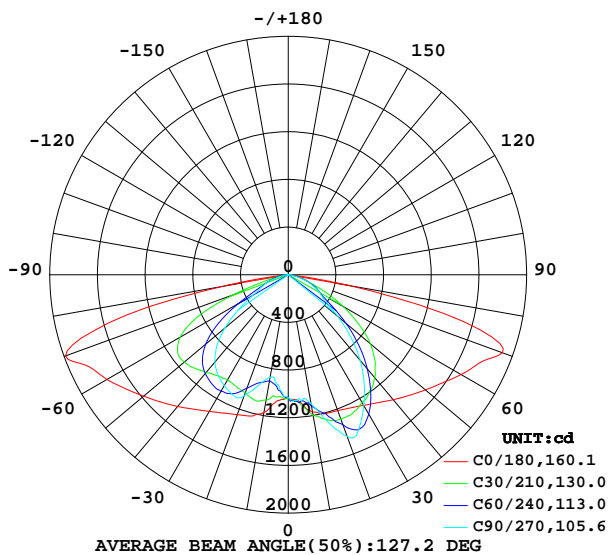
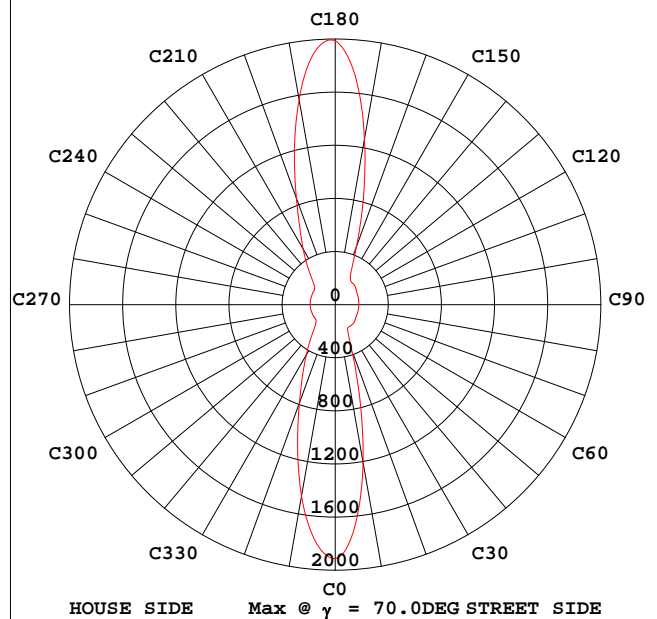


STREETLIGHT PHOTOMETRIC TEST REPORT

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 1M 3030	Imax(cd)	1988	η street_up(%)	0.2
NOMINAL POWER(W)	37	LOR(%)	100.0	η street_down(%)	48.7
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	4255	η house_up(%)	0.2
NOMINAL FLUX(lm)	4255	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	22.828

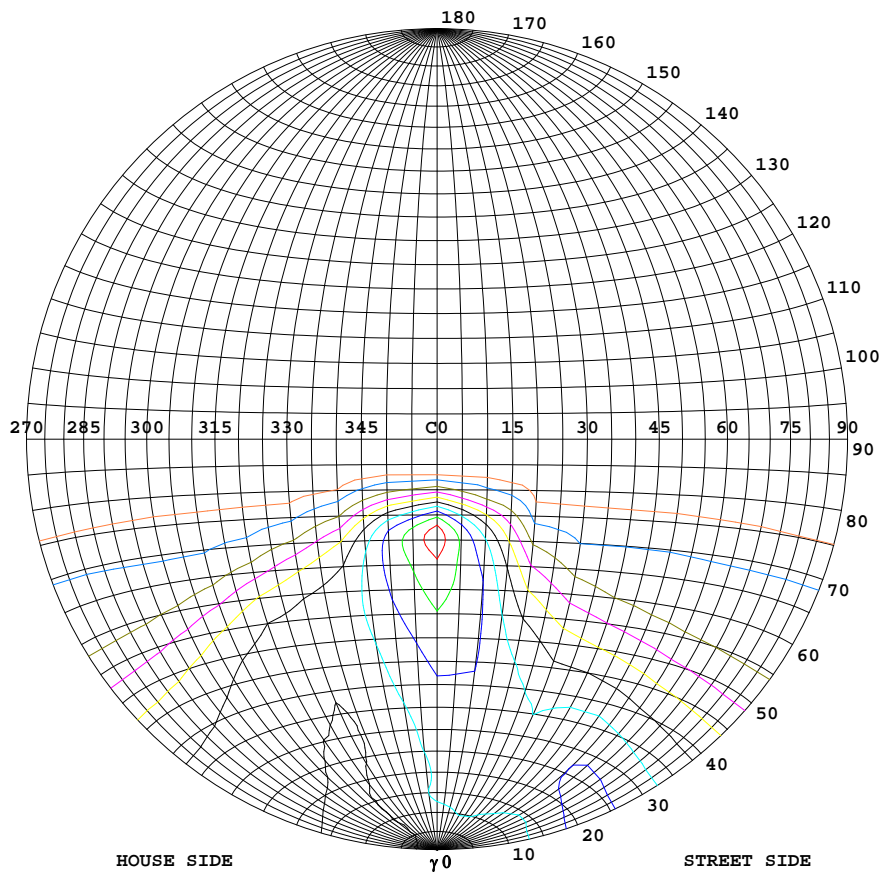
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:



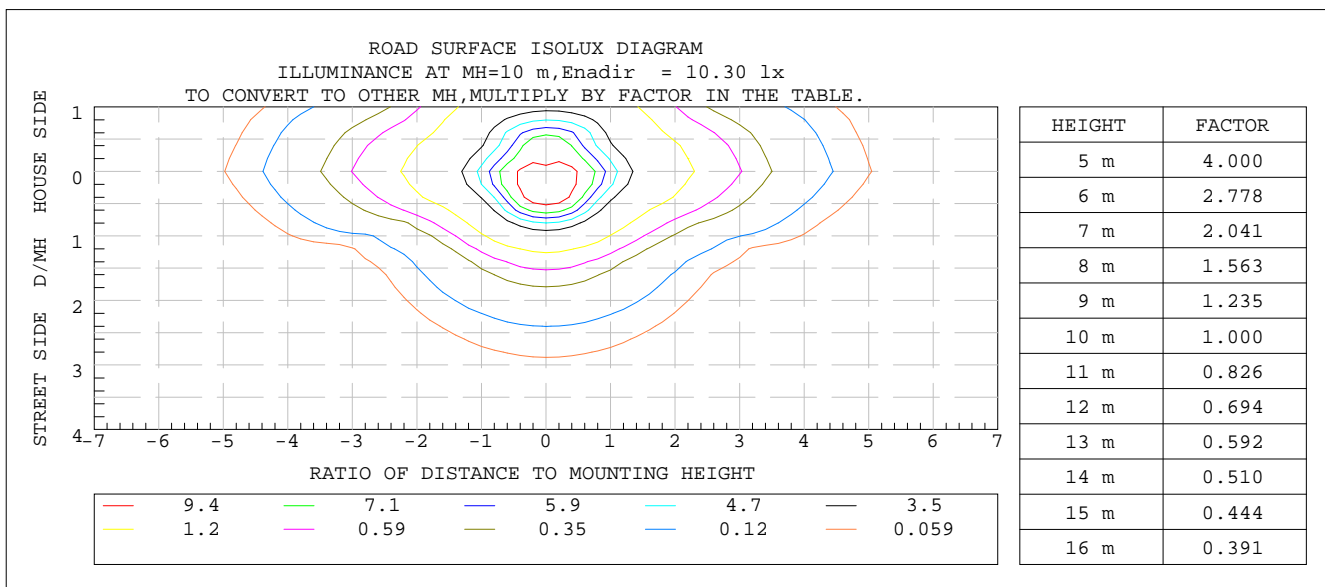
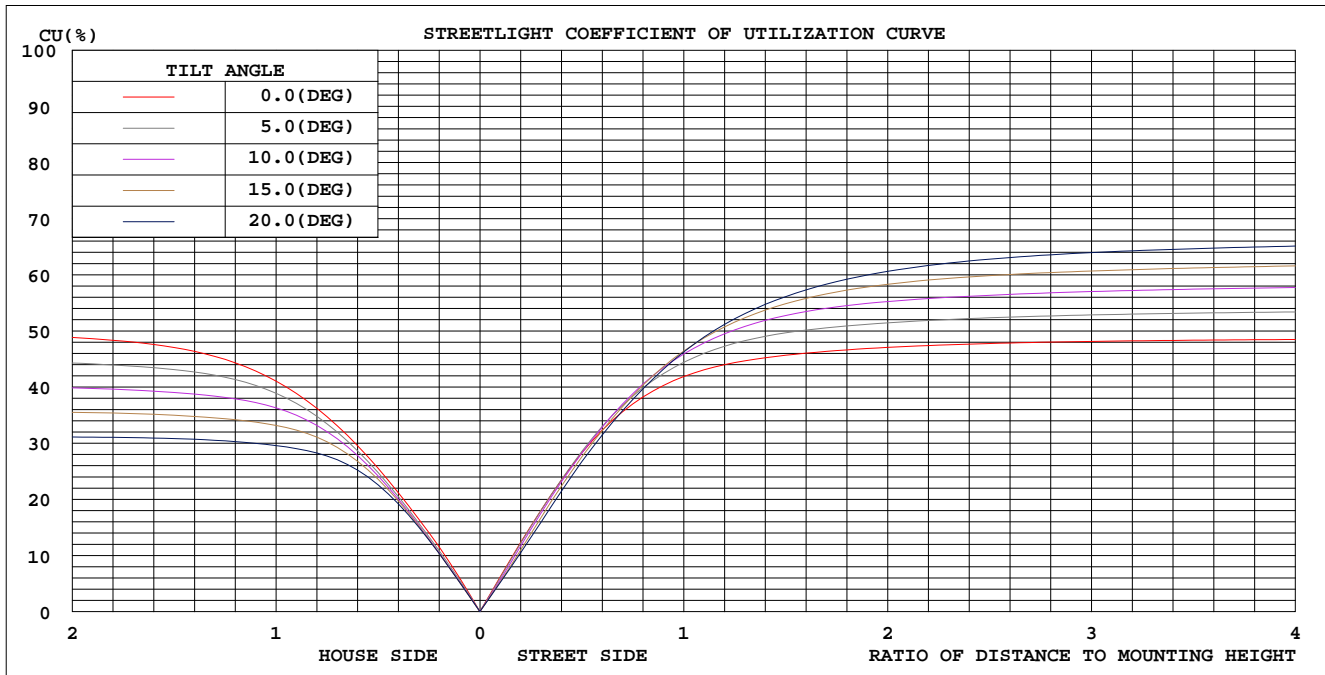
Classification:

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%	1988
90%	1789
80%	1590
70%	1392
60%	1193
50%	994
40%	795
30%	596
20%	398
10%	199
5%	99

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:

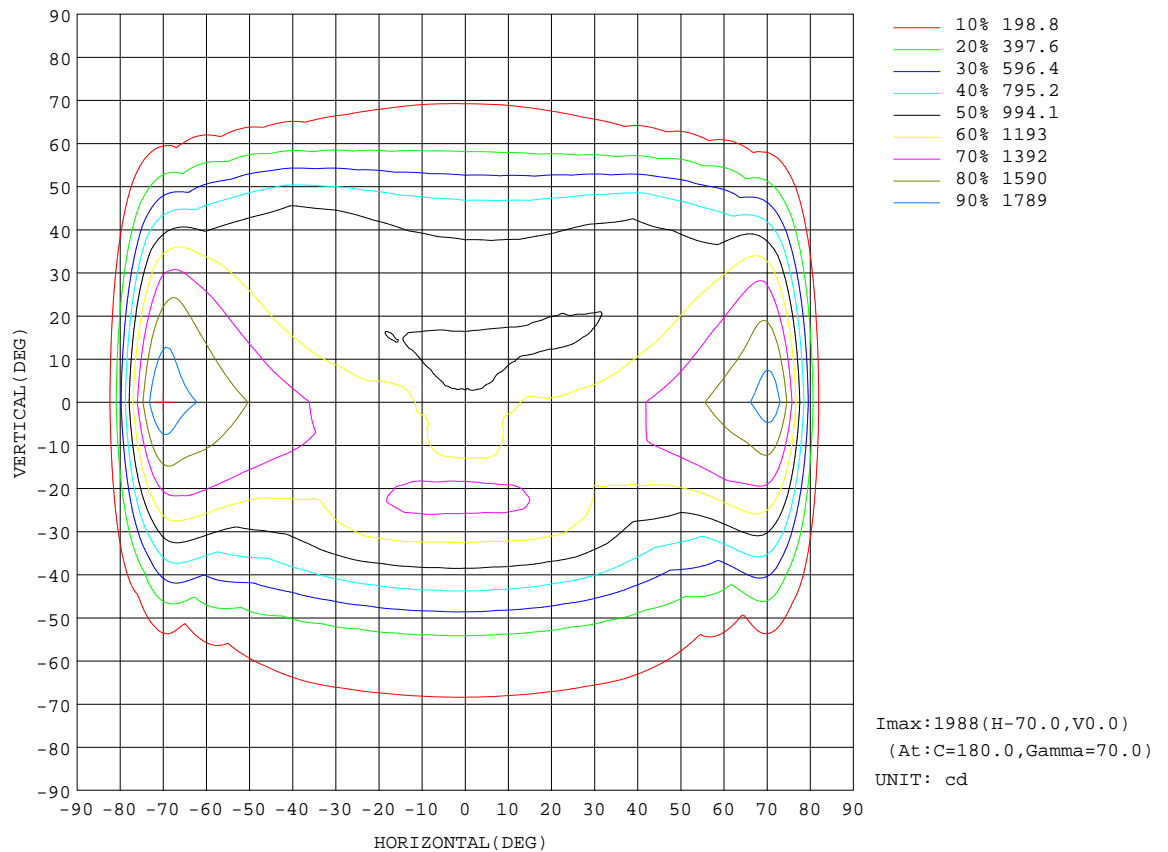
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	1170	1146	1094	1140	1171	975.1	872.6	970.7	0- 10	99.67	99.67	2.34,2.34
20	1213	1276	1442	1304	1249	992.5	1081	958.1	10- 20	324.3	424.0	9.96,9.96
30	1266	1319	1268	1353	1324	1077	1074	1029	20- 30	562.3	986.3	23.2,23.2
40	1369	1127	941.4	1159	1443	1156	956.7	1092	30- 40	731.5	1718	40.4,40.4
50	1502	762.3	538.6	802.0	1585	1108	692.2	1024	40- 50	805.1	2523	59.3,59.3
60	1674	368.4	308.2	400.1	1756	776.9	337.7	697.6	50- 60	746.7	3270	76.8,76.8
70	1912	194.4	177.8	204.1	1988	245.9	188.6	222.7	60- 70	595.9	3865	90.8,90.8
80	506.3	58.86	42.62	65.05	557.4	71.82	48.33	64.16	70- 80	325.7	4191	98.5,98.5
90	3.503	13.84	2.864	12.84	4.279	12.82	2.776	13.02	80- 90	44.97	4236	99.6,99.6
100	4.798	13.19	4.498	12.12	4.992	11.79	4.336	12.30	90-100	18.18	4254	100,100
110	0	0	0	0	0	0	0	0	100-110	0.8059	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

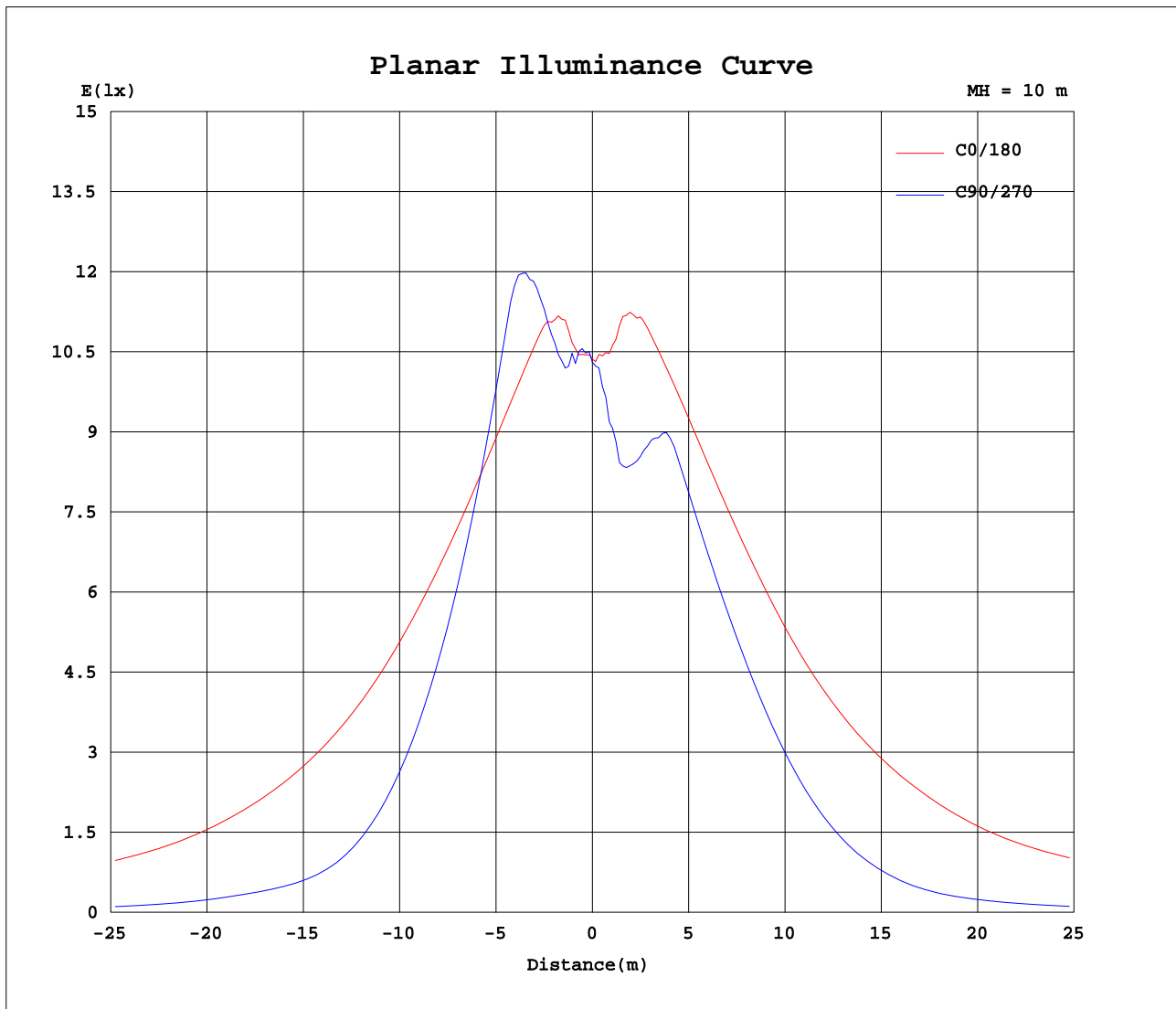
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:



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



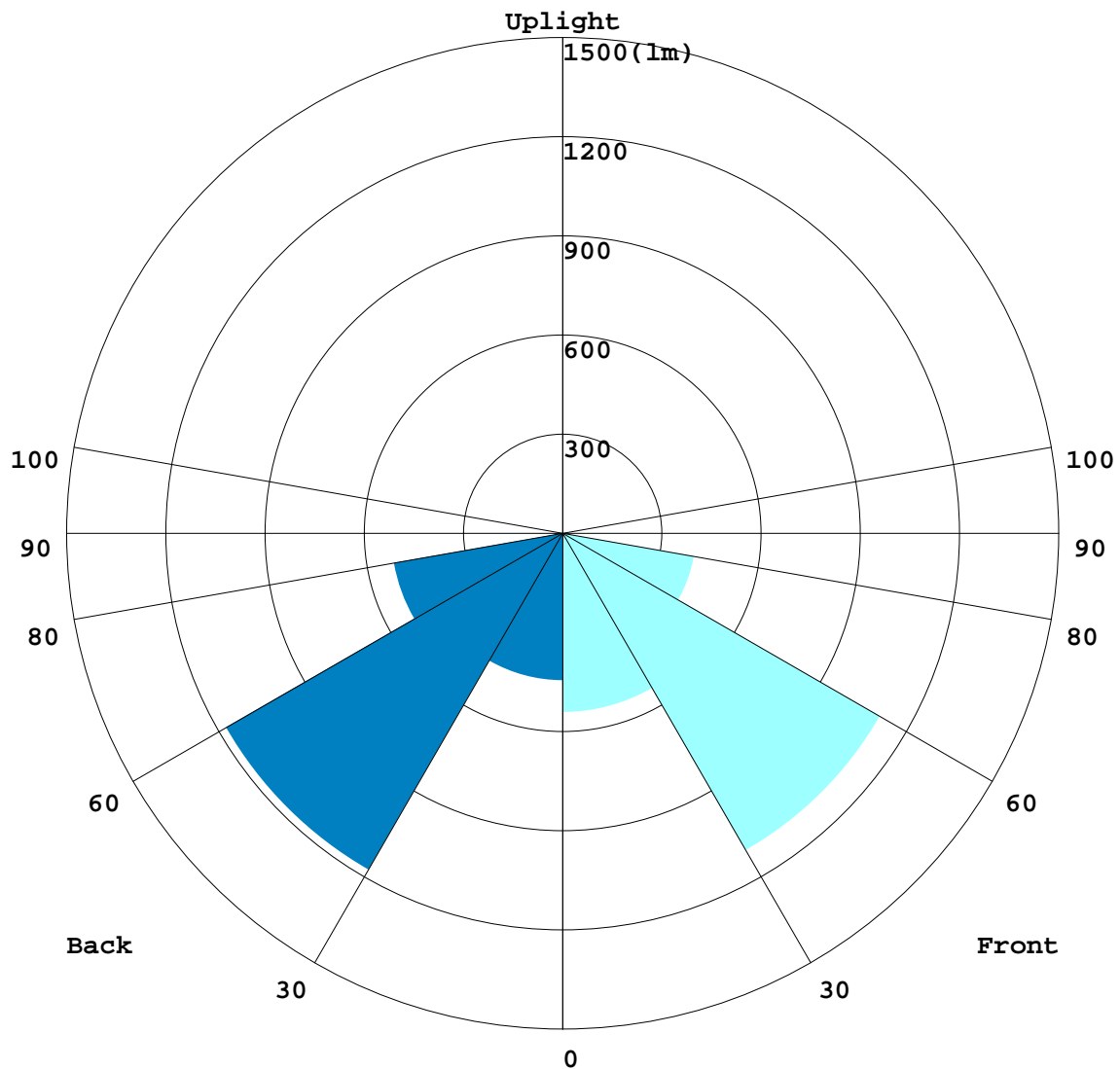
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2017.10.31

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)	541.16	12.7
FM - Front-Medium(30-60)	1107.6	26.0
FH - Front-High(60-80)	403.74	9.5
FVH - Front-Very High(80-90)	20.714	0.5
Total Forward Light	2082.8	48.9

BL - Back-Low(0-30)	445.14	10.5
BM - Back-Medium(30-60)	1175.7	27.6
BH - Back-High(60-80)	517.87	12.2
BVH - Back-Very High(80-90)	24.255	0.6
Total Back Light	2172.3	51.1

UL - Uplight-Low(90-100)	18.183	0.4
UH - Uplight-High(100-180)	0.80586	0.0
Total Up Light	18.989	0.4

BUG(Back,Up,Glare) Rating	B2-U2-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2163	9.3294	2172.3
Street Side	2073.2	9.6593	2082.8

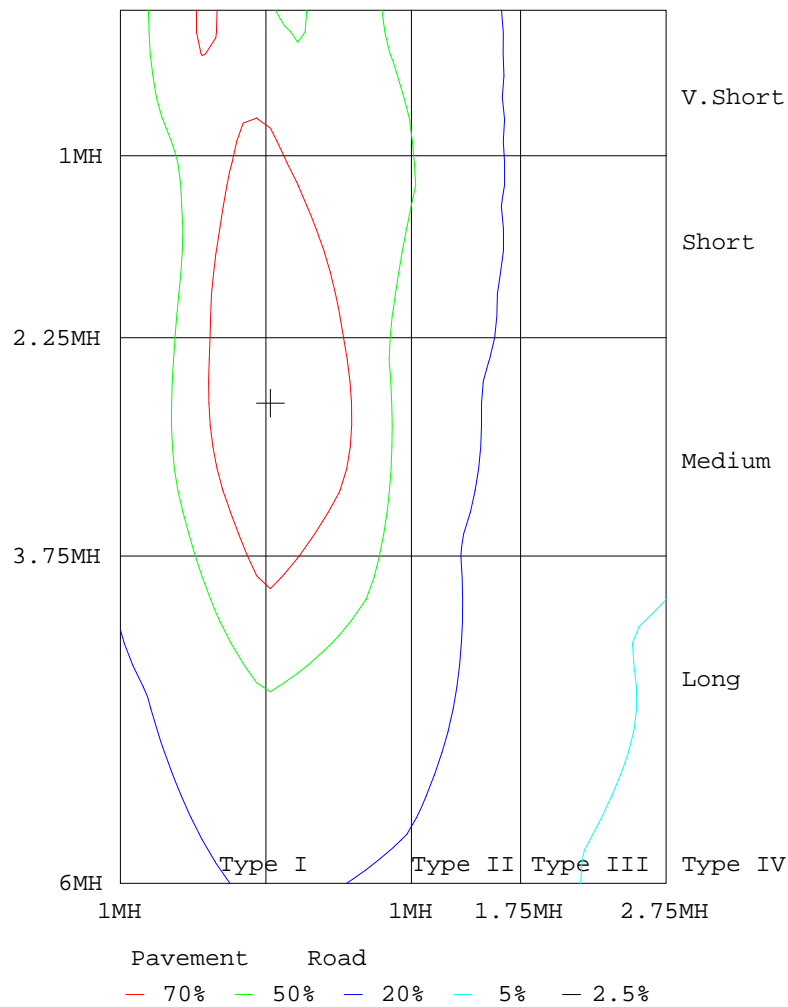
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017.10.31

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	1036	1035	1031	1032	1028	1031	1027	1031	1026	1030	1027	1031	1027	1030	1029	1030	1032	1030	1036
5	1068	1093	1089	1080	1085	1067	1078	1061	1053	1040	1041	1064	1077	1061	1080	1073	1066	1080	1059
10	1170	1179	1198	1198	1162	1131	1119	1105	1095	1094	1091	1100	1110	1119	1161	1199	1199	1172	1171
15	1206	1253	1274	1259	1251	1215	1205	1228	1259	1273	1263	1249	1222	1227	1266	1284	1292	1273	1228
20	1213	1291	1284	1288	1265	1287	1337	1392	1429	1442	1438	1403	1371	1313	1294	1316	1313	1315	1249
25	1233	1287	1299	1280	1274	1349	1426	1435	1417	1412	1423	1449	1452	1397	1308	1307	1333	1316	1281
30	1266	1327	1303	1237	1283	1356	1353	1308	1274	1268	1279	1318	1365	1383	1323	1277	1347	1366	1324
35	1311	1348	1285	1191	1233	1261	1207	1151	1117	1111	1120	1159	1218	1283	1275	1247	1333	1390	1378
40	1369	1378	1248	1130	1142	1111	1032	979	946	941	951	989	1047	1132	1186	1190	1309	1425	1443
45	1433	1397	1203	1032	996	927	838	784	751	745	756	794	854	950	1045	1102	1261	1450	1511
50	1502	1407	1104	901	807	717	632	578	543	539	548	588	650	746	858	988	1193	1473	1585
55	1581	1411	977	723	603	505	432	395	377	376	381	403	446	532	661	819	1086	1489	1667
60	1674	1402	810	530	402	335	311	310	307	308	309	313	318	352	448	632	934	1485	1756
65	1762	1353	609	342	263	261	257	243	240	240	241	247	262	268	286	416	738	1426	1836
70	1912	1210	365	197	197	192	182	180	178	178	179	183	188	200	208	230	471	1269	1988
75	1527	803	146	127	124	122	115	110	102	101	104	114	121	128	132	136	182	809	1555
80	506	222	79.6	69.0	60.5	57.3	53.8	49.5	45.1	42.6	46.1	51.8	58.2	63.1	67.0	74.2	81.8	200	557
85	21.8	60.3	47.5	34.2	24.0	19.0	15.9	15.0	13.3	12.0	13.8	16.1	17.4	20.9	25.5	34.8	46.8	59.2	28.9
90	3.50	49.7	40.8	26.9	16.6	11.0	7.89	5.75	4.06	2.86	3.94	5.55	7.53	10.4	15.3	24.2	36.4	45.6	4.28
95	4.03	46.4	38.3	25.8	16.5	11.4	8.39	6.28	4.59	3.61	4.42	5.99	7.90	10.6	15.1	23.3	34.5	42.8	4.26
100	4.80	38.0	32.0	22.4	15.2	11.2	8.67	6.82	5.24	4.50	5.03	6.43	8.08	10.3	13.9	20.2	28.6	34.4	4.99
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	1035	1031	1032	1028	1031	1027	1031	1026	1030	1027	1031	1027	1030	1029	1030	1032	1030		
5	1079	1049	1029	1007	976	971	950	929	930	935	940	969	973	992	1018	1043	1052		
10	1161	1114	1067	1005	945	906	887	874	873	871	891	901	939	1002	1044	1080	1122		
15	1217	1148	1089	1016	955	939	942	953	961	948	933	926	942	987	1052	1108	1180		
20	1222	1138	1055	1000	985	1012	1044	1072	1081	1064	1031	996	955	961	1014	1089	1140		
25	1212	1129	1033	995	1044	1101	1121	1116	1108	1107	1103	1077	1012	953	984	1065	1155		
30	1248	1127	1019	1043	1111	1129	1105	1085	1074	1074	1084	1095	1069	989	964	1054	1162		
35	1270	1125	1035	1098	1151	1118	1070	1040	1027	1029	1044	1075	1097	1043	977	1054	1184		
40	1305	1141	1073	1156	1156	1082	1016	975	957	962	987	1034	1091	1093	1008	1064	1224		
45	1348	1157	1110	1177	1128	1019	927	871	847	855	892	963	1056	1103	1043	1076	1263		
50	1402	1179	1139	1166	1050	903	788	721	692	704	750	843	971	1078	1065	1091	1309		
55	1461	1193	1133	1076	897	722	598	533	508	518	561	665	817	994	1048	1105	1362		
60	1524	1184	1048	898	656	481	387	352	338	342	365	437	582	813	971	1081	1410		
65	1575	1095	841	587	371	280	253	251	249	249	247	259	329	514	768	1000	1458		
70	1568	857	485	289	203	192	190	191	189	189	186	185	189	256	438	791	1465		
75	1149	441	192	143	133	129	122	116	110	113	117	122	124	131	170	390	1070		
80	401	122	82.2	75.1	68.5	65.2	57.1	53.1	48.3	51.0	53.1	59.3	61.7	66.7	72.5	103	341		
85	63.8	51.2	37.0	28.8	23.8	20.6	18.2	16.7	14.2	15.6	16.6	18.1	20.5	25.4	33.8	47.4	58.5		
90	45.1	36.3	24.1	15.2	10.4	7.66	5.70	4.09	2.78	3.94	5.55	7.57	10.4	15.6	25.0	38.2	48.6		
95	41.9	34.1	23.0	15.0	10.5	7.97	6.10	4.55	3.49	4.43	6.03	7.99	10.7	15.4	23.9	35.9	45.2		
100	33.1	27.5	19.4	13.5	10.1	3.22	6.49	5.09	4.34	5.03	6.50	8.22	10.5	14.1	20.6	29.6	36.8		
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: