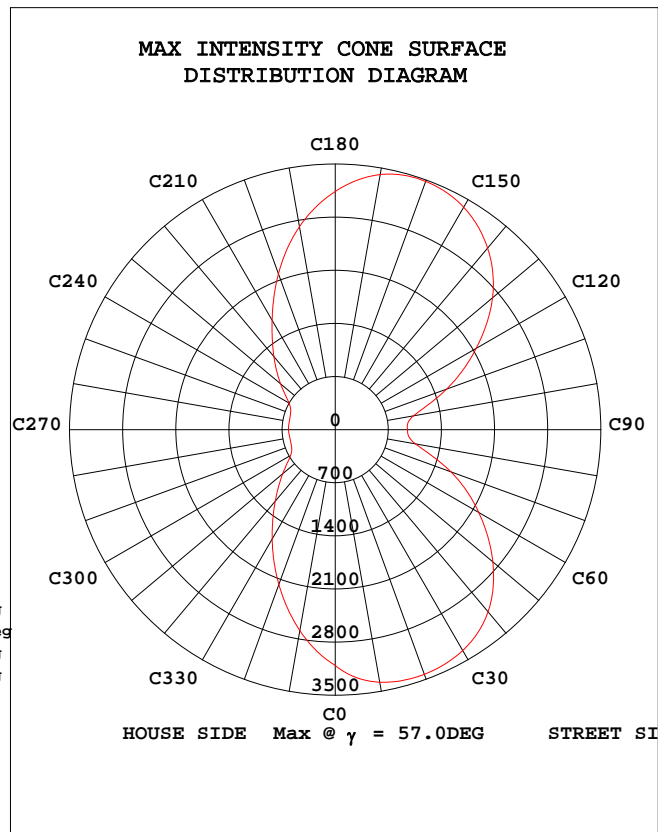
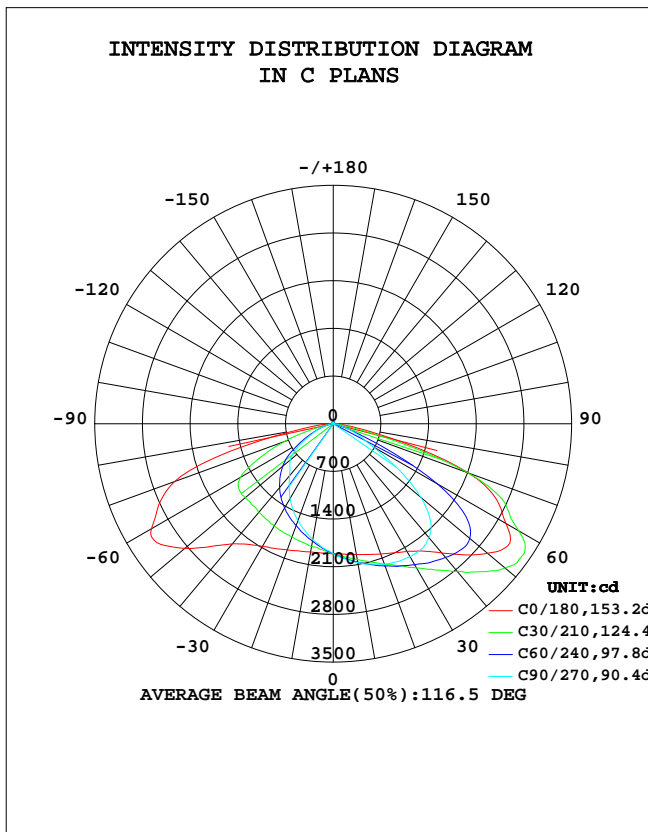


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.1V I:0.2713A P:58.32W PF:0.9764 Lamp Flux:8401.64x1 lm		
NAME: LED Street Lights AURO-GARDEN-1	TYPE:Street Light	WEIGHT:/
SPEC.: 60W 5000K 3106	DIM.: YES	SERIAL No.:/
MFR.: AURO	SUR.:0.25mX0.08m	PROTECTION ANGLE:/

DATA OF LAMP		PHOTOMETRIC DATA Eff: 144.07 lm/W			
MODEL	Lumileds 3G 1X28	I <sub>max</sub> (cd)	3482	η street_up(%)	0.6
NOMINAL POWER(W)	58.3181	LOR(%)	100.0	η street_down(%)	61.0
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	8402	η house_up(%)	0.9
NOMINAL FLUX(lm)	8401.64	MAXIMUM @(C,γ )	160,57.0	η house_down(%)	37.5
LAMPS INSIDE	1	η up(%)	1.5	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	220.1	η down(%)	98.5	SLI	



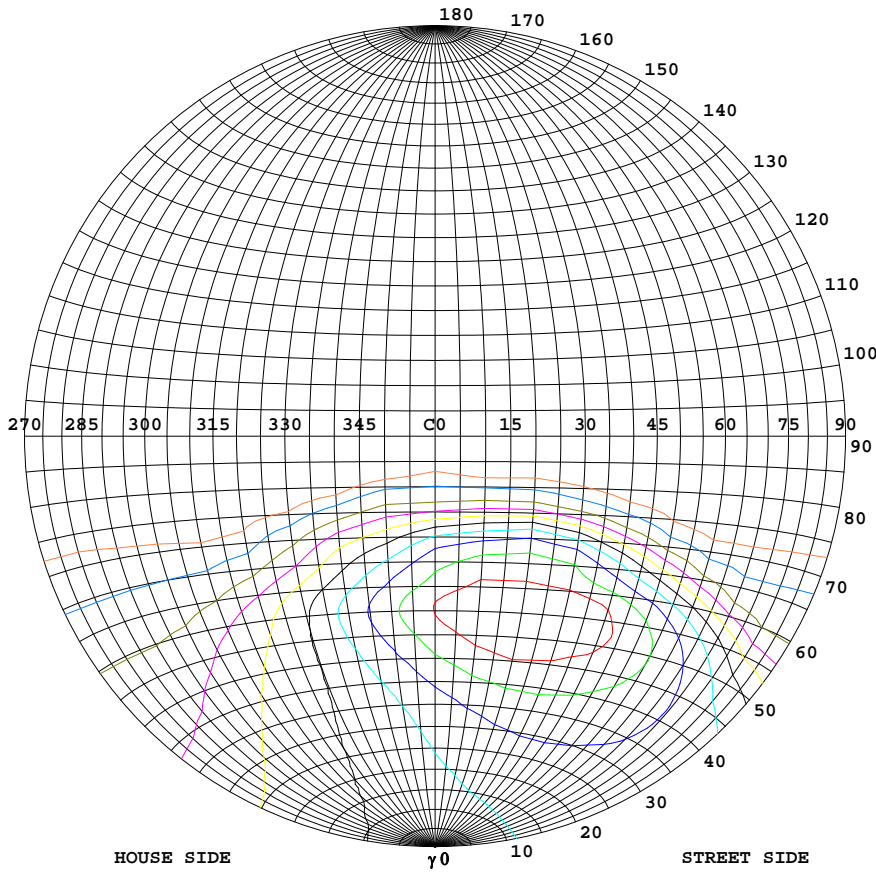
C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:24.5DEG  
Operators:FCZ  
Test Date:2016-12-27

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.281  
Humidity:27%  
Test Distance:18.400m [K=1.0000]  
Remarks: /

Note: SLI:Specific Luminaire Index

**STREETLIGHT ISOCANDELA DIAGRAM**

Test:U:220.1V I:0.2713A P:58.32W PF:0.9764 Lamp Flux:8401.64x1 lm		
NAME: LED Street Lights AURO-GARDEN-1	TYPE:Street Light	WEIGHT:/
SPEC.: 60W 5000K 3106	DIM.: YES	SERIAL No.:/
MFR.: AURO	SUR.:0.25mX0.08m	PROTECTION ANGLE:/



**Classification:**

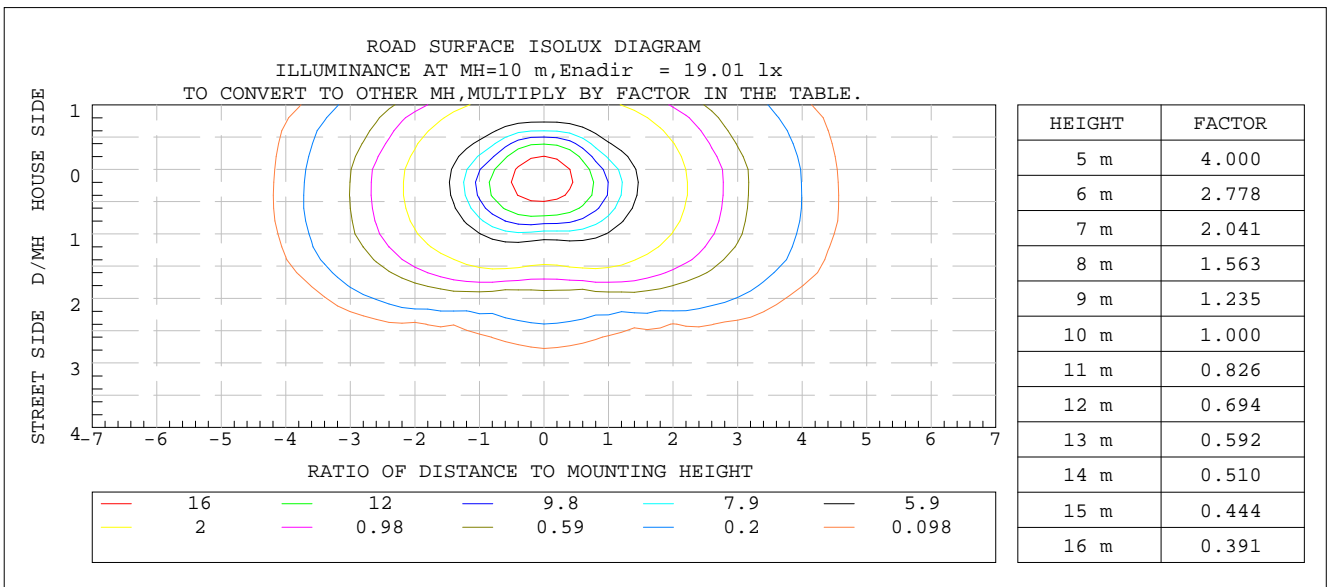
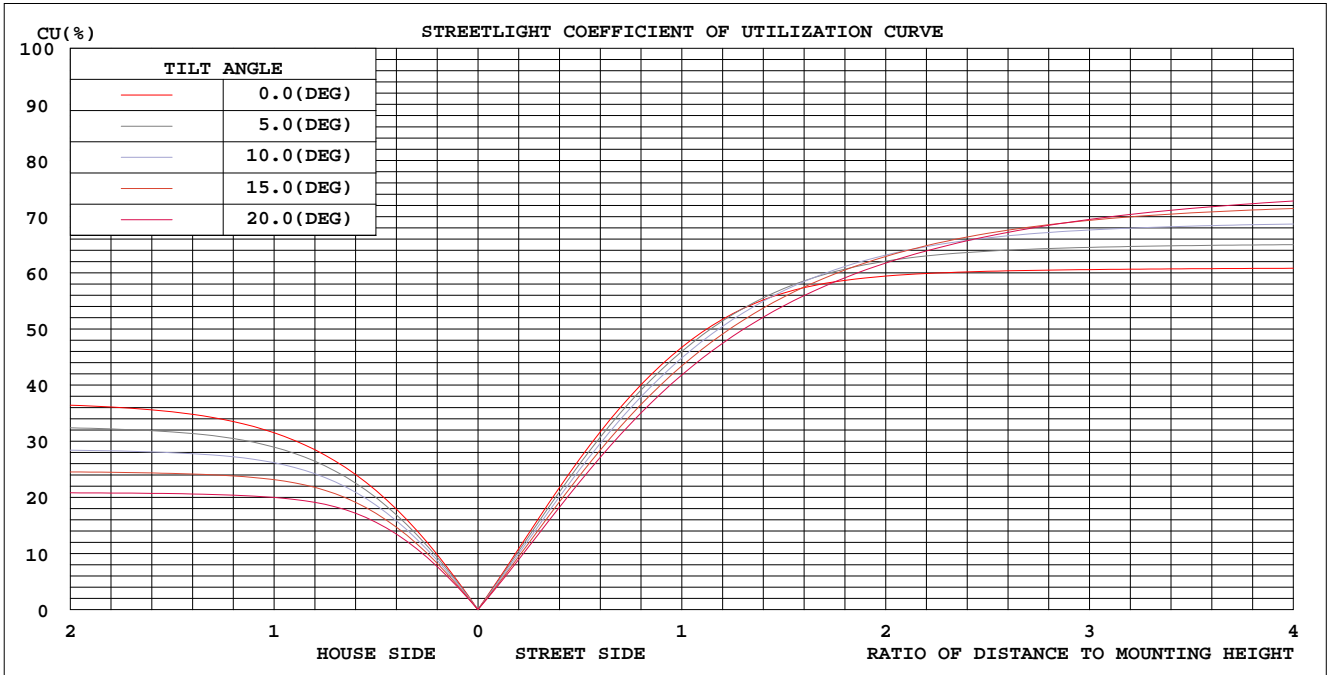
IES:Type II - Short  
 CIE:Narrow - Short  
 IES:Cut-off  
 CIE:Semi-cut-off  
 Max.At80:66.74cd/klm  
 Max.At90:1.709cd/klm  
 Max.80-90:66.74cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	3482
90%	3133
80%	2785
70%	2437
60%	2089
50%	1741
40%	1393
30%	1044
20%	696
10%	348
5%	174

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:FCZ  
 Test Date:2016-12-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.281  
 Humidity:27%  
 Test Distance:18.400m [K=1.0000]  
 Remarks: /

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 24.5DEG  
Operators: FCZ  
Test Date: 2016-12-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.281  
Humidity: 27%  
Test Distance: 18.400m [K=1.0000]  
Remarks: /

ZONAL FLUX DIAGRAM

Test:U:220.1V I:0.2713A P:58.32W PF:0.9764 Lamp Flux:8401.64x1 lm		
NAME: LED Street Lights AURO-GARDEN-1	TYPE:Street Light	WEIGHT: /
SPEC.: 60W 5000K 3106	DIM.: YES	SERIAL No.: /
MFR.: AURO	SUR.:0.25mX0.08m	PROTECTION ANGLE: /

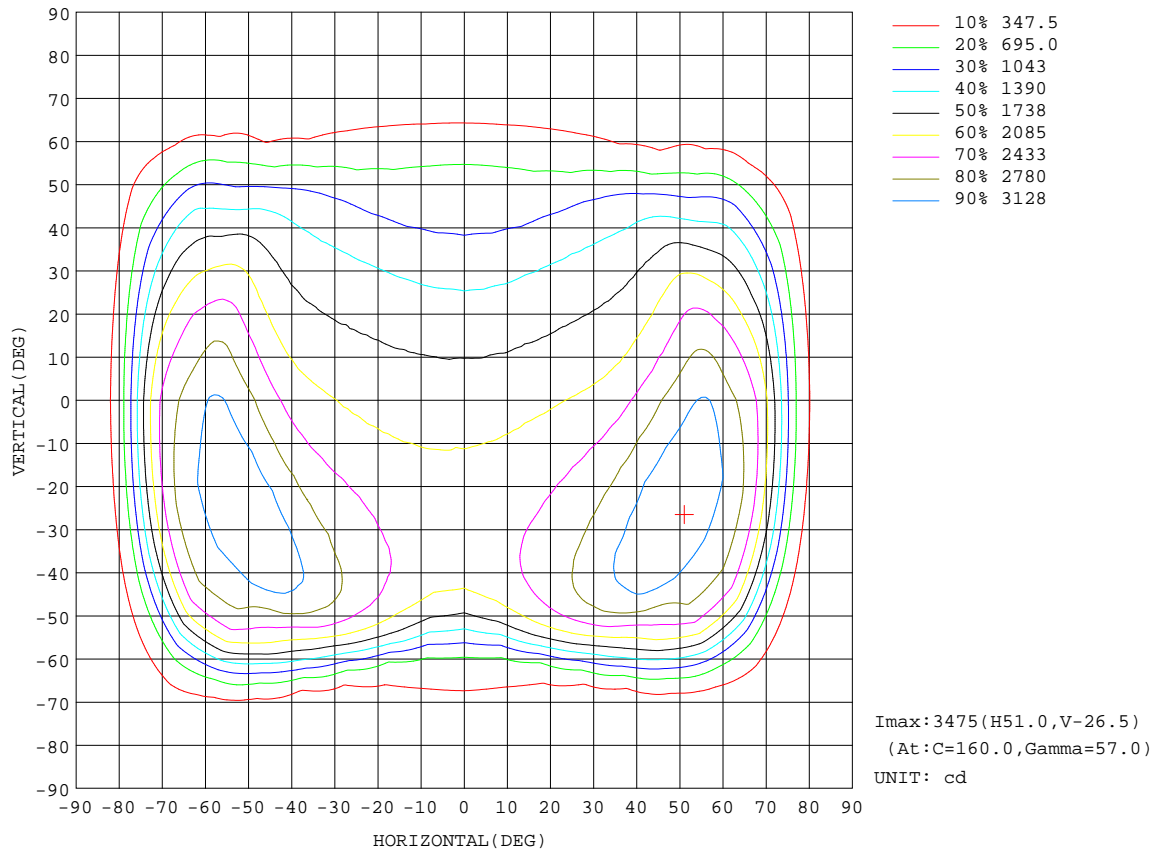
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	1950	2045	2069	2028	1912	1786	1734	1811	0- 10	182.6	182.6	2.17,2.17
20	2036	2226	2197	2173	1971	1678	1514	1715	10- 20	546.3	728.9	8.68,8.68
30	2166	2443	2257	2364	2078	1580	1270	1623	20- 30	905.3	1634	19.5,19.5
40	2475	2739	2186	2627	2303	1458	999.8	1498	30- 40	1259	2894	34.4,34.4
50	2959	3053	1678	2959	2846	1299	825.6	1320	40- 50	1616	4509	53.7,53.7
60	2927	2609	663.8	2666	3083	927.3	493.9	863.9	50- 60	1802	6311	75.1,75.1
70	2116	955.2	255.0	1068	2477	263.5	221.9	215.7	60- 70	1355	7667	91.3,91.3
80	354.3	95.44	75.48	109.1	543.8	67.52	59.81	62.82	70- 80	548.5	8215	97.8,97.8
90	9.812	2.854	1.660	2.720	11.82	5.752	2.124	7.168	80- 90	60.56	8276	98.5,98.5
100	15.99	6.563	6.193	6.012	17.88	12.44	9.000	14.14	90-100	8.543	8284	98.6,98.6
110	20.80	12.14	11.11	12.07	23.09	19.88	14.34	20.86	100-110	15.05	8299	98.8,98.8
120	24.46	17.22	13.76	16.93	26.74	25.25	20.54	26.63	110-120	18.97	8318	99,99
130	28.61	21.40	17.15	20.30	30.21	28.09	25.17	29.48	120-130	20.64	8339	99.3,99.3
140	34.31	23.66	20.61	21.71	33.58	30.69	28.38	32.30	130-140	20.26	8359	99.5,99.5
150	36.74	25.49	22.92	23.51	34.56	32.26	29.52	32.73	140-150	17.86	8377	99.7,99.7
160	34.58	26.83	24.94	25.41	32.72	31.55	30.25	31.79	150-160	13.58	8391	99.9,99.9
170	33.55	28.70	26.91	26.86	31.83	30.08	29.64	30.70	160-170	8.343	8399	100,100
180	32.30	28.68	26.61	27.93	30.99	28.73	26.61	28.00	170-180	2.782	8402	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:FCZ  
 Test Date:2016-12-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.281  
 Humidity:27%  
 Test Distance:18.400m [K=1.0000]  
 Remarks: /

ISOCANDELA DIAGRAM

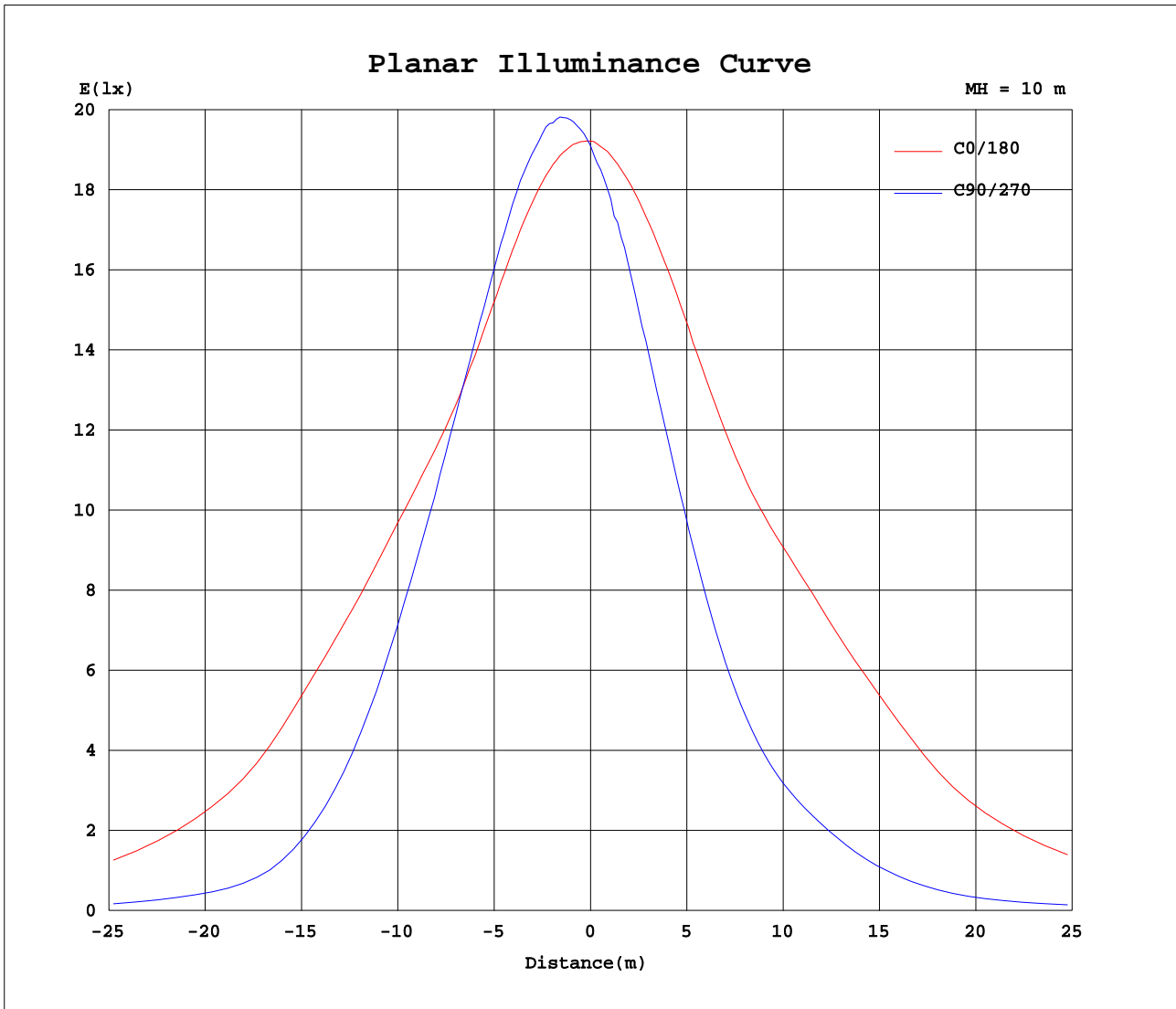
Test:U:220.1V I:0.2713A P:58.32W PF:0.9764 Lamp Flux:8401.64x1 lm		
NAME: LED Street Lights AURO-GARDEN-1	TYPE:Street Light	WEIGHT:/
SPEC.: 60W 5000K 3106	DIM.: YES	SERIAL No.:/
MFR.: AURO	SUR.:0.25mX0.08m	PROTECTION ANGLE:/



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 24.5DEG  
 Operators: FCZ  
 Test Date: 2016-12-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.281  
 Humidity: 27%  
 Test Distance: 18.400m [K=1.0000]  
 Remarks: /

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 24.5DEG  
 Operators: FCZ  
 Test Date: 2016-12-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.281  
 Humidity: 27%  
 Test Distance: 18.400m [K=1.0000]  
 Remarks: /

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.1V I:0.2713A P:58.32W PF:0.9764 Lamp Flux:8401.64x1 lm		
NAME: LED Street Lights AURO-GARDEN-1	TYPE:Street Light	WEIGHT: /
SPEC.: 60W 5000K 3106	DIM.: YES	SERIAL No.: /
MFR.: AURO	SUR.: 0.25mX0.08m	PROTECTION 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	1910	1910	1910	1910	1910	1910	1910	1910	1910	1910	1910	1910	1910	1910	1910	1910	1910	1910	1910
5	1924	1934	1950	1963	1971	1978	1985	1989	1989	1992	1991	1991	1980	1981	1960	1953	1934	1920	1906
10	1950	1974	2002	2024	2037	2053	2061	2070	2067	2069	2071	2063	2052	2037	2019	2001	1968	1948	1912
15	1988	2029	2074	2099	2117	2130	2142	2143	2143	2133	2130	2126	2112	2107	2085	2054	2016	1987	1935
20	2036	2095	2148	2201	2234	2219	2224	2210	2199	2197	2191	2188	2185	2178	2167	2147	2085	2040	1971
25	2092	2181	2256	2301	2326	2320	2307	2276	2250	2235	2227	2244	2265	2266	2254	2233	2176	2116	2019
30	2166	2288	2385	2446	2457	2430	2390	2333	2281	2257	2253	2289	2327	2359	2370	2351	2289	2202	2078
35	2280	2453	2566	2623	2615	2553	2484	2390	2307	2249	2256	2330	2406	2471	2511	2498	2431	2320	2162
40	2475	2688	2810	2827	2789	2688	2563	2422	2273	2186	2223	2349	2483	2591	2662	2699	2658	2520	2303
45	2724	2973	3101	3071	2978	2828	2629	2397	2160	2017	2087	2313	2531	2721	2860	2939	2933	2806	2550
50	2959	3214	3322	3294	3166	2941	2617	2254	1883	1678	1802	2160	2524	2849	3069	3218	3245	3132	2846
55	3128	3387	3456	3385	3187	2837	2382	1881	1344	1178	1297	1806	2323	2814	3160	3372	3442	3370	3090
60	2927	3198	3230	3143	2860	2358	1761	1096	700	664	704	1048	1747	2405	2925	3276	3372	3353	3083
65	2649	2898	2927	2790	2244	1539	817	441	416	436	428	451	827	1617	2314	2869	3069	3085	2828
70	2116	2308	2432	2098	1329	582	259	234	237	255	245	247	280	650	1486	2359	2712	2671	2477
75	1064	1212	1221	831	394	164	112	110	126	130	130	116	119	176	488	1156	1725	1731	1574
80	354	324	292	187	107	84.2	69.4	66.8	74.8	75.5	76.7	70.8	71.9	87.4	131	264	485	561	544
85	89.3	45.7	58.2	45.5	42.2	36.4	26.7	25.6	22.0	12.8	22.0	29.0	30.2	45.9	50.1	75.1	117	102	166
90	9.81	8.46	6.56	4.86	3.30	2.41	1.81	1.74	1.74	1.66	1.69	1.67	1.82	2.28	3.16	4.51	6.11	7.48	11.8
95	12.8	11.1	8.85	6.75	4.81	3.53	2.56	2.39	2.19	2.31	2.18	2.32	2.46	3.30	4.35	6.09	7.92	9.93	14.6
100	16.0	14.0	11.4	8.97	6.99	6.14	5.58	6.06	7.49	6.19	5.57	5.91	5.60	5.69	6.34	8.26	10.4	12.8	17.9
105	18.6	16.8	14.3	12.1	10.3	9.02	8.36	8.80	10.2	9.27	9.17	8.73	8.46	9.10	9.98	11.6	13.4	15.7	20.8
110	20.8	19.1	16.9	14.8	12.9	11.4	11.1	10.9	10.1	11.1	9.89	10.7	11.1	11.5	12.6	14.4	16.2	18.4	23.1
115	22.8	21.3	19.2	17.2	15.3	14.2	13.4	12.5	11.2	11.6	11.2	12.4	13.4	14.1	15.1	16.9	18.5	20.5	25.0
120	24.5	23.1	21.4	19.7	18.0	16.5	15.1	13.9	13.0	13.8	13.0	13.9	15.1	16.4	17.5	19.0	20.3	21.9	26.7
125	26.2	25.1	23.8	22.3	20.4	18.4	16.6	15.2	14.6	15.5	14.2	14.8	16.3	18.1	19.3	20.7	22.0	23.3	28.4
130	28.6	27.4	25.7	24.3	22.3	20.5	18.4	16.7	16.2	17.2	16.2	16.0	18.1	19.8	20.9	22.2	23.3	24.6	30.2
135	31.9	30.0	27.3	25.6	23.6	21.8	20.1	18.4	18.3	19.1	18.4	17.9	19.0	20.7	21.8	23.1	24.2	26.1	32.1
140	34.3	32.1	28.4	26.6	24.4	22.9	20.8	20.1	20.3	20.6	20.1	19.3	19.4	21.1	22.3	24.0	25.5	27.1	33.6
145	35.9	33.6	29.3	27.5	25.5	23.6	21.8	21.4	22.0	21.9	21.3	20.4	20.6	21.6	23.2	25.1	26.8	28.4	34.5
150	36.7	34.4	30.0	28.1	26.3	24.7	23.5	22.7	23.6	22.9	22.4	22.2	22.3	22.9	24.1	26.1	27.8	29.5	34.6
155	35.7	33.6	29.9	28.0	26.6	25.7	24.5	24.2	24.8	24.0	23.5	23.8	23.4	24.4	24.7	26.1	27.6	28.9	33.7
160	34.6	32.9	29.1	28.2	27.3	26.4	25.5	25.6	25.8	24.9	24.6	25.0	24.9	25.1	25.7	26.6	27.3	28.5	32.7
165	34.0	32.7	29.1	28.5	27.7	27.3	26.8	26.7	26.7	26.0	25.9	25.9	26.4	26.6	26.3	26.6	27.3	28.4	32.3
170	33.5	32.6	29.2	28.9	28.8	28.6	28.0	27.6	27.7	26.9	27.0	27.1	27.0	26.9	26.8	27.2	27.6	28.4	31.8
175	32.7	32.2	29.3	28.9	28.6	28.3	28.3	28.1	28.9	27.6	27.1	26.6	26.9	27.4	27.4	27.6	27.7	28.2	30.9
180	32.3	32.2	29.3	28.9	28.8	28.6	28.3	27.6	26.9	26.6	26.7	27.2	27.7	27.9	28.0	28.2	28.2	28.5	31.0

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 24.5DEG  
 Operators: FCZ  
 Test Date: 2016-12-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.281  
 Humidity: 27%  
 Test Distance: 18.400m [K=1.0000]  
 Remarks: /

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.1V I:0.2713A P:58.32W PF:0.9764 Lamp Flux:8401.64x1 lm		
NAME: LED Street Lights AURO-GARDEN-1	TYPE:Street Light	WEIGHT: /
SPEC.: 60W 5000K 3106	DIM.: YES	SERIAL No.: /
MFR.: AURO	SUR.: 0.25mX0.08m	PROTECTION 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	1910	1910	1910	1910	1910	1910	1910	1910	1910	1910	1910	1910	1910	1910	1910	1910	1910		
5	1887	1880	1857	1861	1836	1834	1826	1824	1824	1821	1836	1838	1864	1863	1879	1890	1908		
10	1884	1859	1828	1802	1770	1753	1737	1734	1734	1736	1753	1763	1795	1826	1858	1886	1922		
15	1890	1843	1796	1752	1709	1674	1646	1632	1619	1640	1662	1699	1733	1785	1841	1889	1949		
20	1908	1839	1768	1707	1648	1591	1550	1522	1514	1533	1570	1616	1684	1746	1826	1894	1972		
25	1929	1847	1752	1667	1592	1515	1451	1413	1397	1416	1468	1542	1630	1713	1797	1900	1997		
30	1959	1841	1735	1629	1530	1429	1347	1289	1270	1295	1362	1448	1567	1680	1787	1903	2040		
35	1999	1848	1713	1586	1459	1333	1230	1155	1128	1160	1238	1362	1504	1634	1771	1927	2107		
40	2075	1872	1698	1538	1379	1225	1097	1019	1000	1020	1105	1249	1418	1577	1756	1958	2219		
45	2224	1923	1685	1485	1291	1104	960	910	899	909	965	1127	1320	1520	1754	2043	2395		
50	2464	2038	1689	1418	1181	968	843	821	826	819	844	973	1199	1441	1757	2151	2592		
55	2677	2172	1687	1320	1034	794	700	684	683	681	689	779	1019	1320	1713	2222	2727		
60	2655	2116	1572	1102	753	568	522	501	494	493	506	542	699	1029	1492	2015	2519		
65	2382	1811	1198	696	438	371	346	330	330	328	334	350	385	583	1049	1655	2157		
70	1913	1449	764	309	218	223	214	227	222	221	208	210	194	238	607	1198	1612		
75	1234	794	308	150	117	113	121	125	119	121	115	104	106	127	200	515	909		
80	514	195	86.8	73.3	61.7	62.5	64.8	59.0	59.8	57.7	62.0	59.6	58.6	67.0	75.8	100	299		
85	83.3	36.7	37.2	30.8	24.1	21.8	20.3	20.3	18.3	18.7	17.7	18.7	20.6	25.9	29.7	27.9	35.7		
90	14.4	9.73	8.32	6.67	4.84	3.61	3.74	3.13	2.12	2.45	2.97	4.32	6.13	8.21	9.91	10.9	11.0		
95	17.4	12.8	11.5	9.77	7.62	5.83	7.66	6.42	6.13	5.49	6.23	7.20	9.24	11.4	13.1	14.1	14.1		
100	21.0	16.5	15.2	13.4	11.5	10.2	11.9	11.4	9.00	9.44	9.79	11.1	13.3	15.0	16.6	17.6	17.6		
105	24.0	20.2	19.3	17.9	15.9	14.0	15.6	14.3	11.4	12.1	13.8	15.1	16.9	18.8	20.2	21.1	20.6		
110	26.4	23.0	22.2	20.8	19.0	17.4	19.3	16.6	14.3	14.5	16.9	18.7	20.0	21.7	22.9	23.4	22.8		
115	28.0	25.0	24.3	23.4	22.1	20.8	22.3	19.3	17.6	17.4	19.7	21.9	23.3	24.5	25.3	25.5	24.7		
120	29.3	26.4	25.9	25.8	24.7	23.6	24.4	22.4	20.5	20.5	22.1	24.4	26.0	27.3	27.6	27.3	26.2		
125	30.5	27.8	27.6	27.2	26.2	25.4	26.2	24.6	22.5	22.4	24.1	26.4	28.2	29.1	29.5	28.8	27.5		
130	32.0	29.7	29.5	28.9	27.3	25.9	27.2	26.9	25.2	24.9	26.0	27.5	28.9	30.1	31.1	30.6	29.2		
135	33.6	31.6	31.0	30.4	28.8	26.6	27.8	28.5	27.0	26.9	27.7	29.3	30.7	32.1	32.4	32.0	30.5		
140	34.9	33.2	32.7	31.6	29.8	28.0	29.7	30.2	28.4	27.7	28.2	30.1	31.7	32.9	33.1	32.9	31.6		
145	35.6	33.8	33.5	32.8	30.6	29.4	31.2	31.3	28.8	29.4	30.0	30.1	31.7	33.5	33.5	33.2	32.1		
150	35.5	33.6	33.5	32.9	31.6	30.6	32.3	32.0	29.5	30.2	30.7	31.9	32.5	33.0	33.5	33.1	31.5		
155	34.7	32.4	32.7	32.1	31.9	31.3	32.8	32.4	30.0	30.7	31.0	32.0	32.6	32.4	32.3	31.9	30.9		
160	33.8	31.3	31.7	31.6	31.5	31.4	33.1	32.1	30.3	30.7	31.2	31.5	31.8	31.8	31.5	30.8	30.3		
165	33.5	30.6	30.8	30.8	31.4	31.2	33.0	31.9	30.0	30.2	30.8	31.2	31.4	30.9	30.7	30.2	30.2		
170	33.1	30.1	30.0	29.9	30.3	30.3	32.2	31.3	29.6	29.6	30.3	30.6	30.9	30.5	30.1	29.7	29.9		
175	32.4	29.5	29.3	29.1	29.1	28.7	30.4	30.0	28.6	28.7	29.0	29.1	29.4	29.1	29.3	29.1	29.1		
180	32.1	29.3	28.8	28.9	28.6	28.4	29.2	28.1	26.6	26.8	27.3	27.8	28.0	28.0	28.1	28.2	28.6		

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 24.5DEG  
 Operators: FCZ  
 Test Date: 2016-12-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.281  
 Humidity: 27%  
 Test Distance: 18.400m [K=1.0000]  
 Remarks: /