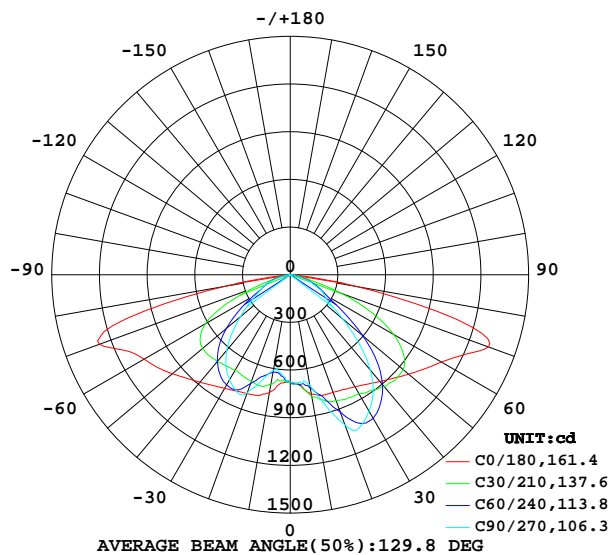
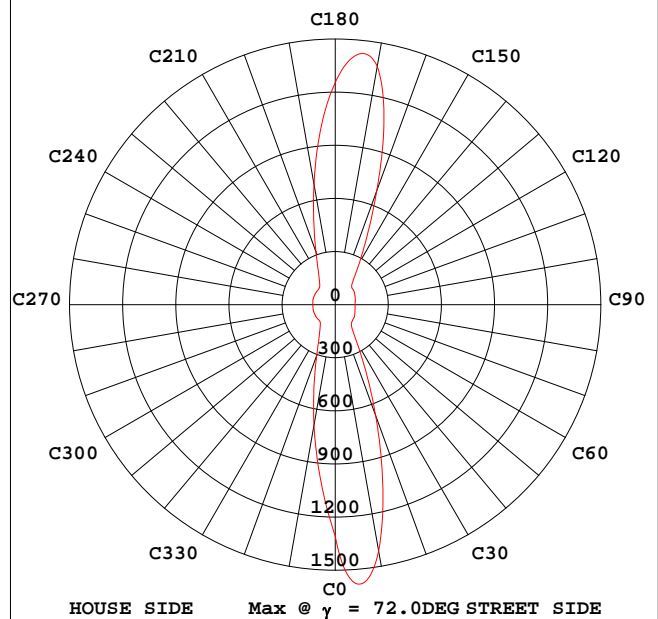


STREETLIGHT PHOTOMETRIC TEST REPORT

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

DATA OF LAMP		PHOTOMETRIC DATA Eff: 115.00lm/W			
MODEL	LD27LMA 2M 3030	Imax(cd)	1413	η street_up(%)	0.2
NOMINAL POWER(W)	27	LOR(%)	100.0	η street_down(%)	55.0
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	3105	η house_up(%)	0.2
NOMINAL FLUX(lm)	3105	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	22.576

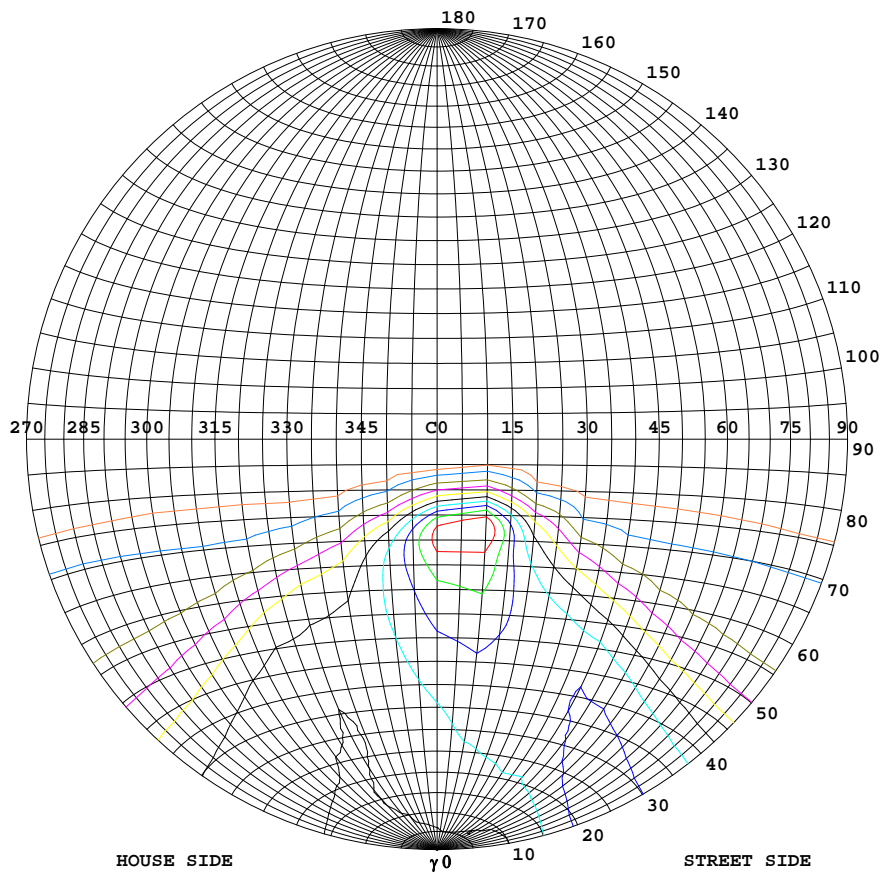
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:



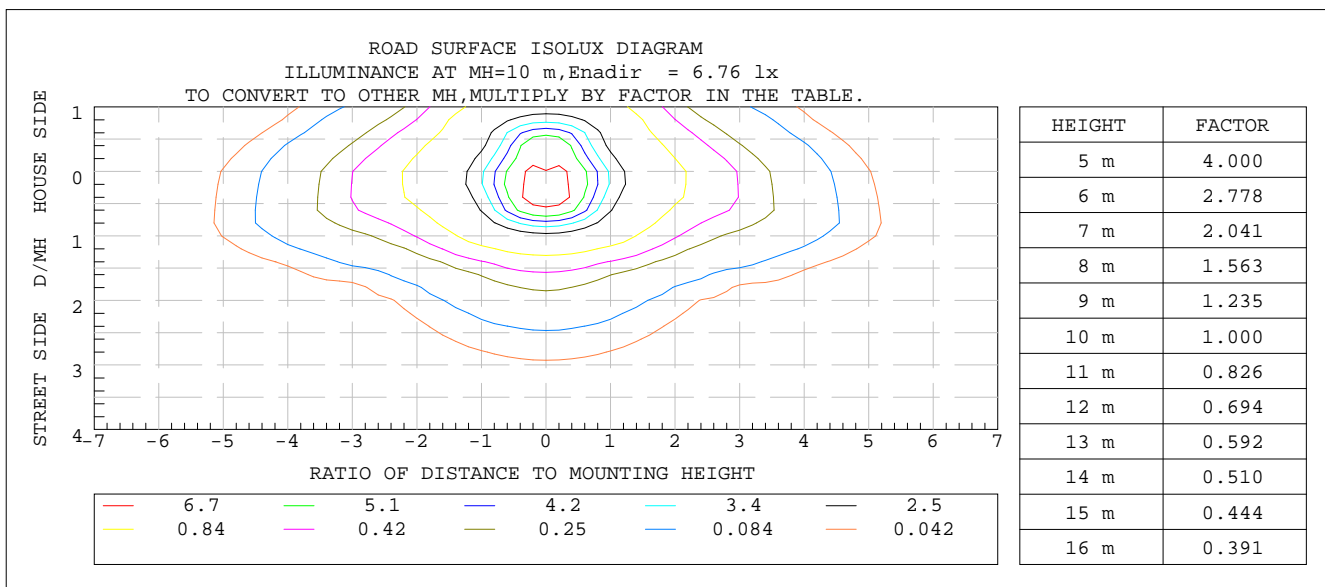
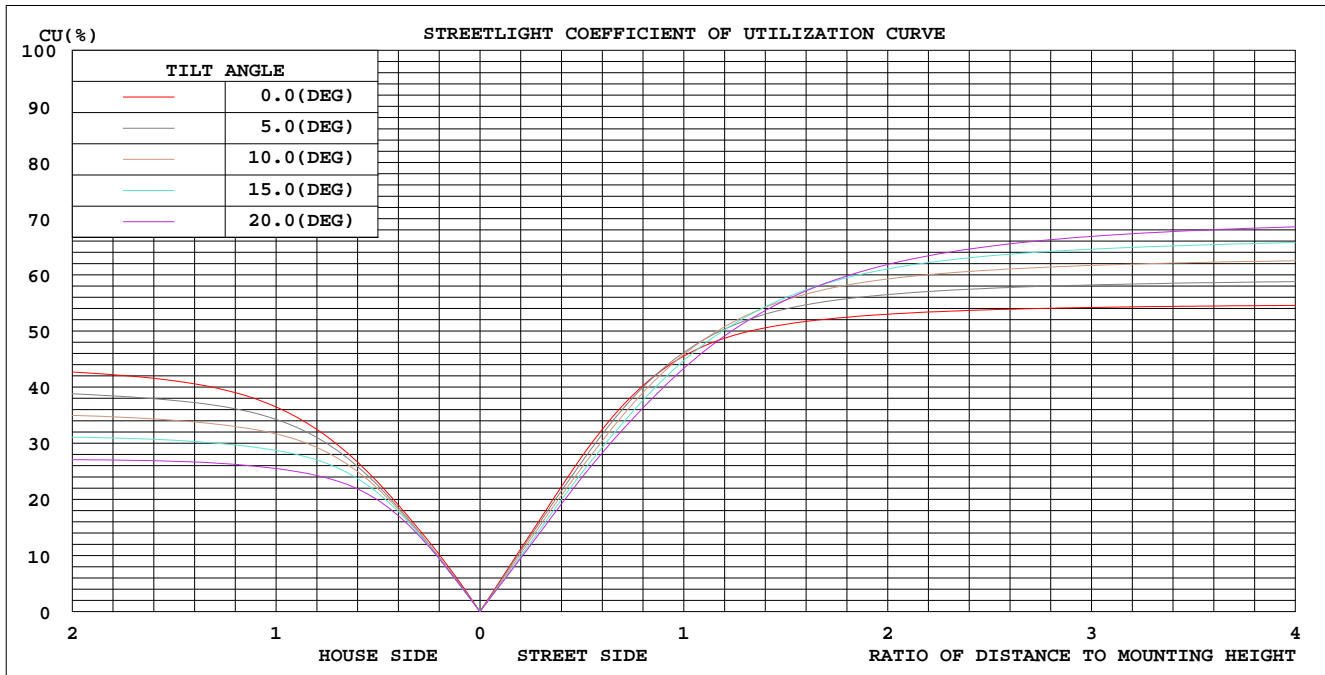
Classification:

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%	1413
90%	1271
80%	1130
70%	989
60%	848
50%	706
40%	565
30%	424
20%	283
10%	141
5%	71

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:

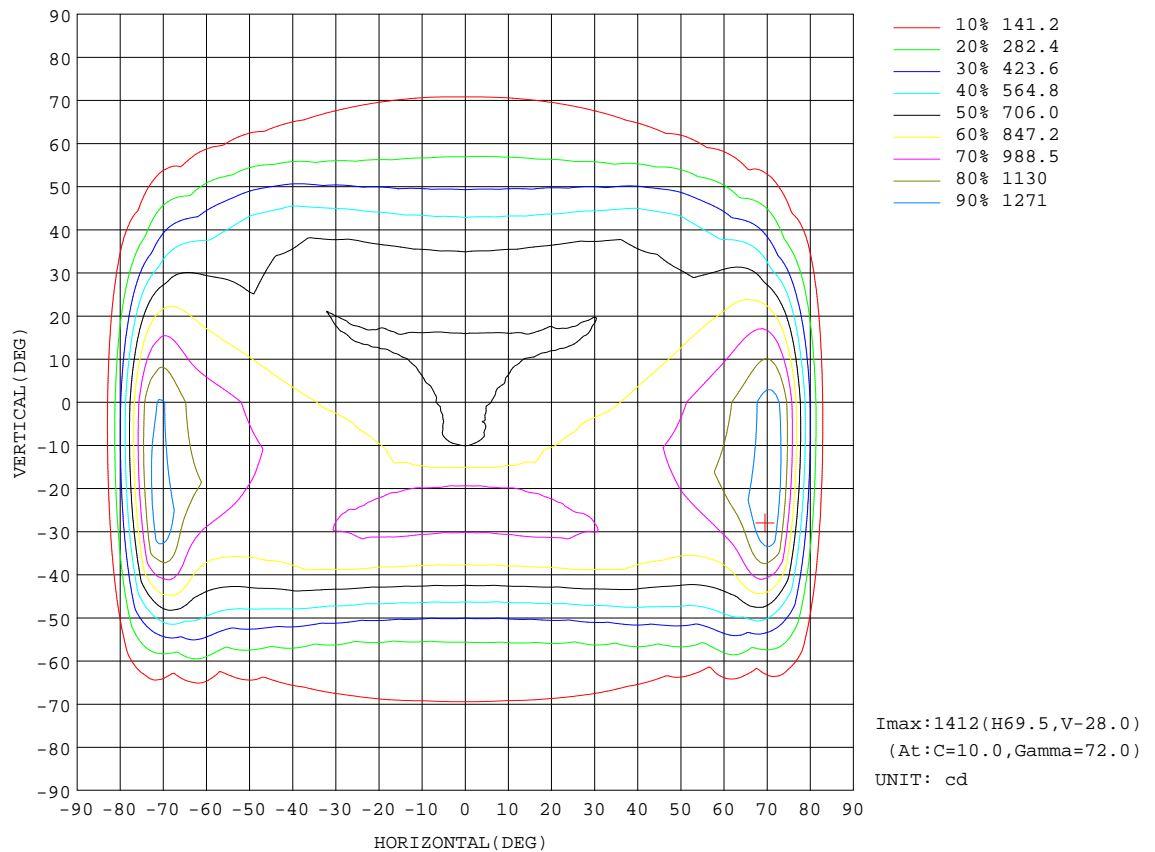
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	763.1	743.6	702.6	731.8	751.4	658.5	610.8	663.6	0- 10	65.23	65.23	2.1,2.1
20	788.2	854.0	1005	852.5	795.9	694.9	790.4	691.8	10- 20	217.1	282.3	9.09,9.09
30	814.2	980.3	991.0	985.0	825.5	762.2	764.0	763.9	20- 30	392.6	674.9	21.7,21.7
40	877.7	986.4	784.2	985.7	883.0	769.4	621.8	772.0	30- 40	527.6	1202	38.7,38.7
50	973.2	810.6	427.2	811.6	968.8	669.7	408.2	660.5	40- 50	586.1	1789	57.6,57.6
60	1099	451.6	243.1	462.5	1062	419.8	239.3	406.1	50- 60	545.5	2334	75.2,75.2
70	1327	167.7	135.6	171.8	1278	159.8	150.1	155.3	60- 70	449.4	2783	89.6,89.6
80	419.3	47.65	31.28	51.49	409.4	51.45	36.63	47.77	70- 80	268.4	3052	98.3,98.3
90	2.395	10.71	1.978	10.49	2.732	9.538	2.045	9.371	80- 90	39.06	3091	99.5,99.5
100	3.370	9.285	3.092	9.060	3.746	9.093	3.212	9.069	90-100	13.46	3104	100,100
110	0	0	0	0	0	0	0	0	100-110	0.5855	3105	100,100
120	0	0	0	0	0	0	0	0	110-120	0	3105	100,100
130	0	0	0	0	0	0	0	0	120-130	0	3105	100,100
140	0	0	0	0	0	0	0	0	130-140	0	3105	100,100
150	0	0	0	0	0	0	0	0	140-150	0	3105	100,100
160	0	0	0	0	0	0	0	0	150-160	0	3105	100,100
170	0	0	0	0	0	0	0	0	160-170	0	3105	100,100
180	0	0	0	0	0	0	0	0	170-180	0	3105	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

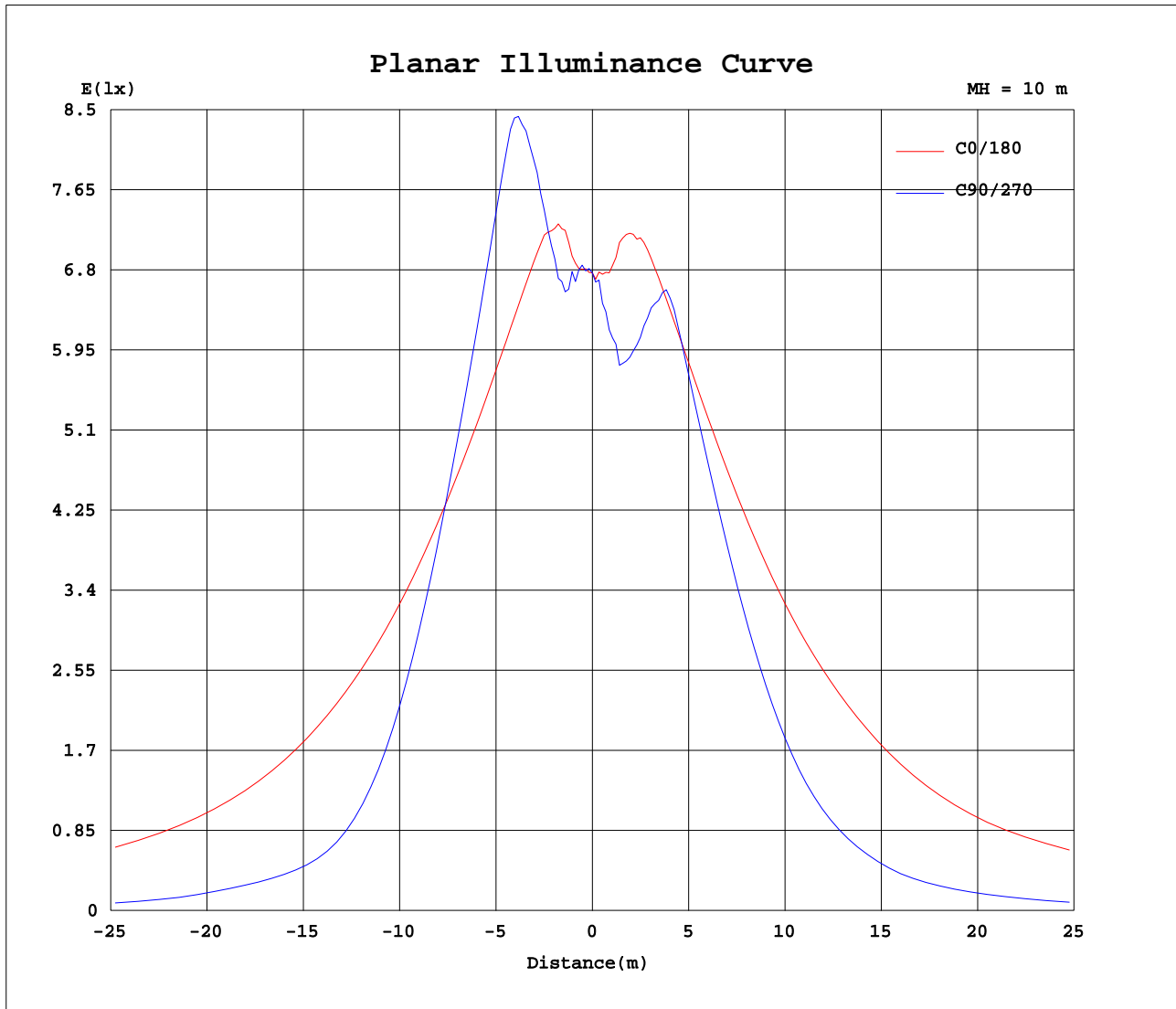
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:



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



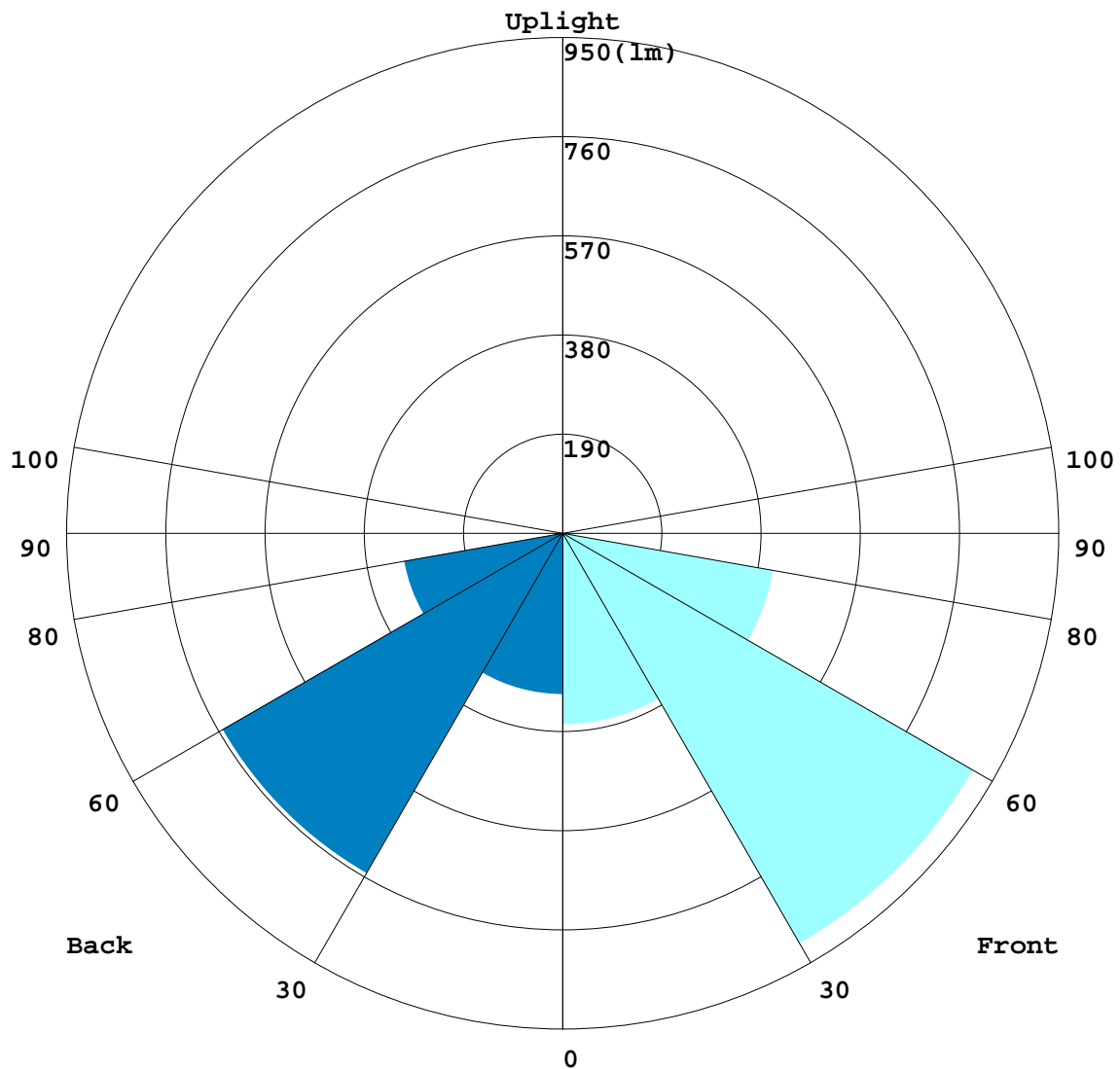
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2017.10.31

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)	366.4	11.8
FM - Front-Medium(30-60)	907.34	29.2
FH - Front-High(60-80)	409.82	13.2
FVH - Front-Very High(80-90)	23.051	0.7
Total Forward Light	1714	55.2

BL - Back-Low(0-30)	308.51	9.9
BM - Back-Medium(30-60)	751.84	24.2
BH - Back-High(60-80)	307.97	9.9
BVH - Back-Very High(80-90)	16.009	0.5
Total Back Light	1391	44.8

UL - Uplight-Low(90-100)	13.458	0.4
UH - Uplight-High(100-180)	0.58545	0.0
Total Up Light	14.044	0.5

BUG(Back,Up,Glare) Rating	B1-U2-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1384.3	6.6685	1391
Street Side	1706.6	7.375	1714

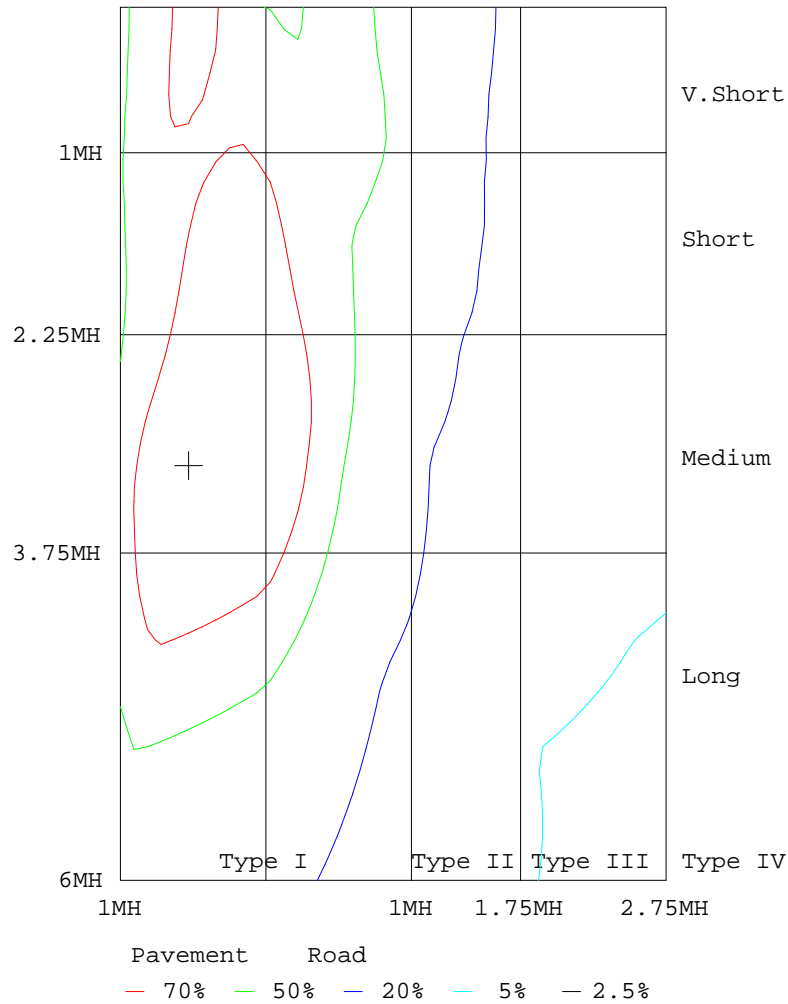
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017.10.31

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	677	678	675	677	674	678	675	677	675	677	675	676	676	676	676	675	676	675	677
5	695	707	706	700	703	691	699	691	684	675	679	688	697	688	698	693	692	699	685
10	763	768	775	776	755	733	724	714	707	703	706	707	714	717	746	768	768	758	751
15	785	808	824	819	817	796	795	816	837	844	834	817	794	791	809	817	824	812	787
20	788	832	835	844	840	868	918	965	1000	1005	1000	964	922	867	837	844	842	843	796
25	797	834	853	857	877	954	1031	1055	1054	1050	1054	1058	1036	964	881	859	859	838	807
30	814	867	877	865	937	1024	1043	1018	997	991	997	1019	1044	1028	942	869	881	874	825
35	841	893	899	889	977	1024	990	947	918	909	917	946	989	1025	982	894	898	892	851
40	878	930	917	917	995	978	903	841	797	784	797	839	901	974	997	923	916	924	883
45	921	972	941	936	961	885	771	687	630	614	631	687	771	884	961	935	934	962	921
50	973	1021	946	928	883	739	593	500	442	427	442	500	594	740	883	928	943	1009	969
55	1032	1078	947	869	735	548	404	331	299	292	296	329	407	554	745	866	944	1061	1018
60	1099	1142	922	751	545	359	269	250	244	243	242	244	265	365	560	763	921	1105	1062
65	1197	1218	859	569	339	230	205	193	187	187	187	191	202	229	357	592	850	1150	1134
70	1327	1365	743	338	180	155	147	141	136	136	136	142	146	156	188	371	743	1286	1278
75	1081	1239	481	132	106	97.8	91.3	84.0	76.8	76.0	77.6	85.5	93.4	101	109	149	521	1234	1066
80	419	517	120	61.1	50.5	44.8	40.9	37.0	33.0	31.3	33.4	38.0	42.8	47.8	55.2	65.4	140	554	409
85	40.9	64.5	40.1	28.3	19.2	14.5	11.6	10.5	9.07	8.24	9.29	11.1	12.5	15.7	20.4	29.8	42.1	67.8	32.9
90	2.39	37.1	32.0	21.5	13.1	8.35	5.78	4.13	2.85	1.98	2.86	4.15	5.79	8.25	12.7	20.8	31.2	37.2	2.73
95	2.85	33.6	28.9	19.8	12.4	8.33	5.99	4.44	3.19	2.50	3.18	4.43	5.96	8.20	12.1	19.3	28.3	33.8	3.14
100	3.37	26.6	23.0	16.1	10.8	7.81	5.99	4.68	3.58	3.09	3.56	4.64	5.90	7.64	10.5	15.5	22.0	25.8	3.75
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) γ (DEC)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	678	675	677	674	678	675	677	675	677	675	676	676	676	676	675	676	675		
5	694	678	671	657	645	641	630	617	624	622	626	644	646	651	669	681	688		
10	738	717	699	673	643	623	614	608	611	608	618	628	648	679	697	715	737		
15	784	749	724	691	664	662	668	680	689	680	669	661	668	691	722	746	780		
20	780	748	713	693	697	728	758	781	790	781	760	732	696	687	711	744	758		
25	772	742	703	700	752	799	813	810	806	810	815	802	755	699	700	734	770		
30	783	737	693	733	792	802	784	769	764	771	786	804	795	733	693	731	773		
35	784	728	701	756	792	769	734	713	704	713	735	770	796	763	703	729	783		
40	795	726	714	774	765	713	664	634	622	632	661	710	765	779	716	730	805		
45	810	719	721	758	712	633	569	533	518	530	563	624	705	761	729	727	825		
50	825	713	719	716	623	524	453	419	408	419	449	514	610	711	728	723	847		
55	835	703	691	630	498	394	341	320	315	323	342	389	483	620	696	721	869		
60	839	678	616	493	347	273	241	239	239	242	246	271	335	477	621	687	884		
65	837	593	460	311	216	192	191	195	196	196	194	194	209	295	453	596	889		
70	777	418	250	171	148	148	149	151	150	151	149	148	148	163	241	409	798		
75	489	186	112	104	99.7	98.1	91.9	86.7	82.8	85.6	89.9	95.6	96.8	100.0	105	174	466		
80	138	63.9	58.2	53.5	49.4	46.8	42.5	39.8	36.6	39.0	41.2	44.3	46.2	49.3	53.3	58.5	129		
85	41.8	33.8	25.1	19.4	16.2	14.2	12.9	11.7	9.97	11.2	12.0	12.9	14.5	17.7	23.2	31.3	38.7		
90	32.6	25.8	17.4	11.3	7.78	5.73	4.25	3.04	2.05	2.88	4.03	5.49	7.58	11.2	17.2	25.7	32.7		
95	30.3	24.4	16.8	11.3	8.01	6.03	4.58	3.39	2.58	3.25	4.41	5.88	7.89	11.2	16.5	24.1	30.3		
100	23.9	20.0	14.5	10.4	7.81	6.17	4.91	3.82	3.21	3.71	4.80	6.11	7.79	10.3	14.4	20.0	24.7		
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: