955		
5	995	984	975	971	933	951	938	925	914	926	933	955	948	965	975	984	987		
10	1065	1043	1031	986	947	931	927	919	922	920	939	940	960	1002	1023	1023	1042		
15	1076	1060	1053	1024	994	996	1022	1046	1060	1047	1021	998	998	1014	1049	1055	1083		
20	1054	1031	1011	1005	1039	1098	1164	1214	1230	1214	1163	1099	1030	1003	998	1018	1010		
25	978	988	968	993	1094	1200	1254	1263	1261	1261	1251	1199	1095	985	955	969	976		
30	943	929	912	1006	1132	1199	1208	1206	1205	1203	1203	1194	1132	1003	900	913	924		
35	877	865	872	1002	1114	1142	1141	1139	1138	1136	1136	1134	1106	996	868	848	859		
40	809	800	837	981	1056	1066	1064	1062	1060	1058	1057	1057	1047	977	829	784	796		
45	737	729	788	924	978	978	975	973	971	970	967	967	966	915	781	708	725		
50	658	646	726	848	879	879	875	874	870	870	867	868	866	835	719	631	644		
55	570	560	648	743	767	767	764	762	757	758	756	757	754	731	635	548	558		
60	480	472	551	634	644	644	640	632	620	627	631	632	630	620	545	461	463		
65	379	378	447	504	509	492	485	485	478	481	477	479	494	488	434	361	362		
70	273	274	324	362	353	353	350	352	345	347	343	344	342	344	312	262	257		
75	169	174	201	220	220	212	207	209	203	206	202	203	208	206	187	161	154		
80	77.3	79.0	87.3	92.6	94.1	96.6	90.2	89.2	85.3	86.7	86.0	89.8	85.7	81.9	78.5	69.7	67.1		
85	28.7	27.3	24.1	22.2	20.1	20.5	19.3	18.9	17.1	17.8	17.7	17.6	16.7	18.2	20.7	25.1	27.0		
90	23.0	20.4	14.4	9.76	7.07	5.50	4.38	3.46	2.72	3.36	4.26	5.38	6.96	9.71	14.6	21.2	24.9		
95	22.7	19.8	14.1	9.88	7.49	6.06	5.01	4.11	3.54	4.03	4.91	5.97	7.40	9.83	14.2	20.5	24.4		
100	20.3	17.7	13.0	9.66	7.79	6.63	5.71	4.88	4.49	4.82	5.63	6.57	7.73	9.65	13.2	18.3	21.9		
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: