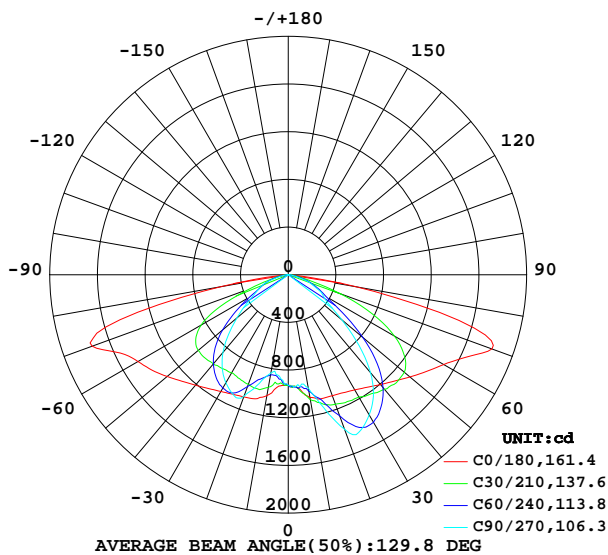
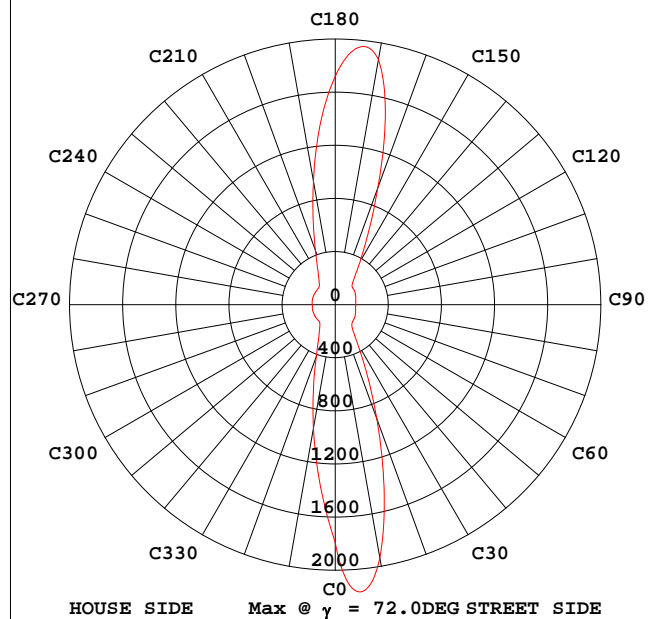


STREETLIGHT PHOTOMETRIC TEST REPORT

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

DATA OF LAMP		PHOTOMETRIC DATA Eff: 115.00 lm/W			
MODEL	LD37LMA 2M 3030	Imax(cd)	1936	η street_up(%)	0.2
NOMINAL POWER(W)	37	LOR(%)	100.0	η street_down(%)	55.0
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	4255	η house_up(%)	0.2
NOMINAL FLUX(lm)	4255	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	23.029

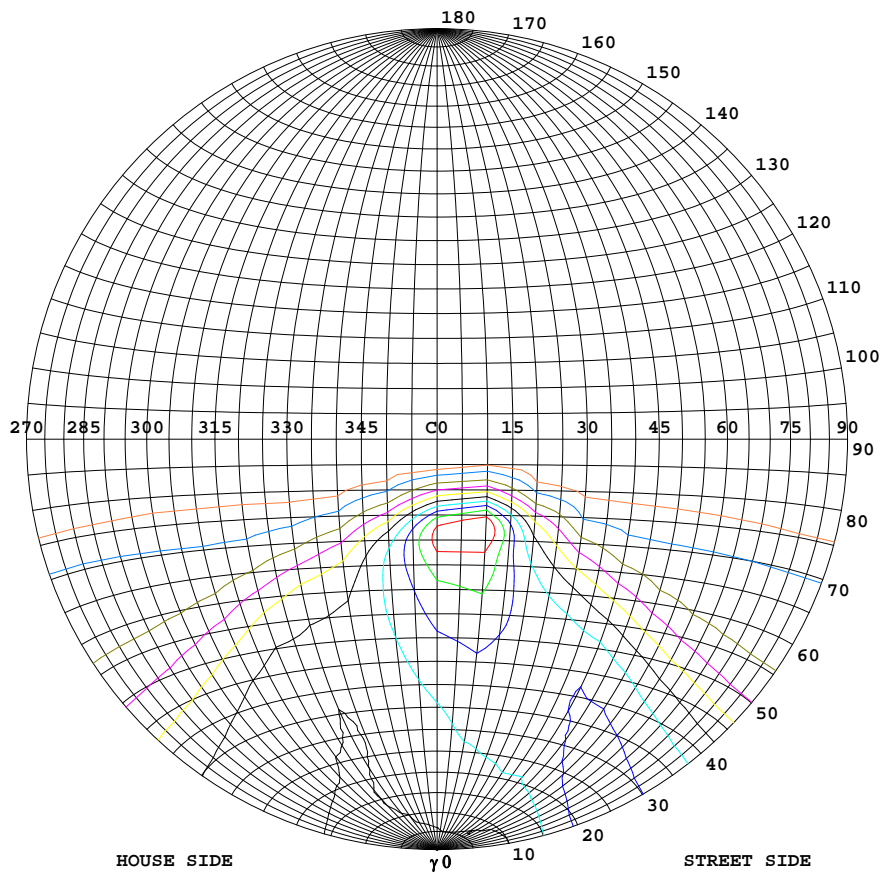
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:

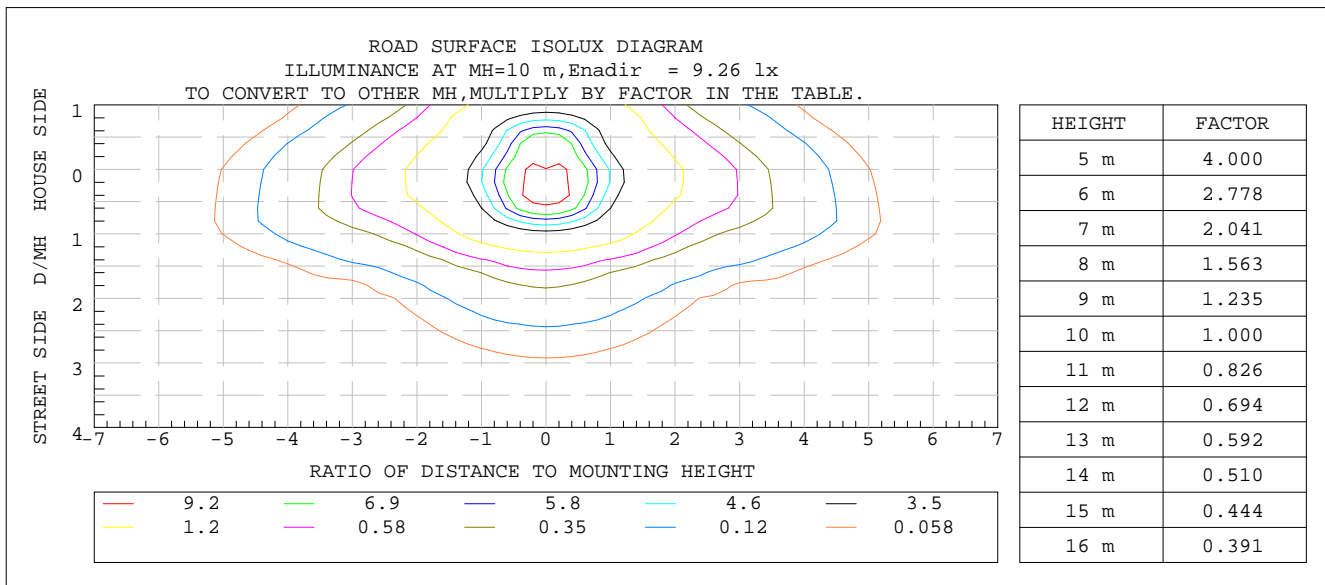
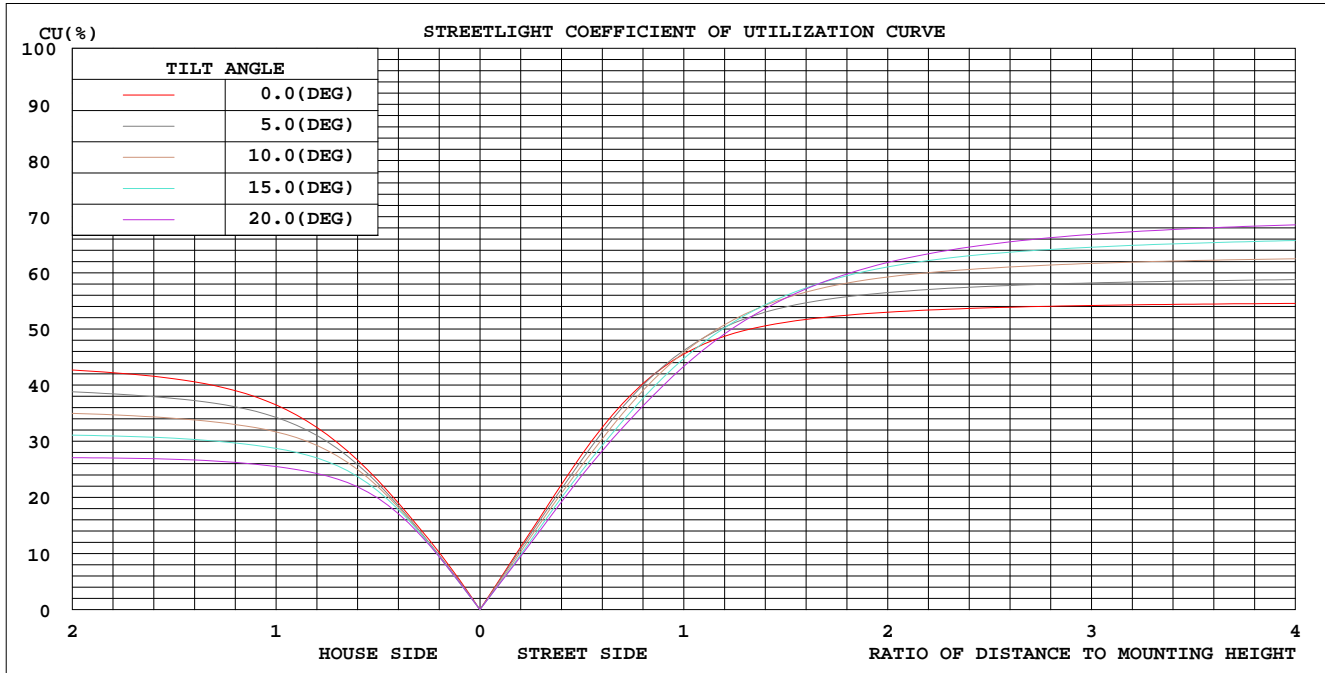
IES:Type I - Medium
 CIE:Narrow - Long
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:178.3cd/klm
 Max.At90:11.98cd/klm
 Max.80-90:178.3cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	1936
90%	1742
80%	1549
70%	1355
60%	1162
50%	968
40%	774
30%	581
20%	387
10%	194
5%	97

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:

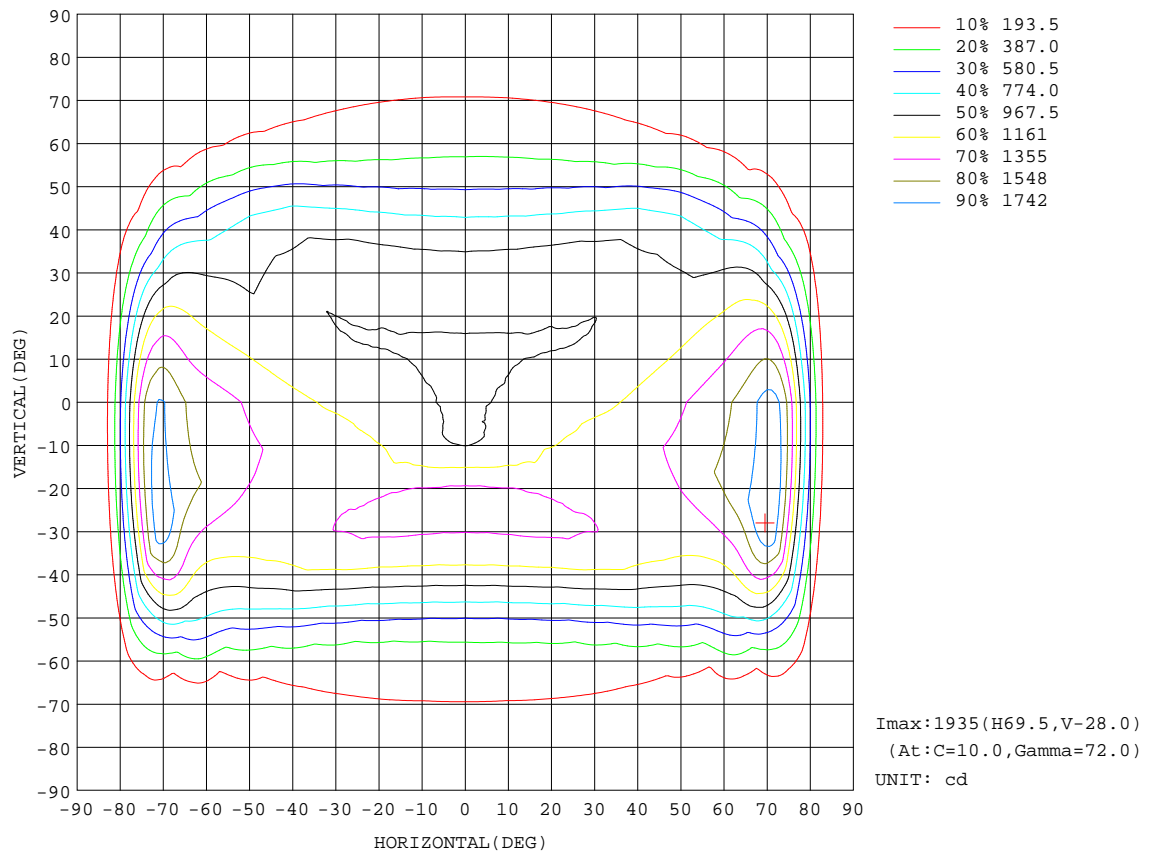
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	1046	1019	962.8	1003	1030	902.4	837.0	909.4	0- 10	89.38	89.38	2.1,2.1
20	1080	1170	1378	1168	1091	952.2	1083	948.0	10- 20	297.5	386.9	9.09,9.09
30	1116	1343	1358	1350	1131	1045	1047	1047	20- 30	538.0	924.9	21.7,21.7
40	1203	1352	1075	1351	1210	1054	852.1	1058	30- 40	723.0	1648	38.7,38.7
50	1334	1111	585.4	1112	1328	917.8	559.4	905.2	40- 50	803.2	2451	57.6,57.6
60	1506	618.8	333.2	633.8	1456	575.3	327.9	556.5	50- 60	747.5	3199	75.2,75.2
70	1819	229.8	185.8	235.5	1751	219.0	205.7	212.8	60- 70	615.8	3814	89.6,89.6
80	574.6	65.29	42.87	70.56	561.0	70.50	50.19	65.46	70- 80	367.8	4182	98.3,98.3
90	3.281	14.68	2.710	14.37	3.744	13.07	2.803	12.84	80- 90	53.53	4236	99.5,99.5
100	4.619	12.72	4.237	12.42	5.133	12.46	4.402	12.43	90-100	18.44	4254	100,100
110	0	0	0	0	0	0	0	0	100-110	0.8023	4255	100,100
120	0	0	0	0	0	0	0	0	110-120	0	4255	100,100
130	0	0	0	0	0	0	0	0	120-130	0	4255	100,100
140	0	0	0	0	0	0	0	0	130-140	0	4255	100,100
150	0	0	0	0	0	0	0	0	140-150	0	4255	100,100
160	0	0	0	0	0	0	0	0	150-160	0	4255	100,100
170	0	0	0	0	0	0	0	0	160-170	0	4255	100,100
180	0	0	0	0	0	0	0	0	170-180	0	4255	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

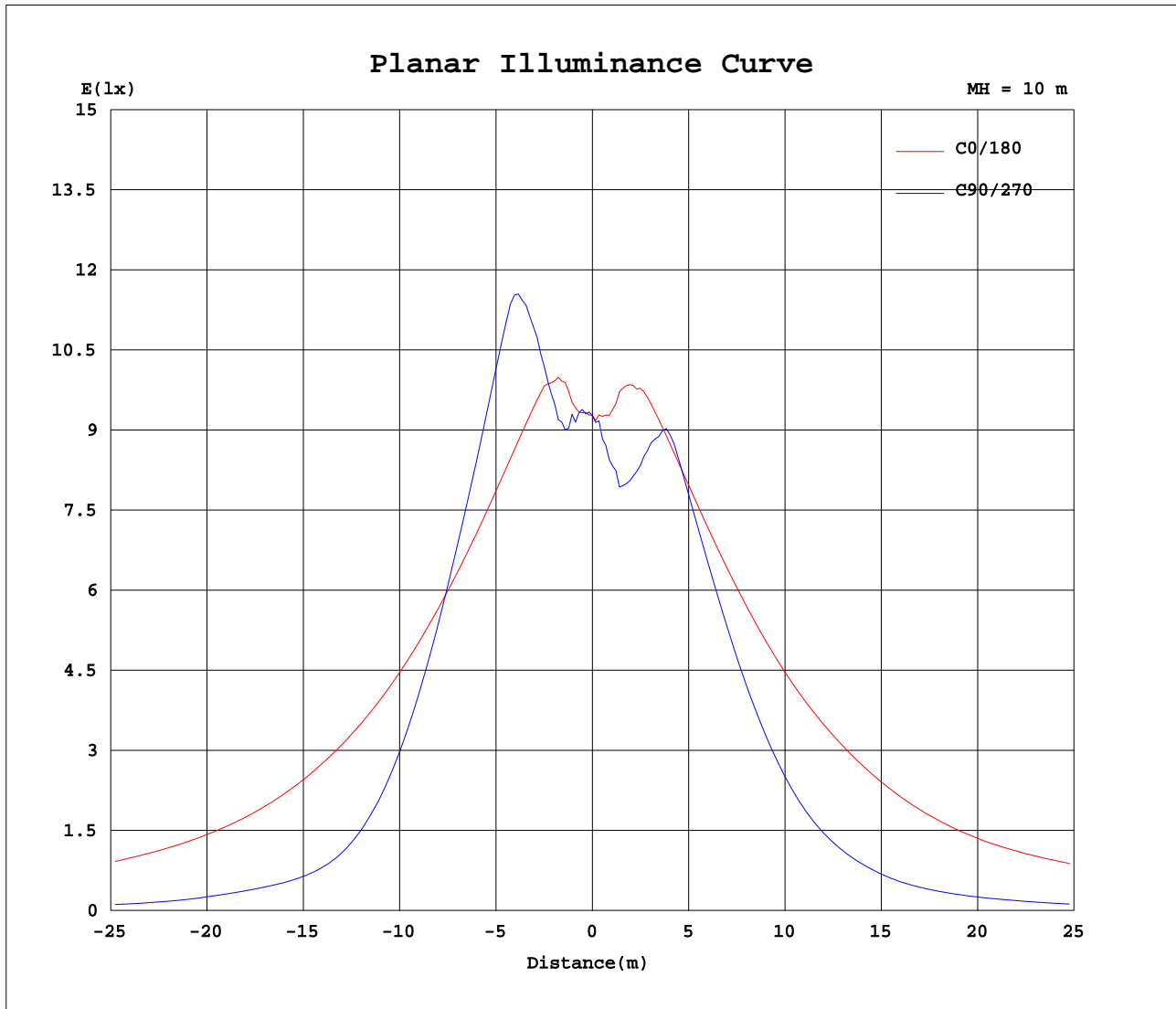
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:



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



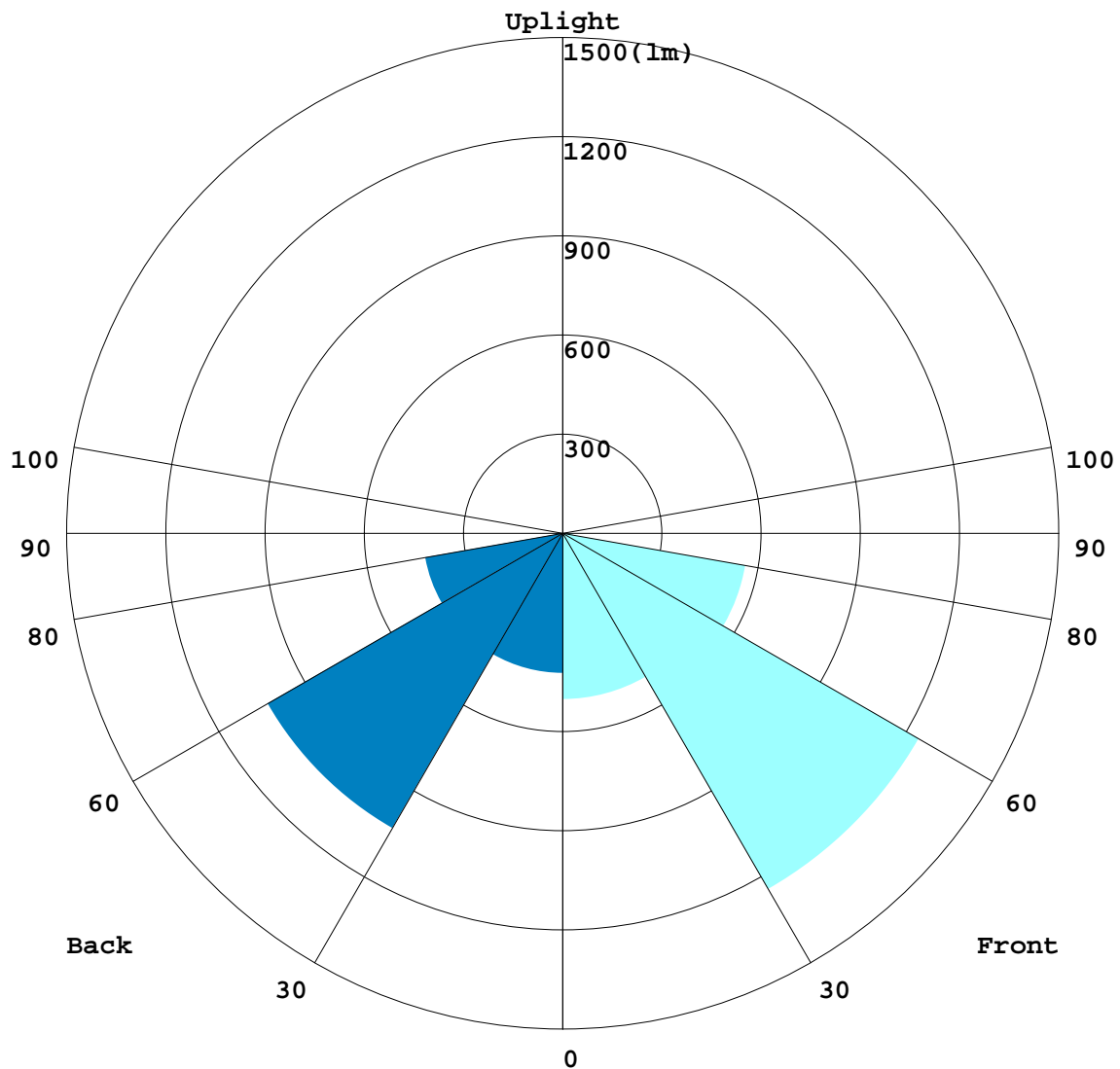
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2017.10.31

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)	502.11	11.8
FM - Front-Medium(30-60)	1243.4	29.2
FH - Front-High(60-80)	561.61	13.2
FVH - Front-Very High(80-90)	31.589	0.7
Total Forward Light	2348.8	55.2

BL - Back-Low(0-30)	422.77	9.9
BM - Back-Medium(30-60)	1030.3	24.2
BH - Back-High(60-80)	422.03	9.9
BVH - Back-Very High(80-90)	21.938	0.5
Total Back Light	1906.2	44.8

UL - Uplight-Low(90-100)	18.443	0.4
UH - Uplight-High(100-180)	0.80229	0.0
Total Up Light	19.245	0.5

BUG(Back,Up,Glare) Rating	B2-U2-G1
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1897	9.1383	1906.2
Street Side	2338.7	10.106	2348.8

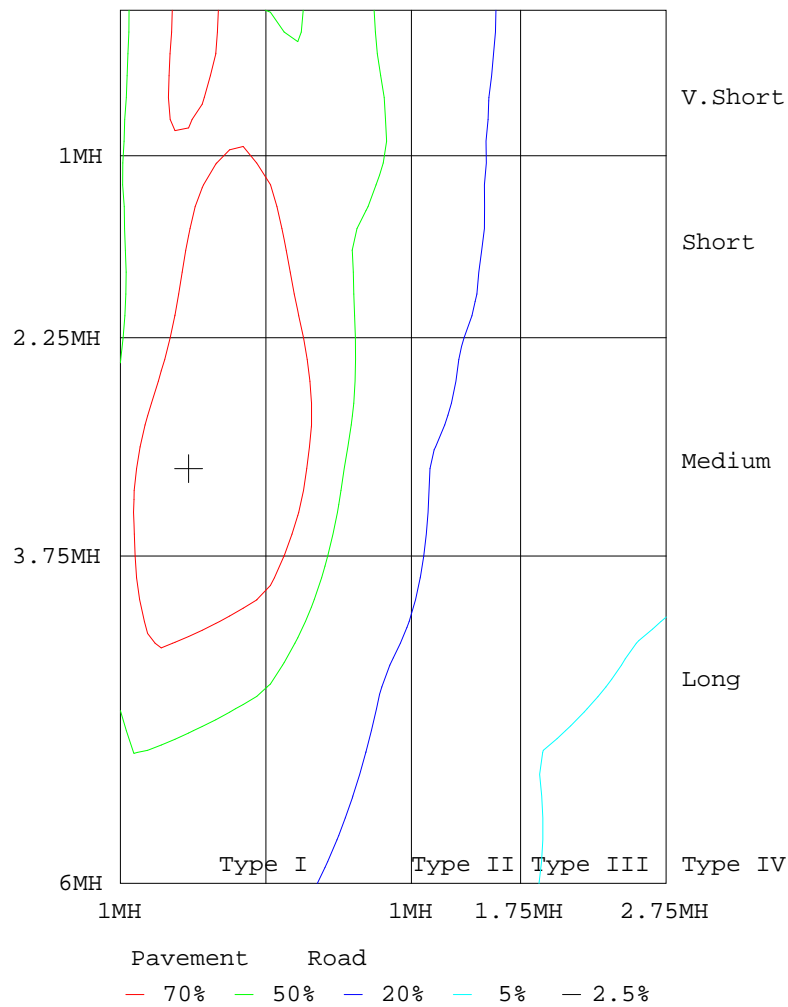
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017.10.31

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	928	929	924	928	924	929	925	928	925	927	925	926	926	926	926	925	926	925	928
5	952	969	968	959	963	947	958	948	937	926	930	943	955	943	956	949	948	957	938
10	1046	1052	1063	1063	1034	1004	992	978	969	963	967	969	979	983	1023	1053	1053	1039	1030
15	1076	1107	1129	1122	1119	1091	1089	1118	1146	1157	1143	1119	1087	1084	1109	1119	1129	1113	1078
20	1080	1140	1145	1156	1151	1190	1258	1322	1370	1378	1370	1321	1264	1189	1148	1157	1153	1155	1091
25	1092	1143	1169	1174	1202	1307	1413	1446	1444	1439	1444	1450	1420	1321	1207	1177	1178	1149	1106
30	1116	1188	1202	1185	1283	1403	1430	1396	1366	1358	1366	1396	1430	1408	1291	1190	1208	1197	1131
35	1153	1223	1232	1218	1339	1404	1356	1298	1257	1245	1256	1297	1355	1405	1345	1226	1230	1222	1166
40	1203	1274	1257	1257	1363	1340	1237	1152	1092	1075	1092	1150	1235	1335	1366	1264	1255	1267	1210
45	1262	1332	1290	1282	1317	1213	1057	942	863	841	864	941	1056	1211	1317	1282	1279	1319	1263
50	1334	1399	1296	1272	1210	1012	813	685	605	585	606	685	815	1014	1210	1271	1293	1383	1328
55	1414	1478	1297	1191	1008	752	554	453	410	400	406	451	558	760	1020	1187	1293	1454	1395
60	1506	1564	1263	1029	746	491	368	342	334	333	331	334	363	500	767	1045	1262	1514	1456
65	1640	1669	1177	780	465	315	281	264	256	256	257	262	276	313	489	811	1165	1576	1554
70	1819	1870	1018	464	247	213	201	193	186	186	187	195	200	213	258	508	1018	1762	1751
75	1481	1697	660	180	145	134	125	115	105	104	106	117	128	138	150	204	713	1691	1461
80	575	709	164	83.7	69.2	61.4	56.1	50.7	45.3	42.9	45.7	52.0	58.7	65.5	75.6	89.6	192	759	561
85	56.0	88.4	54.9	38.8	26.3	19.9	15.9	14.4	12.4	11.3	12.7	15.2	17.1	21.5	28.0	40.8	57.7	92.9	45.0
90	3.28	50.9	43.9	29.5	17.9	11.4	7.93	5.66	3.91	2.71	3.92	5.69	7.93	11.3	17.4	28.5	42.7	51.0	3.74
95	3.90	46.1	39.6	27.1	17.0	11.4	8.21	6.08	4.37	3.43	4.36	6.07	8.17	11.2	16.6	26.4	38.8	46.4	4.30
100	4.62	36.5	31.6	22.1	14.8	10.7	8.21	6.41	4.90	4.24	4.87	6.37	8.09	10.5	14.4	21.3	30.1	35.4	5.13
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	929	924	928	924	929	925	928	925	927	925	926	926	926	926	925	926	925		
5	951	929	920	900	885	879	863	846	855	853	857	882	886	893	917	933	943		
10	1011	983	958	923	882	854	842	834	837	833	847	860	888	931	955	980	1009		
15	1074	1026	992	946	910	907	916	932	944	932	916	906	915	947	989	1023	1069		
20	1070	1025	977	950	955	998	1039	1070	1083	1071	1041	1003	954	942	975	1019	1039		
25	1058	1017	963	959	1030	1096	1114	1109	1105	1111	1116	1100	1035	958	959	1006	1055		
30	1072	1010	950	1004	1085	1099	1074	1054	1047	1056	1077	1102	1089	1005	950	1001	1059		
35	1074	997	961	1037	1085	1054	1007	976	965	977	1007	1055	1090	1046	963	1000	1073		
40	1089	995	979	1060	1049	977	909	869	852	867	906	973	1048	1068	981	1000	1103		
45	1110	986	988	1039	976	868	780	730	710	726	772	856	965	1043	999	996	1131		
50	1130	977	986	981	854	717	621	574	559	575	616	704	836	974	998	991	1160		
55	1144	964	947	863	682	539	467	439	432	442	468	534	662	850	954	988	1191		
60	1149	929	844	676	475	374	330	327	328	332	337	372	459	654	850	941	1211		
65	1147	812	630	426	295	263	262	267	269	269	266	266	287	404	621	817	1218		
70	1064	573	343	235	203	203	205	207	206	207	205	203	202	223	330	561	1094		
75	670	255	153	143	137	134	126	119	113	117	123	131	133	137	145	239	639		
80	190	87.5	79.7	73.3	67.7	64.1	58.2	54.6	50.2	53.5	56.4	60.7	63.3	67.6	73.1	80.2	177		
85	57.3	46.3	34.4	26.6	22.1	19.5	17.7	16.0	13.7	15.3	16.5	17.6	19.8	24.2	31.8	42.9	53.0		
90	44.7	35.3	23.8	15.5	10.7	7.85	5.82	4.16	2.80	3.95	5.52	7.53	10.4	15.3	23.6	35.2	44.9		
95	41.5	33.4	23.0	15.5	11.0	8.27	6.28	4.65	3.53	4.46	6.04	8.05	10.8	15.3	22.7	33.0	41.5		
100	32.8	27.4	19.9	14.2	10.7	8.45	6.73	5.24	4.40	5.08	6.57	8.37	10.7	14.2	19.8	27.5	33.8		
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: