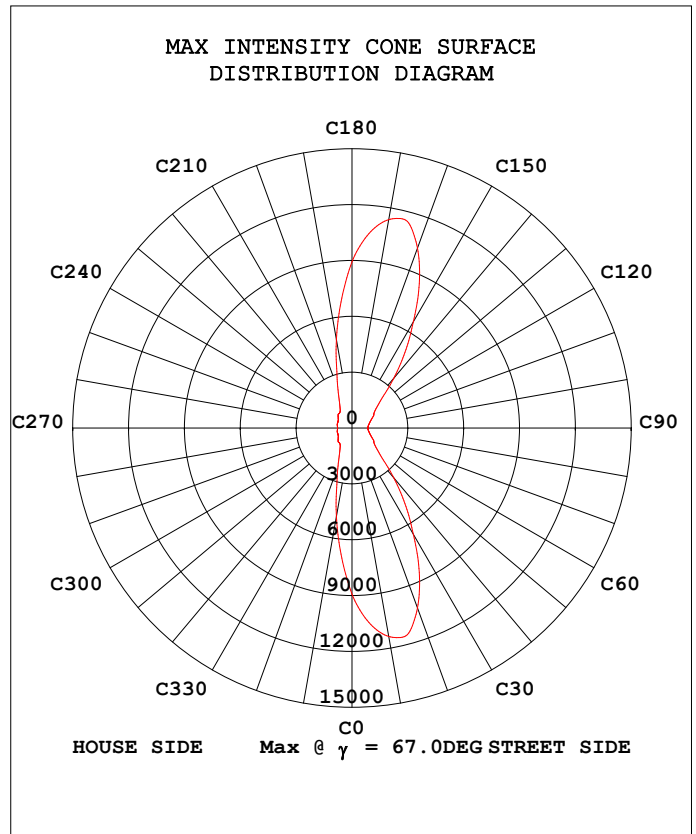
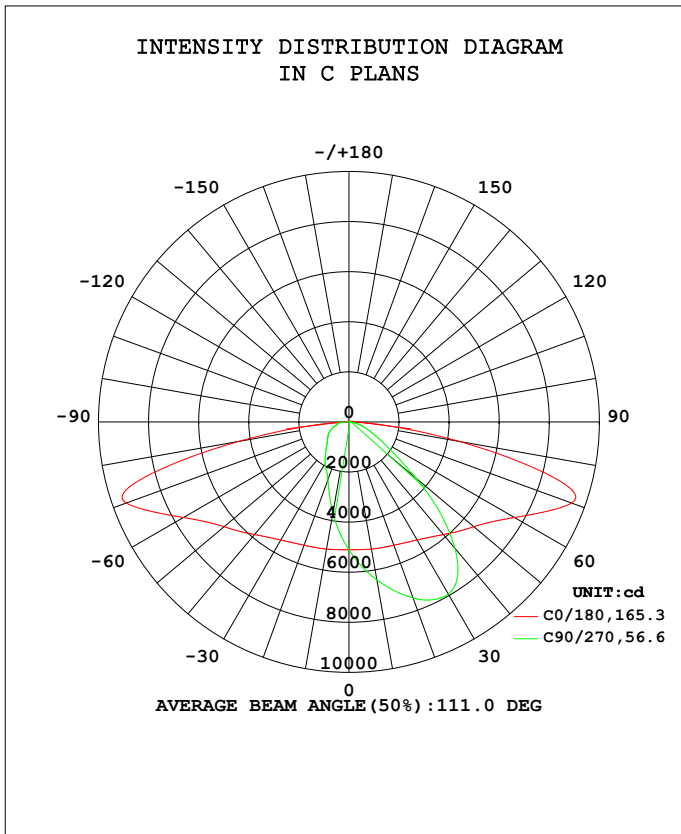


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.0V I:1.253A P:150.0W PF:0.998 Freq:50.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:21786.1x1 lm		
NAME: ST10-150-UD-3070-A21603	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

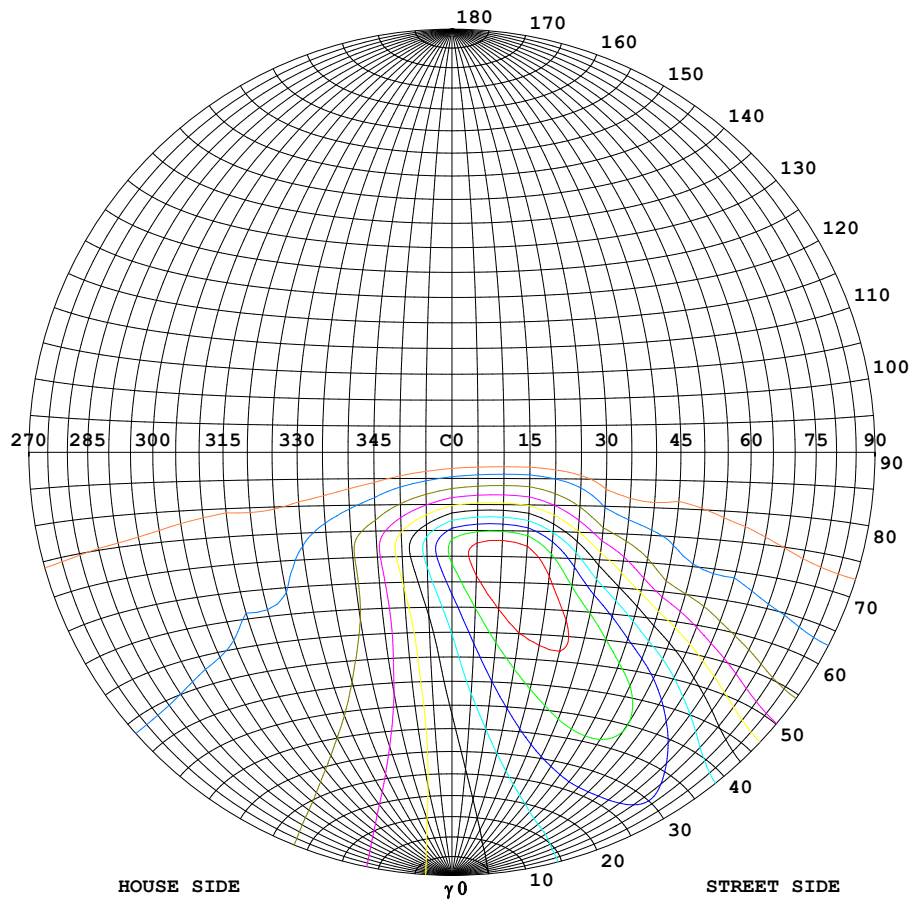
DATA OF LAMP		PHOTOMETRIC DATA Eff: 145.24 lm/W			
MODEL	/	I <sub>max</sub> (cd)	11529	η street_up (%)	0.0
NOMINAL POWER (W)	/	LOR (%)	100.0	η street_down (%)	72.5
RATED VOLTAGE (V)	/	TOTAL FLUX (lm)	21786	η house_up (%)	0.0
NOMINAL FLUX (lm)	21786.1	MAXIMUM @ (C, γ )	168,67.0	η house_down (%)	27.5
LAMPS 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:**

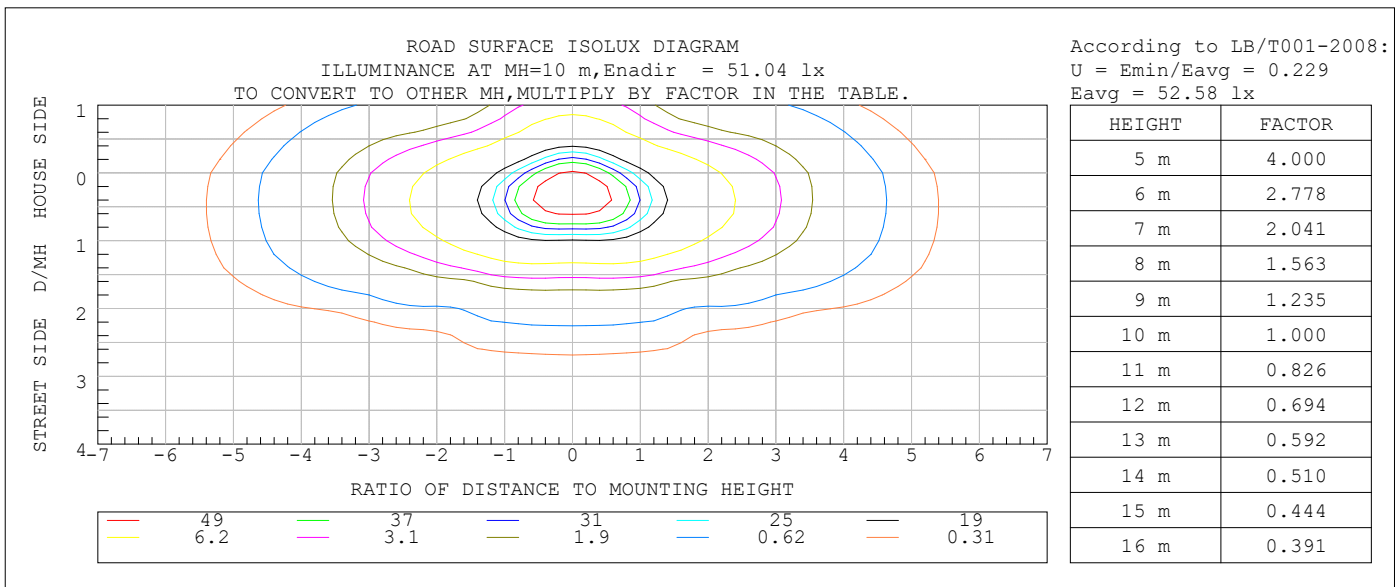
IES:Type II - Medium  
 CIE:Narrow - Intermediate  
 IES:None cut-off  
 CIE:Non-cut-off  
 Max.At80:224.2cd/klm  
 Max.At90:0.6307cd/klm  
 Max.80-90:224.2cd/klm  
 NRB 5101:Semi limited[18.8%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	11529
90%	10376
80%	9223
70%	8070
60%	6917
50%	5765
40%	4612
30%	3459
20%	2306
10%	1153
5%	576

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



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

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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

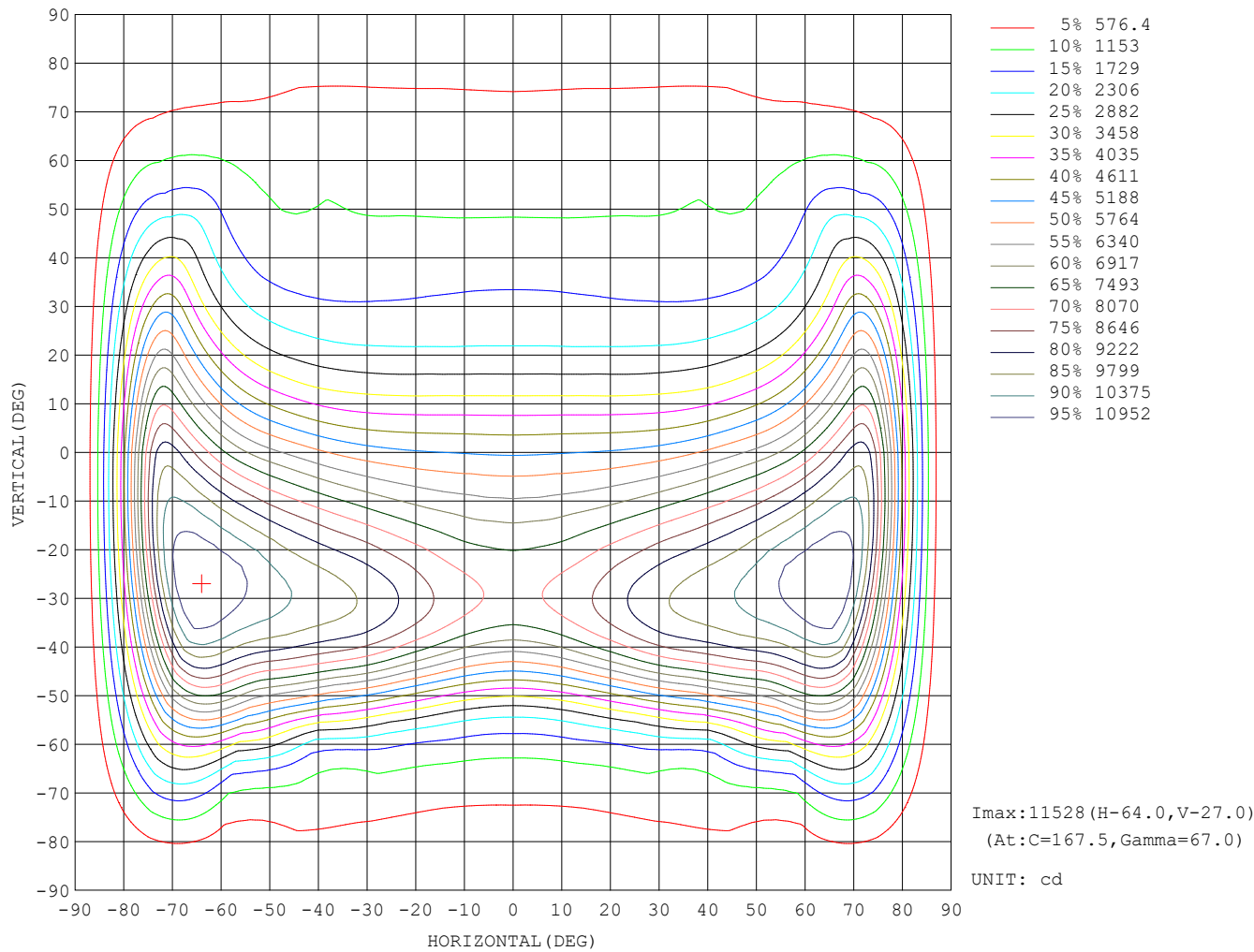
ZONAL FLUX DIAGRAM

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	515.4	610.2	640.1	610.2	515.4	411.3	368.7	411.3	0- 10	487.4	487.4	2.24,2.24
20	523.9	721.1	747.7	721.1	523.9	308.4	246.1	308.4	10- 20	1447	1934	8.88,8.88
30	544.1	851.1	793.5	851.1	544.1	226.6	190.3	226.6	20- 30	2407	4342	19.9,19.9
40	586.9	951.1	657.5	951.1	586.9	175.0	142.3	175.0	30- 40	3333	7675	35.2,35.2
50	651.1	871.3	350.1	871.3	651.1	139.3	111.8	139.3	40- 50	3887	11562	53.1,53.1
60	763.1	520.8	143.8	520.8	763.1	117.1	94.24	117.1	50- 60	3827	15389	70.6,70.6
70	945.9	158.8	69.83	158.8	945.9	100.4	68.87	100.4	60- 70	3424	18813	86.4,86.4
80	445.2	68.74	24.51	68.74	445.2	53.10	47.72	53.10	70- 80	2408	21221	97.4,97.4
90	1.374	0.0615	0.0371	0.0615	1.374	0.5333	0.1299	0.5333	80- 90	565.4	21786	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:X10cd									UNIT:lm		

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

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:26.000m [K=0.0446]  
 Remarks:

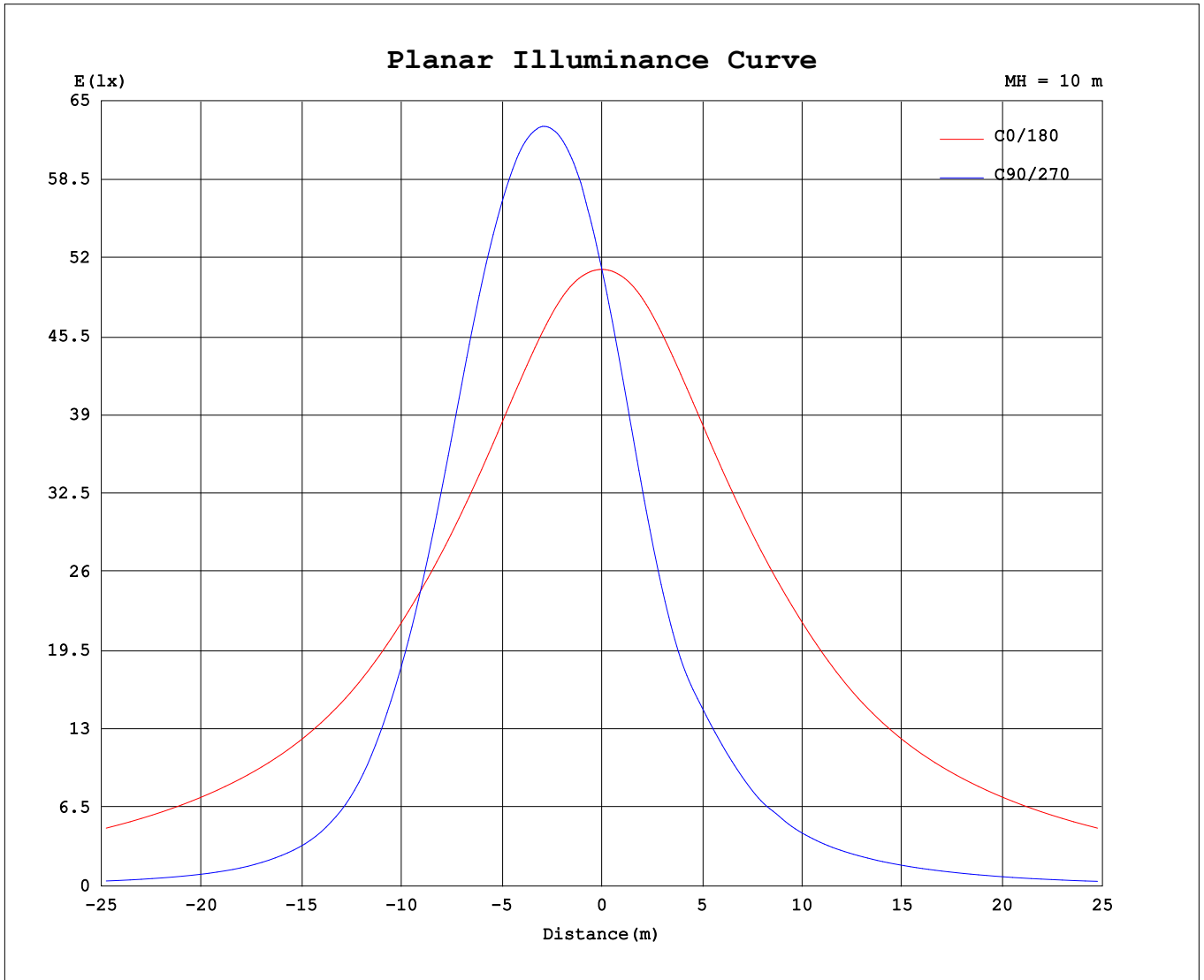
ISOCANDELA DIAGRAM



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

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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

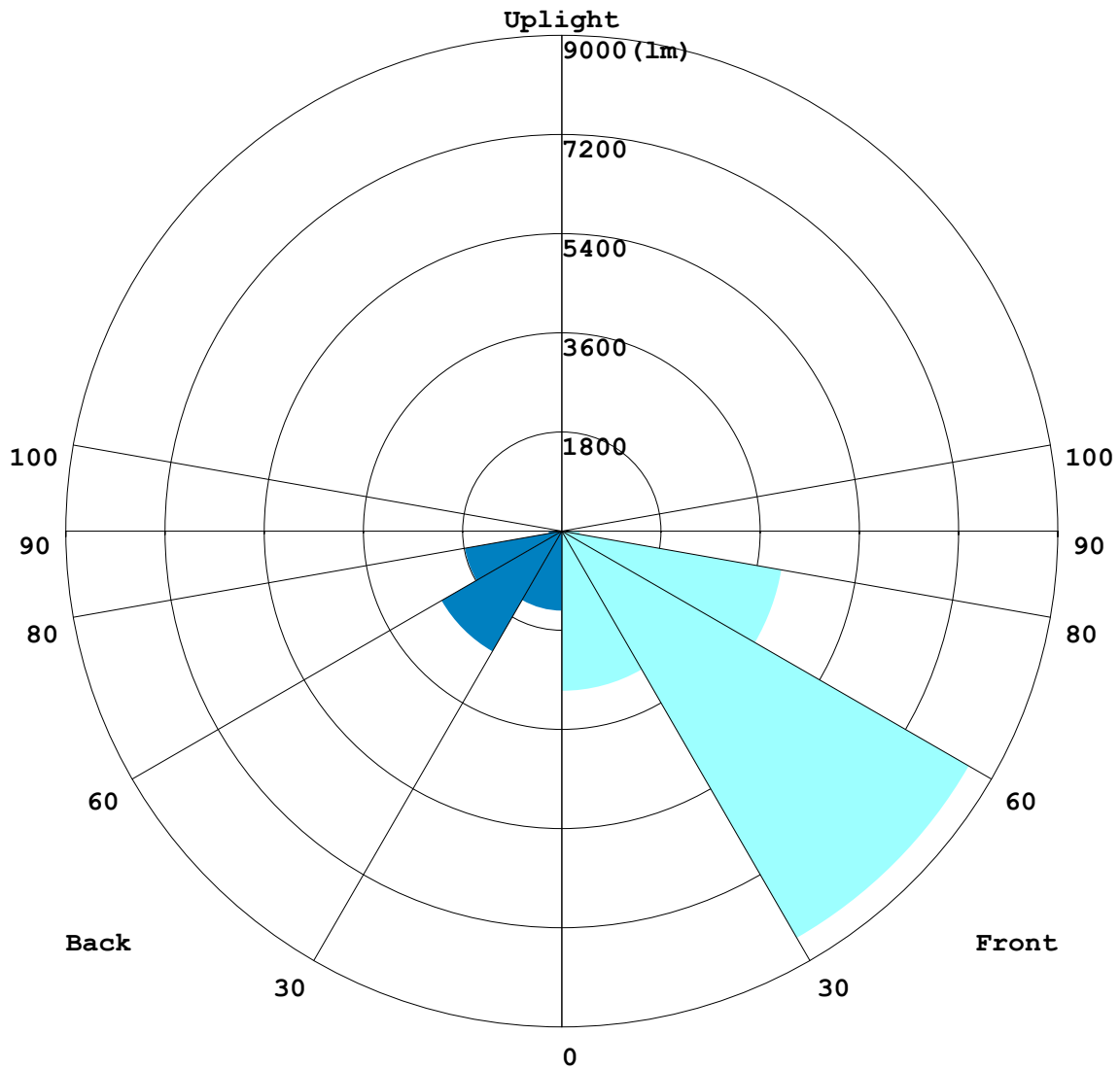
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.446  
Humidity: 65.0%  
Test Distance: 26.000m [K=0.0446]  
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LCS REPORT

Test:U:120.0V I:1.253A P:150.0W PF:0.998 Freq:50.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:21786.1x1 lm		
NAME: ST10-150-UD-3070-A21603	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

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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

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**BUG REPORT**

Test:U:120.0V I:1.253A P:150.0W PF:0.998 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0      Lamp Flux:21786.1x1 lm		
NAME: ST10-150-UD-3070-A21603	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

**IESNA Luminaire Flux Distribution Table:**

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2898.8	13.3
FM - Front-Medium(30-60)	8527	39.1
FH - Front-High(60-80)	4045.4	18.6
FVH - Front-Very High(80-90)	328.1	1.5
<b>Total Forward Light</b>	<b>15799</b>	<b>72.5</b>

BL - Back-Low(0-30)	1443.1	6.6
BM - Back-Medium(30-60)	2519.9	11.6
BH - Back-High(60-80)	1786.5	8.2
BVH - Back-Very High(80-90)	237.26	1.1
<b>Total Back Light</b>	<b>5986.8</b>	<b>27.5</b>

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

BUG(Back,Up,Glare) Rating	B3-U0-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5986.8	0	5986.8
Street Side	15799	0	15799

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:

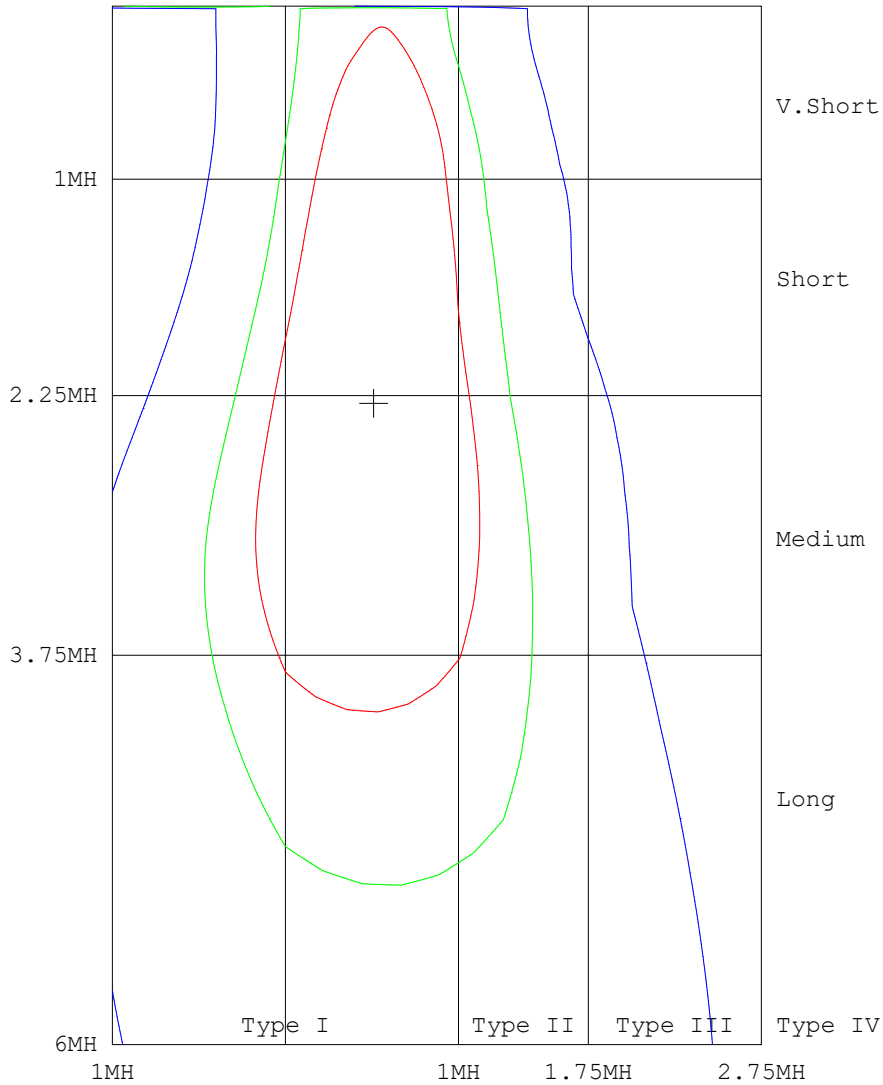


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ROAD ISOCANDELA REPORT

Test:U:120.0V I:1.253A P:150.0W PF:0.998 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:21786.1x1 lm		
NAME: ST10-150-UD-3070-A21603	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG	— Pavement	70.1	Road	2305.7	90DEG	2.5%	288.22
C Interval: 2.5DEG	— 50%	57.6	— 5%	578.43	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

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**LUMINOUS DISTRIBUTION INTENSITY DATA**

Table--1

UNIT: X10cd

$\gamma$ (DEG) \ C (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	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510
5	512	515	518	521	524	527	530	532	535	538	541	543	546	548	551	553	555	557	559	559
10	515	522	528	534	540	546	552	558	564	569	575	581	586	590	595	599	603	607	610	610
15	519	529	539	549	558	567	577	585	594	602	610	618	626	633	640	646	652	658	663	663
20	524	538	552	566	580	594	607	619	631	643	654	665	675	684	693	701	708	715	721	721
25	532	552	571	590	609	627	645	662	678	693	708	721	734	745	755	764	772	779	785	785
30	544	570	596	621	646	669	692	714	734	753	771	787	801	814	824	834	841	847	851	851
35	562	596	628	660	691	720	748	775	799	821	841	859	875	887	896	903	908	911	911	911
40	587	629	669	707	744	779	811	840	867	890	910	927	941	951	958	961	961	958	951	951
45	618	669	717	763	806	845	881	911	936	958	974	987	995	997	995	989	979	964	946	946
50	651	713	772	826	874	918	955	982	1002	1016	1024	1026	1021	1008	990	967	939	907	871	871
55	696	772	841	903	956	1001	1036	1053	1060	1058	1048	1029	1003	967	925	879	829	777	723	723
60	763	849	925	990	1043	1083	1109	1105	1087	1058	1019	971	916	855	790	723	654	586	521	521
65	853	943	1017	1077	1119	1145	1151	1114	1060	993	916	832	744	664	585	508	435	366	305	305
70	946	1018	1074	1111	1130	1129	1109	1037	949	850	743	634	526	447	375	310	251	201	159	159
75	835	878	905	917	913	893	856	773	679	577	472	370	275	225	185	154	131	114	103	103
80	445	468	483	488	485	473	451	400	343	282	221	163	109	89.5	76.6	69.3	66.5	66.7	68.7	68.7
85	129	140	148	153	155	154	149	133	114	93.3	72.6	52.6	34.4	28.2	24.5	22.8	22.6	23.5	24.9	24.9
90	1.37	1.24	1.07	0.87	0.67	0.46	0.27	0.20	0.15	0.12	0.10	0.10	0.10	0.09	0.08	0.07	0.07	0.06	0.06	0.06

C Range: 0 - 360DEG	$\gamma$ Range: 0 - 90DEG
C Interval: 2.5DEG	$\gamma$ 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

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LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: X10cd

γ (DEG) \ C (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	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510
5	561	563	565	567	568	570	571	572	573	574	575	576	576	577	577	578	578	578	578
10	614	617	619	622	625	627	629	631	633	635	637	638	639	639	640	640	640	640	640
15	667	671	674	678	680	683	686	688	690	692	694	696	696	697	697	697	697	697	697
20	726	730	733	735	738	740	742	744	745	746	747	748	749	749	748	748	748	748	748
25	789	791	793	795	795	795	795	795	794	793	792	791	789	788	786	785	784	784	784
30	853	852	851	849	845	841	837	832	827	822	817	812	808	803	800	797	795	794	795
35	908	903	896	887	877	866	854	842	829	817	805	793	783	775	767	761	757	755	757
40	939	924	906	887	866	844	821	799	776	755	734	715	699	686	675	666	660	657	660
45	920	890	859	826	792	757	725	694	663	635	608	584	565	548	535	526	519	517	519
50	831	788	745	700	656	613	575	539	505	474	446	420	400	382	369	359	353	350	353
55	672	621	571	522	476	433	397	364	334	308	285	265	250	238	229	223	219	219	219
60	468	419	374	334	297	266	241	221	204	190	179	171	162	155	150	146	144	144	144
65	266	234	208	188	173	161	148	138	129	122	117	113	108	104	102	100	99.1	99.0	99.1
70	136	121	111	107	106	106	99.9	94.2	89.0	84.5	80.6	77.3	74.7	72.7	71.3	70.3	69.9	69.8	69.9
75	91.4	83.5	78.3	75.2	73.6	72.8	68.4	64.3	60.4	56.9	53.8	51.1	49.2	47.8	46.8	46.2	45.9	46.0	45.9
80	63.8	59.3	55.2	51.5	48.1	44.9	41.6	38.5	35.7	33.1	30.8	28.8	27.4	26.2	25.4	24.8	24.5	24.5	24.5
85	24.0	23.1	22.3	21.5	20.6	19.7	18.1	16.4	14.7	13.0	11.4	9.96	9.09	8.42	7.92	7.60	7.43	7.42	7.43
90	0.06	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04

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: X10cd

C (DEG) \ $\gamma$ (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	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510
5	578	577	577	576	576	575	574	573	572	571	570	568	567	565	563	561	559	557	555
10	640	640	639	639	638	637	635	633	631	629	627	625	622	619	617	614	610	607	603
15	697	697	697	696	696	694	692	690	688	686	683	680	678	674	671	667	663	658	652
20	748	748	749	749	748	747	746	745	744	742	740	738	735	733	730	726	721	715	708
25	785	786	788	789	791	792	793	794	795	795	795	795	795	793	791	789	785	779	772
30	797	800	803	808	812	817	822	827	832	837	841	845	849	851	852	853	851	847	841
35	761	767	775	783	793	805	817	829	842	854	866	877	887	896	903	908	911	911	908
40	666	675	686	699	715	734	755	776	799	821	844	866	887	906	924	939	951	958	961
45	526	535	548	565	584	608	635	663	694	725	757	792	826	859	890	920	946	964	979
50	359	369	382	400	420	446	474	505	539	575	613	656	700	745	788	831	871	907	939
55	223	229	238	250	265	285	308	334	364	397	433	476	522	571	621	672	723	777	829
60	146	150	155	162	171	179	190	204	221	241	266	297	334	374	419	468	521	586	654
65	100	102	104	108	113	117	122	129	138	148	161	173	188	208	234	266	305	366	435
70	70.3	71.3	72.7	74.7	77.3	80.6	84.5	89.0	94.2	99.9	106	106	107	111	121	136	159	201	251
75	46.2	46.8	47.8	49.2	51.1	53.8	56.9	60.4	64.3	68.4	72.8	73.6	75.2	78.3	83.5	91.4	103	114	131
80	24.8	25.4	26.2	27.4	28.8	30.8	33.1	35.7	38.5	41.6	44.9	48.1	51.5	55.2	59.3	63.8	68.7	66.7	66.5
85	7.60	7.92	8.42	9.09	9.96	11.4	13.0	14.7	16.4	18.1	19.7	20.6	21.5	22.3	23.1	24.0	24.9	23.5	22.6
90	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.07

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

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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**

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**LUMINOUS DISTRIBUTION INTENSITY DATA**

Table--4

UNIT: X10cd

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	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510
5	553	551	548	546	543	541	538	535	532	530	527	524	521	518	515	512	509	506	503
10	599	595	590	586	581	575	569	564	558	552	546	540	534	528	522	515	509	503	497
15	646	640	633	626	618	610	602	594	585	577	567	558	549	539	529	519	509	499	489
20	701	693	684	675	665	654	643	631	619	607	594	580	566	552	538	524	510	495	481
25	764	755	745	734	721	708	693	678	662	645	627	609	590	571	552	532	512	493	474
30	834	824	814	801	787	771	753	734	714	692	669	646	621	596	570	544	518	492	467
35	903	896	887	875	859	841	821	799	775	748	720	691	660	628	596	562	528	495	463
40	961	958	951	941	927	910	890	867	840	811	779	744	707	669	629	587	544	502	463
45	989	995	997	995	987	974	958	936	911	881	845	806	763	717	669	618	565	515	467
50	967	990	1008	1021	1026	1024	1016	1002	982	955	918	874	826	772	713	651	589	530	473
55	879	925	967	1003	1029	1048	1058	1060	1053	1036	1001	956	903	841	772	696	623	552	485
60	723	790	855	916	971	1019	1058	1087	1105	1109	1083	1043	990	925	849	763	676	592	512
65	508	585	664	744	832	916	993	1060	1114	1151	1145	1119	1077	1017	943	853	751	652	557
70	310	375	447	526	634	743	850	949	1037	1109	1129	1130	1111	1074	1018	946	832	720	611
75	154	185	225	275	370	472	577	679	773	856	893	913	917	905	878	835	737	639	543
80	69.3	76.6	89.5	109	163	221	282	343	400	451	473	485	488	483	468	445	393	340	287
85	22.8	24.5	28.2	34.4	52.6	72.6	93.3	114	133	149	154	155	153	148	140	129	114	98.5	83.5
90	0.07	0.08	0.09	0.10	0.10	0.10	0.12	0.15	0.20	0.27	0.46	0.67	0.87	1.07	1.24	1.37	1.34	1.27	1.17

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:
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EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--5

UNIT: X10cd

C (DEG) \ γ (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	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510
5	500	497	494	491	488	485	482	480	477	474	472	469	467	464	462	460	458	456	454
10	490	484	478	472	466	460	454	448	442	437	431	426	421	416	411	407	403	399	395
15	479	470	460	450	441	431	422	413	404	396	388	380	373	365	359	352	346	341	336
20	467	453	440	426	413	400	388	376	364	354	344	334	325	316	308	301	294	288	282
25	455	436	418	401	384	368	353	339	325	313	301	291	281	272	264	256	249	243	237
30	443	419	397	375	355	337	319	303	288	275	263	252	243	234	227	220	215	210	206
35	432	403	375	351	328	307	288	271	255	242	231	221	212	205	198	193	188	185	182
40	425	389	356	328	302	280	259	242	226	214	203	194	186	180	175	170	166	163	160
45	421	378	339	308	280	255	234	216	201	189	179	171	165	160	156	151	147	144	141
50	419	369	324	289	259	234	212	194	179	167	158	151	146	142	139	135	132	129	127
55	422	364	311	273	240	213	191	173	159	148	140	134	130	127	125	122	118	116	113
60	437	368	306	262	226	196	173	155	141	131	124	120	118	117	117	113	110	107	104
65	467	385	311	261	221	188	164	145	132	121	114	110	108	107	107	104	100	96.7	93.6
70	508	412	326	269	223	187	159	139	124	112	105	101	99.4	99.5	100	96.4	92.5	88.8	85.3
75	451	365	287	236	194	160	134	115	101	90.6	84.2	80.9	79.8	80.4	81.8	78.5	75.3	72.3	69.5
80	237	190	148	123	103	87.6	76.4	68.5	63.4	58.5	55.3	53.5	52.7	52.7	53.1	51.4	49.8	48.3	47.1
85	69.4	56.4	44.9	38.8	34.4	31.3	29.4	28.3	27.9	26.8	26.0	25.5	25.3	25.2	25.3	24.6	24.1	23.8	23.9
90	1.06	0.94	0.82	0.81	0.81	0.82	0.83	0.84	0.84	0.79	0.74	0.68	0.63	0.57	0.53	0.56	0.58	0.62	0.64

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: X10cd

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	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510
5	452	451	449	448	446	445	444	443	442	442	441	441	441	441	441	441	441	442	442
10	391	388	385	382	380	377	375	373	372	371	370	369	369	369	369	369	370	371	372
15	331	326	322	319	315	312	310	308	306	304	303	302	302	301	302	302	303	304	306
20	276	272	267	263	260	257	255	252	250	249	248	247	246	246	246	247	248	249	250
25	233	228	225	223	220	219	217	216	215	214	214	214	213	213	213	214	214	214	215
30	203	201	199	197	195	194	194	193	192	191	191	191	190	190	190	191	191	191	192
35	179	177	175	173	172	170	169	168	167	166	166	165	165	165	165	165	166	166	167
40	158	156	154	151	149	148	146	145	144	143	143	142	142	142	142	142	143	143	144
45	139	137	135	133	131	130	129	128	127	126	125	125	124	124	124	125	125	126	127
50	124	123	120	119	117	115	114	113	113	112	112	112	112	112	112	112	112	112	113
55	111	109	108	106	105	104	104	103	103	103	103	103	103	103	103	103	103	103	103
60	101	98.5	97.1	96.1	95.3	94.8	94.5	94.4	94.2	94.1	94.0	94.1	94.1	94.2	94.1	94.1	94.0	94.1	94.2
65	91.0	88.8	87.9	87.4	87.1	87.1	87.2	87.3	86.4	85.5	84.6	83.8	83.2	82.7	83.2	83.8	84.6	85.5	86.4
70	82.1	79.2	77.4	75.9	74.7	73.8	73.0	72.4	71.5	70.7	70.0	69.4	69.1	68.9	69.1	69.4	70.0	70.7	71.5
75	66.9	64.6	63.0	61.8	60.7	59.9	59.2	58.6	57.7	56.9	56.2	55.7	55.3	55.1	55.3	55.7	56.2	56.9	57.7
80	46.0	45.3	45.5	46.0	46.6	47.3	48.1	48.8	48.7	48.6	48.4	48.2	47.9	47.7	47.9	48.2	48.4	48.6	48.7
85	24.3	25.2	28.5	32.1	35.9	39.6	42.9	45.8	45.5	44.6	43.3	41.9	40.4	39.2	40.4	41.9	43.3	44.6	45.5
90	0.67	0.67	0.60	0.52	0.43	0.33	0.24	0.16	0.13	0.12	0.11	0.11	0.12	0.13	0.12	0.11	0.11	0.12	0.13

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

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**LUMINOUS DISTRIBUTION INTENSITY DATA**

Table--7

UNIT: X10cd

C (DEG) \ $\gamma$ (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	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510
5	443	444	445	446	448	449	451	452	454	456	458	460	462	464	467	469	472	474	477
10	373	375	377	380	382	385	388	391	395	399	403	407	411	416	421	426	431	437	442
15	308	310	312	315	319	322	326	331	336	341	346	352	359	365	373	380	388	396	404
20	252	255	257	260	263	267	272	276	282	288	294	301	308	316	325	334	344	354	364
25	216	217	219	220	223	225	228	233	237	243	249	256	264	272	281	291	301	313	325
30	193	194	194	195	197	199	201	203	206	210	215	220	227	234	243	252	263	275	288
35	168	169	170	172	173	175	177	179	182	185	188	193	198	205	212	221	231	242	255
40	145	146	148	149	151	154	156	158	160	163	166	170	175	180	186	194	203	214	226
45	128	129	130	131	133	135	137	139	141	144	147	151	156	160	165	171	179	189	201
50	113	114	115	117	119	120	123	124	127	129	132	135	139	142	146	151	158	167	179
55	103	104	104	105	106	108	109	111	113	116	118	122	125	127	130	134	140	148	159
60	94.4	94.5	94.8	95.3	96.1	97.1	98.5	101	104	107	110	113	117	117	118	120	124	131	141
65	87.3	87.2	87.1	87.1	87.4	87.9	88.8	91.0	93.6	96.7	100	104	107	107	108	110	114	121	132
70	72.4	73.0	73.8	74.7	75.9	77.4	79.2	82.1	85.3	88.8	92.5	96.4	100	99.5	99.4	101	105	112	124
75	58.6	59.2	59.9	60.7	61.8	63.0	64.6	66.9	69.5	72.3	75.3	78.5	81.8	80.4	79.8	80.9	84.2	90.6	101
80	48.8	48.1	47.3	46.6	46.0	45.5	45.3	46.0	47.1	48.3	49.8	51.4	53.1	52.7	52.7	53.5	55.3	58.5	63.4
85	45.8	42.9	39.6	35.9	32.1	28.5	25.2	24.3	23.9	23.8	24.1	24.6	25.3	25.2	25.3	25.5	26.0	26.8	27.9
90	0.16	0.24	0.33	0.43	0.52	0.60	0.67	0.67	0.64	0.62	0.58	0.56	0.53	0.57	0.63	0.68	0.74	0.79	0.84

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

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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: X10cd

$\gamma$ (DEG) \ C (DEG)	332.5	335	337.5	340	342.5	345	347.5	350	352.5	355	357.5								
0	510	510	510	510	510	510	510	510	510	510	510								
5	480	482	485	488	491	494	497	500	503	506	509								
10	448	454	460	466	472	478	484	490	497	503	509								
15	413	422	431	441	450	460	470	479	489	499	509								
20	376	388	400	413	426	440	453	467	481	495	510								
25	339	353	368	384	401	418	436	455	474	493	512								
30	303	319	337	355	375	397	419	443	467	492	518								
35	271	288	307	328	351	375	403	432	463	495	528								
40	242	259	280	302	328	356	389	425	463	502	544								
45	216	234	255	280	308	339	378	421	467	515	565								
50	194	212	234	259	289	324	369	419	473	530	589								
55	173	191	213	240	273	311	364	422	485	552	623								
60	155	173	196	226	262	306	368	437	512	592	676								
65	145	164	188	221	261	311	385	467	557	652	751								
70	139	159	187	223	269	326	412	508	611	720	832								
75	115	134	160	194	236	287	365	451	543	639	737								
80	68.5	76.4	87.6	103	123	148	190	237	287	340	393								
85	28.3	29.4	31.3	34.4	38.8	44.9	56.4	69.4	83.5	98.5	114								
90	0.84	0.83	0.82	0.81	0.81	0.82	0.94	1.06	1.17	1.27	1.34								

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