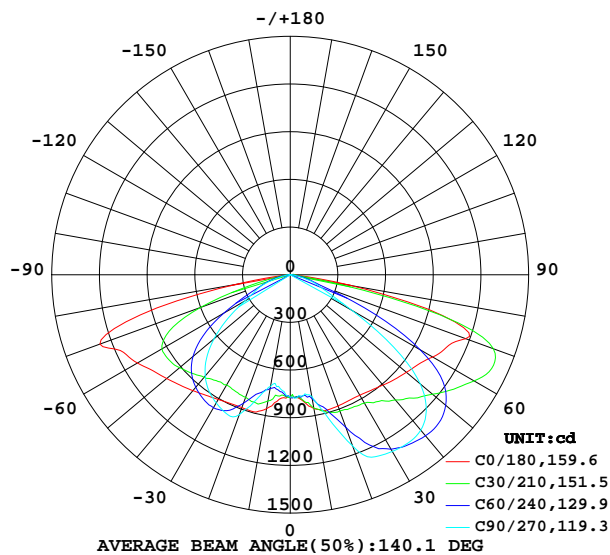
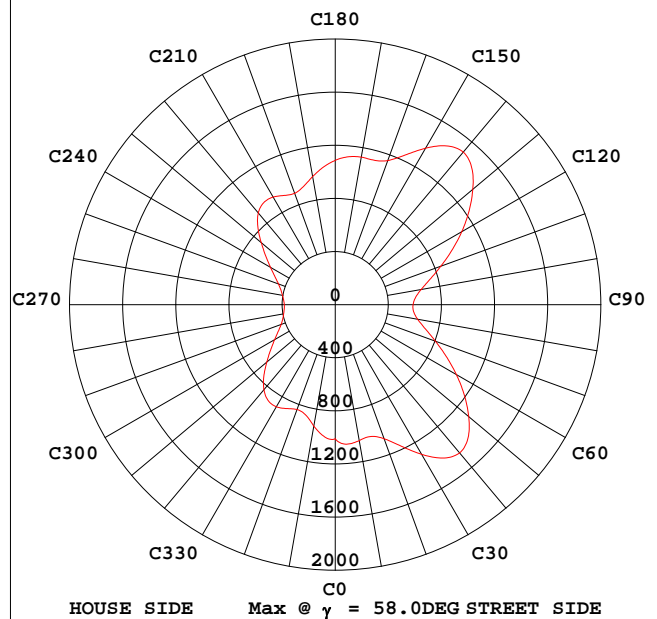


STREETLIGHT PHOTOMETRIC TEST REPORT

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 3M 3030	Imax(cd)	1500	η street_up(%)	0.2
NOMINAL POWER(W)	37	LOR(%)	100.0	η street_down(%)	58.1
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	4255	η house_up(%)	0.2
NOMINAL FLUX(lm)	4255	MAXIMUM @ (C, γ)	140,58.0	η house_down(%)	41.5
LAMPS INSIDE	1	η up(%)	0.4	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	220.1	η down(%)	99.6	SLI	22.396

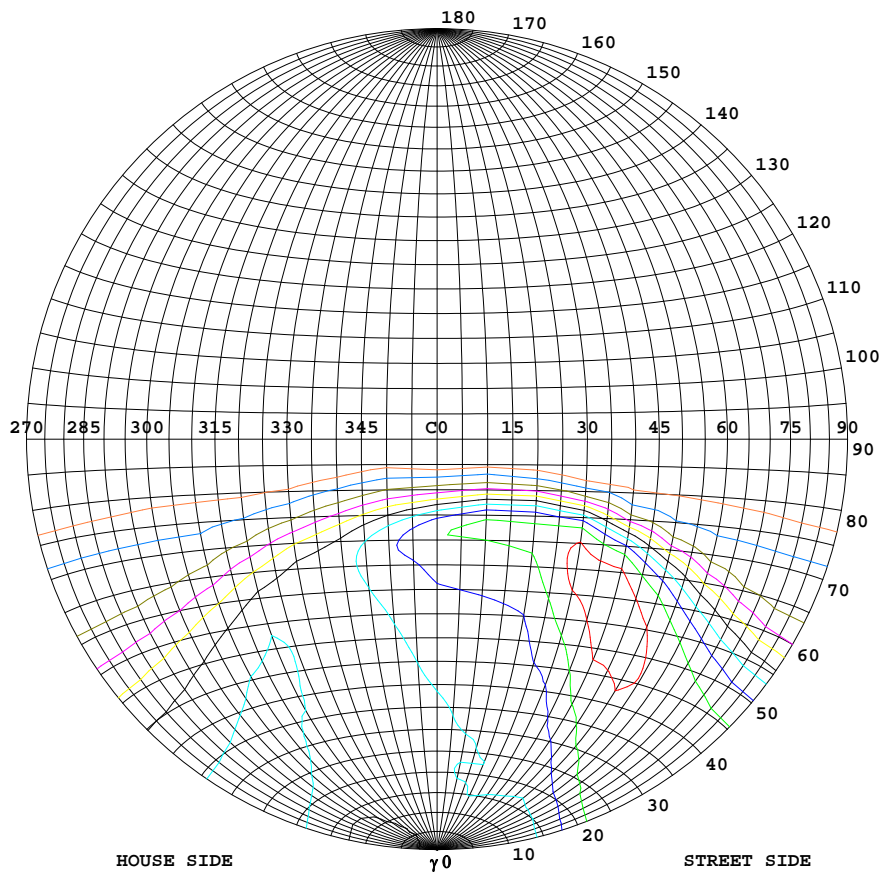
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:



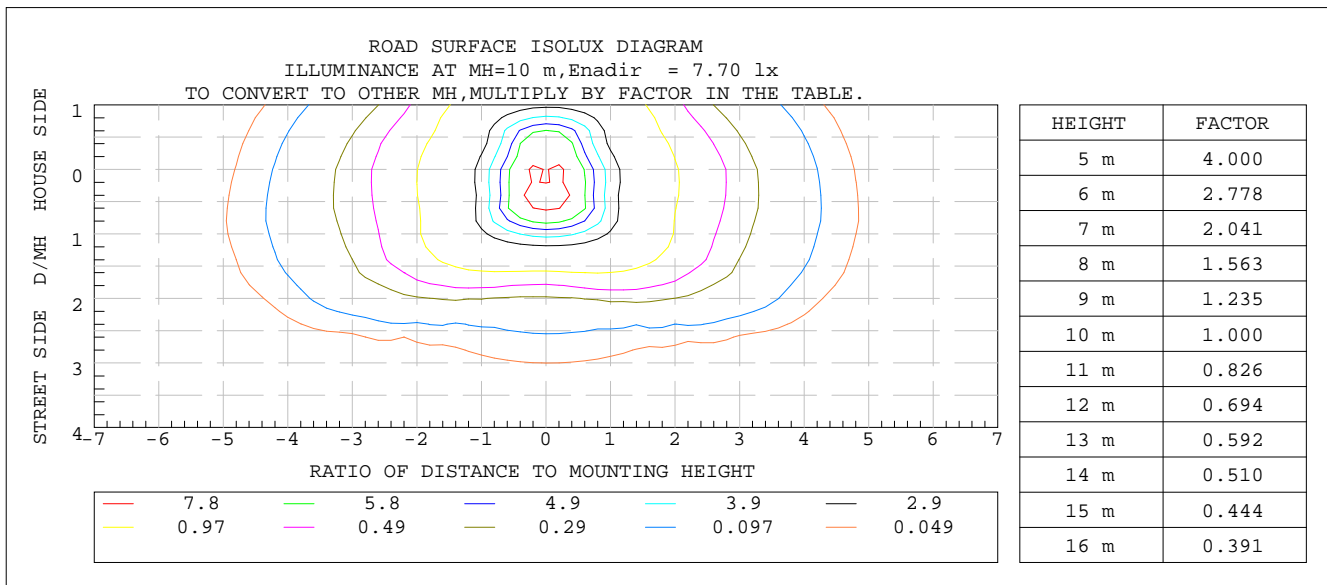
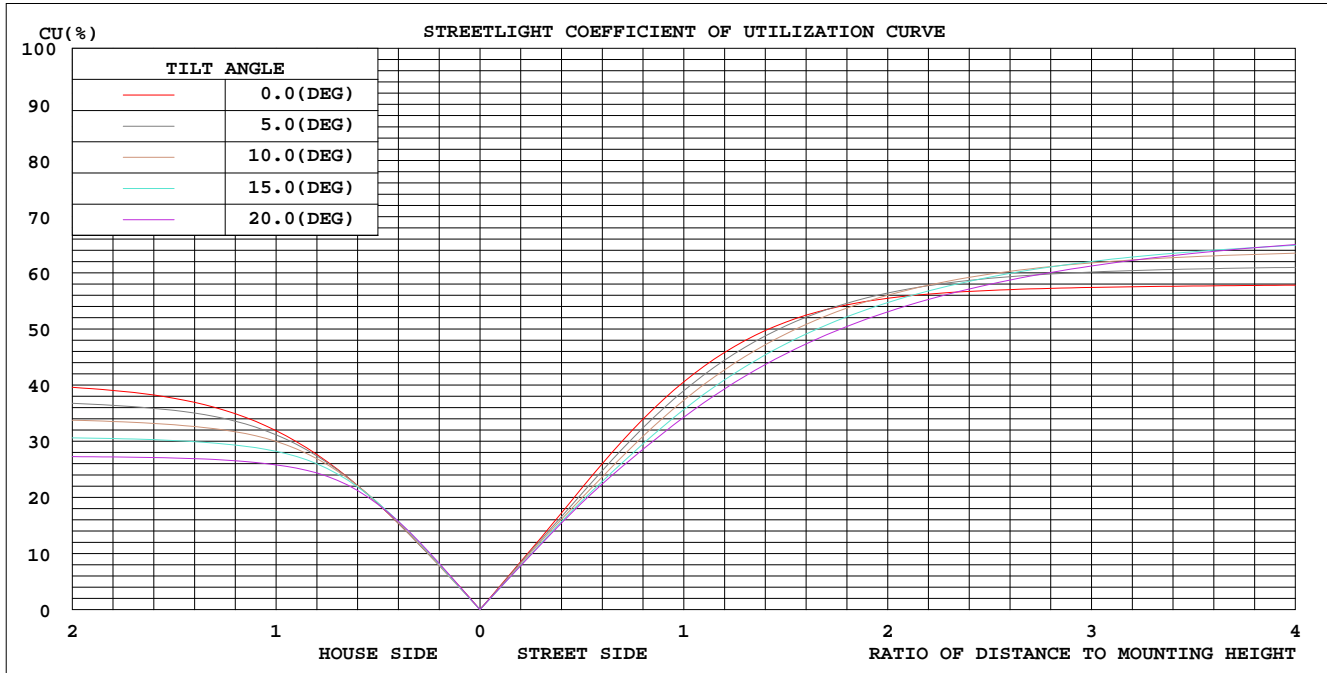
Classification:

IES:Type III - Short
 CIE:Broad - Short
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:113.8cd/klm
 Max.At90:9.946cd/klm
 Max.80-90:113.8cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	1500
90%	1350
80%	1200
70%	1050
60%	900
50%	750
40%	600
30%	450
20%	300
10%	150
5%	75

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:

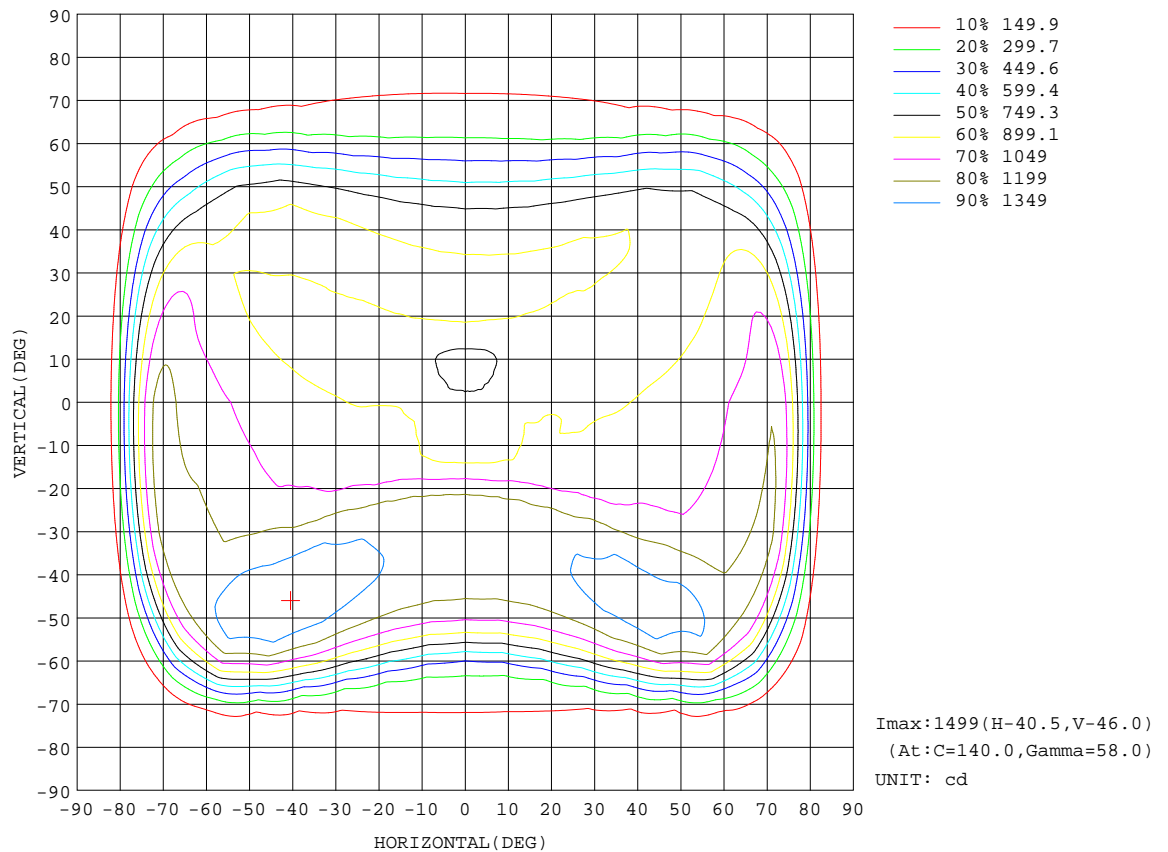
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	853.9	814.4	777.3	824.2	855.6	765.3	711.8	758.9	0- 10	73.81	73.81	1.73,1.73
20	878.6	935.3	1144	957.3	890.2	808.8	935.3	797.1	10- 20	245.3	319.1	7.5,7.5
30	875.4	1114	1284	1155	906.5	896.6	931.9	881.0	20- 30	450.6	769.7	18.1,18.1
40	906.6	1281	1277	1321	951.7	955.4	832.7	922.0	30- 40	640.0	1410	33.1,33.1
50	955.0	1385	1067	1423	1016	937.9	624.9	883.8	40- 50	791.6	2201	51.7,51.7
60	1035	1360	449.3	1398	1111	752.8	330.3	694.9	50- 60	842.0	3043	71.5,71.5
70	1176	796.6	177.5	833.9	1275	293.3	176.8	279.0	60- 70	732.2	3775	88.7,88.7
80	384.4	77.30	41.50	81.25	343.0	63.38	41.20	61.84	70- 80	414.0	4189	98.5,98.5
90	2.955	14.03	2.381	13.44	3.369	12.42	2.588	12.67	80- 90	48.36	4238	99.6,99.6
100	4.388	11.74	3.782	10.95	4.726	11.91	4.674	12.43	90-100	16.38	4254	100,100
110	0	0	0	0	0	0	0	0	100-110	0.7118	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

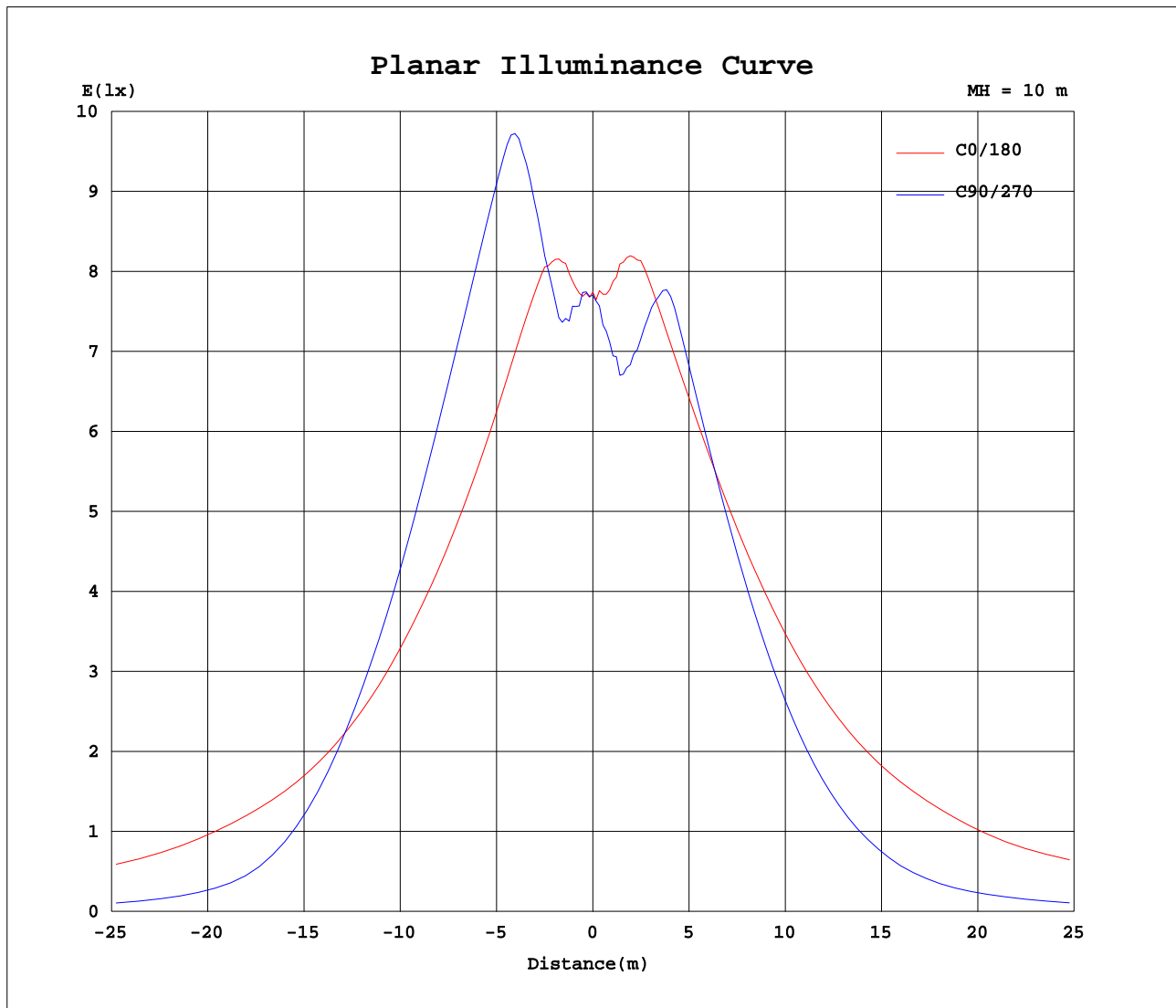
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:



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



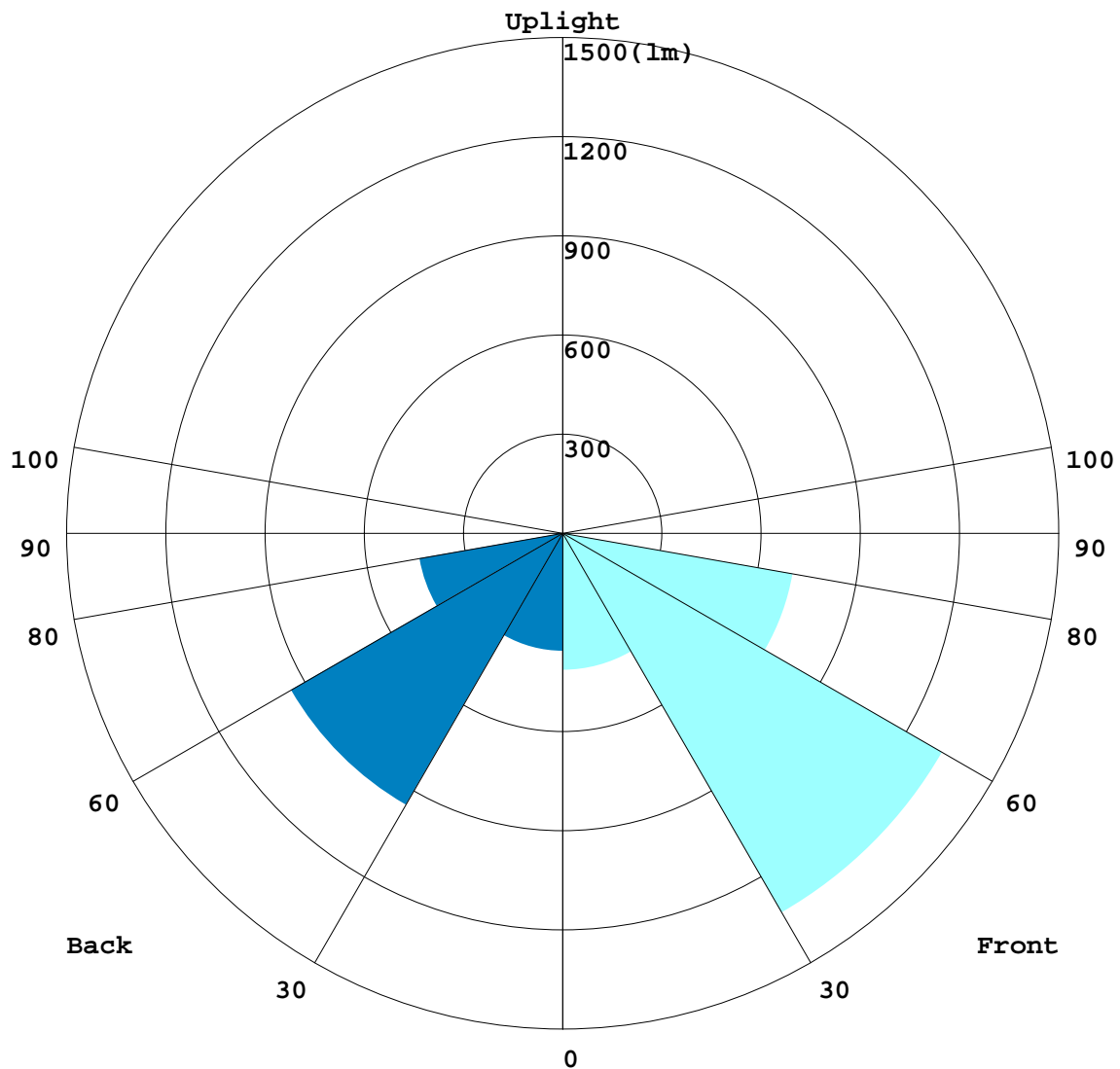
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2017.10.31

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)	413.41	9.7
FM - Front-Medium(30-60)	1325.1	31.1
FH - Front-High(60-80)	706.44	16.6
FVH - Front-Very High(80-90)	27.562	0.6
Total Forward Light	2481.3	58.3

BL - Back-Low(0-30)	356.28	8.4
BM - Back-Medium(30-60)	948.54	22.3
BH - Back-High(60-80)	439.74	10.3
BVH - Back-Very High(80-90)	20.794	0.5
Total Back Light	1773.7	41.7

UL - Uplight-Low(90-100)	16.384	0.4
UH - Uplight-High(100-180)	0.71176	0.0
Total Up Light	17.095	0.4

BUG(Back,Up,Glare) Rating	B1-U2-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1765.3	8.3107	1773.7
Street Side	2472.5	8.7847	2481.3

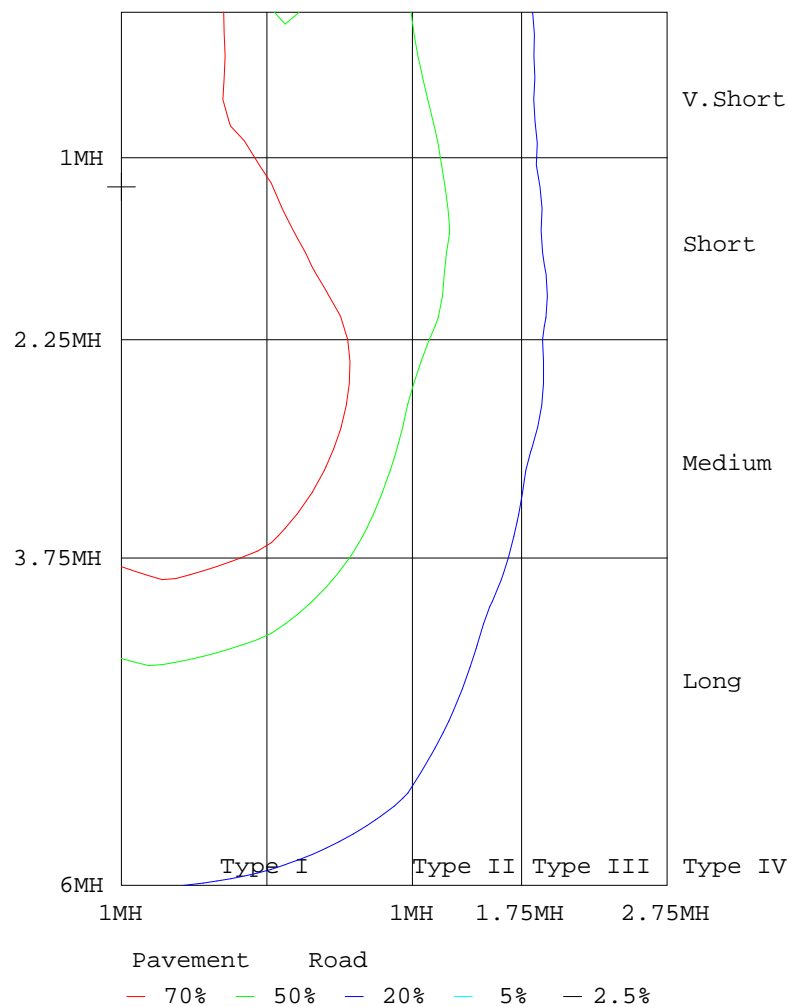
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017.10.31

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	774	775	774	774	774	773	774	772	774	770	773	769	772	768	770	768	768	766	774
5	789	787	791	781	782	774	773	766	771	765	774	769	776	777	785	783	790	789	786
10	854	863	858	852	824	805	792	786	778	777	783	791	797	812	836	865	871	870	856
15	883	884	903	895	892	872	876	900	928	937	930	905	886	888	911	921	928	905	892
20	879	905	902	913	919	951	1021	1078	1134	1144	1140	1091	1036	970	945	943	932	931	890
25	873	891	906	923	956	1069	1183	1239	1259	1263	1264	1252	1204	1097	991	954	943	920	894
30	875	905	918	934	1040	1187	1267	1279	1281	1284	1287	1292	1291	1226	1084	971	966	949	906
35	887	922	940	973	1137	1277	1303	1296	1292	1293	1297	1310	1327	1311	1183	1018	986	965	926
40	907	938	955	1028	1232	1330	1323	1299	1280	1277	1287	1314	1348	1364	1278	1084	1009	988	952
45	931	960	982	1098	1304	1369	1321	1263	1219	1210	1228	1281	1349	1403	1352	1156	1044	1016	982
50	955	981	1011	1170	1384	1385	1277	1168	1087	1067	1101	1194	1311	1420	1426	1236	1070	1050	1016
55	984	1013	1049	1255	1438	1357	1173	978	832	794	854	1014	1212	1396	1481	1311	1117	1094	1054
60	1035	1066	1099	1336	1460	1260	945	669	492	449	519	714	997	1302	1493	1398	1178	1160	1111
65	1084	1134	1162	1398	1376	1004	589	334	258	258	267	368	643	1055	1400	1449	1235	1207	1156
70	1176	1199	1239	1359	1063	530	233	185	178	177	180	191	256	578	1090	1377	1300	1308	1275
75	993	1146	1119	972	403	160	128	117	105	102	106	119	131	175	434	942	1067	1091	977
80	384	484	435	214	82.1	72.5	60.6	52.2	44.7	41.5	45.4	52.8	62.1	74.8	87.7	207	360	400	343
85	32.2	62.2	51.6	41.4	29.7	22.5	16.5	14.6	12.1	10.9	12.2	14.8	16.8	23.0	29.9	41.5	50.8	53.2	25.3
90	2.95	42.3	38.2	27.4	17.2	10.9	7.34	5.12	3.49	2.38	3.43	5.00	7.11	10.4	16.5	26.2	36.5	40.8	3.37
95	3.62	38.8	34.5	24.9	16.1	10.8	7.65	5.55	3.93	3.03	3.81	5.35	7.31	10.2	15.2	23.4	32.3	36.6	3.94
100	4.39	30.5	27.0	19.6	13.5	9.95	7.62	5.91	4.47	3.78	4.32	5.63	7.19	9.33	12.6	18.0	24.3	27.7	4.73
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	775	774	774	774	773	774	772	774	770	773	769	772	768	770	768	768	766		
5	783	772	767	747	743	738	725	722	720	722	722	734	743	743	767	778	781		
10	841	822	806	781	749	726	720	709	712	704	716	723	743	775	795	818	837		
15	891	860	835	802	778	773	783	799	810	799	782	766	770	791	820	843	871		
20	871	854	821	803	814	859	895	922	935	920	893	855	809	785	806	835	847		
25	872	843	811	814	881	944	966	964	960	960	958	938	875	797	786	816	854		
30	877	835	800	854	939	966	954	939	932	933	941	949	924	838	780	806	845		
35	879	829	814	900	966	954	924	902	892	895	908	930	940	883	789	801	850		
40	890	834	843	945	966	925	879	848	833	839	860	896	930	914	812	800	862		
45	908	838	876	963	949	878	811	766	745	755	788	843	906	925	845	803	872		
50	929	853	909	971	904	799	707	650	625	638	683	759	852	916	868	811	887		
55	957	875	932	942	814	670	561	502	478	491	536	631	758	883	880	830	910		
60	996	904	932	853	652	482	381	344	330	337	365	450	600	789	878	848	945		
65	1054	901	840	651	414	296	250	244	243	242	244	278	380	603	796	861	995		
70	1039	778	597	360	226	187	182	179	177	178	180	183	214	344	590	775	1017		
75	737	458	263	159	124	119	107	98.6	93.0	97.2	104	116	122	157	272	487	751		
80	273	137	81.3	65.9	60.9	56.2	49.3	45.5	41.2	44.6	48.2	54.2	59.2	64.5	83.0	164	307		
85	52.4	39.8	29.7	23.6	19.6	16.5	14.7	13.3	11.3	13.0	14.4	16.1	19.0	23.5	29.7	41.6	57.3		
90	36.6	30.5	21.5	14.6	10.3	7.47	5.38	3.76	2.59	3.69	5.36	7.54	10.4	14.9	22.3	32.0	39.0		
95	33.4	28.2	20.4	14.5	10.8	8.22	6.14	4.50	3.51	4.49	6.23	8.41	11.1	15.0	21.3	30.0	36.4		
100	26.3	22.7	17.3	13.2	10.6	8.65	6.89	5.40	4.67	5.47	7.10	8.97	11.0	13.8	18.4	24.8	29.5		
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: