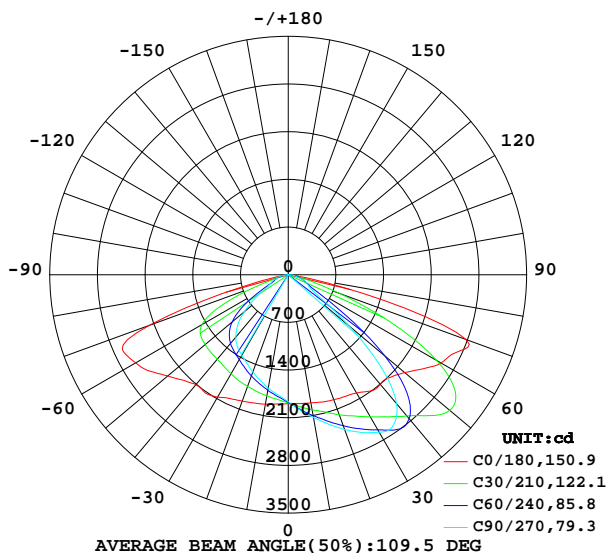
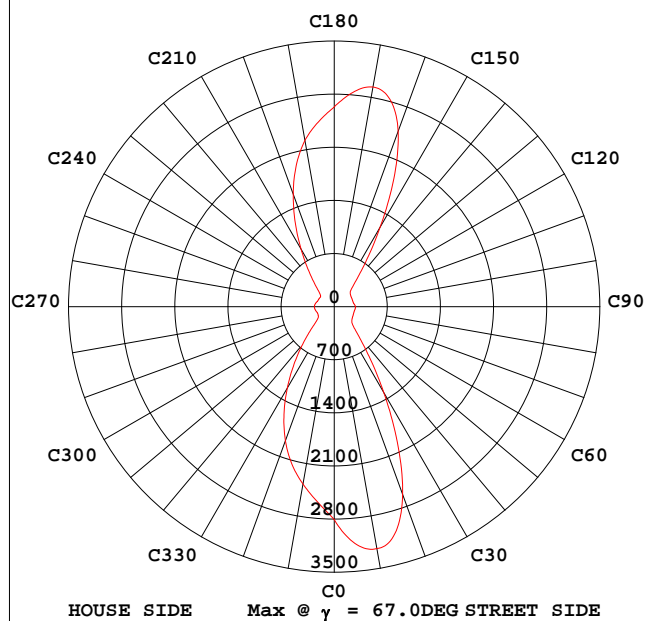


STREETLIGHT PHOTOMETRIC TEST REPORT

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

DATA OF LAMP		PHOTOMETRIC DATA Eff: 130.00 lm/W			
MODEL	LD57Kmini 2M 3030	Imax(cd)	3237	η street_up(%)	0.0
NOMINAL POWER(W)	57	LOR(%)	100.0	η street_down(%)	59.2
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	7410	η house_up(%)	0.0
NOMINAL FLUX(lm)	7410	MAXIMUM @ (C, γ)	10,67.0	η house_down(%)	40.7
LAMPS INSIDE	1	η up(%)	0.1	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	220.1	η down(%)	99.9	SLI	21.436

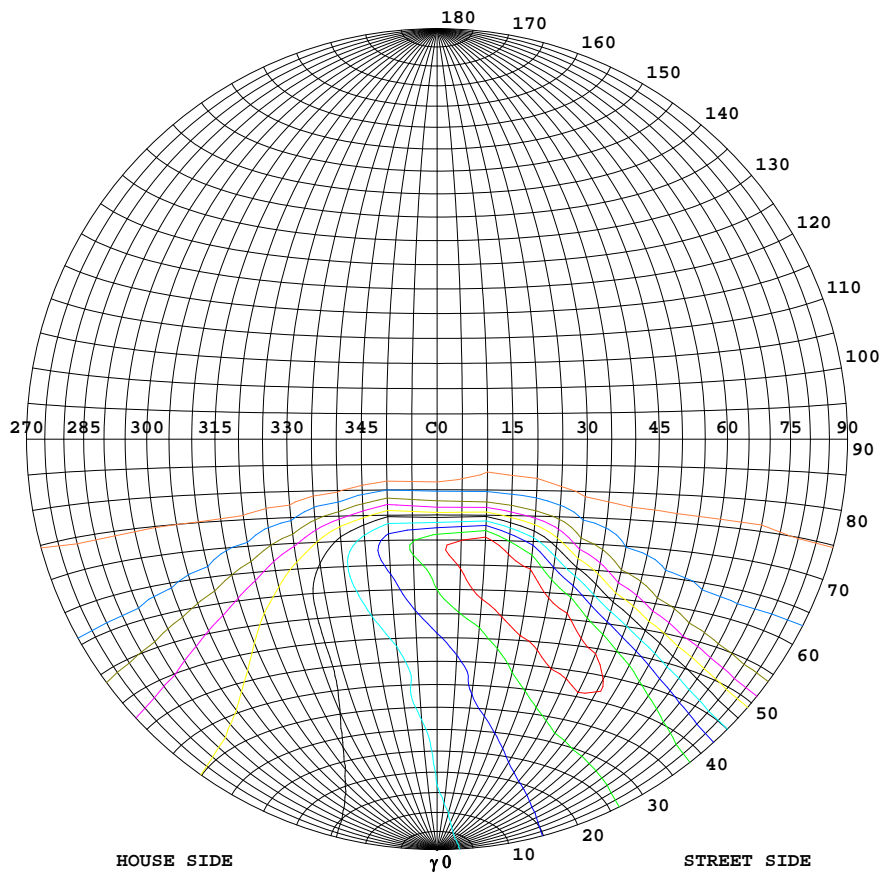
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017.11.8

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:

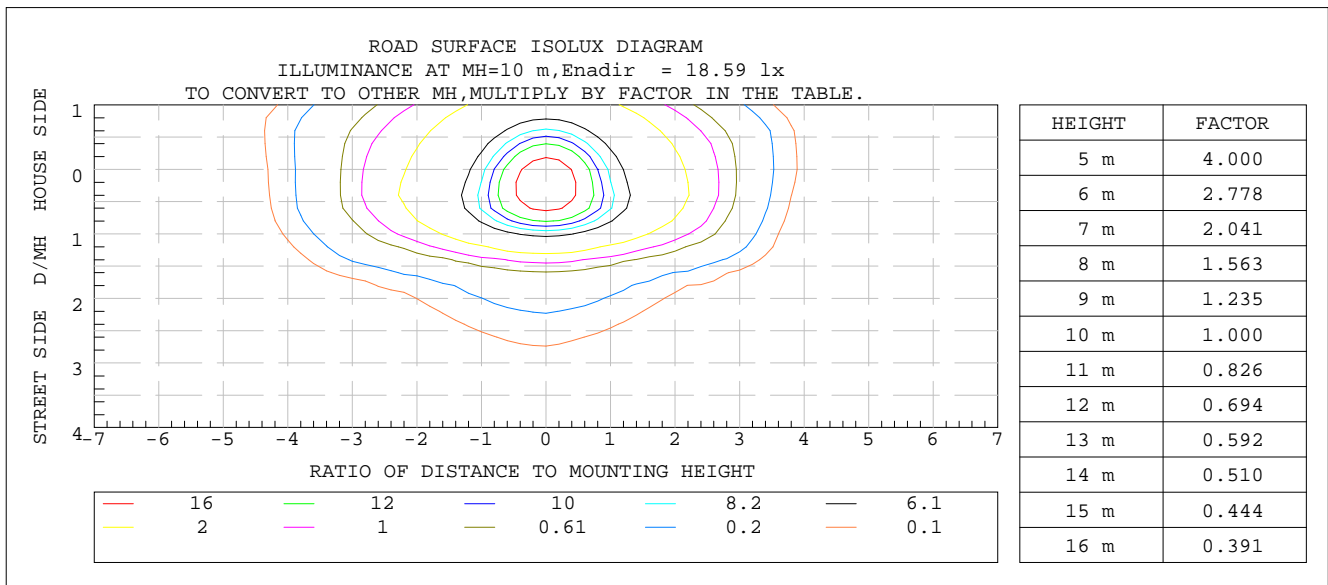
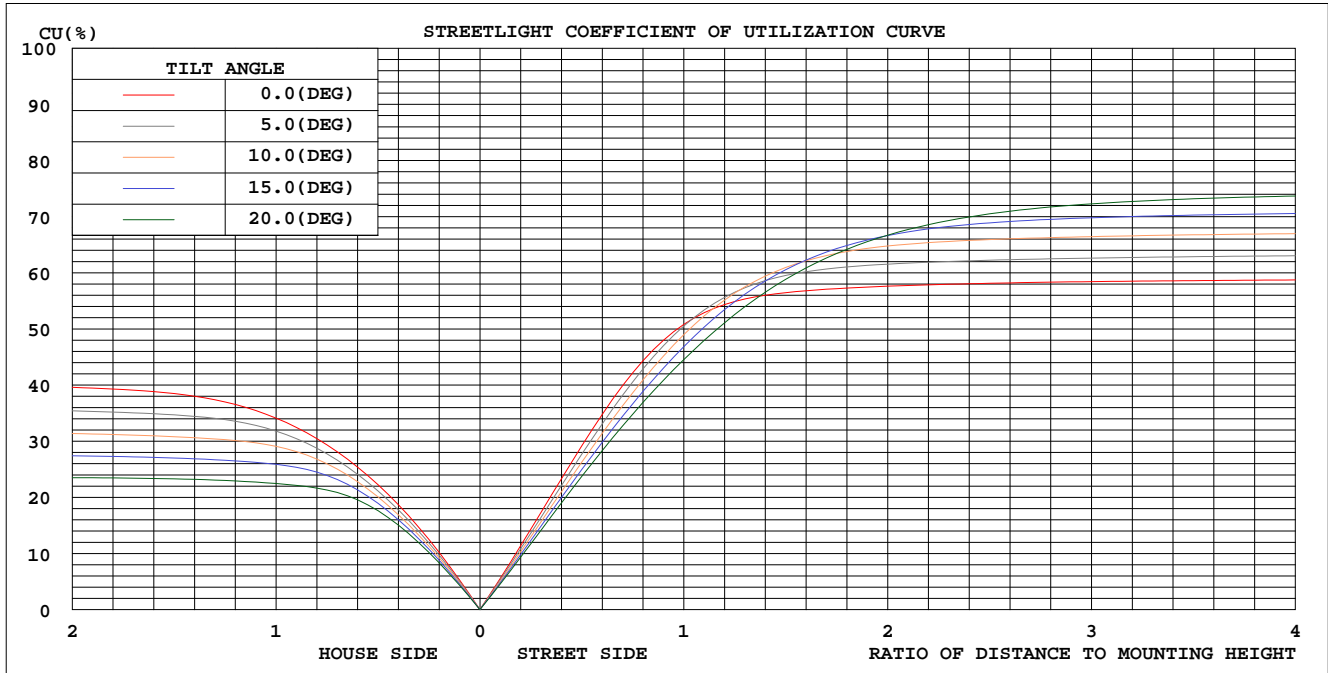
IES:Type II - Medium
 CIE:Narrow - Intermediate
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:43.56cd/klm
 Max.At90:2.914cd/klm
 Max.80-90:43.56cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	3237
90%	2913
80%	2589
70%	2266
60%	1942
50%	1618
40%	1295
30%	971
20%	647
10%	324
5%	162

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2017.11.8

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: 2017.11.8

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:

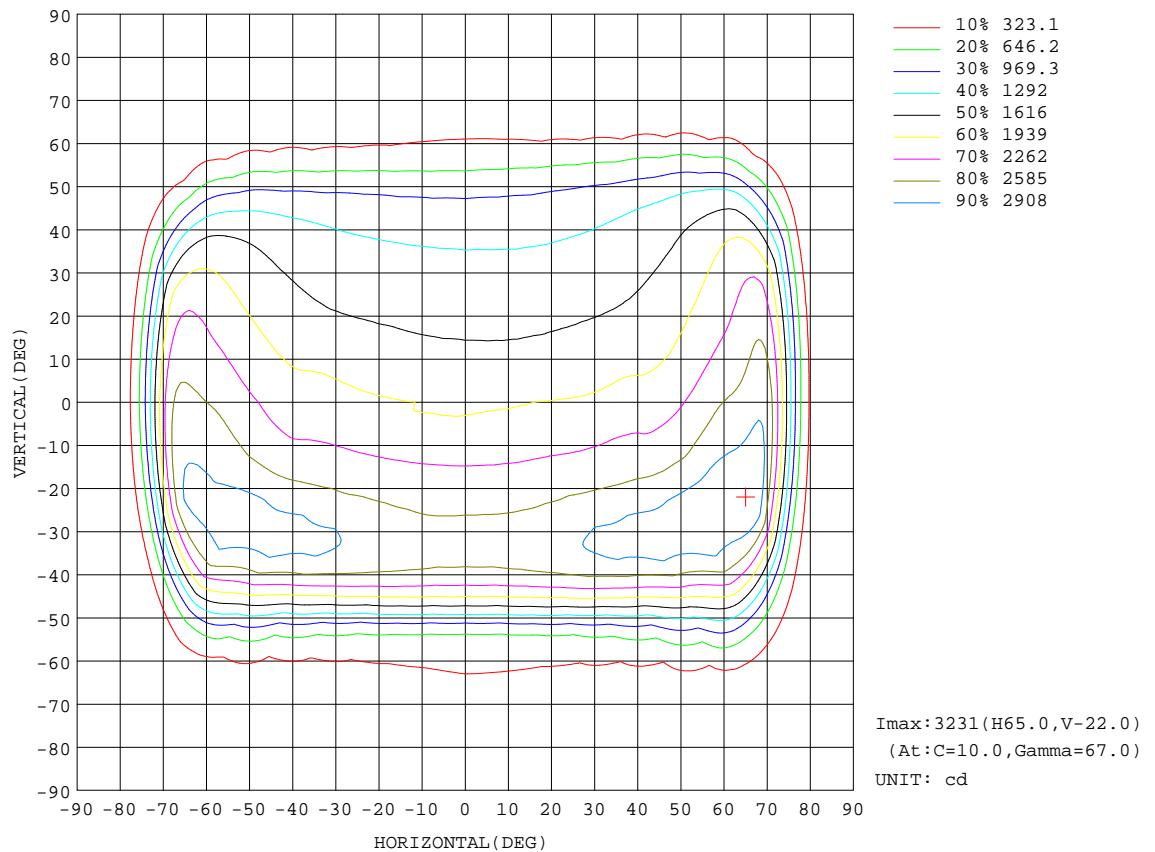
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	1910	2061	2126	2059	1931	1762	1691	1733	0- 10	180.3	180.3	2.43,2.43
20	1952	2283	2417	2281	1975	1655	1523	1626	10- 20	547.9	728.2	9.83,9.83
30	2006	2563	2671	2567	2073	1547	1365	1521	20- 30	923.2	1651	22.3,22.3
40	2100	2883	2475	2873	2111	1446	1197	1421	30- 40	1292	2944	39.7,39.7
50	2234	2610	1159	2551	2312	1315	839.7	1319	40- 50	1511	4455	60.1,60.1
60	2589	1125	359.0	1067	2585	849.2	345.2	1003	50- 60	1387	5842	78.8,78.8
70	2774	284.7	244.4	247.4	2166	210.2	227.7	299.9	60- 70	1073	6915	93.3,93.3
80	283.6	117.8	100.9	88.83	122.6	65.39	95.03	93.83	70- 80	435.7	7351	99.2,99.2
90	9.368	8.243	0.8304	2.048	5.954	4.160	1.139	6.287	80- 90	55.24	7406	99.9,99.9
100	7.147	3.029	1.529	3.290	9.191	5.293	2.126	5.092	90-100	4.011	7410	100,100
110	0	0	0	0	0	0	0	0	100-110	0.2437	7410	100,100
120	0	0	0	0	0	0	0	0	110-120	0	7410	100,100
130	0	0	0	0	0	0	0	0	120-130	0	7410	100,100
140	0	0	0	0	0	0	0	0	130-140	0	7410	100,100
150	0	0	0	0	0	0	0	0	140-150	0	7410	100,100
160	0	0	0	0	0	0	0	0	150-160	0	7410	100,100
170	0	0	0	0	0	0	0	0	160-170	0	7410	100,100
180	0	0	0	0	0	0	0	0	170-180	0	7410	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:2017.11.8

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

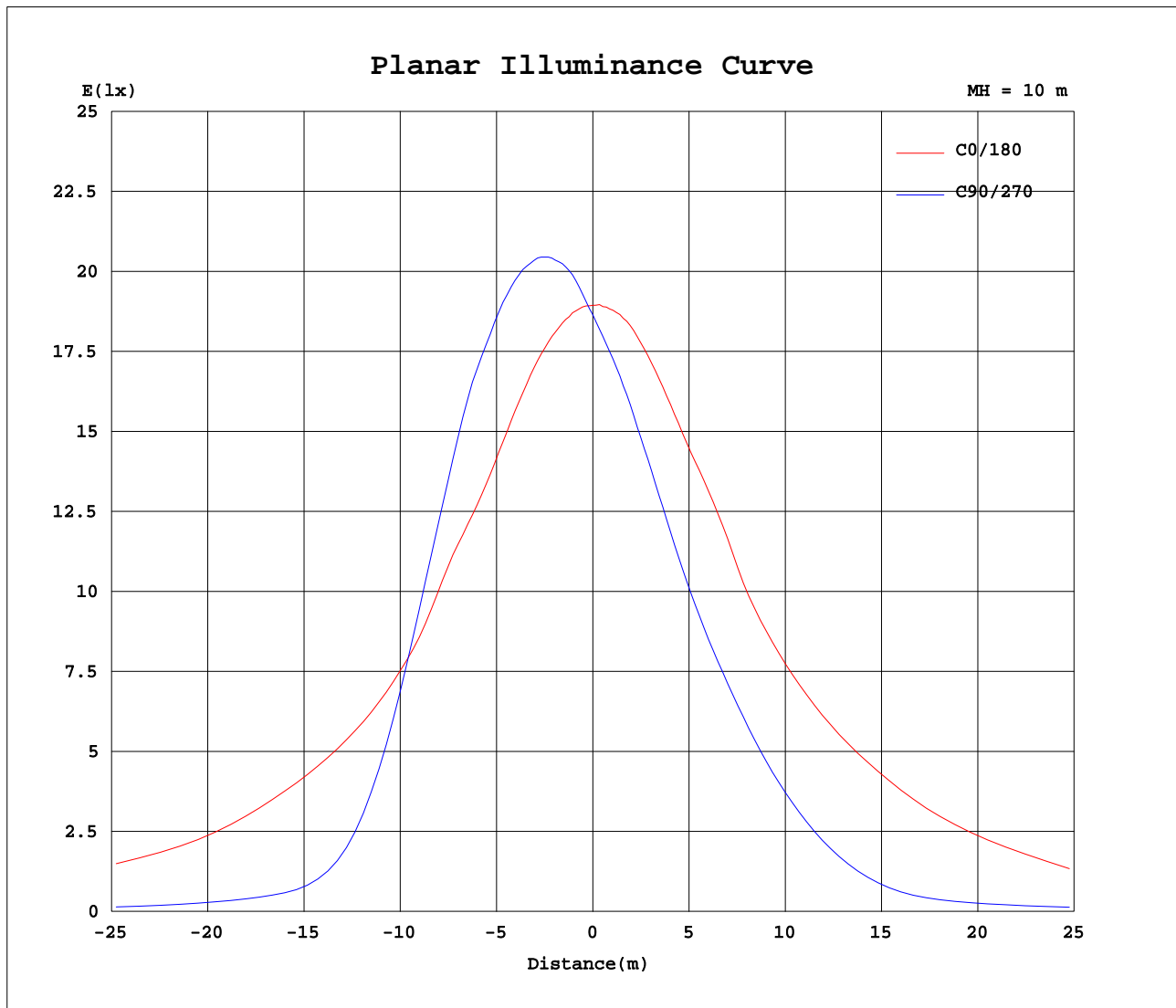
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2017.11.8

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



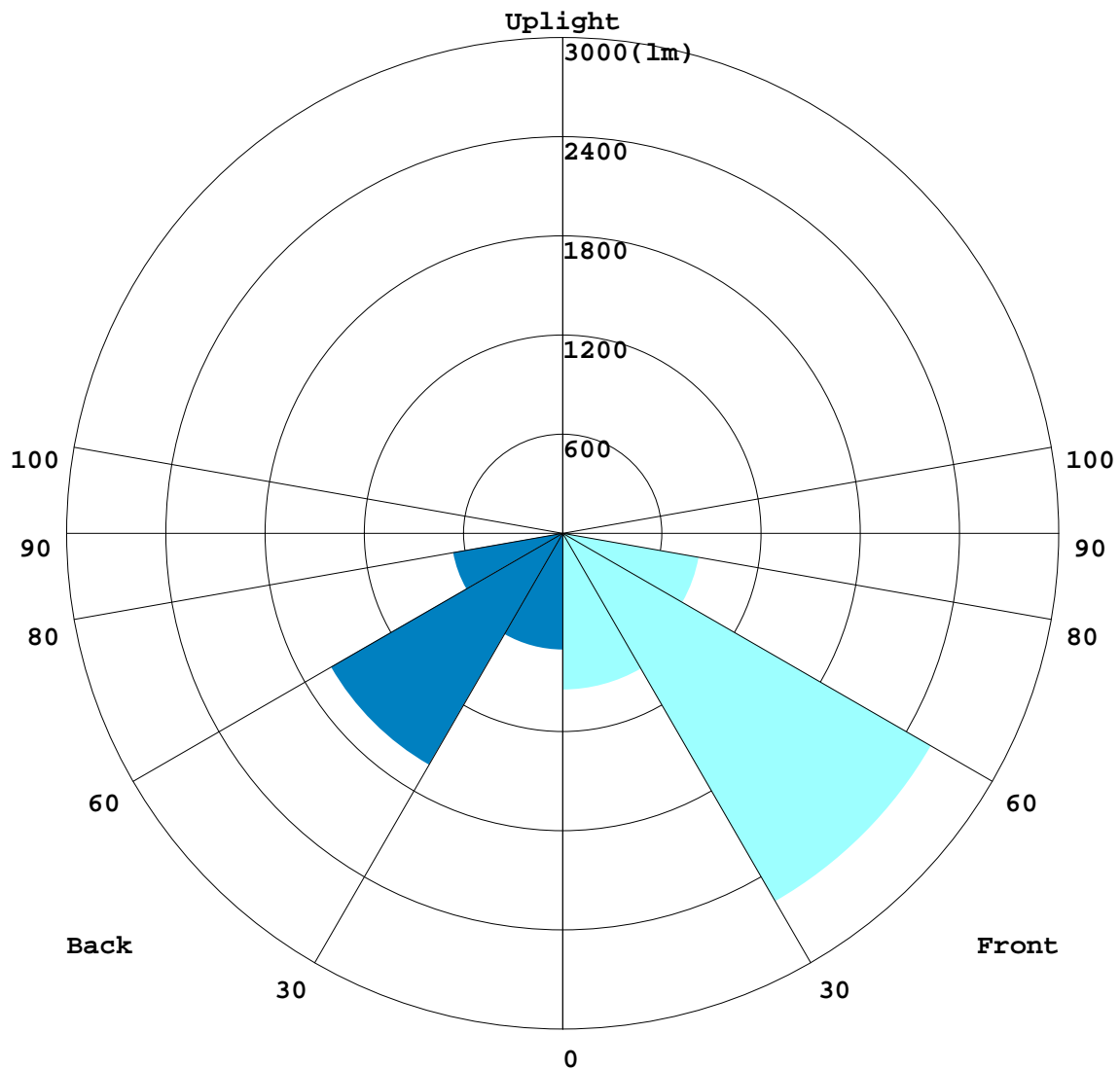
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2017.11.8

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:2017.11.8

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)	946.63	12.8
FM - Front-Medium(30-60)	2571.9	34.7
FH - Front-High(60-80)	836.64	11.3
FVH - Front-Very High(80-90)	33.519	0.5
Total Forward Light	4390.5	59.2

BL - Back-Low(0-30)	704.79	9.5
BM - Back-Medium(30-60)	1618.5	21.8
BH - Back-High(60-80)	672.45	9.1
BVH - Back-Very High(80-90)	21.722	0.3
Total Back Light	3019.9	40.8

UL - Uplight-Low(90-100)	4.0111	0.1
UH - Uplight-High(100-180)	0.24365	0.0
Total Up Light	4.2548	0.1

BUG(Back,Up,Glare) Rating	B2-U1-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3017.4	2.4768	3019.9
Street Side	4388.7	1.778	4390.5

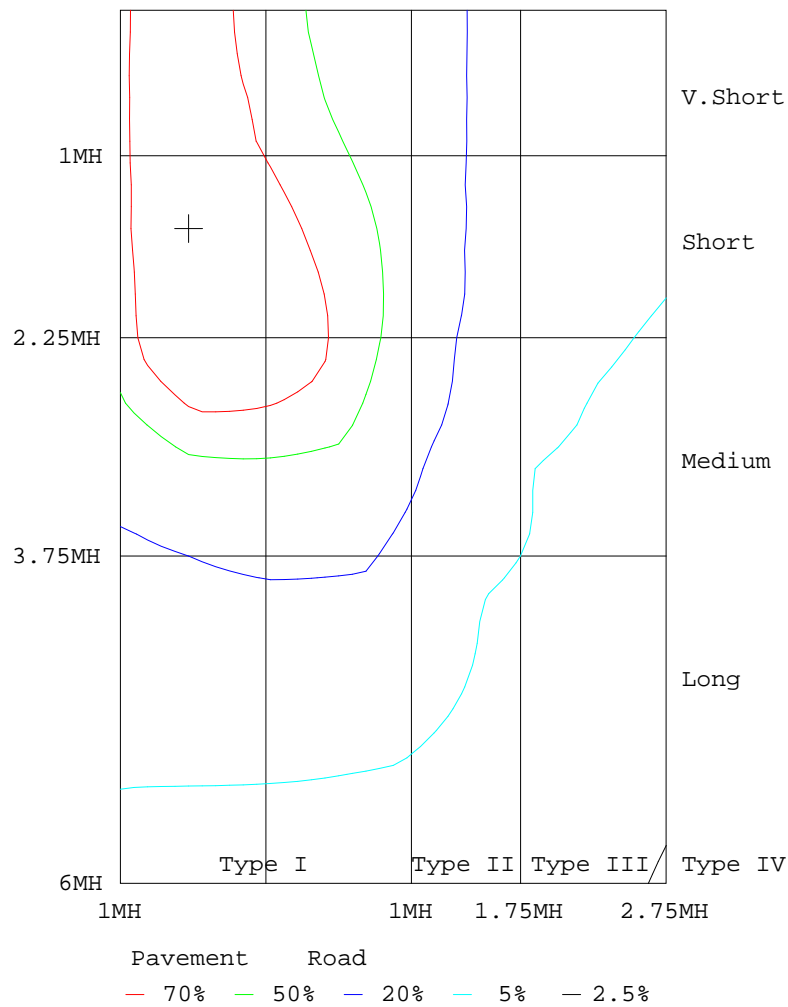
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017.11.8

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:2017.11.8

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	1894	1892	1886	1882	1880	1875	1874	1869	1869	1864	1864	1858	1859	1853	1854	1852	1849	1845	1894
5	1899	1912	1927	1945	1958	1973	1983	1989	1995	1994	1993	1982	1972	1960	1941	1921	1899	1876	1905
10	1910	1942	1981	2014	2048	2075	2099	2113	2124	2126	2128	2114	2099	2073	2045	2010	1968	1921	1931
15	1934	1983	2034	2086	2139	2184	2223	2250	2265	2269	2263	2248	2223	2191	2146	2093	2030	1960	1950
20	1952	2032	2113	2188	2257	2310	2359	2389	2413	2417	2413	2383	2353	2310	2252	2179	2097	2003	1975
25	1972	2075	2185	2288	2384	2452	2495	2533	2550	2557	2545	2520	2499	2451	2376	2284	2179	2057	2007
30	2006	2136	2269	2408	2529	2597	2630	2647	2669	2671	2662	2650	2639	2603	2531	2405	2278	2139	2073
35	2087	2226	2368	2547	2692	2753	2775	2741	2706	2694	2709	2754	2782	2754	2677	2545	2372	2210	2120
40	2100	2288	2498	2706	2876	2890	2760	2611	2507	2475	2508	2620	2761	2878	2867	2709	2496	2254	2111
45	2129	2349	2637	2924	3008	2791	2474	2195	1997	1946	2001	2197	2455	2754	2978	2925	2634	2351	2189
50	2234	2502	2855	3094	2848	2372	1848	1470	1223	1159	1221	1449	1794	2295	2808	3064	2876	2522	2312
55	2410	2742	3122	2994	2327	1584	1008	712	567	538	570	698	961	1503	2254	2941	3093	2732	2471
60	2589	3000	3160	2517	1478	772	457	375	357	359	352	369	445	728	1405	2442	3075	2887	2585
65	2709	3173	2870	1681	699	373	304	297	295	299	284	284	287	341	642	1594	2747	3023	2670
70	2774	3036	2114	789	315	255	240	235	242	244	225	219	218	226	269	685	1809	2307	2166
75	1454	1521	865	287	202	185	174	174	158	158	153	162	156	153	157	205	537	640	764
80	284	282	228	145	116	120	131	116	101	101	96.9	112	113	94.9	82.7	101	171	147	123
85	66.7	134	100	54.8	61.7	59.8	58.2	55.9	51.8	14.7	43.7	43.9	43.0	40.0	36.4	26.0	59.7	68.1	35.7
90	9.37	21.6	9.09	8.82	9.18	7.31	5.53	4.87	3.07	0.83	1.80	1.73	1.55	1.81	2.29	3.03	3.86	4.62	5.95
95	5.57	5.04	4.20	3.32	2.52	1.82	1.40	1.16	1.09	1.06	1.11	1.23	1.50	1.98	2.77	3.76	4.83	5.78	7.36
100	7.15	6.52	5.52	4.46	3.46	2.60	2.03	1.70	1.56	1.53	1.58	1.77	2.16	2.81	3.77	4.93	6.23	7.39	9.19
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:2017.11.8

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	1892	1886	1882	1880	1875	1874	1869	1869	1864	1864	1858	1859	1853	1854	1852	1849	1845		
5	1881	1861	1836	1822	1804	1795	1782	1778	1770	1773	1770	1777	1780	1793	1803	1818	1833		
10	1884	1846	1806	1776	1747	1725	1706	1695	1691	1692	1694	1709	1723	1743	1769	1794	1825		
15	1885	1830	1776	1729	1685	1652	1624	1614	1605	1608	1616	1635	1662	1698	1738	1784	1831		
20	1889	1815	1746	1683	1627	1582	1546	1528	1523	1525	1540	1565	1602	1651	1707	1767	1828		
25	1901	1807	1717	1639	1569	1510	1467	1446	1437	1443	1459	1494	1540	1606	1675	1753	1825		
30	1925	1798	1681	1589	1504	1440	1397	1375	1365	1370	1389	1426	1482	1559	1648	1742	1835		
35	1939	1776	1644	1537	1444	1381	1335	1309	1297	1304	1323	1363	1425	1510	1621	1742	1865		
40	1928	1768	1621	1498	1394	1320	1254	1214	1197	1213	1244	1301	1374	1469	1591	1728	1884		
45	1976	1785	1608	1458	1327	1223	1132	1073	1052	1077	1130	1222	1320	1432	1574	1734	1899		
50	2055	1814	1595	1402	1228	1073	942	863	840	880	962	1097	1243	1394	1570	1765	1970		
55	2144	1842	1567	1292	1025	813	660	585	568	611	707	884	1106	1339	1561	1819	2075		
60	2229	1859	1460	1026	672	461	361	345	345	363	406	563	824	1182	1539	1872	2190		
65	2277	1736	1107	589	313	252	250	269	279	271	259	290	445	837	1386	1902	2316		
70	1935	1166	489	225	196	199	203	221	228	225	211	211	220	380	896	1717	2372		
75	766	297	150	146	141	144	136	144	158	148	152	159	163	171	267	834	1545		
80	124	99.7	87.3	65.1	65.7	78.4	71.4	85.7	95.0	91.0	83.9	95.2	90.5	97.1	121	147	323		
85	37.6	26.9	22.7	21.8	19.8	19.1	14.8	12.6	13.1	24.9	27.5	32.2	33.3	38.7	48.8	73.7	74.8		
90	6.11	5.80	5.26	4.61	3.71	2.87	2.01	1.37	1.14	1.84	3.55	4.48	5.44	7.14	7.68	8.39	8.43		
95	7.36	6.80	5.72	4.38	2.98	2.04	1.64	1.47	1.41	1.44	1.62	2.08	3.15	4.35	5.33	6.03	6.30		
100	9.15	8.63	7.44	6.08	4.51	3.25	2.51	2.20	2.13	2.21	2.55	3.29	4.47	5.72	6.77	7.55	7.90		
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:2017.11.8

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: