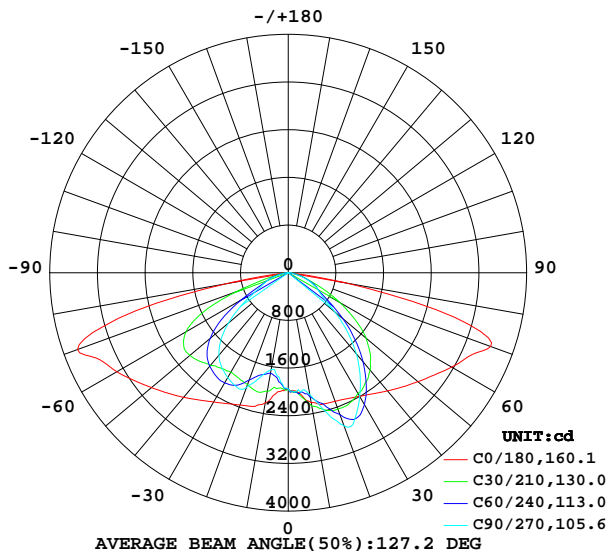
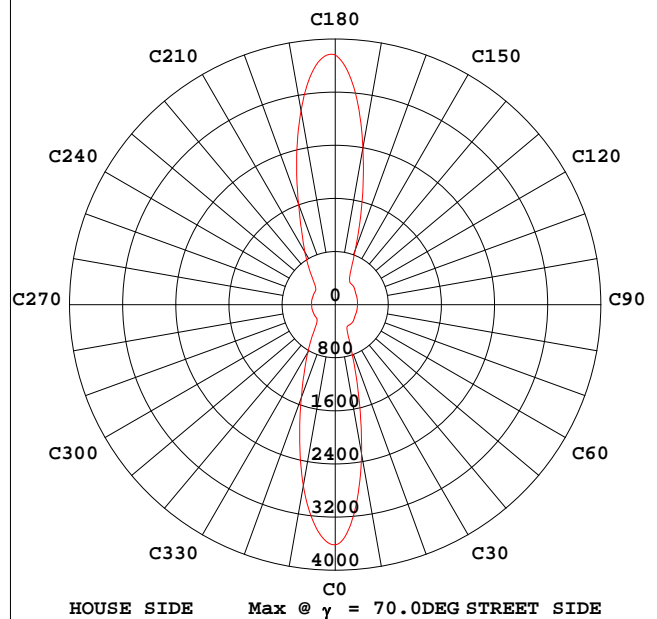


STREETLIGHT PHOTOMETRIC TEST REPORT

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 1M 3030	Imax(cd)	3761	η street_up(%)	0.2
NOMINAL POWER(W)	70	LOR(%)	100.0	η street_down(%)	48.7
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	8050	η house_up(%)	0.2
NOMINAL FLUX(lm)	8050	MAXIMUM @ (C, γ)	180,70.0	η house_down(%)	50.8
LAMPS INSIDE	1	η up(%)	0.4	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	220.1	η down(%)	99.6	SLI	23.744

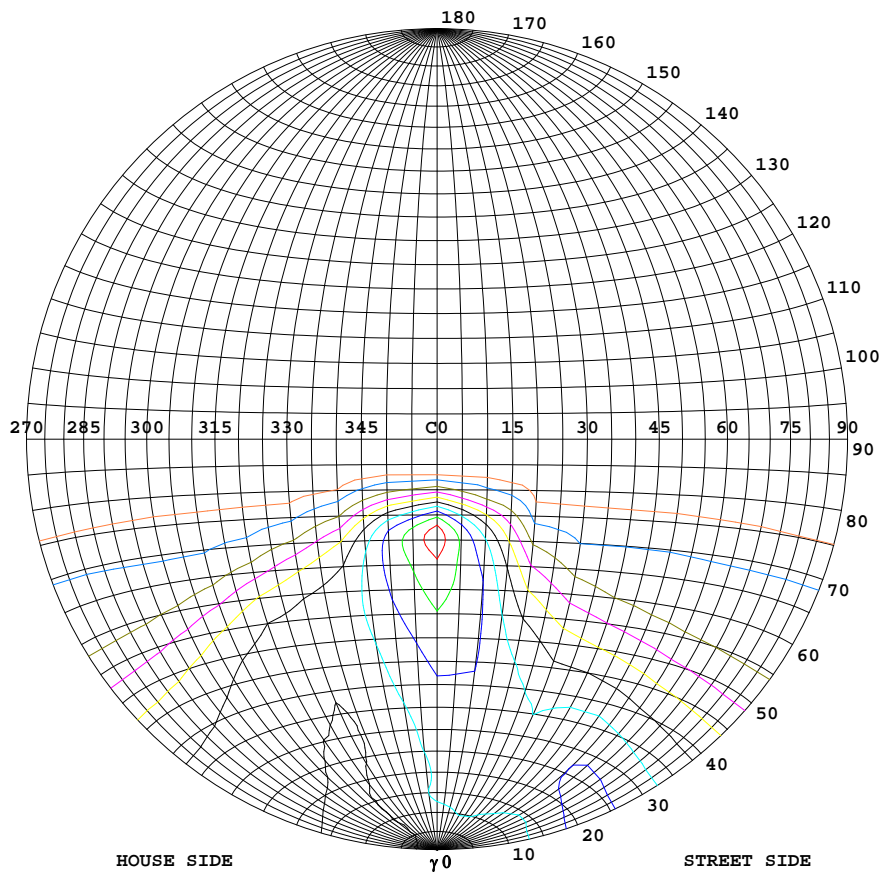
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:



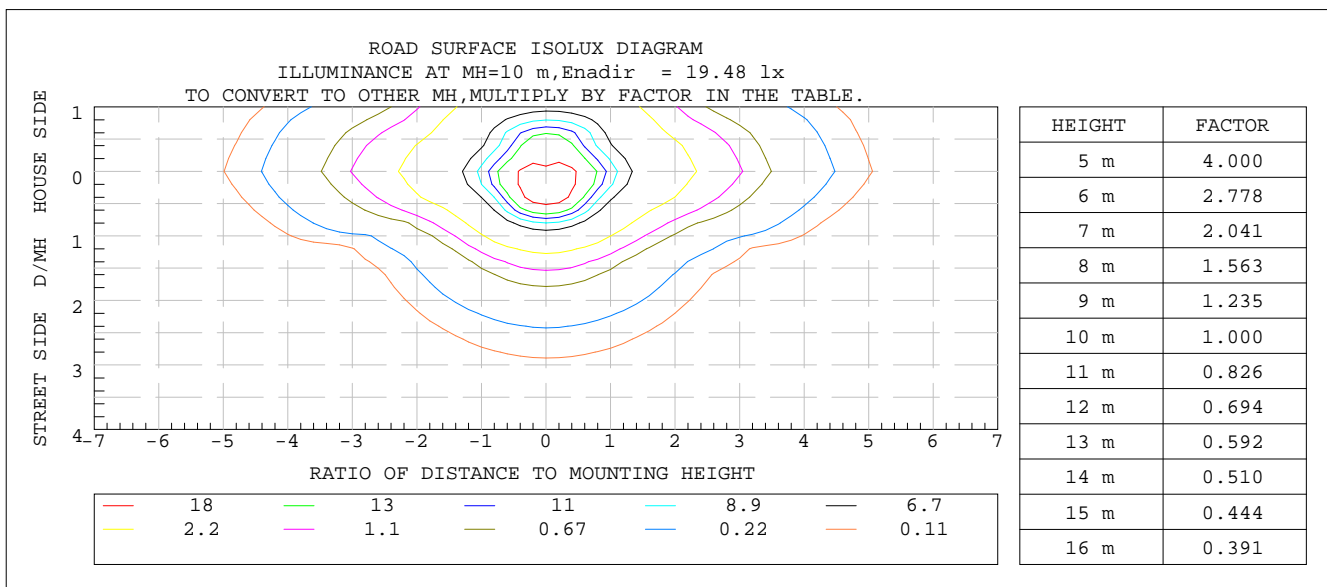
Classification:

IES:Type V - Medium
 CIE:Narrow - Long
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:131.0cd/klm
 Max.At90:11.67cd/klm
 Max.80-90:131.0cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	3761
90%	3385
80%	3009
70%	2633
60%	2257
50%	1881
40%	1505
30%	1128
20%	752
10%	376
5%	188

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:

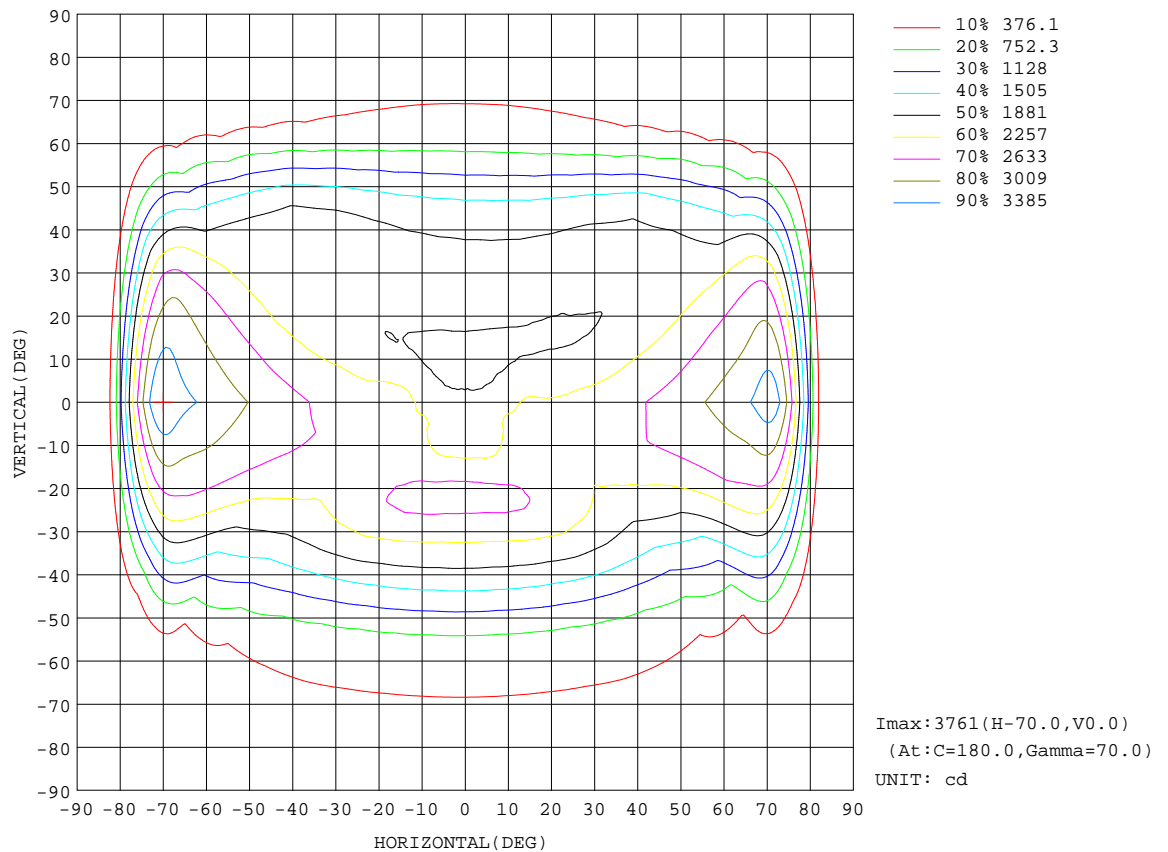
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	2213	2169	2070	2157	2215	1845	1651	1837	0- 10	188.6	188.6	2.34,2.34
20	2296	2414	2729	2466	2362	1878	2046	1813	10- 20	613.6	802.1	9.96,9.96
30	2395	2496	2400	2559	2504	2038	2031	1947	20- 30	1064	1866	23.2,23.2
40	2589	2132	1781	2192	2729	2187	1810	2066	30- 40	1384	3250	40.4,40.4
50	2842	1442	1019	1517	2998	2096	1310	1938	40- 50	1523	4773	59.3,59.3
60	3167	696.9	583.0	756.9	3322	1470	638.9	1320	50- 60	1413	6186	76.8,76.8
70	3617	367.7	336.4	386.2	3761	465.2	356.8	421.3	60- 70	1127	7313	90.8,90.8
80	957.9	111.4	80.63	123.1	1055	135.9	91.43	121.4	70- 80	616.2	7929	98.5,98.5
90	6.627	26.17	5.418	24.29	8.095	24.26	5.251	24.63	80- 90	85.08	8014	99.6,99.6
100	9.078	24.95	8.510	22.94	9.444	22.31	8.203	23.28	90-100	34.40	8049	100,100
110	0	0	0	0	0	0	0	0	100-110	1.525	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

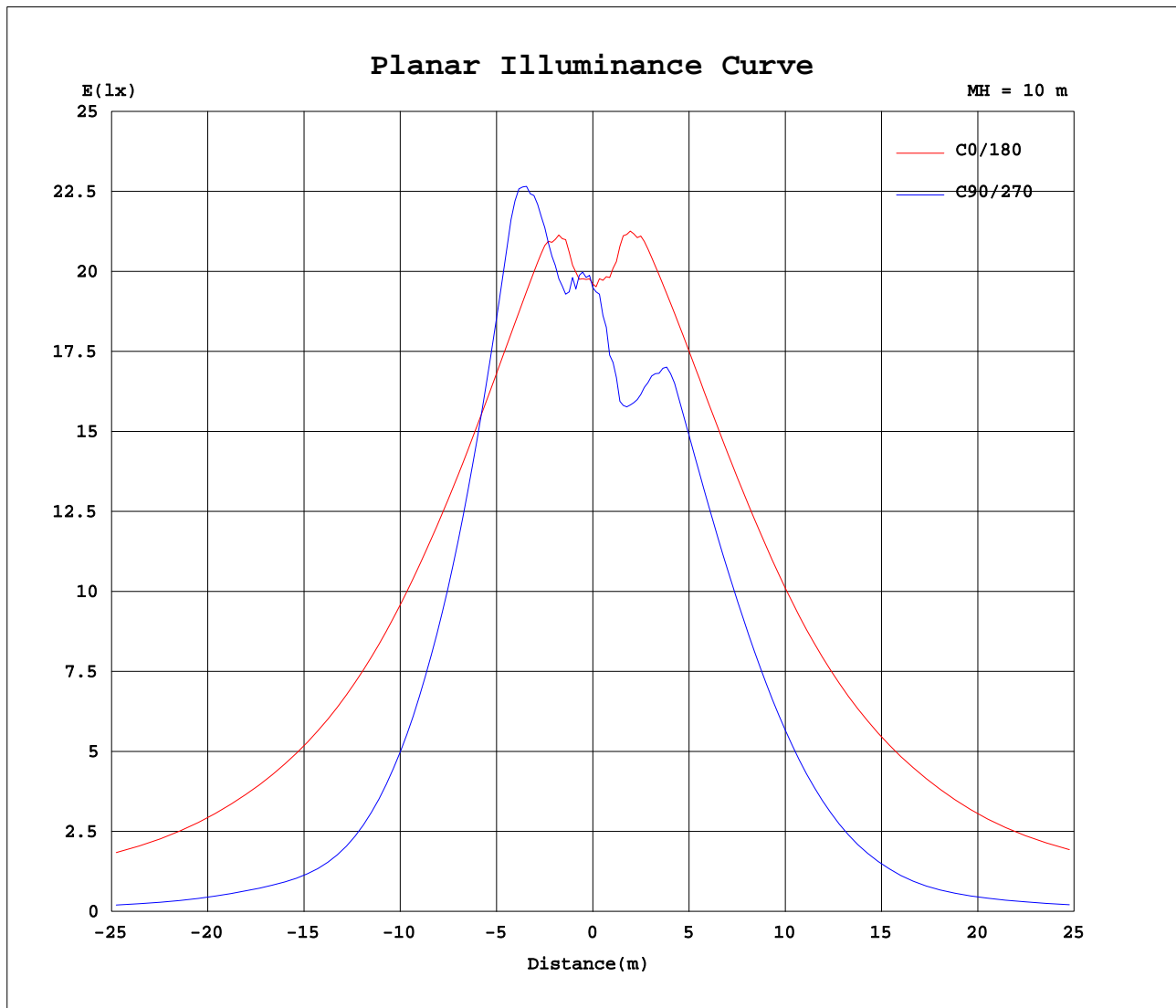
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:



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

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



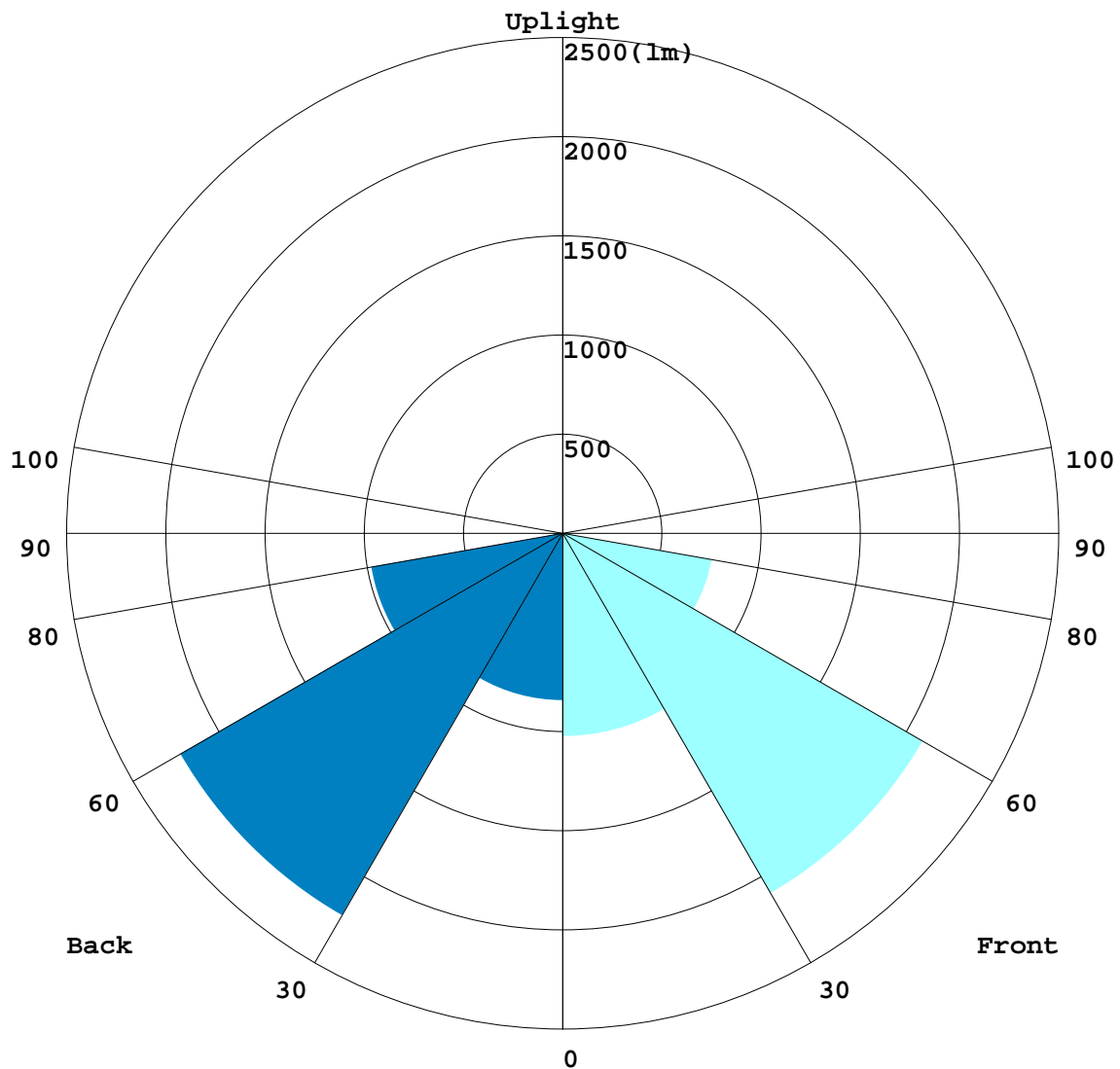
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2017.10.31

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)	1023.8	12.7
FM - Front-Medium(30-60)	2095.4	26.0
FH - Front-High(60-80)	763.83	9.5
FVH - Front-Very High(80-90)	39.188	0.5
Total Forward Light	3940.5	48.9

BL - Back-Low(0-30)	842.16	10.5
BM - Back-Medium(30-60)	2224.3	27.6
BH - Back-High(60-80)	979.75	12.2
BVH - Back-Very High(80-90)	45.888	0.6
Total Back Light	4109.7	51.1

UL - Uplight-Low(90-100)	34.4	0.4
UH - Uplight-High(100-180)	1.5246	0.0
Total Up Light	35.925	0.4

BUG(Back,Up,Glare) Rating	B2-U2-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4092.1	17.65	4109.7
Street Side	3922.2	18.274	3940.5

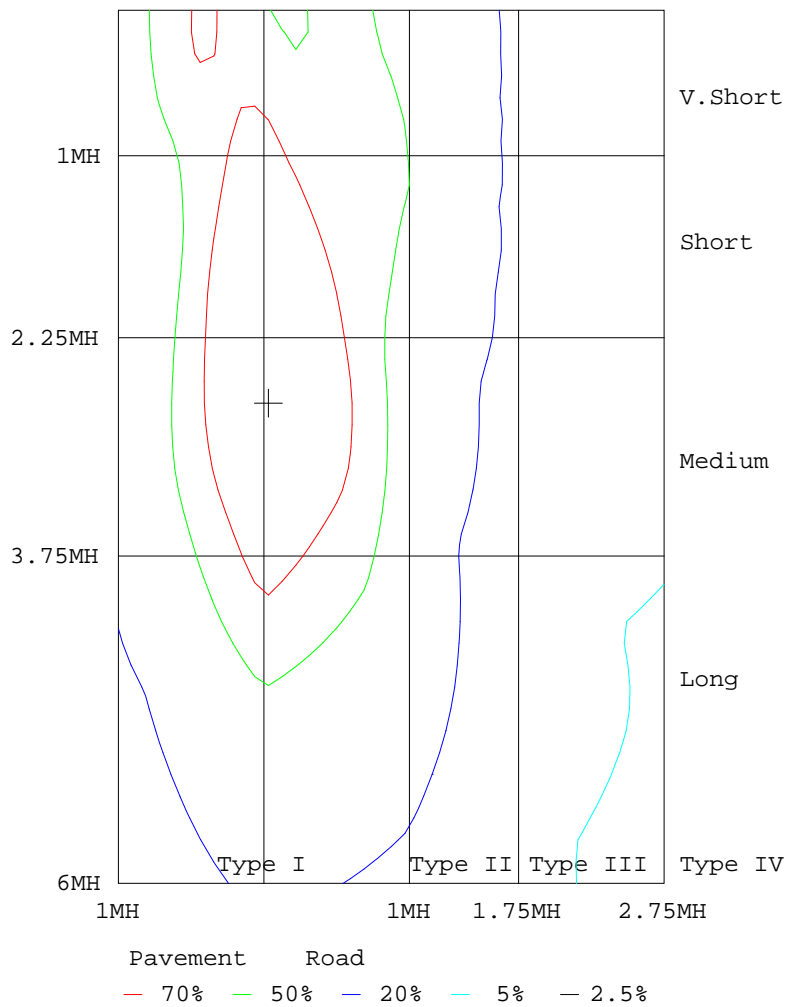
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017.10.31

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	1961	1958	1950	1953	1944	1950	1943	1950	1941	1950	1942	1951	1944	1948	1947	1950	1952	1949	1961
5	2021	2068	2061	2044	2052	2018	2040	2006	1993	1968	1969	2013	2038	2008	2044	2030	2017	2043	2004
10	2213	2230	2266	2266	2198	2139	2117	2090	2072	2070	2063	2081	2099	2117	2197	2269	2268	2218	2215
15	2282	2370	2410	2382	2367	2299	2280	2323	2382	2409	2390	2364	2313	2321	2395	2430	2444	2409	2323
20	2296	2442	2429	2436	2393	2435	2530	2634	2704	2729	2720	2655	2594	2484	2448	2490	2484	2487	2362
25	2333	2435	2458	2422	2410	2552	2698	2715	2681	2672	2692	2741	2748	2643	2475	2472	2521	2489	2424
30	2395	2511	2465	2340	2427	2565	2559	2475	2411	2400	2420	2493	2583	2616	2502	2416	2548	2585	2504
35	2479	2550	2432	2253	2334	2386	2283	2178	2113	2102	2119	2193	2305	2427	2412	2359	2522	2629	2607
40	2589	2607	2361	2138	2160	2103	1952	1853	1790	1781	1799	1870	1981	2142	2243	2251	2476	2695	2729
45	2710	2643	2275	1952	1884	1753	1586	1484	1420	1410	1429	1503	1616	1797	1977	2084	2387	2744	2858
50	2842	2663	2089	1704	1527	1357	1196	1093	1027	1019	1038	1112	1230	1411	1623	1870	2257	2787	2998
55	2992	2669	1848	1367	1140	955	817	748	714	711	720	762	844	1006	1250	1550	2056	2818	3154
60	3167	2652	1533	1003	760	634	588	587	582	583	585	593	601	666	847	1196	1767	2809	3322
65	3334	2560	1153	648	498	493	487	461	453	455	456	468	497	507	541	788	1396	2697	3474
70	3617	2288	690	373	372	363	344	340	336	336	340	347	356	379	393	434	892	2401	3761
75	2890	1520	277	240	235	230	218	208	194	192	198	216	228	243	250	257	344	1530	2942
80	958	420	151	131	114	108	102	93.6	85.3	80.6	87.3	98.0	110	119	127	140	155	378	1055
85	41.2	114	89.9	64.6	45.3	35.9	30.1	28.3	25.1	22.8	26.1	30.5	33.0	39.6	48.3	65.9	88.6	112	54.6
90	6.63	93.9	77.1	50.8	31.5	20.9	14.9	10.9	7.68	5.42	7.46	10.5	14.2	19.6	29.0	45.7	68.8	86.2	8.09
95	7.62	87.7	72.5	48.8	31.2	21.5	15.9	11.9	8.68	6.83	8.36	11.3	15.0	20.0	28.7	44.1	65.2	81.0	8.06
100	9.08	71.8	60.6	42.4	28.7	21.2	16.4	12.9	9.91	8.51	9.52	12.2	15.3	19.5	26.3	38.2	54.2	65.0	9.44
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	1958	1950	1953	1944	1950	1943	1950	1941	1950	1942	1951	1944	1948	1947	1950	1952	1949		
5	2041	1985	1947	1906	1846	1838	1797	1757	1759	1770	1778	1833	1841	1876	1926	1974	1991		
10	2196	2108	2019	1901	1789	1714	1677	1654	1651	1648	1686	1705	1777	1896	1975	2044	2123		
15	2303	2171	2061	1922	1808	1776	1782	1802	1817	1794	1764	1752	1783	1867	1991	2097	2233		
20	2312	2153	1996	1892	1863	1916	1976	2028	2046	2013	1950	1884	1808	1818	1919	2060	2156		
25	2292	2137	1954	1883	1975	2084	2122	2110	2096	2094	2087	2038	1916	1803	1861	2015	2186		
30	2361	2132	1927	1973	2103	2136	2091	2052	2031	2032	2050	2072	2022	1871	1823	1993	2199		
35	2402	2128	1958	2077	2178	2115	2024	1968	1943	1947	1975	2034	2076	1973	1848	1994	2240		
40	2470	2158	2029	2187	2186	2047	1922	1845	1810	1820	1867	1956	2063	2069	1907	2013	2315		
45	2550	2188	2100	2227	2135	1928	1753	1648	1602	1618	1687	1822	1998	2086	1974	2035	2390		
50	2652	2231	2156	2206	1986	1708	1491	1364	1310	1331	1418	1595	1836	2039	2014	2064	2477		
55	2764	2256	2143	2036	1697	1367	1131	1009	962	980	1061	1258	1547	1881	1982	2090	2577		
60	2883	2240	1982	1698	1242	909	732	665	639	647	691	826	1102	1538	1837	2045	2667		
65	2979	2071	1592	1110	701	530	478	475	472	470	467	490	623	973	1452	1892	2758		
70	2966	1620	918	546	384	364	359	361	357	357	352	351	358	484	828	1497	2772		
75	2174	835	363	270	251	244	231	219	207	213	221	230	235	247	322	737	2025		
80	758	231	156	142	130	123	108	101	91.4	96.5	101	112	117	126	137	195	645		
85	121	96.8	70.0	54.5	45.0	39.0	34.4	31.6	26.8	29.6	31.3	34.2	38.8	48.1	63.9	89.7	111		
90	85.4	68.7	45.6	28.8	19.7	14.5	10.8	7.74	5.25	7.46	10.5	14.3	19.8	29.5	47.3	72.3	91.9		
95	79.3	64.5	43.5	28.3	19.9	15.1	11.5	8.60	6.61	8.38	11.4	15.1	20.3	29.2	45.2	67.9	85.6		
100	62.6	51.9	36.8	25.5	19.1	6.08	12.3	9.63	8.20	9.52	12.3	15.5	19.8	26.8	38.9	56.0	69.7		
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: