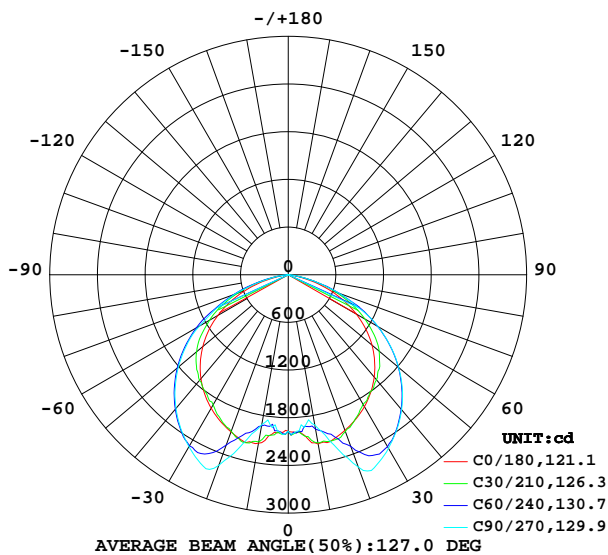
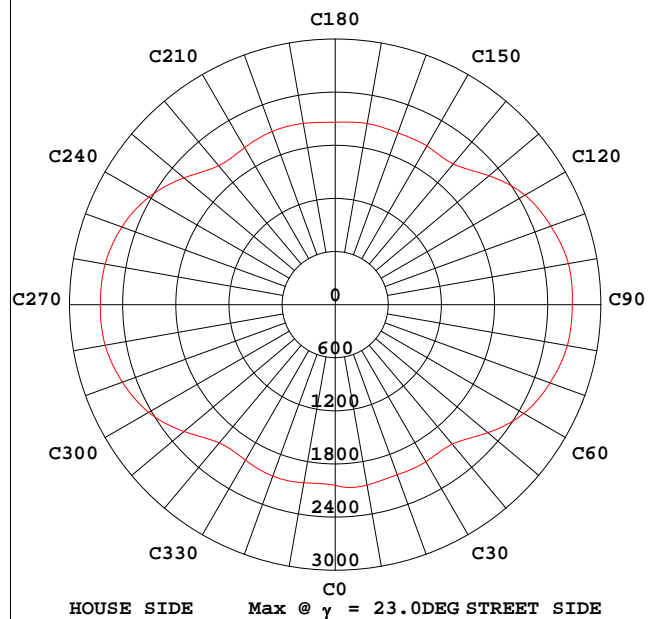


## STREETLIGHT PHOTOMETRIC TEST REPORT

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

DATA OF LAMP		PHOTOMETRIC DATA Eff: 130.00 lm/W			
MODEL	LD56LMA 5S 3030	Imax(cd)	2677	$\eta$ street_up(%)	0.2
NOMINAL POWER(W)	56	LOR(%)	100.0	$\eta$ street_down(%)	49.8
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	7280	$\eta$ house_up(%)	0.2
NOMINAL FLUX(lm)	7280	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	20.382

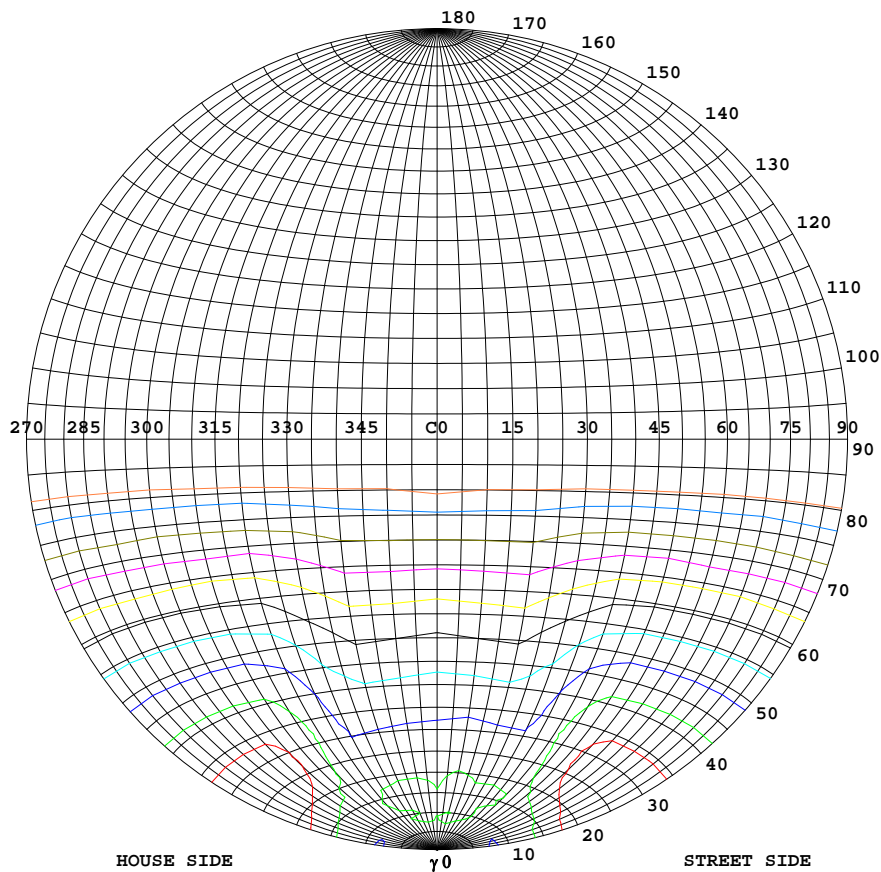
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

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:



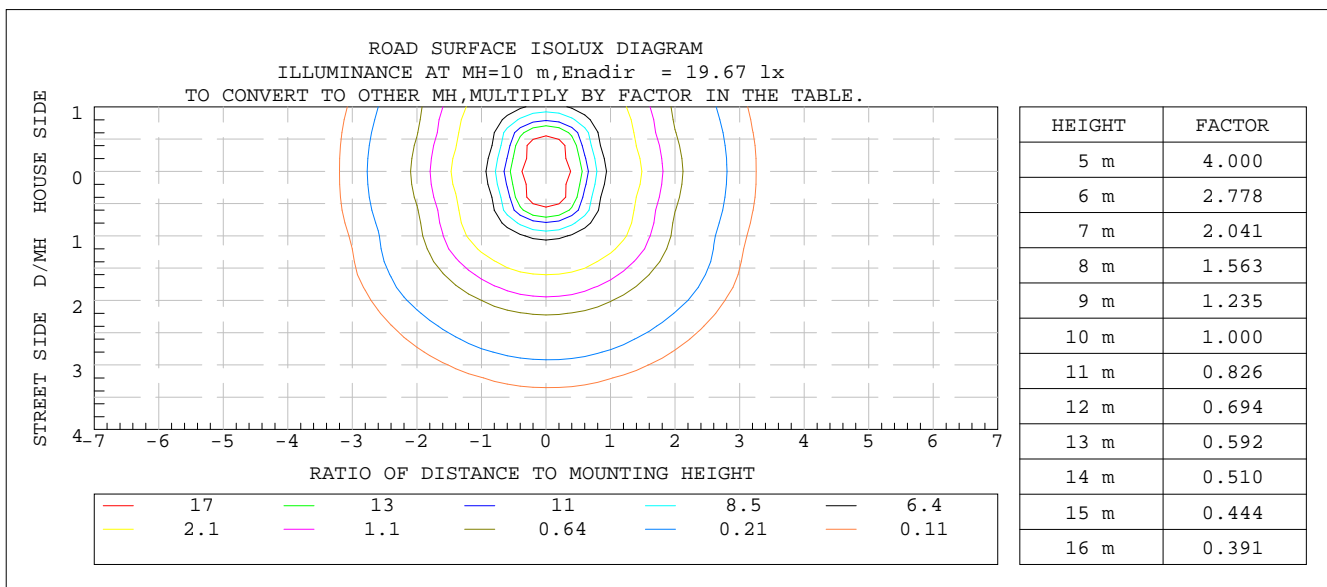
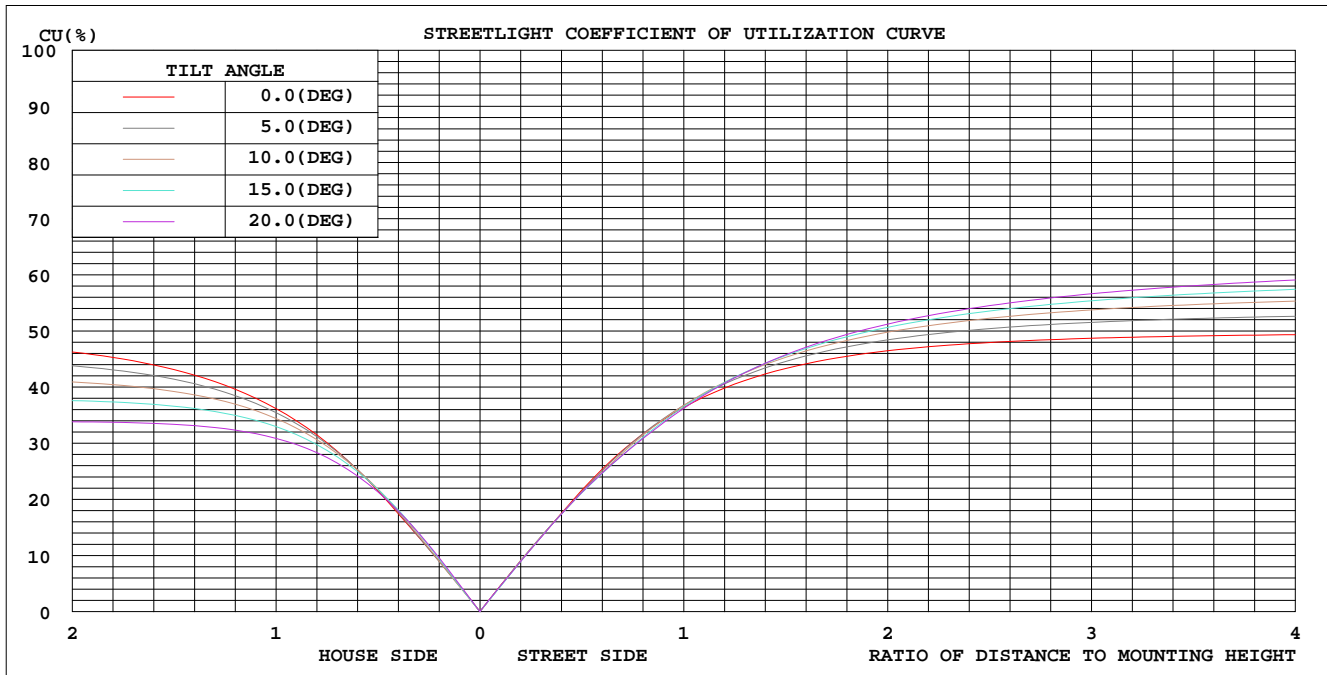
Classification:

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%	2677
90%	2409
80%	2141
70%	1874
60%	1606
50%	1338
40%	1071
30%	803
20%	535
10%	268
5%	134

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:

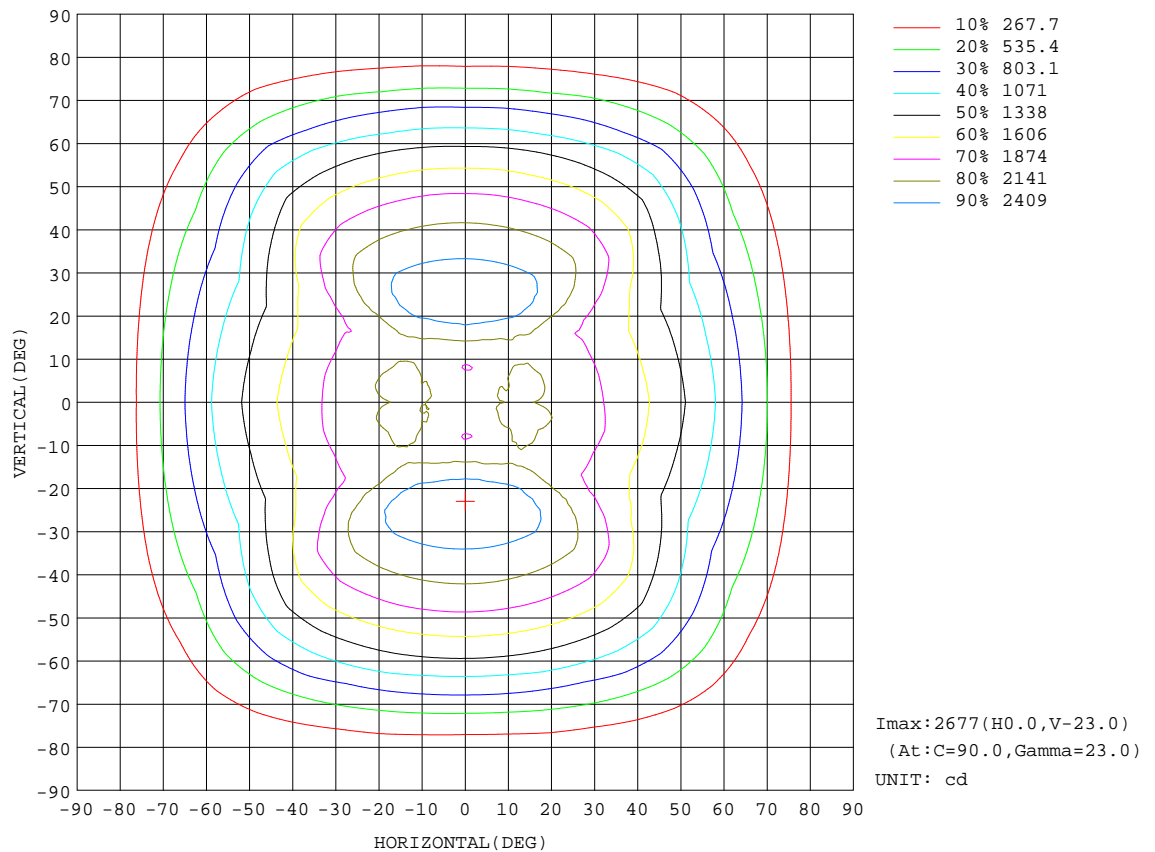
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
10	2162	2038	1918	2009	2153	2005	1912	2034	0- 10	191.0	191.0	2.62,2.62
20	2085	2121	2572	2140	2105	2120	2550	2109	10- 20	612.1	803.1	11,11
30	1917	2227	2522	2255	1940	2218	2498	2214	20- 30	1045	1848	25.4,25.4
40	1682	2111	2219	2143	1709	2113	2198	2099	30- 40	1322	3170	43.5,43.5
50	1375	1772	1813	1800	1403	1791	1804	1764	40- 50	1407	4578	62.9,62.9
60	988.9	1291	1306	1321	1021	1326	1287	1297	50- 60	1277	5855	80.4,80.4
70	539.7	696.1	682.4	728.8	572.1	742.2	716.1	711.8	60- 70	920.0	6775	93.1,93.1
80	106.8	152.1	144.7	172.8	128.4	193.6	177.0	173.8	70- 80	417.5	7193	98.8,98.8
90	2.443	18.07	5.365	17.71	3.005	17.46	5.647	17.29	80- 90	63.07	7256	99.7,99.7
100	3.971	18.16	8.862	17.82	4.278	18.10	9.304	18.03	90-100	23.33	7279	100,100
110	0	0	0	0	0	0	0	0	100-110	1.120	7280	100,100
120	0	0	0	0	0	0	0	0	110-120	0	7280	100,100
130	0	0	0	0	0	0	0	0	120-130	0	7280	100,100
140	0	0	0	0	0	0	0	0	130-140	0	7280	100,100
150	0	0	0	0	0	0	0	0	140-150	0	7280	100,100
160	0	0	0	0	0	0	0	0	150-160	0	7280	100,100
170	0	0	0	0	0	0	0	0	160-170	0	7280	100,100
180	0	0	0	0	0	0	0	0	170-180	0	7280	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

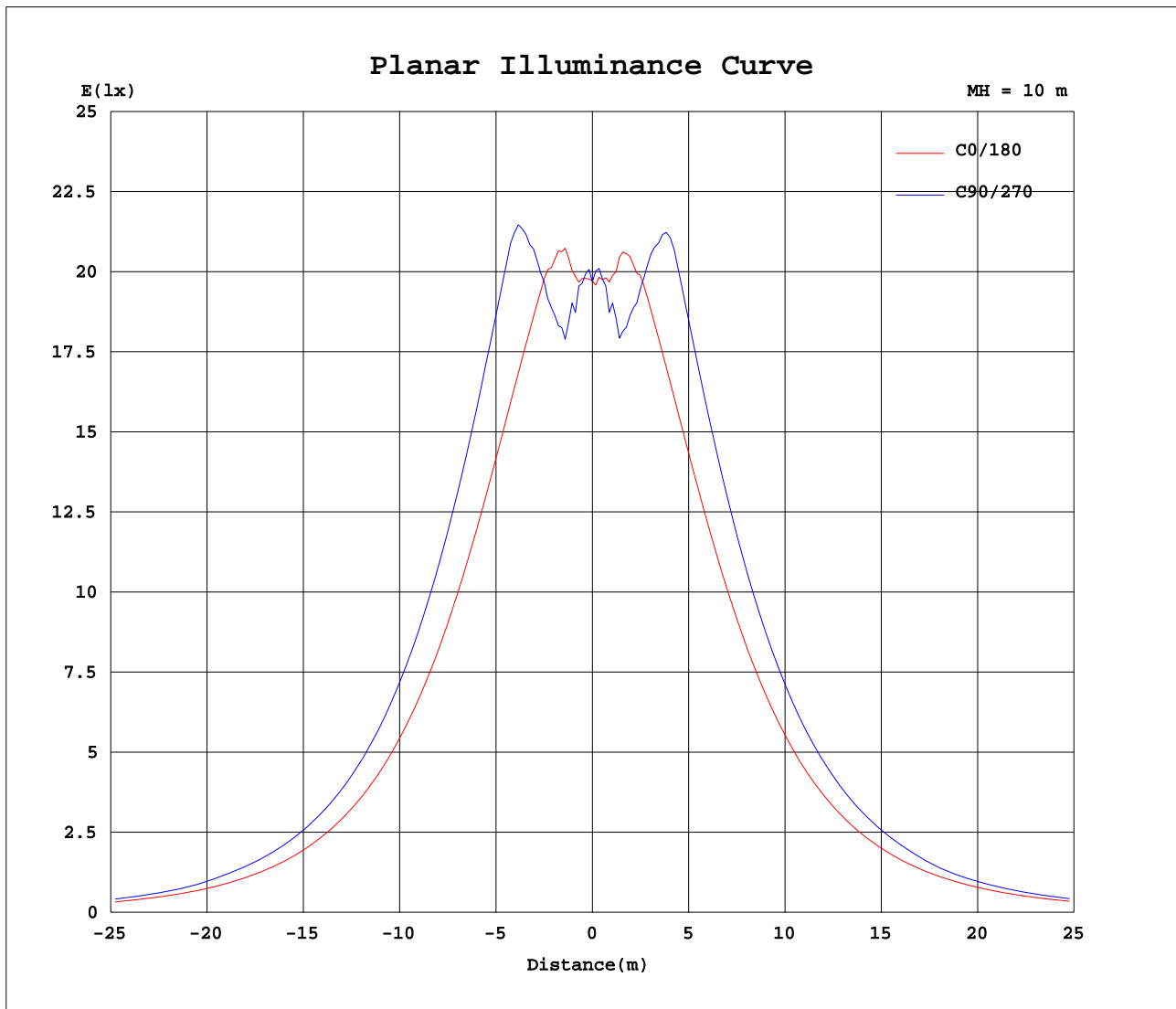
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:



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



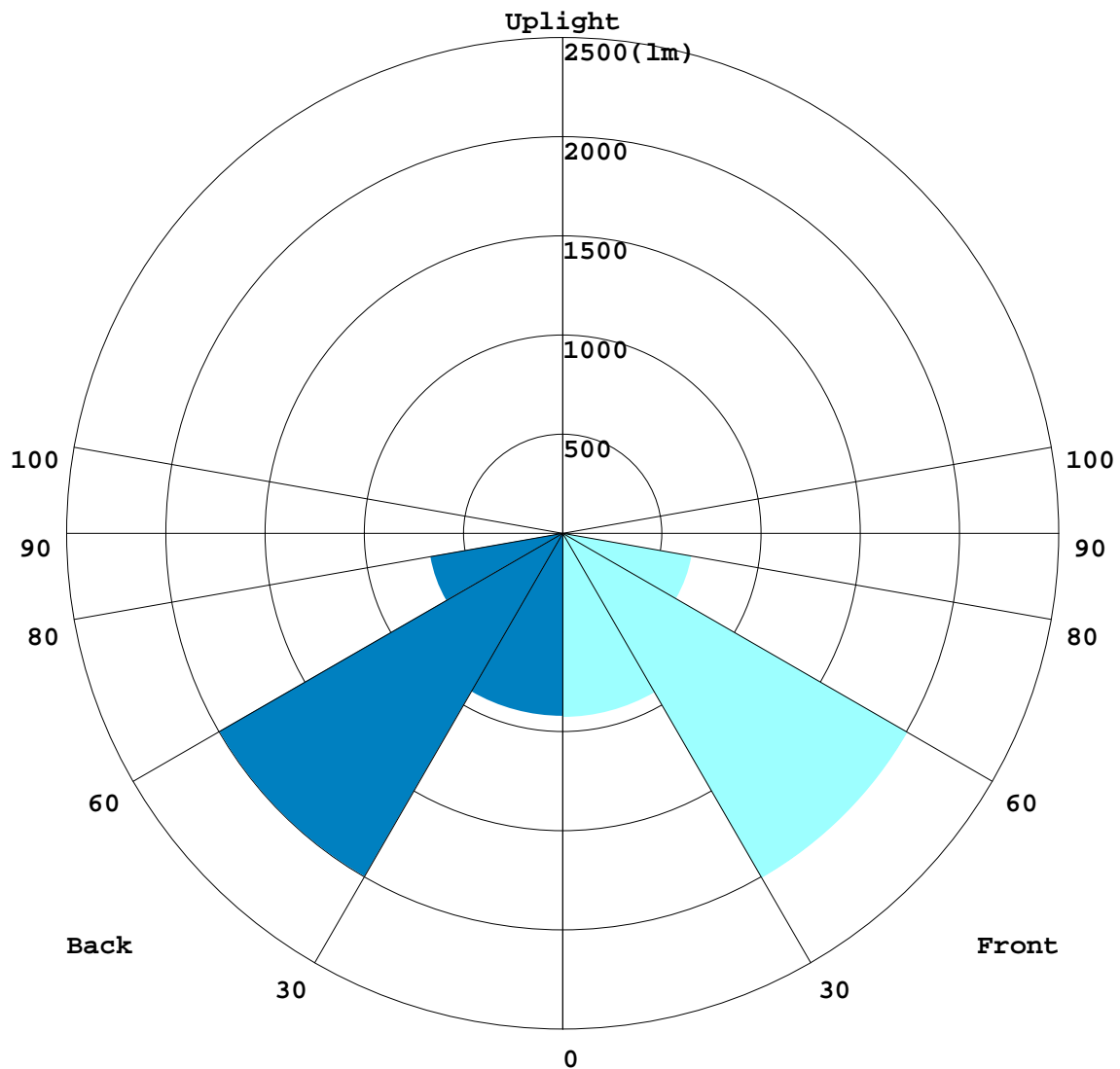
C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2017.10.31

$\gamma$  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)	927.14	12.7
FM - Front-Medium(30-60)	2008.1	27.6
FH - Front-High(60-80)	660.25	9.1
FVH - Front-Very High(80-90)	29.317	0.4
Total Forward Light	3637.1	50.0

BL - Back-Low(0-30)	921.32	12.7
BM - Back-Medium(30-60)	1998.5	27.5
BH - Back-High(60-80)	677.26	9.3
BVH - Back-Very High(80-90)	33.754	0.5
Total Back Light	3642.9	50.0

UL - Uplight-Low(90-100)	23.333	0.3
UH - Uplight-High(100-180)	1.1205	0.0
Total Up Light	24.453	0.3

BUG(Back,Up,Glare) Rating	B2-U2-G1
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3630.8	12.129	3642.9
Street Side	3624.8	12.324	3637.1

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

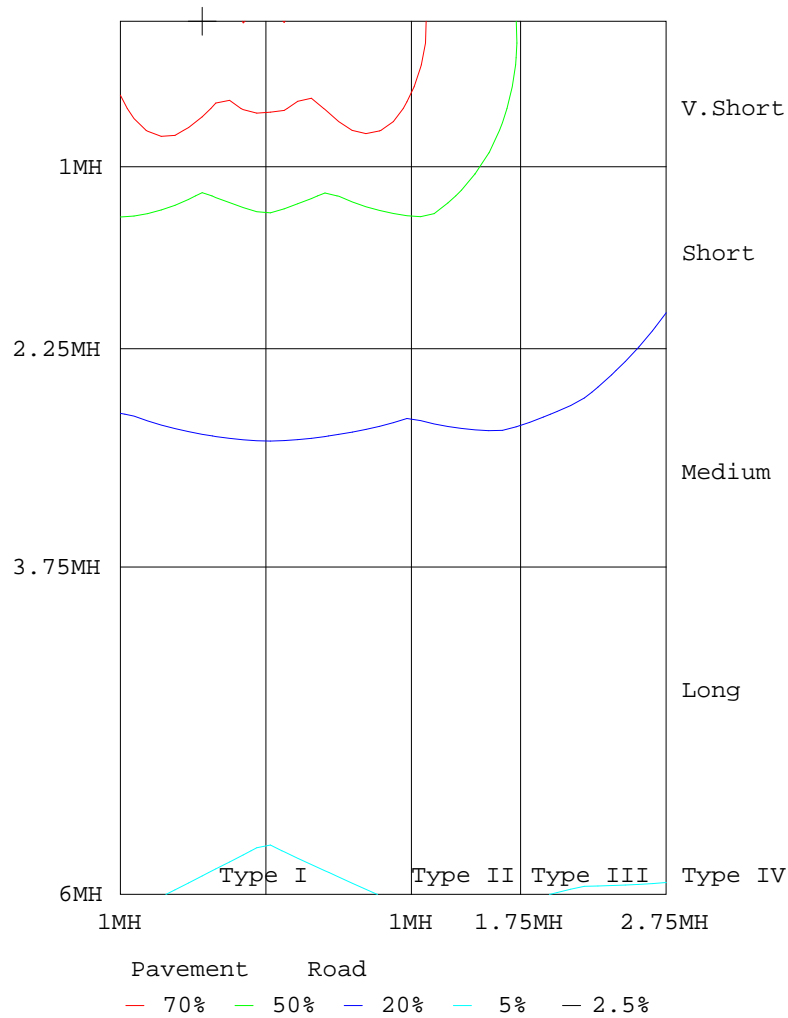
γ Range: 0 - 100DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.480m [K=1.0000]  
Remarks:



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

$\gamma$  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	1972	1970	1968	1967	1968	1967	1968	1967	1968	1968	1966	1968	1965	1972	1969	1976	1980	1981	1972
5	2008	2061	2021	2019	2002	1977	1985	1923	1916	1894	1885	1947	1970	1951	2004	2004	1986	2058	1991
10	2162	2136	2165	2149	2073	2004	1972	1950	1921	1918	1903	1926	1942	1958	2060	2134	2161	2124	2153
15	2153	2225	2204	2161	2135	2080	2077	2126	2194	2214	2191	2152	2075	2069	2134	2174	2207	2235	2172
20	2085	2159	2103	2101	2075	2166	2295	2439	2538	2572	2543	2439	2333	2180	2100	2117	2120	2181	2105
25	2008	2033	2016	2000	2065	2272	2510	2614	2635	2639	2638	2626	2529	2334	2086	2019	2037	2050	2030
30	1917	1959	1918	1882	2092	2363	2499	2517	2520	2522	2524	2526	2512	2390	2120	1916	1944	1977	1940
35	1809	1816	1787	1798	2074	2315	2375	2378	2380	2381	2384	2386	2388	2341	2115	1844	1804	1831	1833
40	1682	1673	1638	1729	2027	2196	2210	2215	2217	2219	2220	2223	2225	2215	2071	1764	1662	1690	1709
45	1537	1508	1494	1630	1900	2019	2021	2025	2028	2030	2031	2036	2039	2044	1941	1659	1507	1530	1565
50	1375	1337	1308	1495	1737	1806	1808	1809	1809	1813	1815	1824	1827	1833	1767	1537	1348	1364	1403
55	1192	1158	1131	1320	1516	1568	1568	1569	1568	1571	1576	1585	1587	1597	1550	1353	1166	1187	1224
60	989	962	940	1115	1277	1304	1299	1303	1304	1306	1312	1320	1322	1332	1311	1160	980	994	1021
65	766	750	735	885	996	1018	1011	990	973	970	979	1009	1031	1040	1028	929	773	784	803
70	540	533	527	632	702	690	681	679	679	682	687	695	698	724	734	674	559	564	572
75	298	317	317	382	400	405	383	386	384	383	389	396	398	428	429	419	353	351	334
80	107	135	137	153	150	154	152	148	143	145	147	160	165	178	168	175	159	163	128
85	9.29	55.6	52.4	42.3	32.2	27.9	24.9	25.2	23.5	23.3	24.3	28.0	29.2	33.9	38.8	48.9	57.0	61.8	18.0
90	2.44	51.8	46.8	32.9	21.3	14.8	11.1	8.66	6.73	5.36	6.69	8.60	11.0	14.6	20.8	31.5	43.9	49.4	3.01
95	3.09	50.8	45.0	31.7	21.2	15.5	12.2	9.88	8.02	7.00	7.95	9.79	12.0	15.2	20.8	30.4	42.4	48.7	3.37
100	3.97	45.4	39.9	28.8	20.4	15.9	13.2	11.2	9.52	8.86	9.45	11.1	13.1	15.7	20.0	27.6	37.5	43.3	4.28
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	1970	1968	1967	1968	1967	1968	1967	1968	1968	1966	1968	1965	1972	1969	1976	1980	1981		
5	2064	2042	2022	2015	1935	1972	1945	1919	1895	1921	1936	1980	1966	2001	2022	2040	2047		
10	2209	2163	2137	2046	1965	1931	1924	1906	1912	1907	1947	1950	1991	2077	2122	2122	2160		
15	2232	2198	2185	2124	2061	2066	2120	2169	2198	2171	2118	2069	2070	2104	2176	2188	2246		
20	2186	2138	2096	2085	2155	2278	2413	2517	2550	2518	2412	2279	2137	2081	2070	2112	2094		
25	2029	2050	2009	2060	2268	2489	2601	2620	2616	2616	2595	2487	2271	2044	1981	2010	2024		
30	1957	1928	1892	2087	2349	2488	2505	2501	2498	2496	2496	2476	2347	2080	1868	1894	1916		
35	1820	1793	1810	2077	2310	2369	2367	2363	2359	2357	2356	2352	2295	2067	1799	1759	1782		
40	1678	1659	1735	2035	2191	2211	2206	2202	2198	2195	2192	2191	2172	2026	1719	1627	1652		
45	1529	1513	1634	1915	2028	2028	2022	2019	2013	2011	2006	2006	2003	1897	1620	1469	1503		
50	1364	1340	1506	1759	1822	1823	1815	1812	1804	1804	1798	1801	1796	1733	1490	1309	1336		
55	1182	1162	1344	1541	1591	1591	1584	1580	1571	1573	1567	1570	1565	1517	1316	1137	1157		
60	995	978	1143	1316	1336	1337	1327	1310	1287	1300	1309	1312	1306	1287	1130	957	959		
65	785	783	926	1046	1056	1021	1006	1007	992	997	990	993	1025	1012	899	748	751		
70	567	569	673	752	733	731	726	730	716	719	712	714	710	714	648	543	533		
75	350	360	417	456	456	440	430	434	420	427	418	422	431	428	387	335	319		
80	160	164	181	192	195	200	187	185	177	180	178	186	178	170	163	144	139		
85	59.4	56.5	49.9	46.0	41.8	42.5	40.1	39.2	35.4	37.0	36.7	36.6	34.5	37.8	43.0	52.1	56.1		
90	47.8	42.2	29.9	20.2	14.7	11.4	9.09	7.17	5.65	6.97	8.84	11.2	14.4	20.1	30.3	43.9	51.7		
95	47.2	41.1	29.3	20.5	15.5	12.6	10.4	8.53	7.35	8.35	10.2	12.4	15.4	20.4	29.5	42.4	50.6		
100	42.1	36.6	27.0	20.0	16.2	13.7	11.8	10.1	9.30	10.00	11.7	13.6	16.0	20.0	27.3	37.9	45.4		
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: