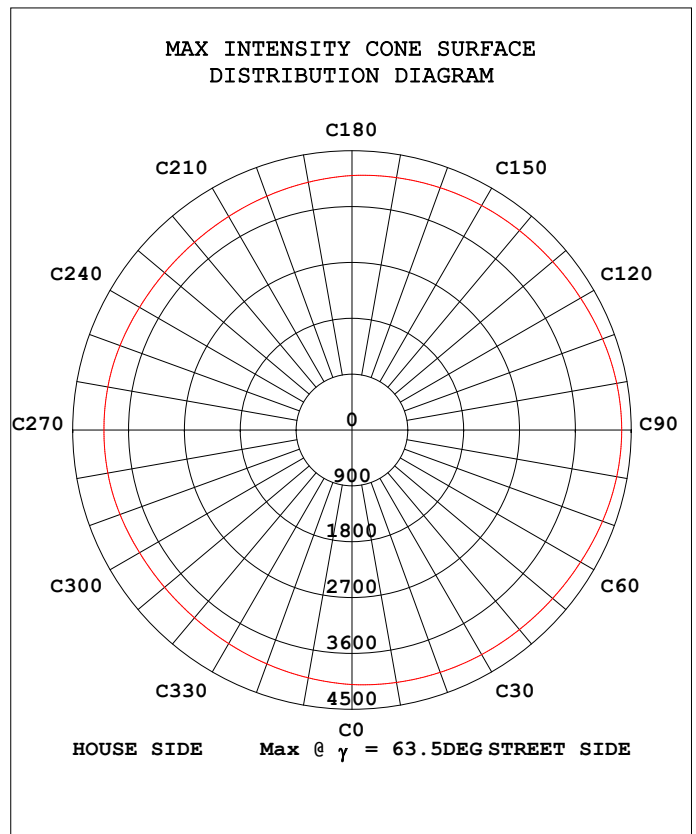
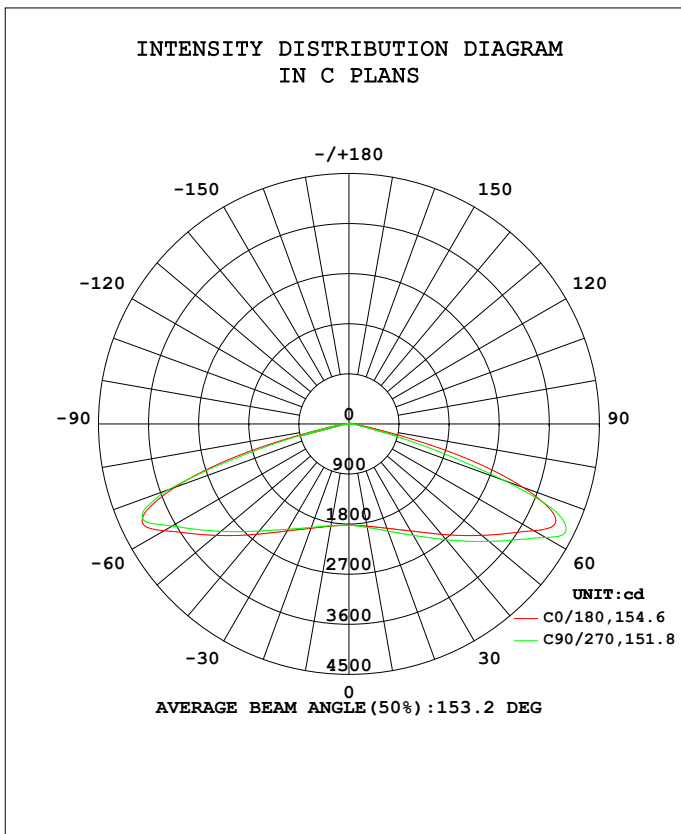


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.837A P:100.0W PF:0.995 Freq:50.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:14435.5x1 lm		
NAME: ST10-100-UD-3070-A21602	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

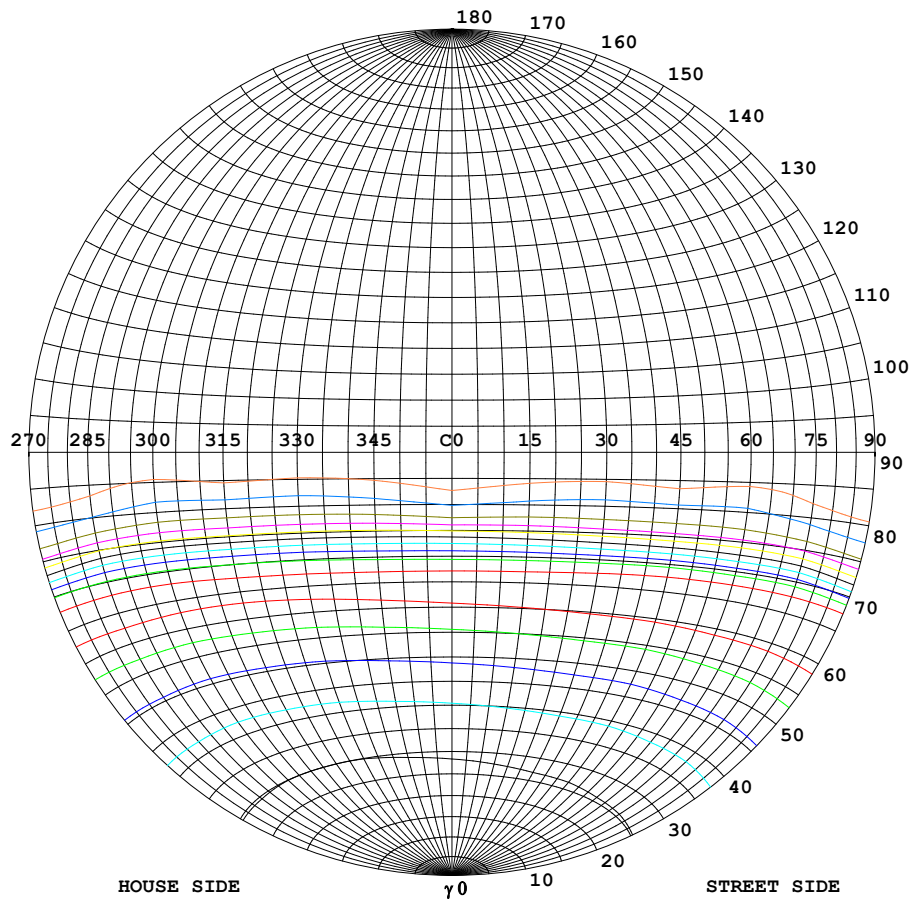
DATA OF LAMP		PHOTOMETRIC DATA Eff: 144.36 lm/W			
MODEL	/	I _{max} (cd)	4346	η street_up (%)	0.0
NOMINAL POWER (W)	/	LOR (%)	100.0	η street_down (%)	50.4
RATED VOLTAGE (V)	/	TOTAL FLUX (lm)	14436	η house_up (%)	0.0
NOMINAL FLUX (lm)	14435.5	MAXIMUM @ (C, γ)	90, 63.5	η house_down (%)	49.6
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	/	η down (%)	100.0	SLI	



C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: LYJ
 Test Date: 2022-05-04

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity: 65.0%
 Test Distance: 26.000m [K=0.0446]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM



Classification:

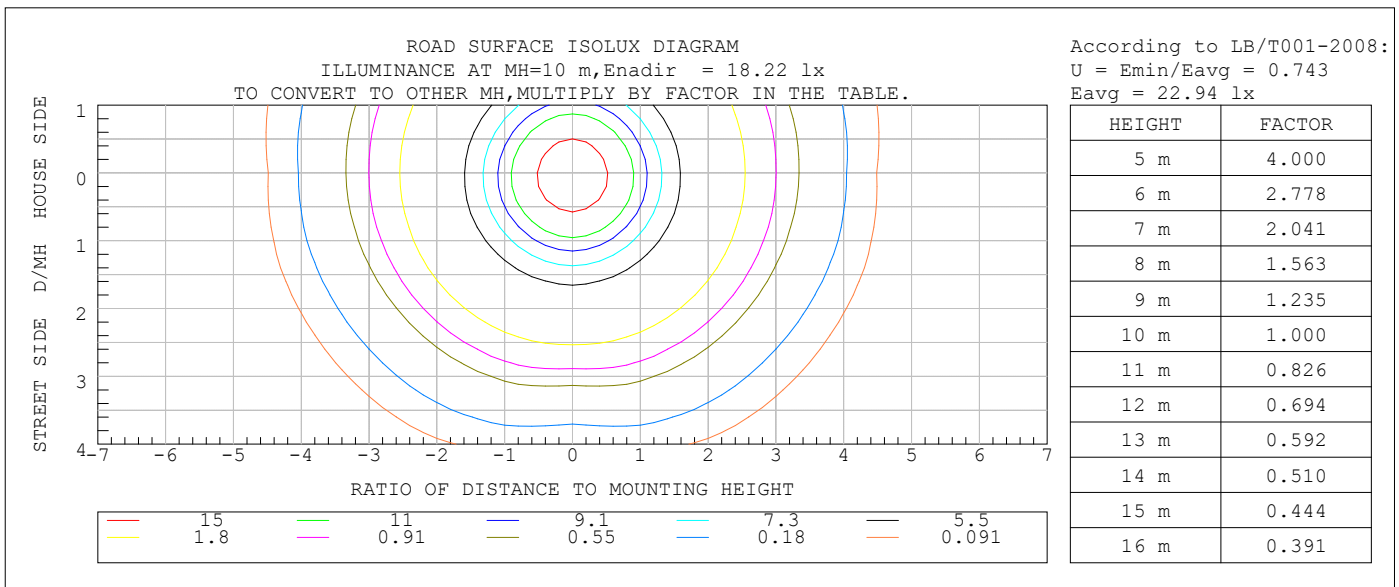
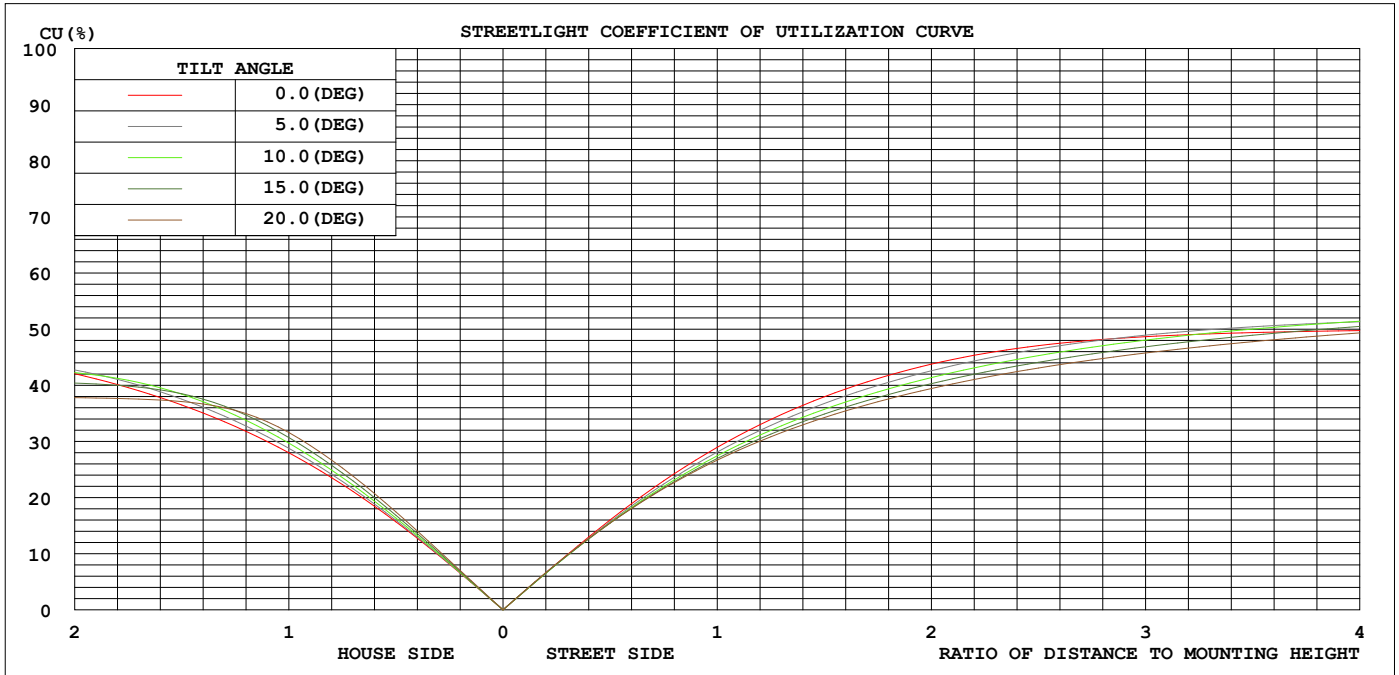
IES:Type V - Very Short
 CIE:Broad - Intermediate
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:42.85cd/klm
 Max.At90:0.4731cd/klm
 Max.80-90:42.85cd/klm
 NRB 5101:Semi limited[11.2%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	4346
90%	3912
80%	3477
70%	3042
60%	2608
50%	2173
40%	1738
30%	1304
20%	869
10%	435
5%	217

C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:LYJ
 Test Date:2022-05-04

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:26.000m [K=0.0446]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



According to LB/T001-2008:
 $U = E_{min}/E_{avg} = 0.743$
 $E_{avg} = 22.94 \text{ lx}$

C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: LYJ
 Test Date: 2022-05-04

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity: 65.0%
 Test Distance: 26.000m [K=0.0446]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

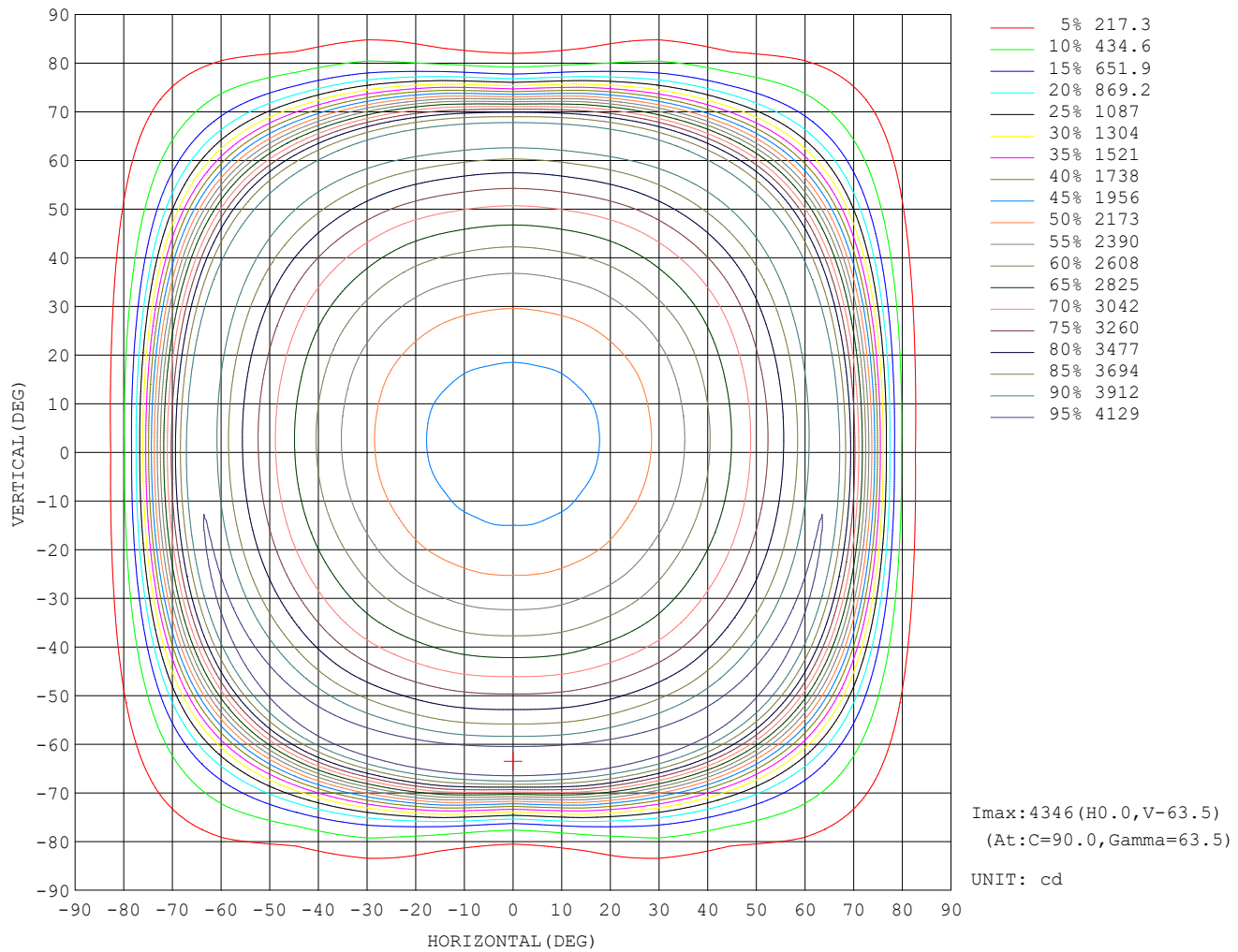
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1865	1878	1887	1878	1865	1855	1868	1855	0- 10	176.1	176.1	1.22,1.22
20	1995	2027	2049	2027	1995	1972	1978	1972	10- 20	548.5	724.6	5.02,5.02
30	2219	2272	2311	2272	2219	2174	2184	2174	20- 30	978.1	1703	11.8,11.8
40	2589	2656	2716	2656	2589	2508	2513	2508	30- 40	1511	3213	22.3,22.3
50	3115	3196	3283	3196	3115	3001	3002	3001	40- 50	2205	5418	37.5,37.5
60	3836	3969	4079	3969	3836	3693	3668	3693	50- 60	3103	8521	59,59
70	3324	3310	2953	3310	3324	3475	3444	3475	60- 70	3909	12430	86.1,86.1
80	414.3	494.4	242.8	494.4	414.3	601.4	337.2	601.4	70- 80	1800	14231	98.6,98.6
90	1.860	0.7468	0.6785	0.7468	1.860	3.764	0.9827	3.764	80- 90	204.7	14436	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:LYJ
 Test Date:2022-05-04

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:26.000m [K=0.0446]
 Remarks:

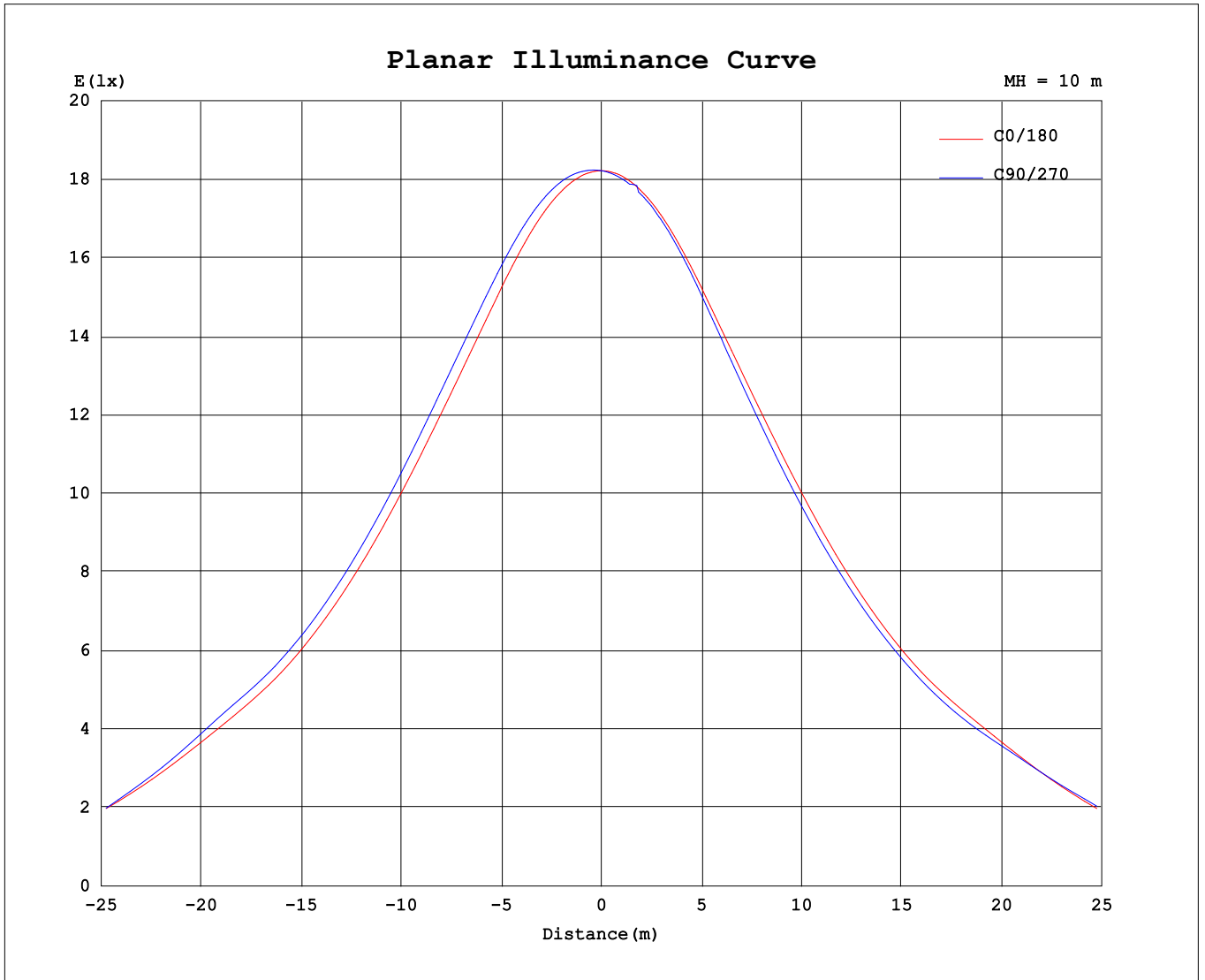
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: LYJ
 Test Date: 2022-05-04

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity: 65.0%
 Test Distance: 26.000m [K=0.0446]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: LYJ
Test Date: 2022-05-04

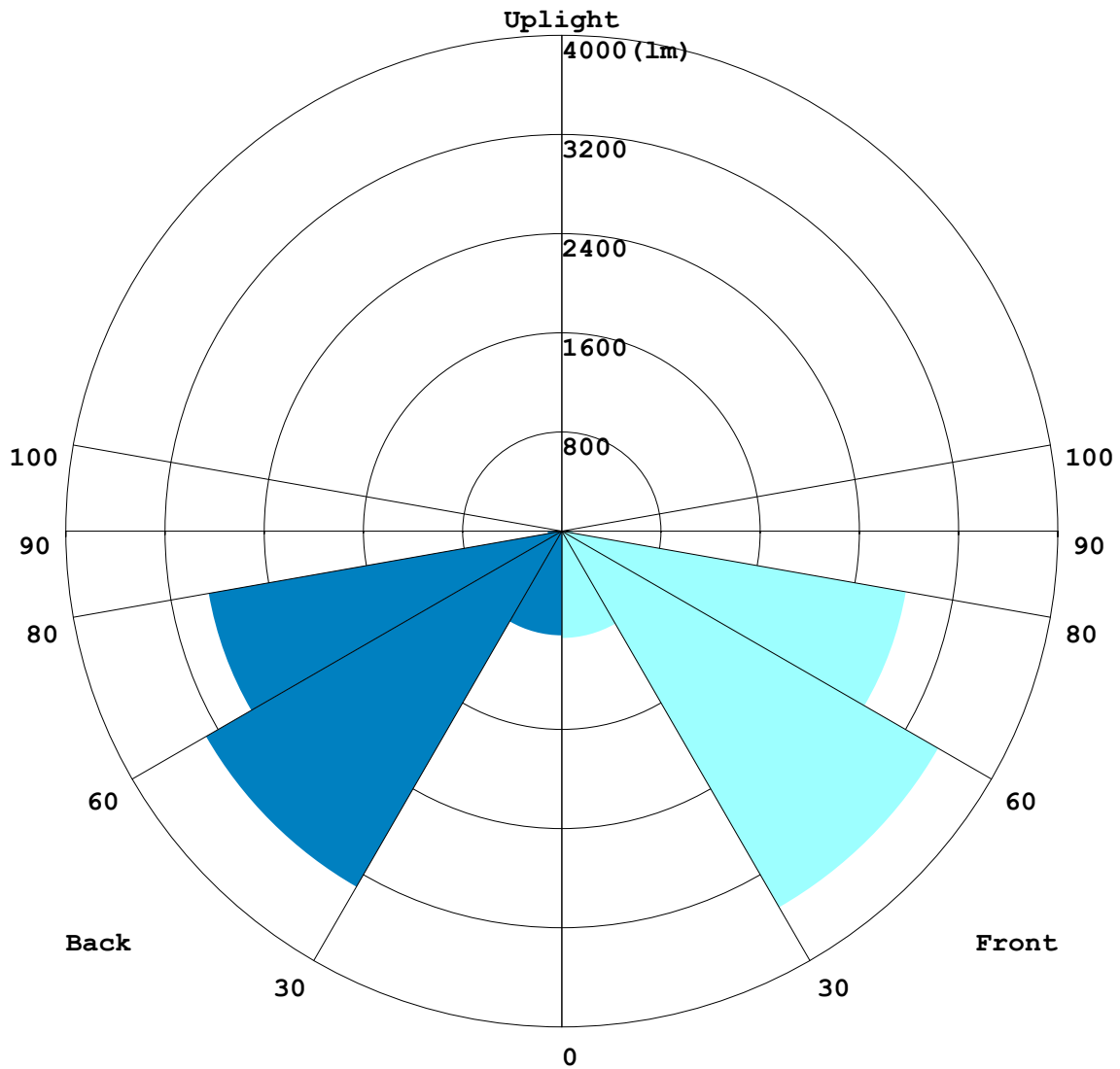
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 26.000m [K=0.0446]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LCS REPORT

Test:U:120.0V I:0.837A P:100.0W PF:0.995 Freq:50.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:14435.5x1 lm		
NAME: ST10-100-UD-3070-A21602	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:LYJ
 Test Date:2022-05-04

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:26.000m [K=0.0446]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

BUG REPORT

Test:U:120.0V I:0.837A P:100.0W PF:0.995 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:14435.5x1 lm		
NAME: ST10-100-UD-3070-A21602	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	862.17	6.0
FM - Front-Medium(30-60)	3504.8	24.3
FH - Front-High(60-80)	2818.1	19.5
FVH - Front-Very High(80-90)	90.818	0.6
Total Forward Light	7275.9	50.4

BL - Back-Low(0-30)	840.5	5.8
BM - Back-Medium(30-60)	3313.6	23.0
BH - Back-High(60-80)	2891.7	20.0
BVH - Back-Very High(80-90)	113.87	0.8
Total Back Light	7159.7	49.6

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B4-U0-G2
---------------------------	-----------------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7159.7	0	7159.7
Street Side	7275.9	0	7275.9

C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:LYJ
 Test Date:2022-05-04

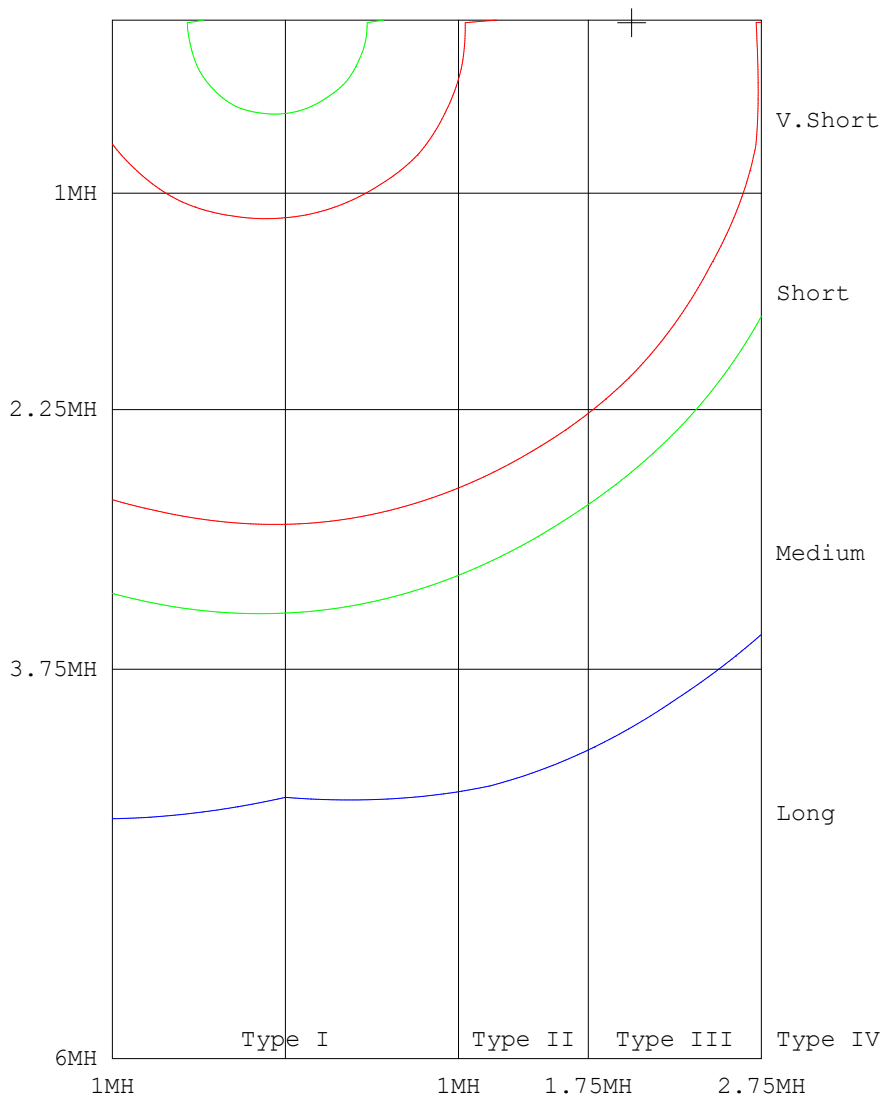
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:26.000m [K=0.0446]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ROAD ISOCANDELA REPORT

Test:U:120.0V I:0.837A P:100.0W PF:0.995 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:14435.5x1 lm		
NAME: ST10-100-UD-3070-A21602	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG Pavement 70% 3042.2 Road 50% 2173 γ Range: 860.21 - 90DEG 2.5% 108.65
 C Interval: 2.5DEG γ Interval: 0.5DEG
 Test Speed: HIGH Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Temperature: 25.3°C Humidity: 65.0%
 Operators: LYJ Test Distance: 26.000m [K=0.0446]
 Test Date: 2022-05-04 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

C (DEG)\ γ (DEG)	0	2.5	5	7.5	10	12.5	15	17.5	20	22.5	25	27.5	30	32.5	35	37.5	40	42.5	45
0	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822
5	1833	1833	1833	1834	1834	1834	1835	1835	1836	1836	1837	1837	1837	1838	1838	1838	1838	1838	1839
10	1865	1865	1866	1867	1868	1869	1870	1871	1872	1874	1875	1876	1877	1877	1877	1878	1878	1878	1878
15	1919	1920	1922	1923	1924	1926	1928	1929	1931	1933	1935	1937	1938	1939	1939	1940	1940	1941	1941
20	1995	1996	1998	2000	2002	2005	2007	2009	2012	2014	2017	2019	2021	2022	2023	2024	2025	2026	2027
25	2093	2096	2099	2101	2104	2107	2110	2113	2116	2119	2122	2125	2127	2129	2130	2132	2133	2134	2136
30	2219	2222	2226	2229	2233	2237	2241	2245	2249	2252	2256	2259	2262	2264	2266	2267	2268	2270	2272
35	2384	2388	2392	2396	2401	2405	2410	2414	2419	2423	2427	2431	2434	2436	2438	2439	2440	2442	2444
40	2589	2594	2599	2604	2609	2614	2620	2625	2629	2634	2638	2642	2645	2647	2649	2650	2652	2654	2656
45	2833	2839	2844	2850	2855	2861	2866	2872	2877	2883	2887	2892	2896	2898	2899	2900	2902	2903	2905
50	3115	3120	3126	3133	3139	3145	3151	3157	3163	3169	3174	3179	3184	3186	3188	3189	3191	3193	3196
55	3436	3443	3450	3457	3464	3471	3478	3486	3493	3501	3507	3514	3519	3522	3524	3526	3528	3530	3533
60	3836	3846	3855	3865	3874	3884	3893	3902	3911	3920	3928	3935	3942	3947	3951	3956	3960	3964	3969
65	4101	4107	4113	4118	4123	4128	4133	4139	4145	4151	4157	4164	4170	4177	4184	4191	4198	4204	4211
70	3324	3322	3320	3318	3314	3311	3307	3303	3300	3296	3294	3291	3290	3294	3299	3303	3307	3309	3310
75	1698	1692	1684	1675	1663	1650	1636	1621	1606	1590	1574	1558	1542	1529	1517	1505	1494	1483	1473
80	414	428	443	458	473	488	501	510	518	523	527	529	529	526	520	514	508	501	494
85	118	127	136	146	155	165	174	180	185	189	192	193	192	185	176	167	158	149	143
90	1.86	1.57	1.34	1.18	1.07	0.99	0.95	0.89	0.85	0.82	0.81	0.80	0.80	0.79	0.78	0.77	0.76	0.75	0.75

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LYJ
Test Date:2022-05-04

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:26.000m [K=0.0446]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: cd

C (DEG) \ γ (DEG)	47.5	50	52.5	55	57.5	60	62.5	65	67.5	70	72.5	75	77.5	80	82.5	85	87.5	90	92.5
0	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822
5	1839	1839	1840	1840	1840	1841	1841	1841	1841	1841	1841	1841	1841	1841	1841	1841	1842	1842	1842
10	1879	1880	1881	1883	1884	1884	1884	1884	1884	1884	1884	1884	1885	1885	1886	1886	1887	1887	1887
15	1943	1944	1946	1948	1949	1951	1951	1951	1951	1951	1951	1951	1952	1953	1954	1955	1955	1956	1955
20	2029	2031	2033	2035	2037	2039	2040	2041	2041	2041	2042	2042	2044	2045	2046	2047	2048	2049	2048
25	2138	2141	2144	2146	2149	2151	2153	2154	2155	2156	2157	2158	2160	2161	2163	2164	2165	2166	2165
30	2275	2278	2282	2285	2289	2292	2293	2295	2296	2297	2298	2299	2302	2304	2306	2308	2310	2311	2310
35	2448	2452	2456	2460	2465	2469	2471	2473	2474	2476	2477	2479	2482	2485	2487	2489	2491	2492	2491
40	2660	2665	2669	2674	2679	2684	2686	2689	2692	2694	2696	2698	2702	2706	2709	2712	2714	2716	2714
45	2910	2916	2921	2927	2933	2938	2942	2945	2948	2951	2953	2956	2961	2966	2970	2974	2977	2979	2977
50	3201	3207	3214	3220	3227	3233	3237	3241	3245	3249	3252	3256	3261	3267	3272	3277	3281	3283	3281
55	3540	3547	3554	3561	3569	3576	3581	3585	3589	3593	3597	3601	3607	3614	3620	3625	3629	3632	3629
60	3976	3984	3992	4000	4008	4015	4021	4027	4032	4037	4042	4047	4054	4061	4067	4073	4077	4079	4077
65	4217	4223	4228	4234	4240	4245	4252	4258	4265	4270	4276	4281	4284	4286	4288	4289	4289	4290	4289
70	3303	3294	3284	3273	3261	3250	3248	3246	3242	3236	3225	3210	3163	3112	3063	3018	2980	2953	2980
75	1466	1459	1451	1442	1432	1419	1400	1379	1354	1326	1294	1259	1200	1141	1084	1034	994	966	994
80	495	496	496	495	491	484	464	441	416	390	364	338	315	294	275	260	249	243	249
85	146	150	156	161	165	168	162	154	145	135	124	113	102	91.3	81.9	74.0	67.9	64.1	67.9
90	0.74	0.74	0.73	0.73	0.72	0.72	0.71	0.71	0.70	0.70	0.70	0.69	0.69	0.69	0.68	0.68	0.68	0.68	0.68

C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:LYJ
 Test Date:2022-05-04

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:26.000m [K=0.0446]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--3

UNIT: cd

C (DEG) γ (DEG)	95	97.5	100	102.5	105	107.5	110	112.5	115	117.5	120	122.5	125	127.5	130	132.5	135	137.5	140
0	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822
5	1841	1841	1841	1841	1841	1841	1841	1841	1841	1841	1841	1840	1840	1840	1839	1839	1839	1838	1838
10	1886	1886	1885	1885	1884	1884	1884	1884	1884	1884	1884	1884	1883	1881	1880	1879	1878	1878	1878
15	1955	1954	1953	1952	1951	1951	1951	1951	1951	1951	1951	1949	1948	1946	1944	1943	1941	1941	1940
20	2047	2046	2045	2044	2042	2042	2041	2041	2041	2040	2039	2037	2035	2033	2031	2029	2027	2026	2025
25	2164	2163	2161	2160	2158	2157	2156	2155	2154	2153	2151	2149	2146	2144	2141	2138	2136	2134	2133
30	2308	2306	2304	2302	2299	2298	2297	2296	2295	2293	2292	2289	2285	2282	2278	2275	2272	2270	2268
35	2489	2487	2485	2482	2479	2477	2476	2474	2473	2471	2469	2465	2460	2456	2452	2448	2444	2442	2440
40	2712	2709	2706	2702	2698	2696	2694	2692	2689	2686	2684	2679	2674	2669	2665	2660	2656	2654	2652
45	2974	2970	2966	2961	2956	2953	2951	2948	2945	2942	2938	2933	2927	2921	2916	2910	2905	2903	2902
50	3277	3272	3267	3261	3256	3252	3249	3245	3241	3237	3233	3227	3220	3214	3207	3201	3196	3193	3191
55	3625	3620	3614	3607	3601	3597	3593	3589	3585	3581	3576	3569	3561	3554	3547	3540	3533	3530	3528
60	4073	4067	4061	4054	4047	4042	4037	4032	4027	4021	4015	4008	4000	3992	3984	3976	3969	3964	3960
65	4289	4288	4286	4284	4281	4276	4270	4265	4258	4252	4245	4240	4234	4228	4223	4217	4211	4204	4198
70	3018	3063	3112	3163	3210	3225	3236	3242	3246	3248	3250	3261	3273	3284	3294	3303	3310	3309	3307
75	1034	1084	1141	1200	1259	1294	1326	1354	1379	1400	1419	1432	1442	1451	1459	1466	1473	1483	1494
80	260	275	294	315	338	364	390	416	441	464	484	491	495	496	496	495	494	501	508
85	74.0	81.9	91.3	102	113	124	135	145	154	162	168	165	161	156	150	146	143	149	158
90	0.68	0.68	0.69	0.69	0.69	0.70	0.70	0.70	0.71	0.71	0.72	0.72	0.73	0.73	0.74	0.74	0.75	0.75	0.76

C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:LYJ
 Test Date:2022-05-04

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:26.000m [K=0.0446]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--4

UNIT: cd

C (DEG) \ γ (DEG)	142.5	145	147.5	150	152.5	155	157.5	160	162.5	165	167.5	170	172.5	175	177.5	180	182.5	185	187.5
0	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822
5	1838	1838	1838	1837	1837	1837	1836	1836	1835	1835	1834	1834	1834	1833	1833	1833	1832	1832	1831
10	1878	1877	1877	1877	1876	1875	1874	1872	1871	1870	1869	1868	1867	1866	1865	1865	1864	1863	1863
15	1940	1939	1939	1938	1937	1935	1933	1931	1929	1928	1926	1924	1923	1922	1920	1919	1918	1916	1915
20	2024	2023	2022	2021	2019	2017	2014	2012	2009	2007	2005	2002	2000	1998	1996	1995	1993	1991	1989
25	2132	2130	2129	2127	2125	2122	2119	2116	2113	2110	2107	2104	2101	2099	2096	2093	2090	2087	2084
30	2267	2266	2264	2262	2259	2256	2252	2249	2245	2241	2237	2233	2229	2226	2222	2219	2215	2212	2208
35	2439	2438	2436	2434	2431	2427	2423	2419	2414	2410	2405	2401	2396	2392	2388	2384	2379	2374	2370
40	2650	2649	2647	2645	2642	2638	2634	2629	2625	2620	2614	2609	2604	2599	2594	2589	2583	2577	2572
45	2900	2899	2898	2896	2892	2887	2883	2877	2872	2866	2861	2855	2850	2844	2839	2833	2827	2821	2814
50	3189	3188	3186	3184	3179	3174	3169	3163	3157	3151	3145	3139	3133	3126	3120	3115	3107	3100	3092
55	3526	3524	3522	3519	3514	3507	3501	3493	3486	3478	3471	3464	3457	3450	3443	3436	3428	3420	3412
60	3956	3951	3947	3942	3935	3928	3920	3911	3902	3893	3884	3874	3865	3855	3846	3836	3825	3814	3804
65	4191	4184	4177	4170	4164	4157	4151	4145	4139	4133	4128	4123	4118	4113	4107	4101	4094	4086	4079
70	3303	3299	3294	3290	3291	3294	3296	3300	3303	3307	3311	3314	3318	3320	3322	3324	3328	3333	3339
75	1505	1517	1529	1542	1558	1574	1590	1606	1621	1636	1650	1663	1675	1684	1692	1698	1719	1736	1752
80	514	520	526	529	529	527	523	518	510	501	488	473	458	443	428	414	439	465	490
85	167	176	185	192	193	192	189	185	180	174	165	155	146	136	127	118	132	146	161
90	0.77	0.78	0.79	0.80	0.80	0.81	0.82	0.85	0.89	0.95	0.99	1.07	1.18	1.34	1.57	1.86	2.49	3.17	3.87

C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: LYJ
 Test Date: 2022-05-04

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity: 65.0%
 Test Distance: 26.000m [K=0.0446]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--5

UNIT: cd

γ (DEG) \ C (DEG)	190	192.5	195	197.5	200	202.5	205	207.5	210	212.5	215	217.5	220	222.5	225	227.5	230	232.5	235
0	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822
5	1831	1831	1830	1830	1830	1829	1829	1828	1828	1828	1828	1828	1828	1828	1828	1827	1827	1827	1827
10	1862	1861	1861	1860	1859	1858	1857	1856	1856	1856	1855	1855	1855	1855	1855	1855	1855	1854	1854
15	1914	1913	1912	1910	1908	1907	1905	1904	1903	1903	1903	1903	1903	1904	1904	1904	1904	1904	1903
20	1987	1985	1983	1980	1978	1976	1974	1972	1971	1970	1970	1971	1971	1972	1972	1972	1972	1972	1972
25	2082	2079	2077	2073	2070	2068	2065	2063	2061	2060	2059	2059	2059	2060	2060	2060	2060	2060	2060
30	2205	2202	2199	2194	2190	2186	2182	2179	2176	2175	2174	2173	2173	2173	2174	2173	2173	2173	2173
35	2366	2361	2357	2352	2346	2341	2336	2332	2328	2326	2324	2323	2323	2322	2322	2321	2320	2319	2319
40	2567	2561	2556	2549	2542	2535	2529	2523	2518	2515	2513	2511	2510	2509	2508	2507	2505	2504	2503
45	2808	2801	2795	2786	2778	2770	2762	2755	2748	2744	2741	2739	2737	2735	2734	2732	2730	2728	2727
50	3085	3078	3070	3061	3052	3043	3034	3026	3019	3014	3010	3007	3005	3002	3001	2998	2995	2992	2990
55	3404	3396	3388	3377	3367	3357	3347	3338	3330	3325	3321	3318	3315	3313	3311	3308	3305	3302	3300
60	3793	3783	3773	3762	3752	3742	3732	3723	3715	3710	3705	3701	3698	3695	3693	3689	3685	3681	3678
65	4071	4064	4057	4050	4044	4038	4032	4027	4022	4017	4013	4009	4005	4003	4002	4003	4006	4009	4013
70	3345	3352	3360	3372	3386	3400	3413	3427	3439	3446	3453	3458	3464	3469	3475	3485	3495	3505	3514
75	1765	1776	1786	1794	1801	1806	1810	1812	1813	1811	1808	1804	1801	1797	1795	1800	1806	1811	1815
80	515	539	560	576	589	600	608	614	619	619	617	614	610	606	601	604	606	607	606
85	175	189	201	210	218	224	229	232	233	227	220	212	205	199	195	203	213	223	233
90	4.56	5.23	5.83	6.22	6.51	6.72	6.82	6.83	6.73	6.37	5.92	5.41	4.87	4.31	3.76	3.41	3.08	2.79	2.52

C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: LYJ
 Test Date: 2022-05-04

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity: 65.0%
 Test Distance: 26.000m [K=0.0446]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--6

UNIT: cd

γ (DEG) \ C (DEG)	237.5	240	242.5	245	247.5	250	252.5	255	257.5	260	262.5	265	267.5	270	272.5	275	277.5	280	282.5
0	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822
5	1827	1827	1827	1827	1827	1827	1827	1827	1827	1827	1827	1826	1826	1826	1826	1826	1827	1827	1827
10	1854	1854	1854	1854	1854	1855	1855	1856	1858	1861	1863	1865	1866	1868	1866	1865	1863	1861	1858
15	1903	1903	1904	1905	1906	1907	1908	1909	1909	1909	1908	1908	1907	1907	1907	1908	1908	1909	1909
20	1972	1972	1973	1975	1976	1978	1979	1980	1980	1980	1980	1979	1979	1978	1979	1979	1980	1980	1980
25	2060	2061	2062	2064	2066	2068	2069	2071	2071	2071	2071	2071	2071	2070	2071	2071	2071	2071	2071
30	2174	2174	2176	2178	2179	2181	2183	2184	2184	2185	2185	2184	2184	2184	2184	2184	2185	2185	2184
35	2319	2319	2321	2323	2325	2328	2330	2332	2332	2332	2331	2330	2330	2329	2330	2330	2331	2332	2332
40	2503	2503	2504	2507	2509	2511	2514	2516	2516	2516	2515	2515	2514	2513	2514	2515	2515	2516	2516
45	2726	2726	2728	2730	2733	2735	2738	2740	2740	2740	2739	2739	2738	2737	2738	2739	2739	2740	2740
50	2989	2988	2990	2993	2996	2999	3003	3005	3005	3005	3005	3004	3003	3002	3003	3004	3005	3005	3005
55	3299	3298	3300	3303	3306	3309	3312	3315	3315	3314	3312	3311	3309	3308	3309	3311	3312	3314	3315
60	3676	3674	3676	3677	3680	3682	3684	3685	3682	3679	3676	3673	3670	3668	3670	3673	3676	3679	3682
65	4018	4024	4031	4038	4045	4052	4058	4064	4068	4070	4073	4074	4075	4075	4075	4074	4073	4070	4068
70	3522	3529	3530	3529	3527	3523	3517	3510	3498	3485	3472	3460	3451	3444	3451	3460	3472	3485	3498
75	1817	1816	1808	1796	1780	1760	1735	1706	1650	1594	1539	1490	1450	1422	1450	1490	1539	1594	1650
80	602	595	576	553	528	501	474	447	421	397	376	358	345	337	345	358	376	397	421
85	240	245	235	222	207	190	173	156	144	134	125	118	113	110	113	118	125	134	144
90	2.28	2.06	1.85	1.66	1.49	1.35	1.22	1.12	1.05	1.01	0.98	0.97	0.97	0.98	0.97	0.97	0.98	1.01	1.05

C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: LYJ
 Test Date: 2022-05-04

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity: 65.0%
 Test Distance: 26.000m [K=0.0446]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--7

UNIT: cd

γ (DEG) \ C (DEG)	285	287.5	290	292.5	295	297.5	300	302.5	305	307.5	310	312.5	315	317.5	320	322.5	325	327.5	330
0	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822
5	1827	1827	1827	1827	1827	1827	1827	1827	1827	1827	1827	1827	1828	1828	1828	1828	1828	1828	1828
10	1856	1855	1855	1854	1854	1854	1854	1854	1854	1854	1855	1855	1855	1855	1855	1855	1855	1856	1856
15	1909	1908	1907	1906	1905	1904	1903	1903	1903	1904	1904	1904	1904	1904	1903	1903	1903	1903	1903
20	1980	1979	1978	1976	1975	1973	1972	1972	1972	1972	1972	1972	1972	1972	1971	1971	1970	1970	1971
25	2071	2069	2068	2066	2064	2062	2061	2060	2060	2060	2060	2060	2060	2060	2059	2059	2059	2060	2061
30	2184	2183	2181	2179	2178	2176	2174	2174	2173	2173	2173	2173	2174	2173	2173	2173	2174	2175	2176
35	2332	2330	2328	2325	2323	2321	2319	2319	2319	2319	2320	2321	2322	2322	2323	2323	2324	2326	2328
40	2516	2514	2511	2509	2507	2504	2503	2503	2503	2504	2505	2507	2508	2509	2510	2511	2513	2515	2518
45	2740	2738	2735	2733	2730	2728	2726	2726	2727	2728	2730	2732	2734	2735	2737	2739	2741	2744	2748
50	3005	3003	2999	2996	2993	2990	2988	2989	2990	2992	2995	2998	3001	3002	3005	3007	3010	3014	3019
55	3315	3312	3309	3306	3303	3300	3298	3299	3300	3302	3305	3308	3311	3313	3315	3318	3321	3325	3330
60	3685	3684	3682	3680	3677	3676	3674	3676	3678	3681	3685	3689	3693	3695	3698	3701	3705	3710	3715
65	4064	4058	4052	4045	4038	4031	4024	4018	4013	4009	4006	4003	4002	4003	4005	4009	4013	4017	4022
70	3510	3517	3523	3527	3529	3530	3529	3522	3514	3505	3495	3485	3475	3469	3464	3458	3453	3446	3439
75	1706	1735	1760	1780	1796	1808	1816	1817	1815	1811	1806	1800	1795	1797	1801	1804	1808	1811	1813
80	447	474	501	528	553	576	595	602	606	607	606	604	601	606	610	614	617	619	619
85	156	173	190	207	222	235	245	240	233	223	213	203	195	199	205	212	220	227	233
90	1.12	1.22	1.35	1.49	1.66	1.85	2.06	2.28	2.52	2.79	3.08	3.41	3.76	4.31	4.87	5.41	5.92	6.37	6.73

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:LYJ
Test Date:2022-05-04

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:26.000m [K=0.0446]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--8

UNIT: cd

C (DEG) \ γ (DEG)	332.5	335	337.5	340	342.5	345	347.5	350	352.5	355	357.5								
0	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822	1822								
5	1828	1829	1829	1830	1830	1830	1831	1831	1831	1832	1832								
10	1856	1857	1858	1859	1860	1861	1861	1862	1863	1863	1864								
15	1904	1905	1907	1908	1910	1912	1913	1914	1915	1916	1918								
20	1972	1974	1976	1978	1980	1983	1985	1987	1989	1991	1993								
25	2063	2065	2068	2070	2073	2077	2079	2082	2084	2087	2090								
30	2179	2182	2186	2190	2194	2199	2202	2205	2208	2212	2215								
35	2332	2336	2341	2346	2352	2357	2361	2366	2370	2374	2379								
40	2523	2529	2535	2542	2549	2556	2561	2567	2572	2577	2583								
45	2755	2762	2770	2778	2786	2795	2801	2808	2814	2821	2827								
50	3026	3034	3043	3052	3061	3070	3078	3085	3092	3100	3107								
55	3338	3347	3357	3367	3377	3388	3396	3404	3412	3420	3428								
60	3723	3732	3742	3752	3762	3773	3783	3793	3804	3814	3825								
65	4027	4032	4038	4044	4050	4057	4064	4071	4079	4086	4094								
70	3427	3413	3400	3386	3372	3360	3352	3345	3339	3333	3328								
75	1812	1810	1806	1801	1794	1786	1776	1765	1752	1736	1719								
80	614	608	600	589	576	560	539	515	490	465	439								
85	232	229	224	218	210	201	189	175	161	146	132								
90	6.83	6.82	6.72	6.51	6.22	5.83	5.23	4.56	3.87	3.17	2.49								

C Range: 0 - 360DEG γ Range: 0 - 90DEG
 C Interval: 2.5DEG γ Interval: 0.5DEG
 Test Speed: HIGH Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Temperature:25.3°C Humidity:65.0%
 Operators:LYJ Test Distance:26.000m [K=0.0446]
 Test Date:2022-05-04 Remarks: