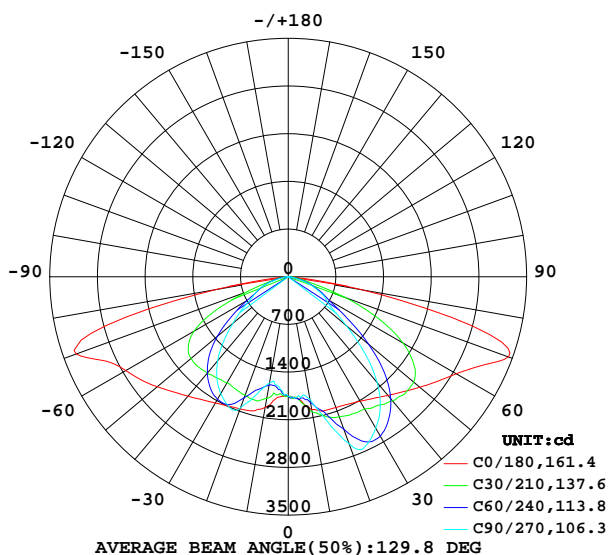
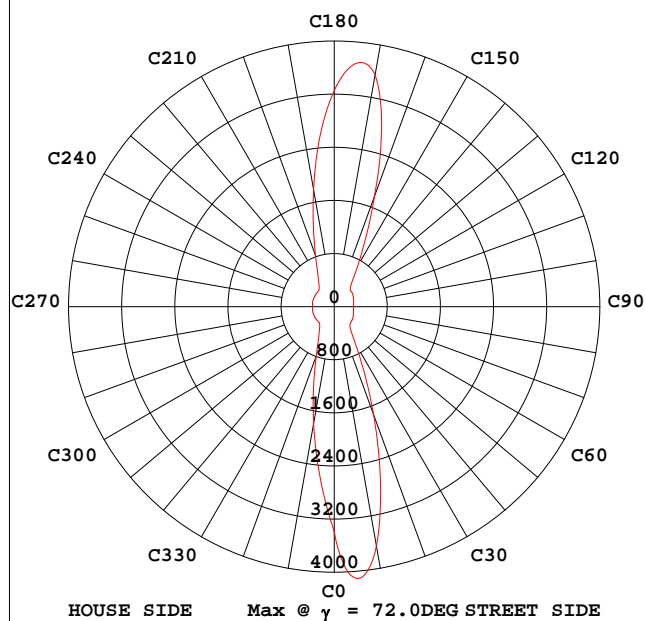


## STREETLIGHT PHOTOMETRIC TEST REPORT

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

DATA OF LAMP		PHOTOMETRIC DATA Eff: 115.00 lm/W			
MODEL	LD70LMA 2M 3030	Imax(cd)	3663	$\eta$ street_up(%)	0.2
NOMINAL POWER(W)	70	LOR(%)	100.0	$\eta$ street_down(%)	55.0
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	8050	$\eta$ house_up(%)	0.2
NOMINAL FLUX(lm)	8050	MAXIMUM @(C, $\gamma$ )	10,72.0	$\eta$ house_down(%)	44.6
LAMPS INSIDE	1	$\eta$ up(%)	0.5	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	220.1	$\eta$ down(%)	99.5	SLI	23.946

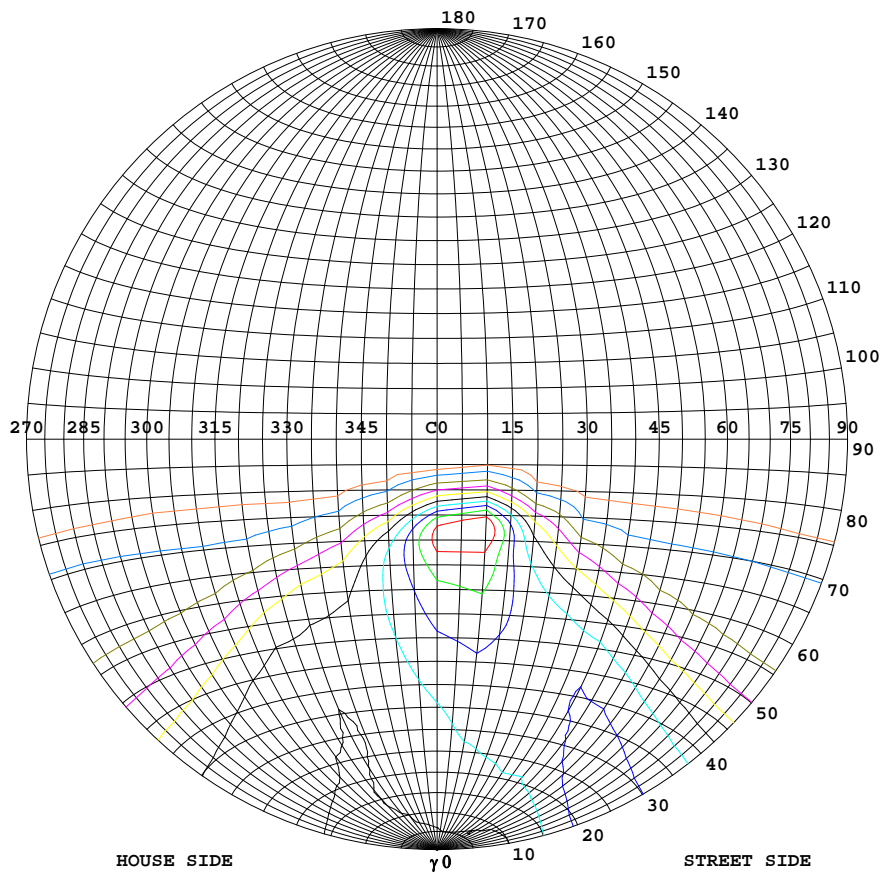
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

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:



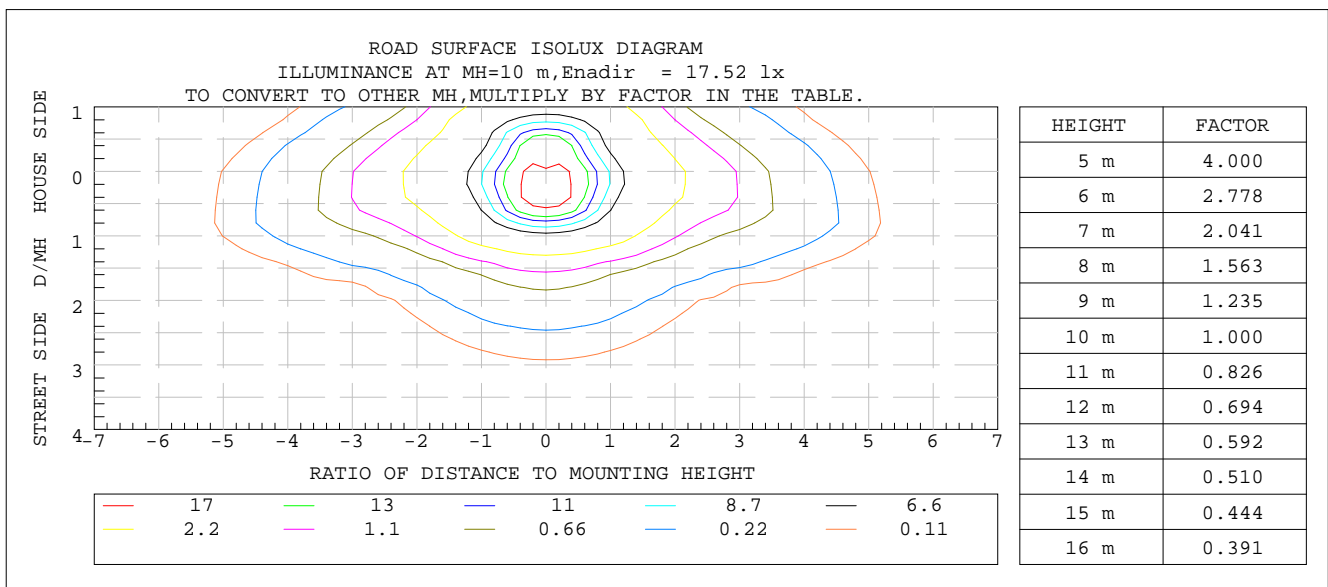
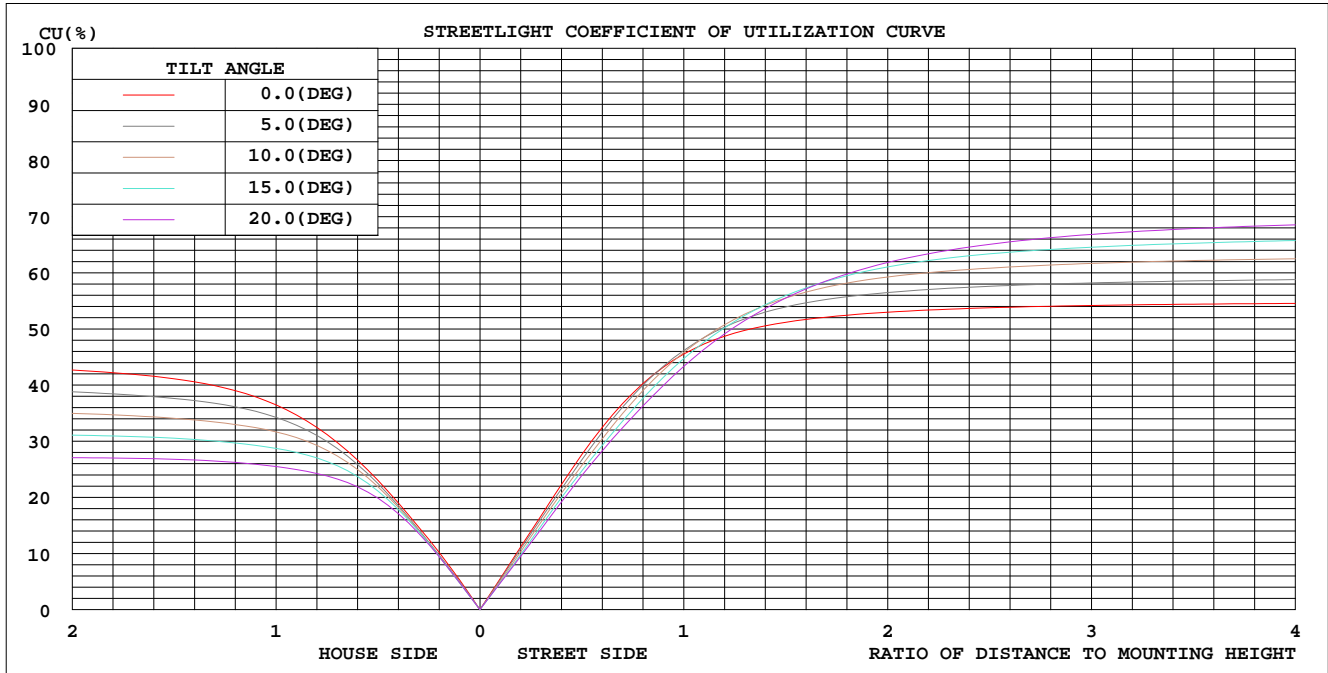
Classification:

IES:Type 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%	3663
90%	3296
80%	2930
70%	2564
60%	2198
50%	1831
40%	1465
30%	1099
20%	733
10%	366
5%	183

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:

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:

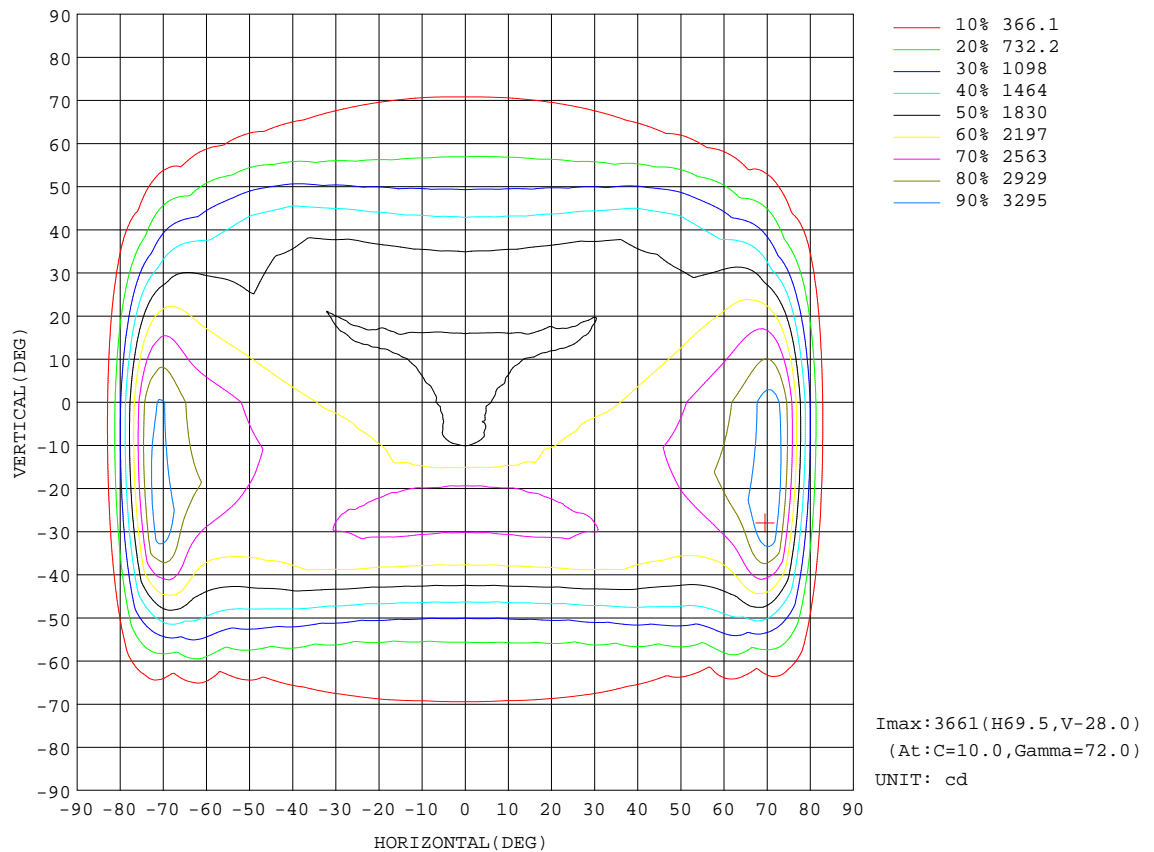
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
10	1978	1928	1822	1897	1948	1707	1584	1720	0- 10	169.1	169.1	2.1,2.1
20	2043	2214	2607	2210	2063	1802	2049	1793	10- 20	562.8	731.9	9.09,9.09
30	2111	2542	2569	2554	2140	1976	1981	1980	20- 30	1018	1750	21.7,21.7
40	2275	2557	2033	2555	2289	1995	1612	2002	30- 40	1368	3118	38.7,38.7
50	2523	2102	1108	2104	2512	1736	1058	1712	40- 50	1520	4637	57.6,57.6
60	2850	1171	630.3	1199	2754	1088	620.4	1053	50- 60	1414	6051	75.2,75.2
70	3441	434.8	351.5	445.4	3312	414.3	389.2	402.5	60- 70	1165	7216	89.6,89.6
80	1087	123.5	81.10	133.5	1061	133.4	94.95	123.8	70- 80	695.8	7912	98.3,98.3
90	6.208	27.78	5.127	27.19	7.084	24.73	5.303	24.30	80- 90	101.3	8014	99.5,99.5
100	8.738	24.07	8.017	23.49	9.711	23.57	8.328	23.51	90-100	34.89	8048	100,100
110	0	0	0	0	0	0	0	0	100-110	1.518	8050	100,100
120	0	0	0	0	0	0	0	0	110-120	0	8050	100,100
130	0	0	0	0	0	0	0	0	120-130	0	8050	100,100
140	0	0	0	0	0	0	0	0	130-140	0	8050	100,100
150	0	0	0	0	0	0	0	0	140-150	0	8050	100,100
160	0	0	0	0	0	0	0	0	150-160	0	8050	100,100
170	0	0	0	0	0	0	0	0	160-170	0	8050	100,100
180	0	0	0	0	0	0	0	0	170-180	0	8050	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

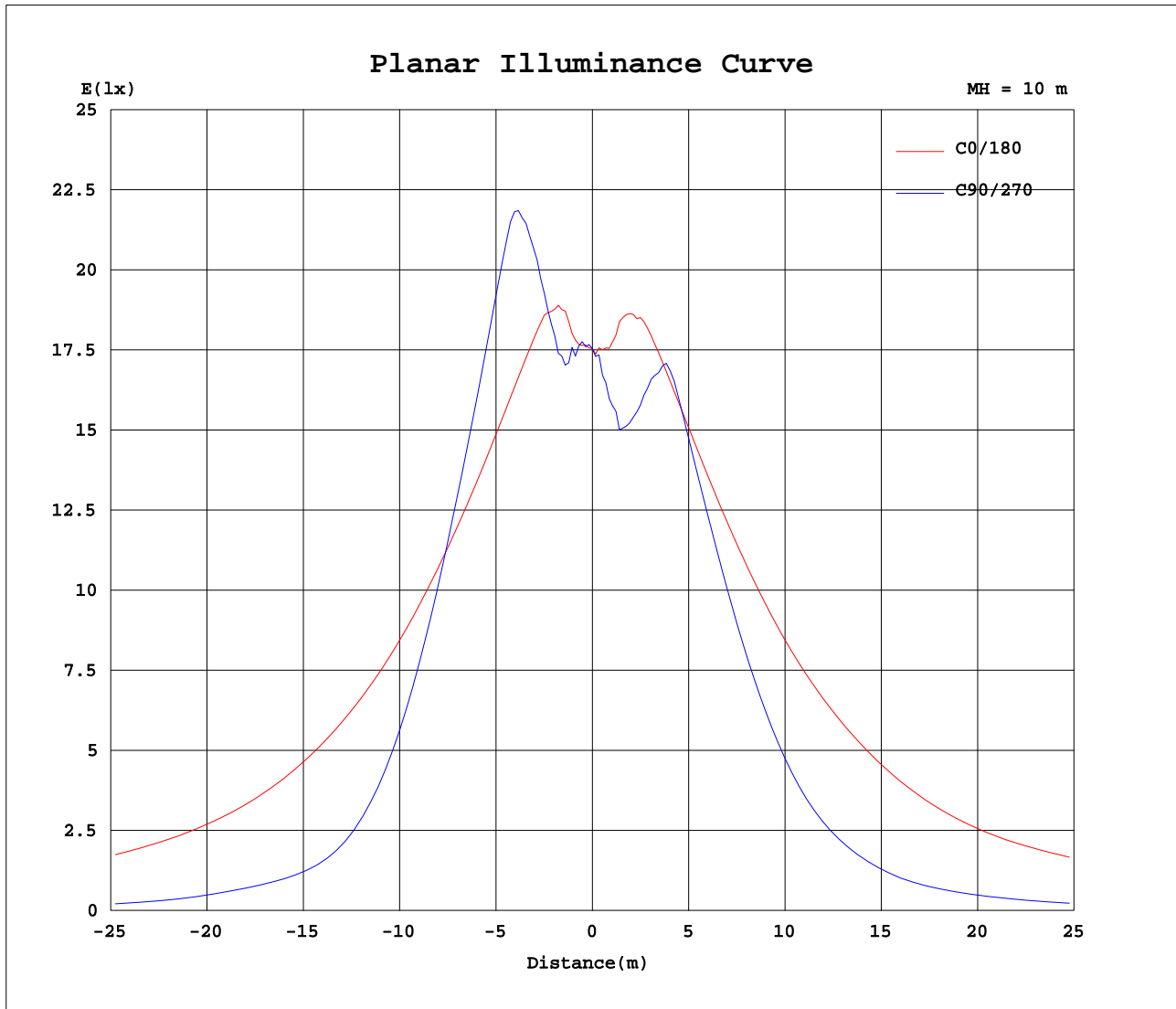
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:



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

$\gamma$  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



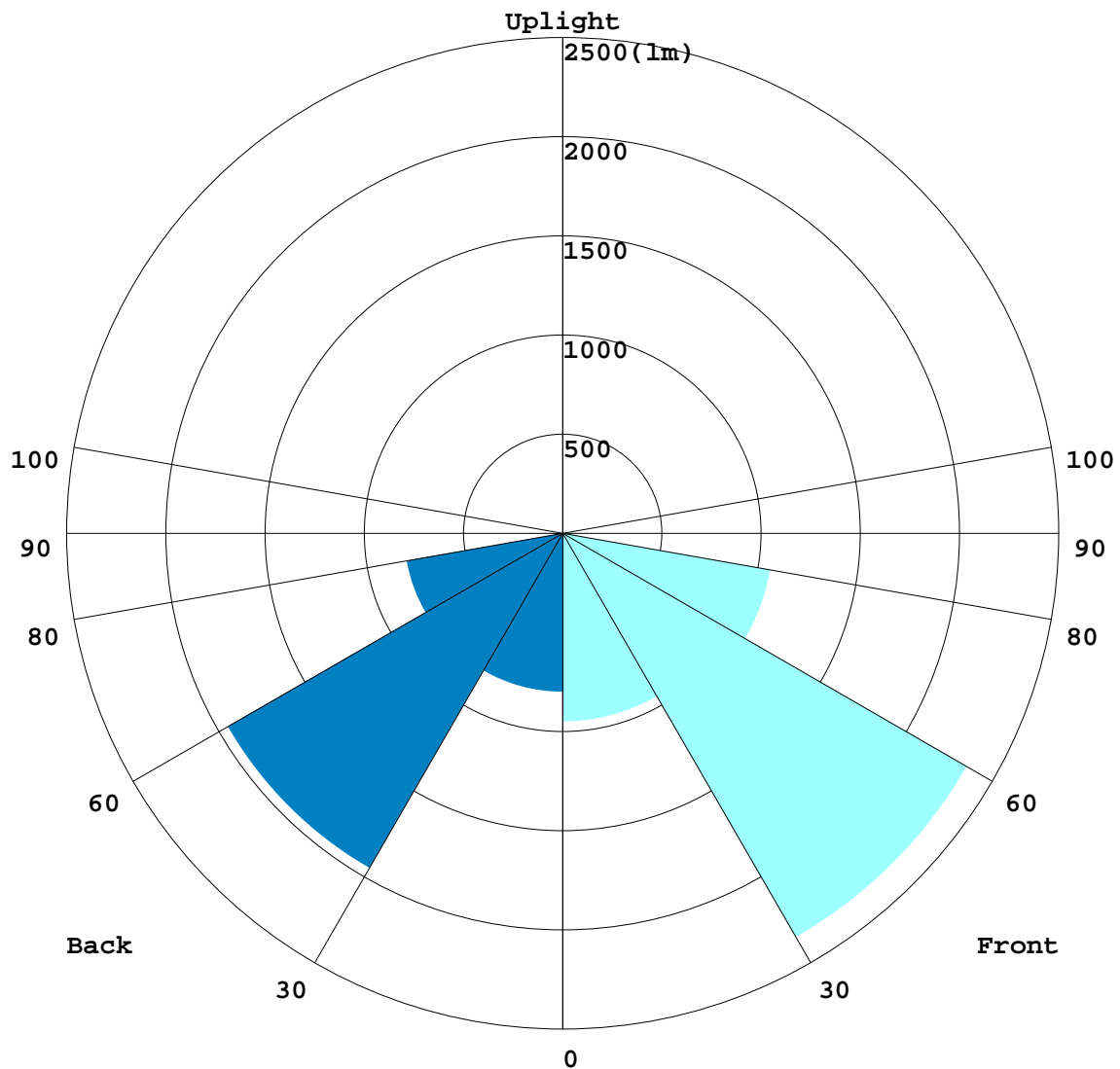
C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2017.10.31

$\gamma$  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)	949.93	11.8
FM - Front-Medium(30-60)	2352.4	29.2
FH - Front-High(60-80)	1062.5	13.2
FVH - Front-Very High(80-90)	59.763	0.7
Total Forward Light	4443.7	55.2

BL - Back-Low(0-30)	799.83	9.9
BM - Back-Medium(30-60)	1949.2	24.2
BH - Back-High(60-80)	798.44	9.9
BVH - Back-Very High(80-90)	41.505	0.5
Total Back Light	3606.3	44.8

UL - Uplight-Low(90-100)	34.891	0.4
UH - Uplight-High(100-180)	1.5178	0.0
Total Up Light	36.409	0.5

BUG(Back,Up,Glare) Rating	B2-U2-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3589	17.289	3606.3
Street Side	4424.5	19.12	4443.7

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

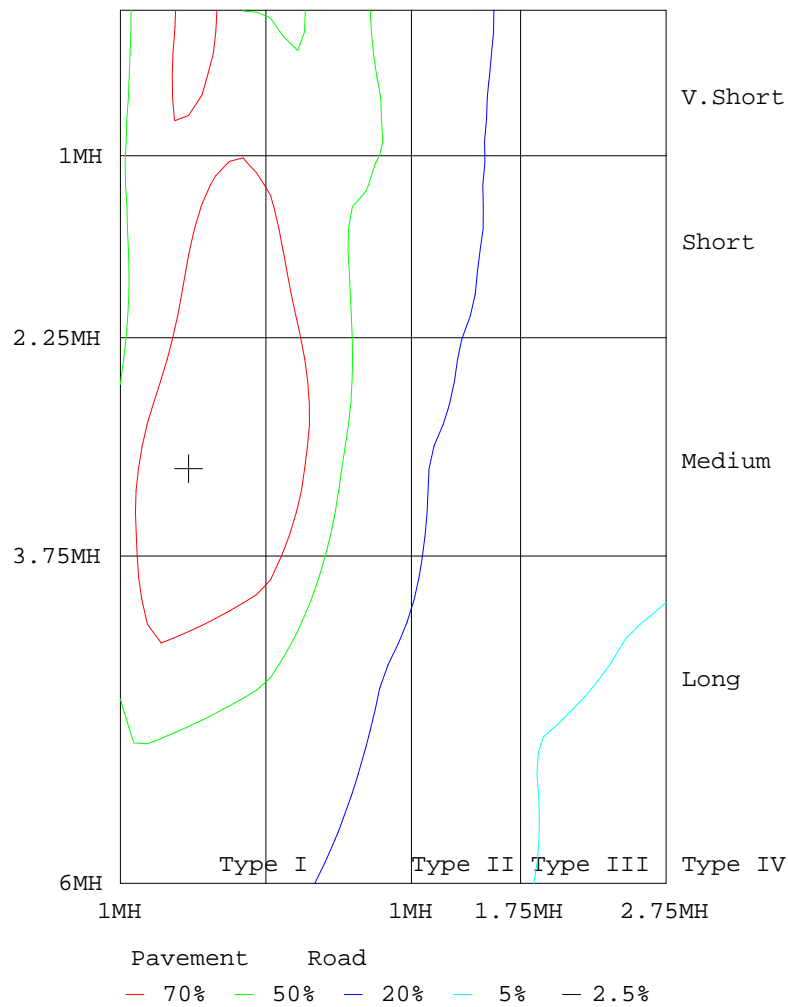
γ Range: 0 - 100DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.480m [K=1.0000]  
Remarks:



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	1755	1758	1749	1756	1747	1757	1749	1756	1749	1754	1750	1753	1752	1751	1752	1749	1751	1750	1755
5	1802	1833	1831	1814	1822	1792	1812	1793	1773	1751	1760	1784	1807	1784	1810	1795	1794	1811	1775
10	1978	1990	2010	2012	1956	1900	1877	1850	1833	1822	1830	1833	1851	1860	1935	1992	1992	1966	1948
15	2036	2094	2137	2123	2118	2064	2060	2116	2169	2188	2163	2117	2057	2052	2098	2118	2136	2105	2040
20	2043	2158	2166	2188	2178	2251	2379	2501	2592	2607	2593	2498	2391	2249	2171	2189	2182	2185	2063
25	2066	2162	2212	2222	2274	2473	2673	2736	2731	2723	2731	2742	2686	2500	2283	2226	2228	2174	2092
30	2111	2247	2273	2241	2428	2655	2705	2640	2584	2569	2585	2641	2706	2665	2443	2252	2285	2265	2140
35	2181	2314	2330	2304	2533	2656	2566	2455	2379	2356	2376	2453	2564	2659	2545	2319	2328	2311	2205
40	2275	2411	2379	2378	2579	2535	2341	2179	2066	2033	2066	2176	2336	2526	2585	2392	2375	2397	2289
45	2387	2520	2440	2425	2491	2296	2000	1782	1633	1592	1635	1780	1999	2292	2491	2425	2420	2495	2389
50	2523	2646	2451	2406	2288	1915	1538	1296	1145	1108	1147	1296	1541	1919	2289	2405	2445	2617	2512
55	2676	2796	2454	2253	1906	1422	1049	858	775	756	768	853	1056	1437	1930	2245	2446	2751	2640
60	2850	2960	2390	1947	1412	930	697	647	632	630	627	631	686	946	1452	1978	2387	2865	2754
65	3102	3158	2228	1476	879	596	532	499	485	485	486	495	523	593	924	1534	2204	2982	2940
70	3441	3538	1926	877	467	402	380	366	353	351	354	368	379	404	487	961	1926	3333	3312
75	2803	3211	1248	341	274	253	237	218	199	197	201	222	242	261	283	386	1349	3199	2765
80	1087	1341	311	158	131	116	106	95.9	85.7	81.1	86.5	98.4	111	124	143	170	363	1435	1061
85	106	167	104	73.5	49.7	37.7	30.0	27.2	23.5	21.4	24.1	28.7	32.3	40.7	53.0	77.2	109	176	85.2
90	6.21	96.3	83.0	55.8	33.9	21.7	15.0	10.7	7.39	5.13	7.41	10.8	15.0	21.4	33.0	53.9	80.8	96.5	7.08
95	7.38	87.2	74.9	51.2	32.2	21.6	15.5	11.5	8.26	6.49	8.25	11.5	15.5	21.3	31.5	49.9	73.5	87.7	8.14
100	8.74	69.0	59.7	41.9	27.9	20.2	15.5	12.1	9.27	8.02	9.22	12.0	15.3	19.8	27.2	40.2	57.0	67.0	9.71
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	1758	1749	1756	1747	1757	1749	1756	1749	1754	1750	1753	1752	1751	1752	1749	1751	1750		
5	1799	1758	1740	1703	1673	1663	1632	1601	1617	1613	1622	1669	1676	1689	1735	1766	1784		
10	1912	1859	1812	1746	1668	1615	1593	1577	1584	1577	1603	1628	1680	1761	1807	1854	1910		
15	2032	1941	1876	1791	1721	1716	1733	1764	1785	1763	1733	1713	1731	1792	1872	1935	2022		
20	2024	1940	1849	1797	1806	1888	1966	2024	2049	2026	1970	1898	1805	1782	1844	1928	1965		
25	2002	1924	1822	1815	1949	2073	2108	2099	2090	2101	2112	2081	1958	1813	1815	1903	1997		
30	2029	1911	1796	1900	2052	2079	2032	1994	1981	1998	2037	2084	2060	1901	1798	1894	2003		
35	2032	1887	1817	1961	2052	1995	1904	1847	1826	1849	1906	1996	2063	1979	1822	1891	2029		
40	2060	1883	1852	2006	1984	1848	1720	1644	1612	1639	1714	1841	1983	2020	1856	1892	2087		
45	2100	1865	1869	1966	1846	1642	1475	1381	1343	1374	1461	1619	1827	1974	1890	1884	2139		
50	2138	1849	1865	1857	1616	1357	1175	1087	1058	1087	1165	1332	1582	1843	1888	1875	2195		
55	2164	1824	1792	1632	1291	1020	884	831	817	837	886	1009	1253	1609	1805	1870	2253		
60	2174	1758	1598	1278	898	707	624	619	620	628	637	703	869	1236	1609	1780	2292		
65	2170	1537	1192	805	559	497	496	506	508	509	504	504	542	764	1175	1546	2305		
70	2013	1084	648	444	384	384	387	392	389	391	387	384	383	422	625	1061	2070		
75	1267	483	290	270	258	254	238	225	215	222	233	248	251	259	274	452	1209		
80	359	166	151	139	128	121	110	103	95.0	101	107	115	120	128	138	152	335		
85	108	87.7	65.1	50.4	41.9	36.8	33.5	30.3	25.9	28.9	31.2	33.3	37.5	45.8	60.1	81.2	100		
90	84.5	66.9	45.1	29.3	20.2	14.9	11.0	7.87	5.30	7.47	10.4	14.2	19.7	28.9	44.6	66.5	84.9		
95	78.5	63.2	43.5	29.3	20.8	15.6	11.9	8.79	6.68	8.44	11.4	15.2	20.4	28.9	42.9	62.4	78.6		
100	62.0	51.8	37.6	26.9	20.2	16.0	12.7	9.91	8.33	9.61	12.4	15.8	20.2	26.8	37.4	51.9	64.0		
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: