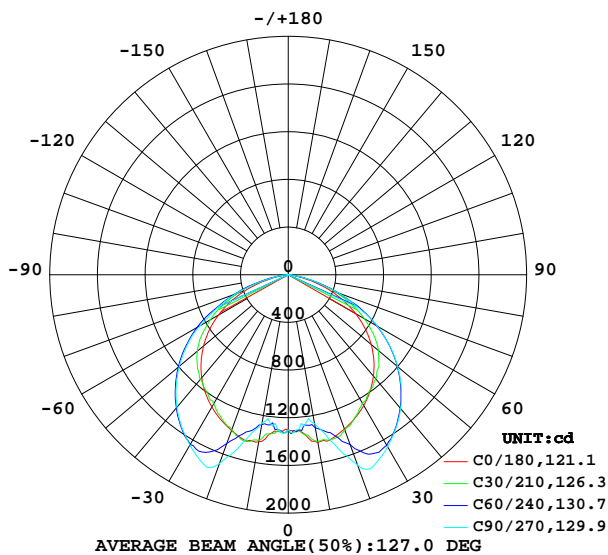
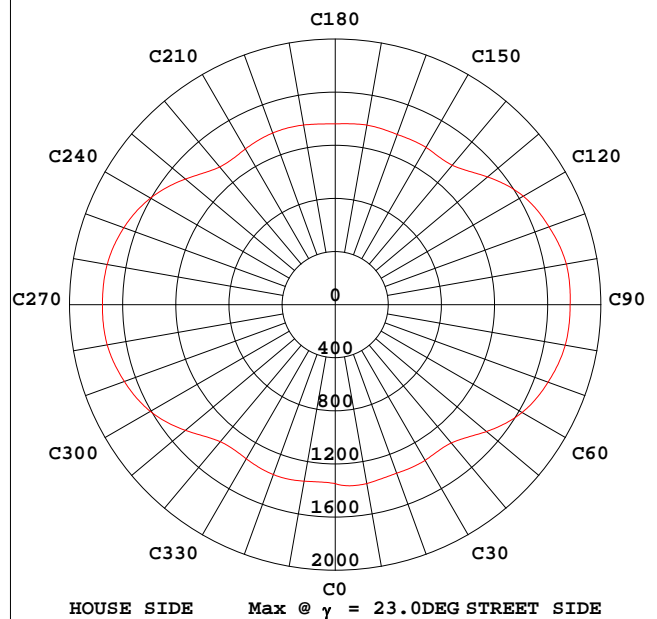


STREETLIGHT PHOTOMETRIC TEST REPORT

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

DATA OF LAMP		PHOTOMETRIC DATA Eff: 130.00 lm/W			
MODEL	LD37LMA 5S 3030	Imax(cd)	1769	η street_up(%)	0.2
NOMINAL POWER(W)	37	LOR(%)	100.0	η street_down(%)	49.8
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	4810	η house_up(%)	0.2
NOMINAL FLUX(lm)	4810	MAXIMUM @(C, γ)	90,23.0	η house_down(%)	49.9
LAMPS INSIDE	1	η up(%)	0.3	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	220.1	η down(%)	99.7	SLI	19.786

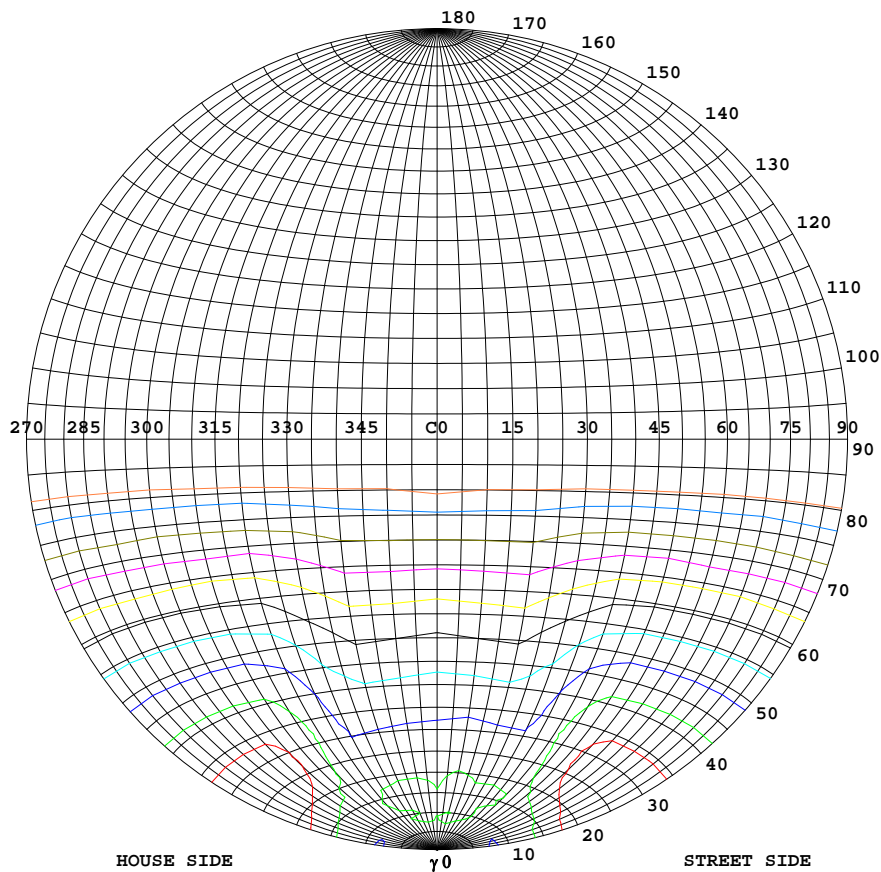
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:



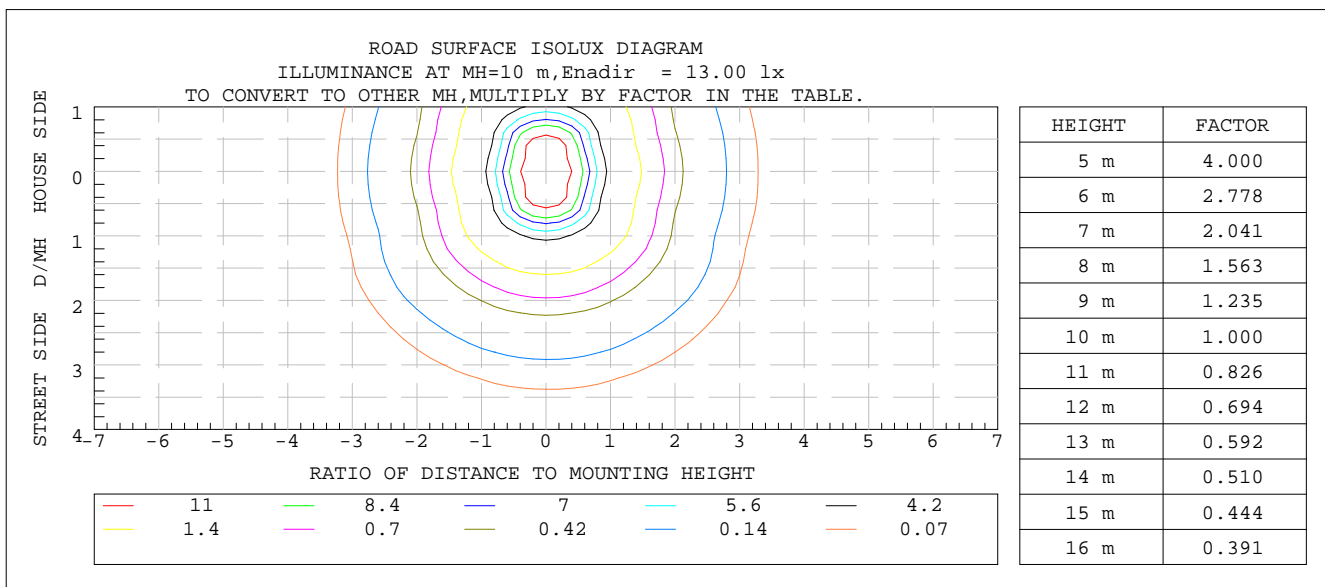
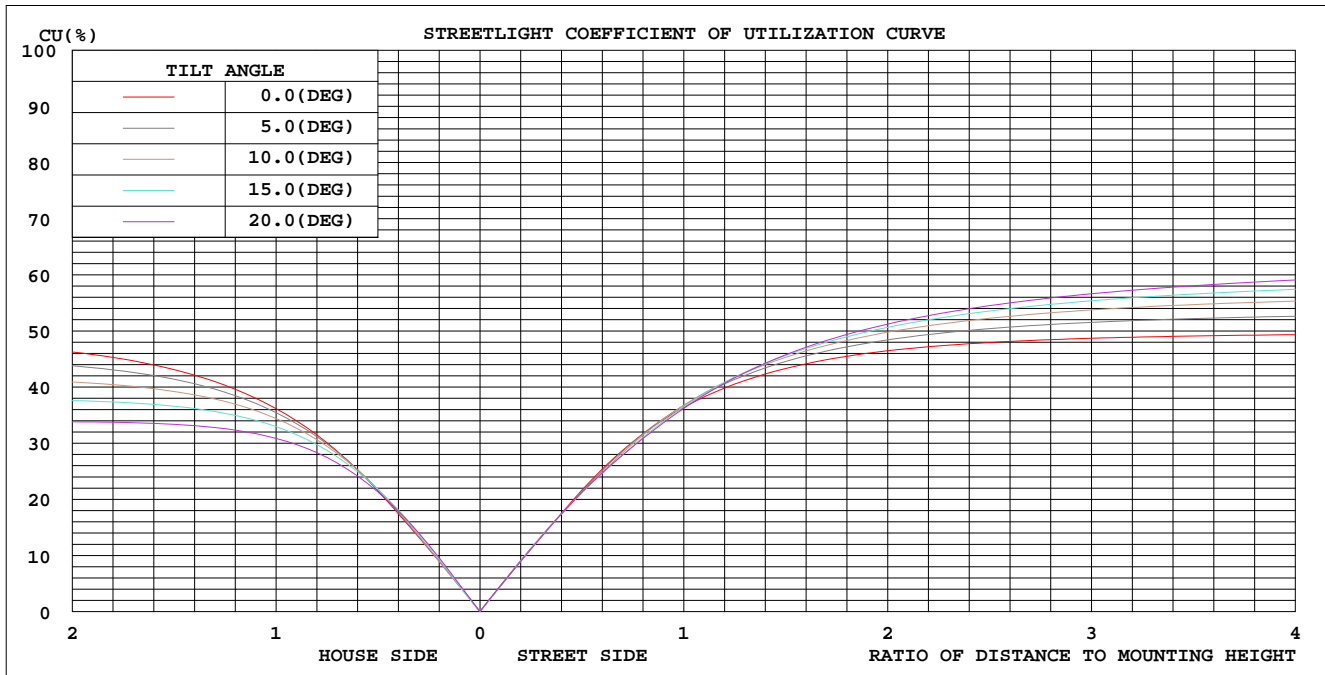
Classification:

IES:Type 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%	1769
90%	1592
80%	1415
70%	1238
60%	1061
50%	884
40%	707
30%	531
20%	354
10%	177
5%	88

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:

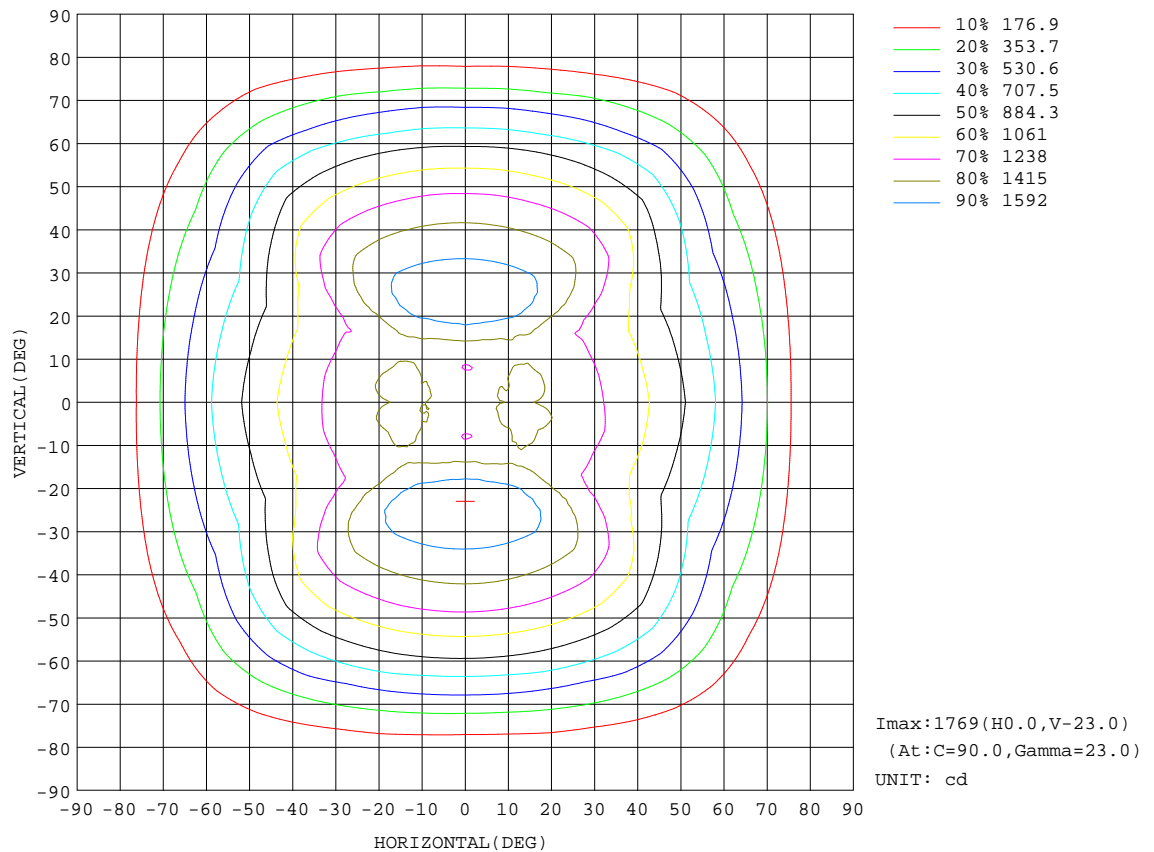
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	1428	1347	1267	1328	1422	1325	1263	1344	0- 10	126.2	126.2	2.62,2.62
20	1377	1401	1699	1414	1391	1401	1685	1393	10- 20	404.4	530.6	11,11
30	1267	1472	1666	1490	1282	1465	1651	1463	20- 30	690.7	1221	25.4,25.4
40	1111	1395	1466	1416	1129	1396	1452	1387	30- 40	873.4	2095	43.5,43.5
50	908.4	1170	1198	1189	927.0	1183	1192	1166	40- 50	929.8	3025	62.9,62.9
60	653.4	852.7	863.1	872.9	674.7	875.9	850.3	856.6	50- 60	843.9	3868	80.4,80.4
70	356.6	459.9	450.8	481.5	378.0	490.4	473.1	470.3	60- 70	607.9	4476	93.1,93.1
80	70.58	100.5	95.61	114.2	84.83	127.9	116.9	114.8	70- 80	275.9	4752	98.8,98.8
90	1.614	11.94	3.545	11.70	1.986	11.54	3.731	11.42	80- 90	41.67	4794	99.7,99.7
100	2.624	12.00	5.855	11.77	2.827	11.96	6.147	11.91	90-100	15.42	4809	100,100
110	0	0	0	0	0	0	0	0	100-110	0.7403	4810	100,100
120	0	0	0	0	0	0	0	0	110-120	0	4810	100,100
130	0	0	0	0	0	0	0	0	120-130	0	4810	100,100
140	0	0	0	0	0	0	0	0	130-140	0	4810	100,100
150	0	0	0	0	0	0	0	0	140-150	0	4810	100,100
160	0	0	0	0	0	0	0	0	150-160	0	4810	100,100
170	0	0	0	0	0	0	0	0	160-170	0	4810	100,100
180	0	0	0	0	0	0	0	0	170-180	0	4810	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

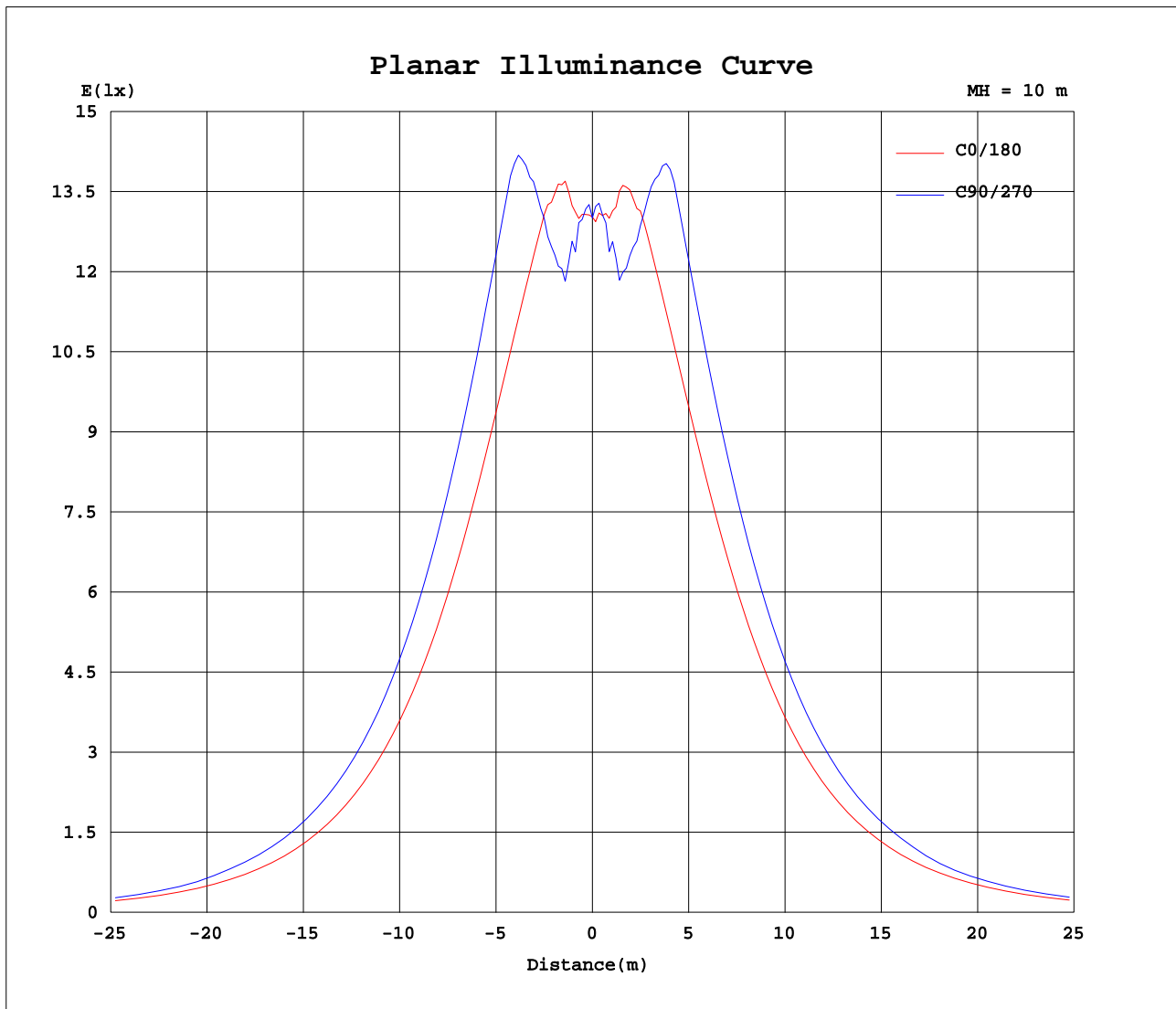
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:



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



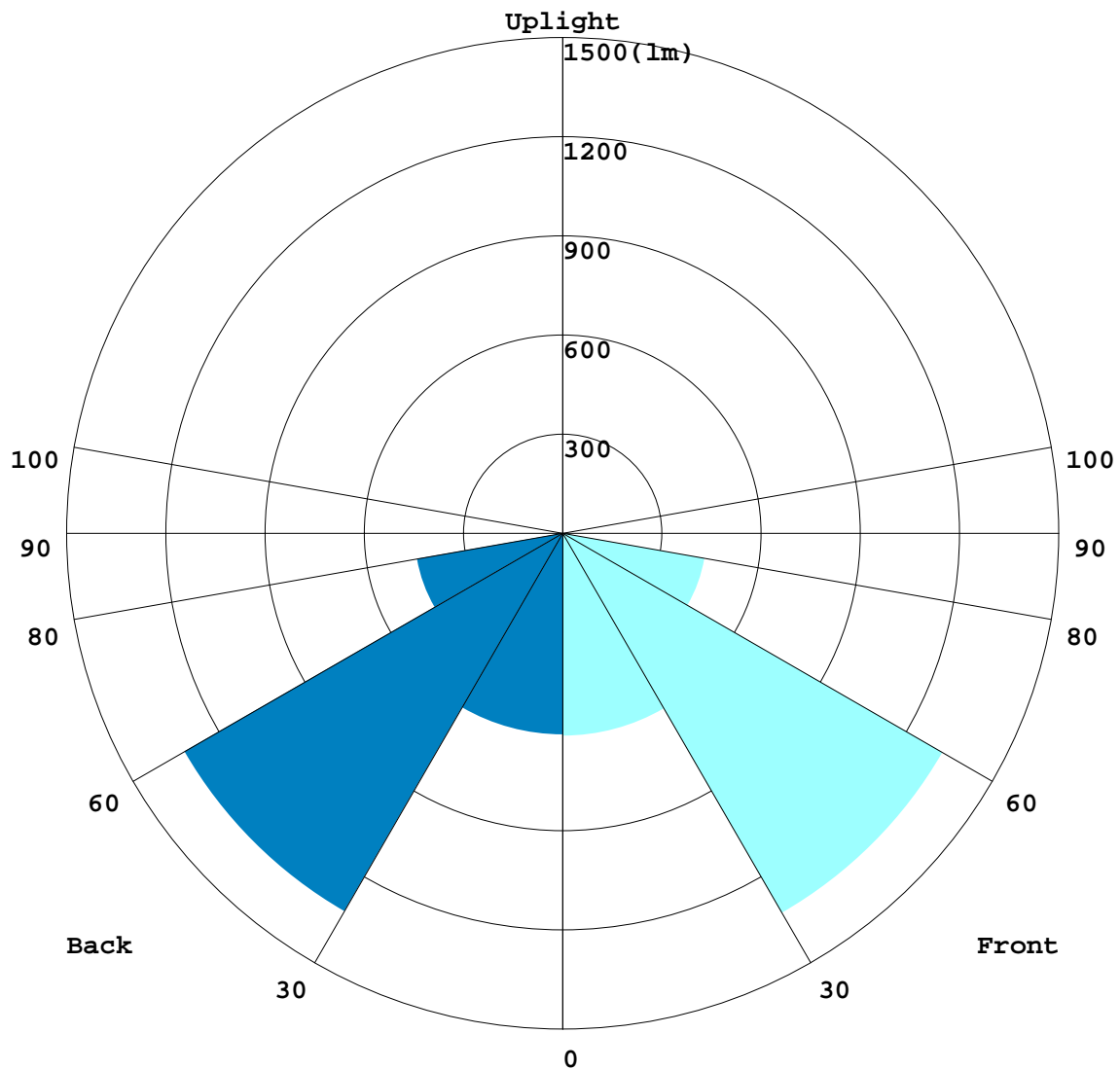
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2017.10.31

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)	612.57	12.7
FM - Front-Medium(30-60)	1326.8	27.6
FH - Front-High(60-80)	436.23	9.1
FVH - Front-Very High(80-90)	19.37	0.4
Total Forward Light	2403.1	50.0

BL - Back-Low(0-30)	608.73	12.7
BM - Back-Medium(30-60)	1320.4	27.5
BH - Back-High(60-80)	447.47	9.3
BVH - Back-Very High(80-90)	22.302	0.5
Total Back Light	2406.9	50.0

UL - Uplight-Low(90-100)	15.416	0.3
UH - Uplight-High(100-180)	0.74031	0.0
Total Up Light	16.157	0.3

BUG(Back,Up,Glare) Rating	B2-U2-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2398.9	8.0136	2406.9
Street Side	2395	8.143	2403.1

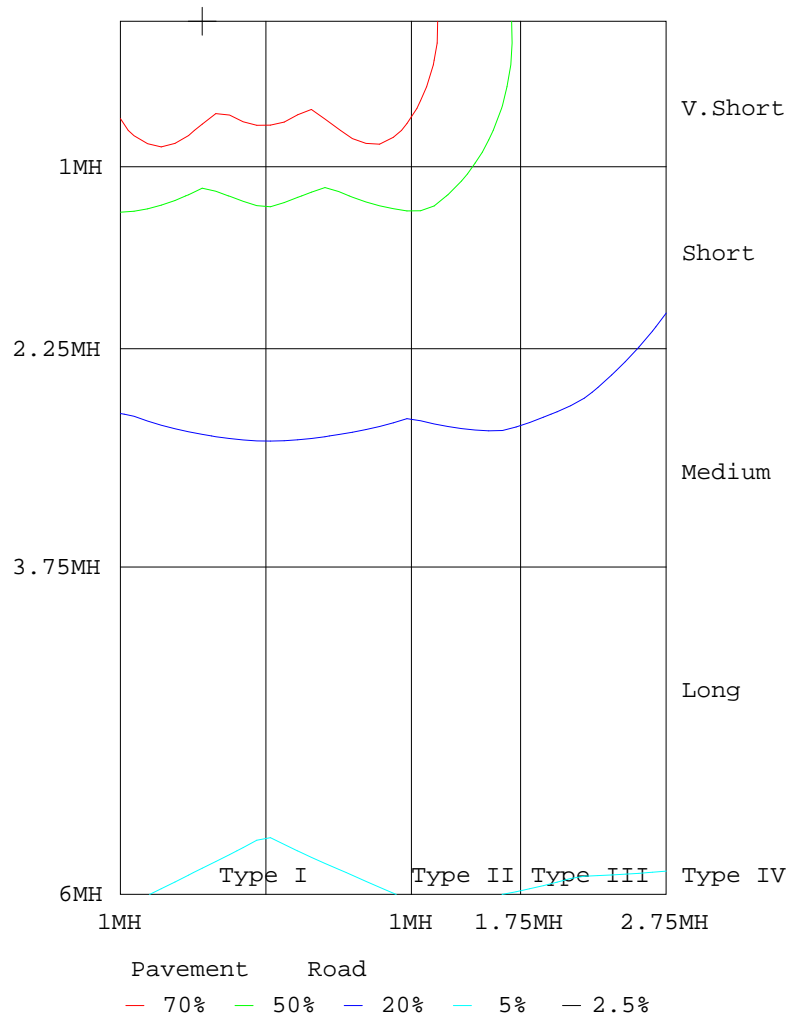
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017.10.31

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	1303	1302	1300	1300	1300	1300	1300	1300	1301	1301	1299	1301	1298	1303	1301	1306	1308	1309	1303
5	1327	1362	1335	1334	1323	1306	1311	1270	1266	1252	1246	1286	1301	1289	1324	1324	1312	1359	1315
10	1428	1412	1430	1420	1369	1324	1303	1288	1269	1267	1257	1272	1283	1294	1361	1410	1428	1403	1422
15	1423	1470	1456	1428	1411	1374	1373	1404	1450	1463	1448	1422	1371	1367	1410	1436	1458	1477	1435
20	1377	1427	1390	1388	1371	1431	1516	1611	1677	1699	1680	1612	1541	1440	1388	1399	1401	1441	1391
25	1326	1343	1332	1321	1365	1501	1658	1727	1741	1743	1743	1735	1671	1542	1378	1334	1346	1355	1341
30	1267	1294	1267	1244	1382	1561	1651	1663	1665	1666	1667	1669	1660	1579	1401	1266	1284	1306	1282
35	1195	1200	1181	1188	1370	1530	1569	1571	1573	1573	1575	1576	1578	1547	1398	1218	1192	1210	1211
40	1111	1105	1082	1142	1339	1451	1460	1463	1465	1466	1467	1469	1470	1463	1368	1165	1098	1117	1129
45	1016	996	987	1077	1255	1334	1335	1338	1340	1341	1342	1345	1347	1351	1283	1096	996	1011	1034
50	908	883	864	988	1148	1193	1194	1195	1195	1198	1199	1205	1207	1211	1167	1015	891	901	927
55	787	765	747	872	1001	1036	1036	1037	1036	1038	1041	1047	1049	1055	1024	894	771	784	809
60	653	635	621	737	844	861	858	861	862	863	867	872	873	880	866	766	648	657	675
65	506	496	486	585	658	673	668	654	643	641	647	667	681	687	680	614	511	518	530
70	357	352	348	417	464	456	450	449	449	451	454	459	461	478	485	445	369	373	378
75	197	210	209	252	264	268	253	255	254	253	257	262	263	283	283	277	234	232	221
80	70.6	89.4	90.6	101	98.9	102	101	97.5	94.4	95.6	97.1	105	109	117	111	115	105	108	84.8
85	6.14	36.8	34.6	27.9	21.3	18.5	16.5	16.7	15.5	15.4	16.1	18.5	19.3	22.4	25.6	32.3	37.7	40.8	11.9
90	1.61	34.2	30.9	21.7	14.1	9.77	7.35	5.72	4.45	3.54	4.42	5.68	7.29	9.63	13.8	20.8	29.0	32.6	1.99
95	2.04	33.6	29.7	20.9	14.0	10.2	8.06	6.53	5.30	4.62	5.25	6.47	7.96	10.1	13.7	20.1	28.0	32.1	2.23
100	2.62	30.0	26.4	19.0	13.5	10.5	8.73	7.43	6.29	5.86	6.25	7.36	8.64	10.4	13.2	18.2	24.8	28.6	2.83
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	1302	1300	1300	1300	1300	1300	1300	1301	1301	1299	1301	1298	1303	1301	1306	1308	1309		
5	1364	1349	1336	1331	1278	1303	1285	1268	1252	1269	1279	1308	1299	1322	1336	1348	1353		
10	1459	1429	1412	1352	1298	1276	1271	1259	1263	1260	1286	1288	1315	1372	1402	1402	1427		
15	1475	1452	1443	1404	1362	1365	1401	1433	1452	1434	1399	1367	1368	1390	1438	1446	1484		
20	1445	1413	1385	1378	1424	1505	1594	1663	1685	1663	1594	1506	1412	1375	1367	1396	1384		
25	1341	1354	1327	1361	1499	1644	1718	1731	1728	1728	1714	1643	1500	1350	1309	1328	1337		
30	1293	1274	1250	1379	1552	1644	1655	1652	1651	1649	1649	1636	1551	1374	1234	1252	1266		
35	1202	1185	1196	1373	1526	1565	1564	1561	1559	1557	1556	1554	1516	1365	1189	1162	1177		
40	1109	1096	1147	1344	1448	1461	1458	1455	1452	1450	1448	1448	1435	1339	1136	1075	1091		
45	1010	999	1079	1266	1340	1340	1336	1334	1330	1329	1326	1326	1323	1254	1070	971	993		
50	901	885	995	1162	1204	1204	1199	1197	1192	1192	1188	1190	1187	1145	985	865	883		
55	781	768	888	1018	1051	1051	1047	1044	1038	1039	1036	1037	1034	1002	870	751	765		
60	658	646	755	869	883	883	877	866	850	859	865	867	863	850	746	632	634		
65	519	518	612	691	698	674	665	665	655	659	654	656	677	669	594	494	496		
70	375	376	445	497	484	483	480	482	473	475	470	472	469	472	428	359	352		
75	231	238	276	301	301	291	284	287	278	282	276	279	285	283	256	221	210		
80	106	108	120	127	129	132	124	122	117	119	118	123	117	112	108	95.5	92.0		
85	39.3	37.3	33.0	30.4	27.6	28.1	26.5	25.9	23.4	24.5	24.3	24.2	22.8	25.0	28.4	34.4	37.1		
90	31.6	27.9	19.8	13.4	9.69	7.53	6.00	4.74	3.73	4.60	5.84	7.37	9.54	13.3	20.0	29.0	34.2		
95	31.2	27.2	19.4	13.5	10.3	8.30	6.86	5.63	4.85	5.52	6.73	8.18	10.1	13.5	19.5	28.0	33.5		
100	27.8	24.2	17.8	13.2	10.7	9.08	7.83	6.69	6.15	6.60	7.72	9.00	10.6	13.2	18.0	25.1	30.0		
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: