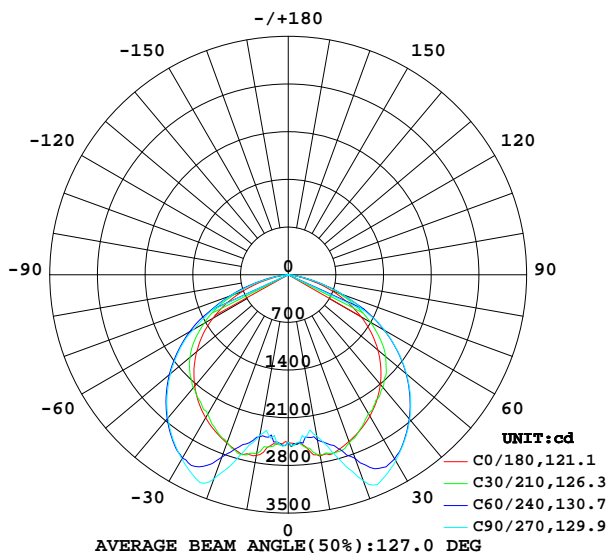
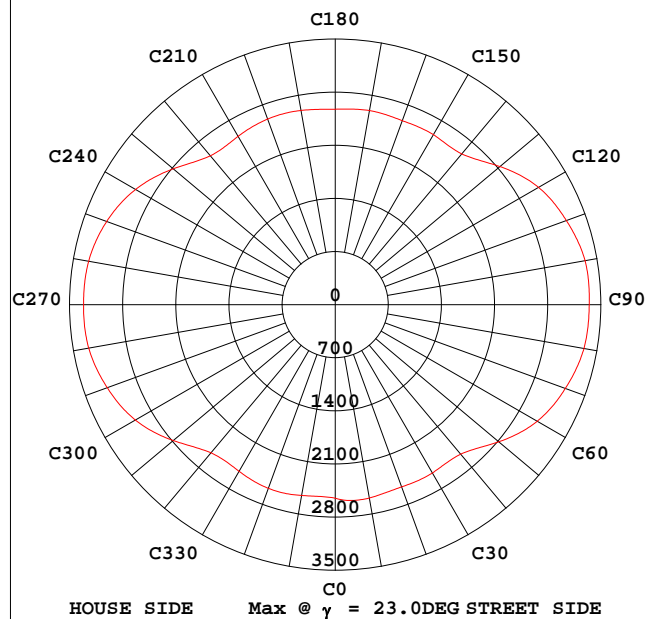


## STREETLIGHT PHOTOMETRIC TEST REPORT

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

DATA OF LAMP		PHOTOMETRIC DATA Eff: 130.00 lm/W			
MODEL	LD70LMA 5S 3030	Imax(cd)	3346	$\eta$ street_up(%)	0.2
NOMINAL POWER(W)	70	LOR(%)	100.0	$\eta$ street_down(%)	49.8
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	9100	$\eta$ house_up(%)	0.2
NOMINAL FLUX(lm)	9100	MAXIMUM @(C, $\gamma$ )	90,23.0	$\eta$ house_down(%)	49.9
LAMPS INSIDE	1	$\eta$ up(%)	0.3	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	220.1	$\eta$ down(%)	99.7	SLI	20.703

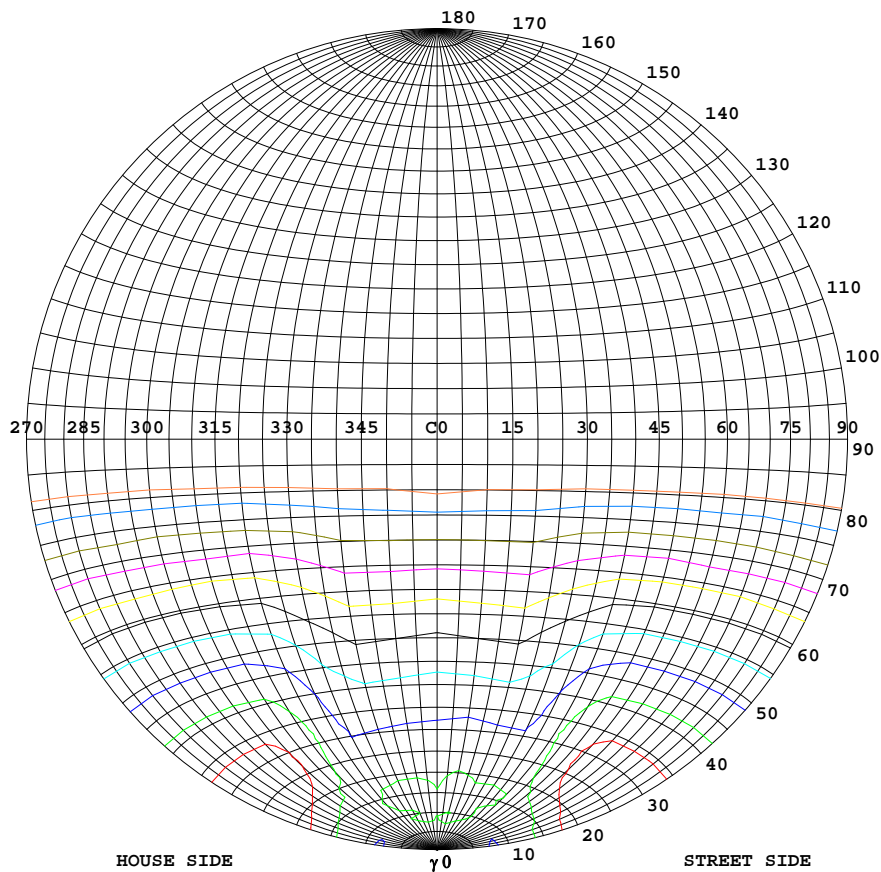
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

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

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  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:



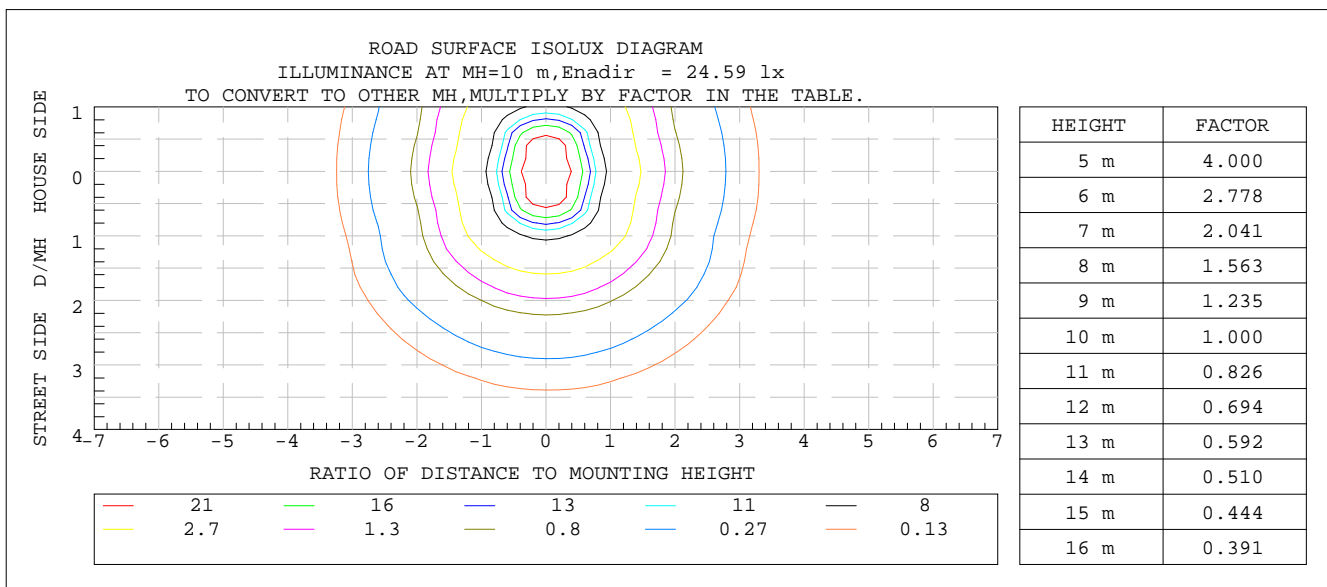
## Classification:

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%	3346
90%	3011
80%	2677
70%	2342
60%	2008
50%	1673
40%	1338
30%	1004
20%	669
10%	335
5%	167

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

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  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:

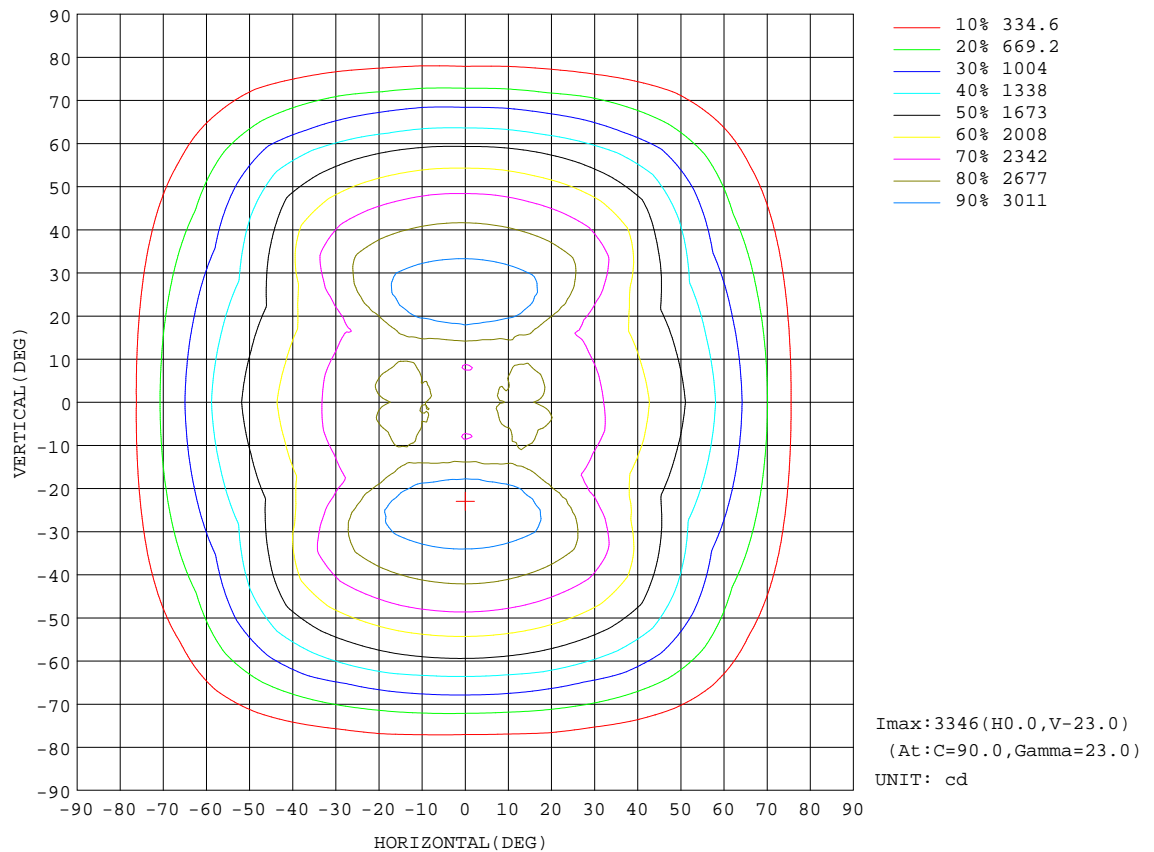
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	2703	2548	2398	2512	2691	2507	2390	2542	0- 10	238.7	238.7	2.62,2.62
20	2606	2651	3215	2675	2631	2650	3188	2636	10- 20	765.1	1004	11,11
30	2396	2784	3153	2819	2425	2772	3123	2767	20- 30	1307	2311	25.4,25.4
40	2103	2639	2774	2678	2137	2641	2747	2624	30- 40	1652	3963	43.5,43.5
50	1719	2214	2266	2250	1754	2239	2255	2206	40- 50	1759	5722	62.9,62.9
60	1236	1613	1633	1651	1276	1657	1609	1621	50- 60	1597	7319	80.4,80.4
70	674.6	870.2	852.9	911.0	715.1	927.8	895.1	889.7	60- 70	1150	8469	93.1,93.1
80	133.5	190.1	180.9	216.0	160.5	242.0	221.2	217.3	70- 80	521.9	8991	98.8,98.8
90	3.054	22.58	6.706	22.13	3.757	21.82	7.058	21.61	80- 90	78.84	9070	99.7,99.7
100	4.964	22.71	11.08	22.27	5.348	22.62	11.63	22.54	90-100	29.17	9099	100,100
110	0	0	0	0	0	0	0	0	100-110	1.401	9100	100,100
120	0	0	0	0	0	0	0	0	110-120	0	9100	100,100
130	0	0	0	0	0	0	0	0	120-130	0	9100	100,100
140	0	0	0	0	0	0	0	0	130-140	0	9100	100,100
150	0	0	0	0	0	0	0	0	140-150	0	9100	100,100
160	0	0	0	0	0	0	0	0	150-160	0	9100	100,100
170	0	0	0	0	0	0	0	0	160-170	0	9100	100,100
180	0	0	0	0	0	0	0	0	170-180	0	9100	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

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  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

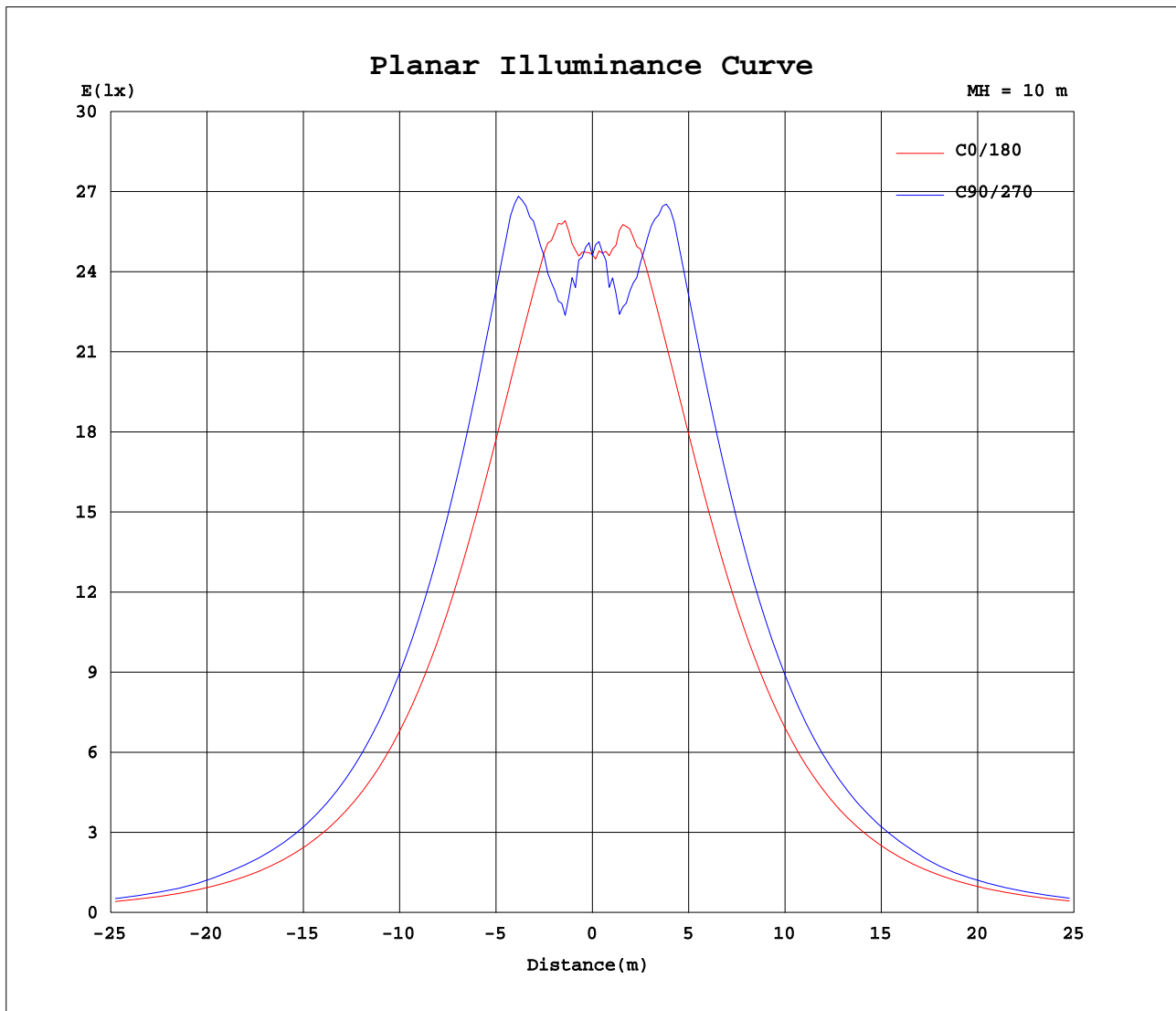
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:



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

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  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



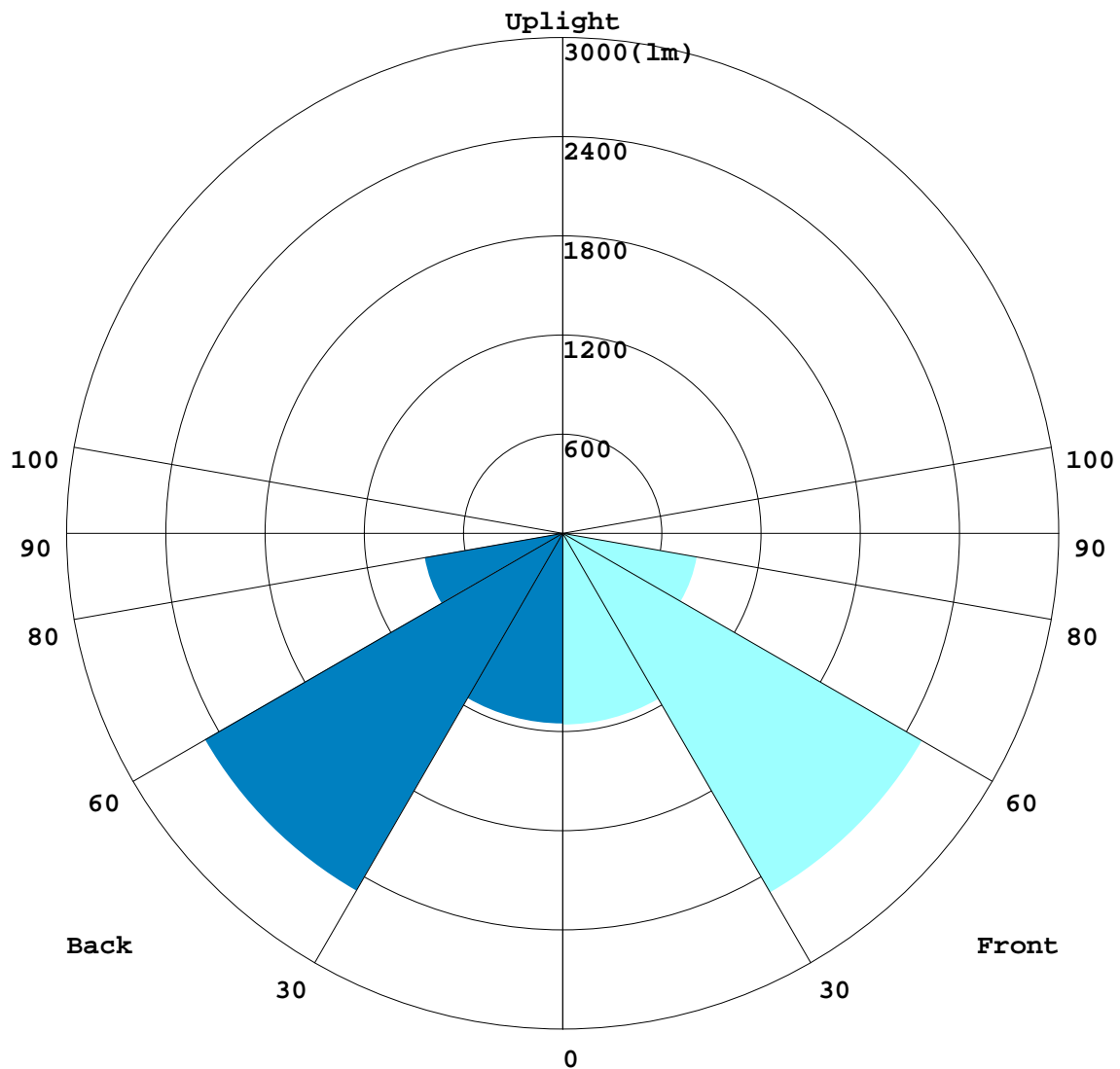
C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2017.10.31

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  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

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  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)	1158.9	12.7
FM - Front-Medium(30-60)	2510.1	27.6
FH - Front-High(60-80)	825.31	9.1
FVH - Front-Very High(80-90)	36.646	0.4
Total Forward Light	4546.4	50.0

BL - Back-Low(0-30)	1151.7	12.7
BM - Back-Medium(30-60)	2498.1	27.5
BH - Back-High(60-80)	846.57	9.3
BVH - Back-Very High(80-90)	42.193	0.5
Total Back Light	4553.7	50.0

UL - Uplight-Low(90-100)	29.166	0.3
UH - Uplight-High(100-180)	1.4006	0.0
Total Up Light	30.567	0.3

BUG(Back,Up,Glare) Rating	B3-U2-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4538.5	15.161	4553.7
Street Side	4531	15.406	4546.4

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

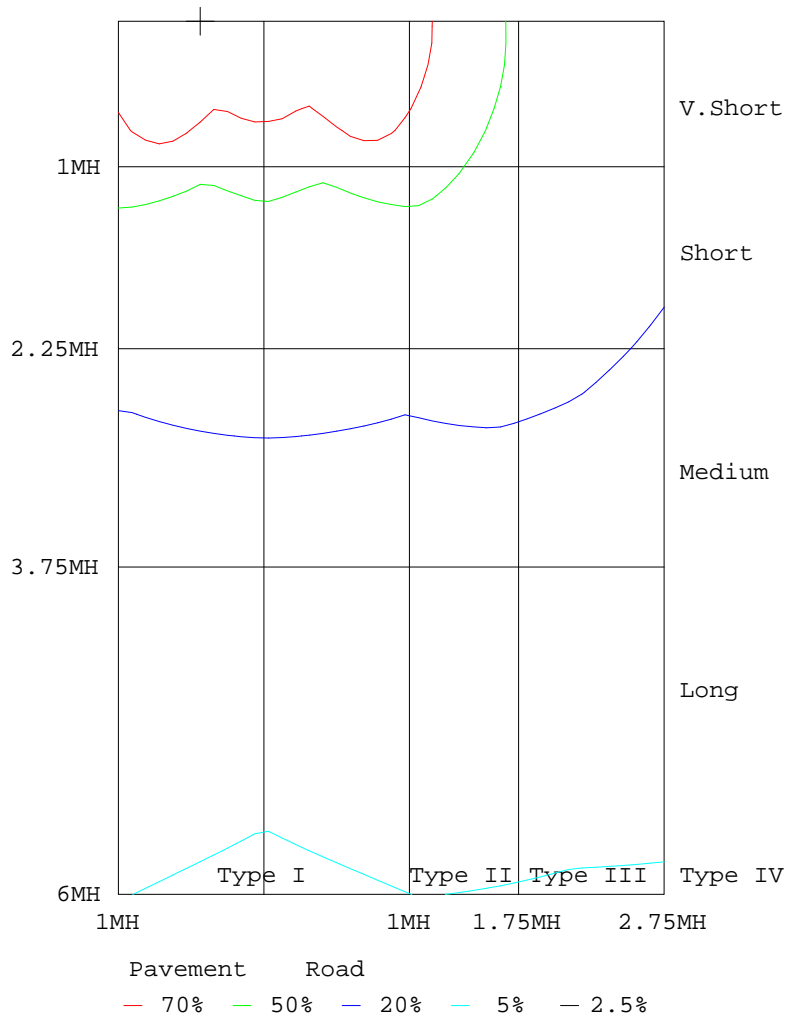
γ Range: 0 - 100DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.480m [K=1.0000]  
Remarks:



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

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  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	2465	2463	2460	2459	2460	2459	2460	2459	2460	2461	2457	2461	2456	2465	2462	2470	2475	2476	2465
5	2510	2576	2526	2524	2502	2471	2481	2403	2395	2368	2357	2434	2462	2438	2505	2505	2483	2572	2488
10	2703	2671	2706	2687	2591	2505	2465	2437	2401	2398	2379	2407	2428	2448	2576	2668	2701	2655	2691
15	2691	2781	2755	2701	2669	2599	2597	2657	2742	2768	2739	2689	2594	2586	2668	2717	2758	2794	2715
20	2606	2699	2629	2626	2594	2708	2869	3049	3173	3215	3179	3049	2916	2725	2625	2646	2650	2727	2631
25	2509	2541	2520	2500	2582	2840	3137	3268	3294	3298	3298	3283	3161	2917	2608	2524	2547	2563	2537
30	2396	2448	2398	2353	2614	2954	3124	3147	3150	3153	3154	3158	3140	2988	2651	2394	2430	2471	2425
35	2261	2269	2234	2247	2592	2894	2969	2972	2975	2976	2980	2982	2985	2926	2644	2305	2255	2288	2292
40	2103	2091	2047	2161	2534	2745	2763	2768	2772	2774	2775	2779	2782	2768	2589	2205	2078	2113	2137
45	1922	1884	1867	2038	2375	2523	2526	2531	2535	2538	2539	2545	2549	2555	2426	2074	1884	1912	1957
50	1719	1671	1635	1869	2171	2258	2260	2262	2262	2266	2269	2280	2284	2292	2209	1921	1685	1705	1754
55	1490	1447	1413	1650	1894	1960	1960	1961	1961	1964	1970	1981	1984	1996	1937	1691	1458	1484	1530
60	1236	1202	1176	1394	1597	1630	1624	1629	1631	1633	1640	1650	1652	1665	1638	1450	1225	1242	1276
65	957	938	919	1106	1244	1273	1263	1237	1216	1212	1224	1262	1289	1300	1286	1161	967	980	1003
70	675	666	659	790	877	863	852	849	849	853	859	869	873	905	917	842	699	705	715
75	373	396	396	477	500	506	479	482	480	479	486	495	497	536	536	523	442	439	417
80	134	169	171	192	187	193	190	185	179	181	184	199	206	222	210	218	199	203	160
85	11.6	69.6	65.5	52.9	40.2	34.9	31.2	31.5	29.3	29.1	30.4	35.0	36.5	42.3	48.5	61.2	71.2	77.2	22.5
90	3.05	64.8	58.5	41.1	26.7	18.5	13.9	10.8	8.42	6.71	8.36	10.7	13.8	18.2	26.0	39.3	54.9	61.8	3.76
95	3.87	63.5	56.2	39.6	26.6	19.3	15.2	12.4	10.0	8.74	9.93	12.2	15.1	19.0	25.9	38.1	53.0	60.8	4.21
100	4.96	56.8	49.9	36.0	25.5	19.9	16.5	14.1	11.9	11.1	11.8	13.9	16.3	19.6	25.0	34.5	46.9	54.1	5.35
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)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	2463	2460	2459	2460	2459	2460	2459	2460	2461	2457	2461	2456	2465	2462	2470	2475	2476		
5	2580	2552	2527	2518	2418	2465	2431	2398	2368	2401	2419	2475	2457	2501	2528	2550	2559		
10	2761	2704	2672	2557	2456	2414	2405	2382	2390	2384	2434	2438	2488	2597	2653	2652	2700		
15	2790	2747	2731	2655	2577	2582	2650	2712	2748	2713	2647	2586	2587	2630	2720	2735	2808		
20	2733	2672	2620	2606	2694	2848	3017	3147	3188	3147	3015	2848	2671	2601	2587	2640	2618		
25	2537	2562	2511	2574	2835	3111	3251	3275	3270	3270	3244	3109	2839	2554	2477	2512	2530		
30	2446	2410	2365	2608	2936	3109	3132	3126	3123	3120	3120	3095	2934	2600	2335	2368	2395		
35	2275	2242	2262	2597	2888	2961	2959	2953	2949	2946	2945	2941	2868	2583	2249	2199	2227		
40	2098	2074	2169	2543	2739	2764	2758	2753	2747	2743	2740	2739	2715	2533	2149	2034	2065		
45	1912	1891	2042	2394	2535	2535	2528	2523	2516	2514	2508	2508	2504	2372	2024	1836	1879		
50	1705	1675	1882	2199	2278	2279	2268	2265	2255	2255	2248	2251	2245	2166	1863	1637	1671		
55	1478	1452	1680	1926	1989	1989	1980	1975	1963	1966	1959	1963	1956	1896	1646	1421	1447		
60	1244	1223	1429	1644	1670	1671	1659	1638	1609	1625	1637	1640	1633	1608	1412	1196	1199		
65	981	979	1158	1308	1320	1276	1257	1259	1240	1246	1238	1242	1282	1265	1124	935	938		
70	709	711	841	940	916	914	907	912	895	899	890	893	887	892	810	679	666		
75	437	450	522	570	570	550	538	542	525	533	522	527	539	535	484	418	398		
80	200	205	226	240	244	251	234	231	221	225	223	233	222	212	203	181	174		
85	74.3	70.6	62.4	57.5	52.2	53.1	50.1	49.0	44.3	46.3	45.9	45.8	43.2	47.3	53.7	65.1	70.1		
90	59.7	52.8	37.4	25.3	18.3	14.3	11.4	8.96	7.06	8.71	11.1	13.9	18.1	25.2	37.8	54.9	64.6		
95	58.9	51.4	36.6	25.6	19.4	15.7	13.0	10.7	9.18	10.4	12.7	15.5	19.2	25.5	36.9	53.1	63.3		
100	52.6	45.8	33.7	25.1	20.2	17.2	14.8	12.7	11.6	12.5	14.6	17.0	20.1	25.0	34.1	47.4	56.7		
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: