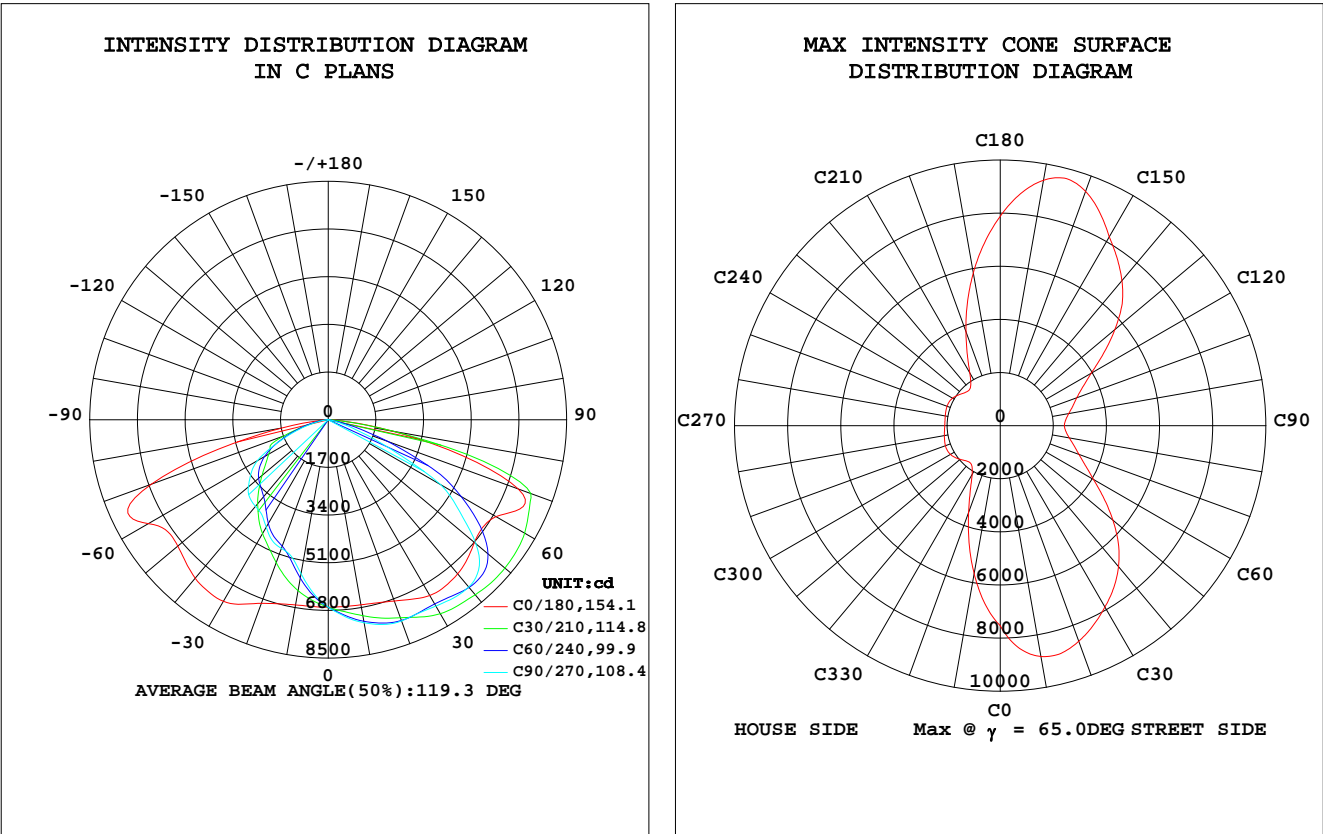


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:231.38V I:0.6594A P:149.32W PF:0.9787 Freq:50.00Hz Lamp Flux:25786.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:5050 10芯 高亮 40K RA70 T3D	DIM.:	SERIAL No.:
MFR.: KLED	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 172.70 lm/W			
MODEL	D-251S-150W-54	Imax(cd)	9634	η street_up(%)	0.0
NOMINAL POWER(W)	150	LOR(%)	100.0	η street_down(%)	64.2
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	25786	η house_up(%)	0.1
NOMINAL FLUX(lm)	25786.2	MAXIMUM @(C,γ)	165,65.0	η house_down(%)	35.7
LAMPS INSIDE	1	η up(%)	0.1	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	230.0	η down(%)	99.9	SLI	22.640

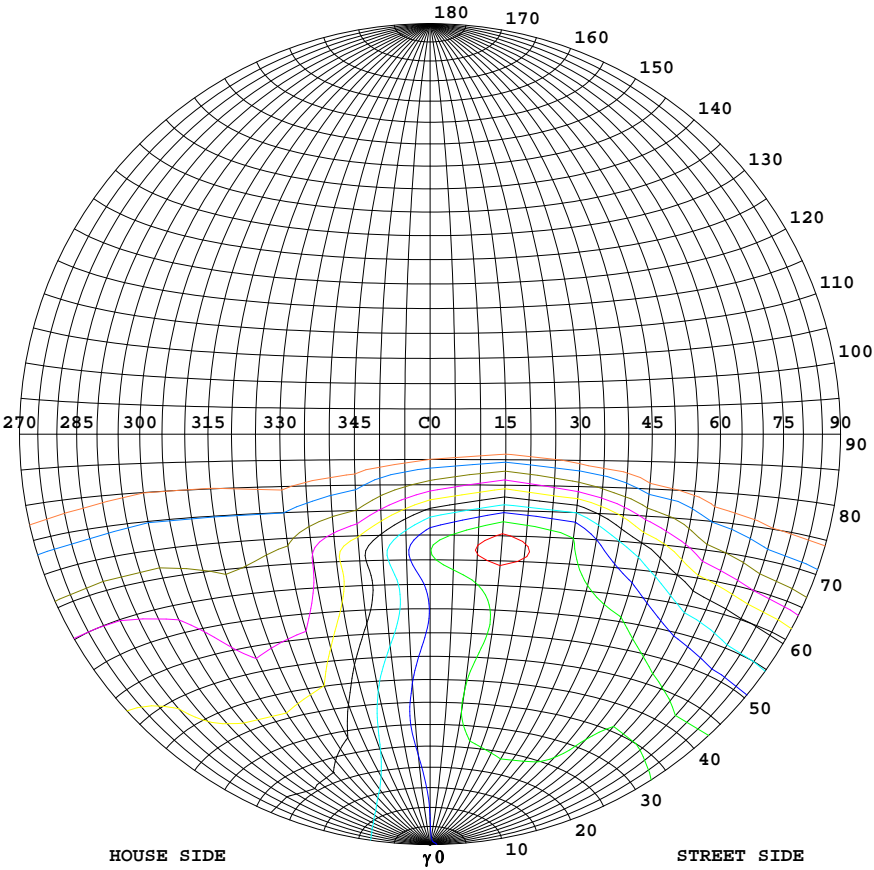


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:13.9DEG
Operators:CS01
Test Date:2025-05-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
Humidity:38.0%
Test Distance:1.917m [K=1.0000]
Remarks: D-251S-150W-54(5050 10芯 高亮 40K RA70 T3D)

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:231.38V I:0.6594A P:149.32W PF:0.9787 Freq:50.00Hz Lamp Flux:25786.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:5050 10芯 高亮 40K RA70 T3D	DIM.:	SERIAL No.:
MFR.: KLED	SUR.:	Shielding Angle:



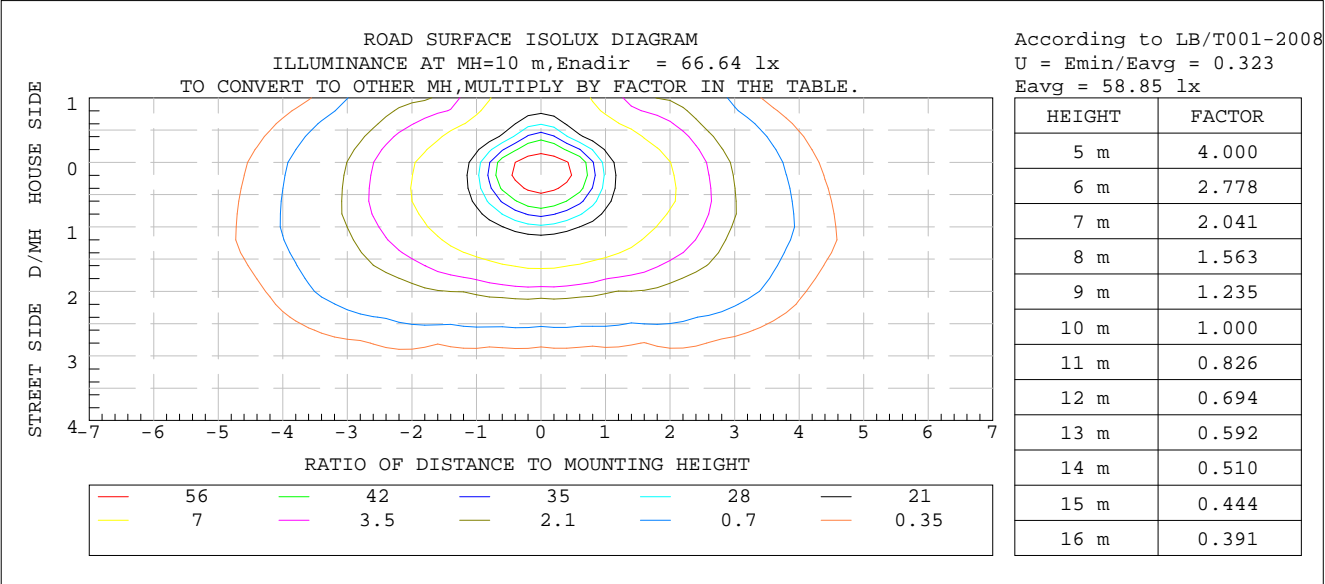
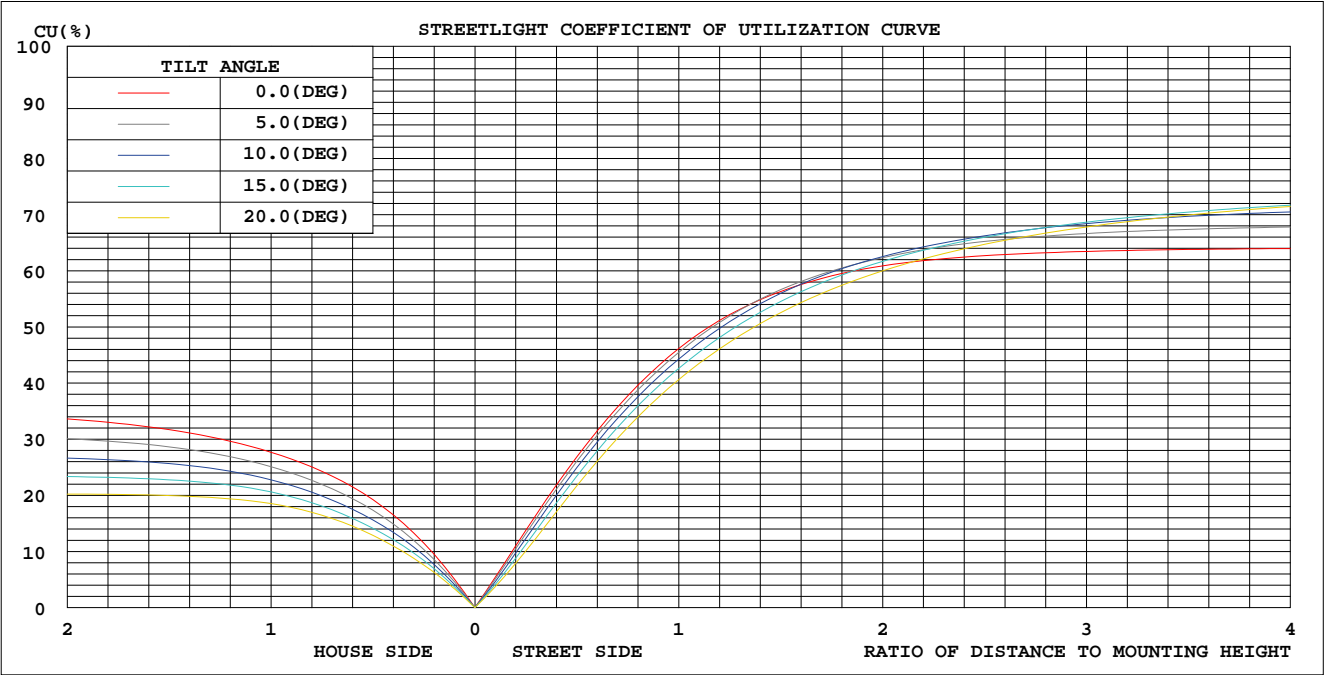
Classification:
IES:Type III - Short
CIE:Narrow - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:133.1cd/klm
Max.At90:0.5808cd/klm
Max.80-90:133.1cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	9634
90%	8671
80%	7708
70%	6744
60%	5781
50%	4817
40%	3854
30%	2890
20%	1927
10%	963
5%	482

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:13.9DEG
Operators:CS01
Test Date:2025-05-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
Humidity:38.0%
Test Distance:1.917m [K=1.0000]
Remarks: D-251S-150W-54(5050 10芯 高亮 40K RA70 T3D)

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:13.9DEG
Operators:CS01
Test Date:2025-05-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
Humidity:38.0%
Test Distance:1.917m [K=1.0000]
Remarks: D-251S-150W-54(5050 10芯 高亮 40K RA70 T1

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

Test:U:231.38V I:0.6594A P:149.32W PF:0.9787 Freq:50.00Hz Lamp Flux:25786.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:5050 10芯 高亮 40K RA70 T3D	DIM.:	SERIAL No.:
MFR.: KLED	SUR.:	Shielding Angle:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	ℓlum,lamp
10	6701	7220	7345	7237	6705	5929	5583	5944	0- 10	633.0	633.0	2.45,2.45
20	6878	7584	7637	7673	6965	4922	4885	4990	10- 20	1842	2475	9.6,9.6
30	7238	7846	7672	8041	7475	4248	4425	4349	20- 30	2971	5446	21.1,21.1
40	7178	8038	7788	8322	7377	3360	4036	3495	30- 40	3938	9383	36.4,36.4
50	6806	8086	6871	8436	7005	2675	3718	2746	40- 50	4632	14016	54.4,54.4
60	6908	7144	4634	7441	7405	2148	2915	2204	50- 60	4800	18815	73,73
70	7207	4822	1074	4796	6698	1350	1316	1423	60- 70	4349	23164	89.8,89.8
80	2278	688.7	134.0	588.7	1647	442.5	272.7	492.2	70- 80	2297	25462	98.7,98.7
90	2.967	0.7371	0.7295	1.199	0.8314	7.546	1.928	10.52	80- 90	297.9	25760	99.9,99.9
100	2.294	1.089	0.9358	1.545	1.560	2.140	1.103	2.408	90-100	1.508	25761	99.9,99.9
110	2.956	1.593	1.290	2.058	2.904	3.374	2.754	3.579	100-110	2.194	25763	99.9,99.9
120	3.844	2.275	1.813	2.644	4.648	4.923	4.491	5.170	110-120	3.170	25766	99.9,99.9
130	5.537	3.499	2.612	3.895	6.427	7.176	6.281	6.738	120-130	4.061	25770	99.9,99.9
140	6.353	4.411	3.482	4.616	8.306	9.421	8.125	8.205	130-140	4.578	25775	100,100
150	6.318	5.602	4.983	5.505	9.576	10.93	10.15	9.424	140-150	4.478	25780	100,100
160	6.808	6.627	6.123	5.961	9.997	10.34	10.47	9.161	150-160	3.706	25783	100,100
170	6.867	6.813	7.158	6.199	9.297	9.144	8.973	8.155	160-170	2.243	25785	100,100
180	8.691	8.347	8.112	7.501	8.822	8.310	8.316	7.589	170-180	0.7446	25786	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

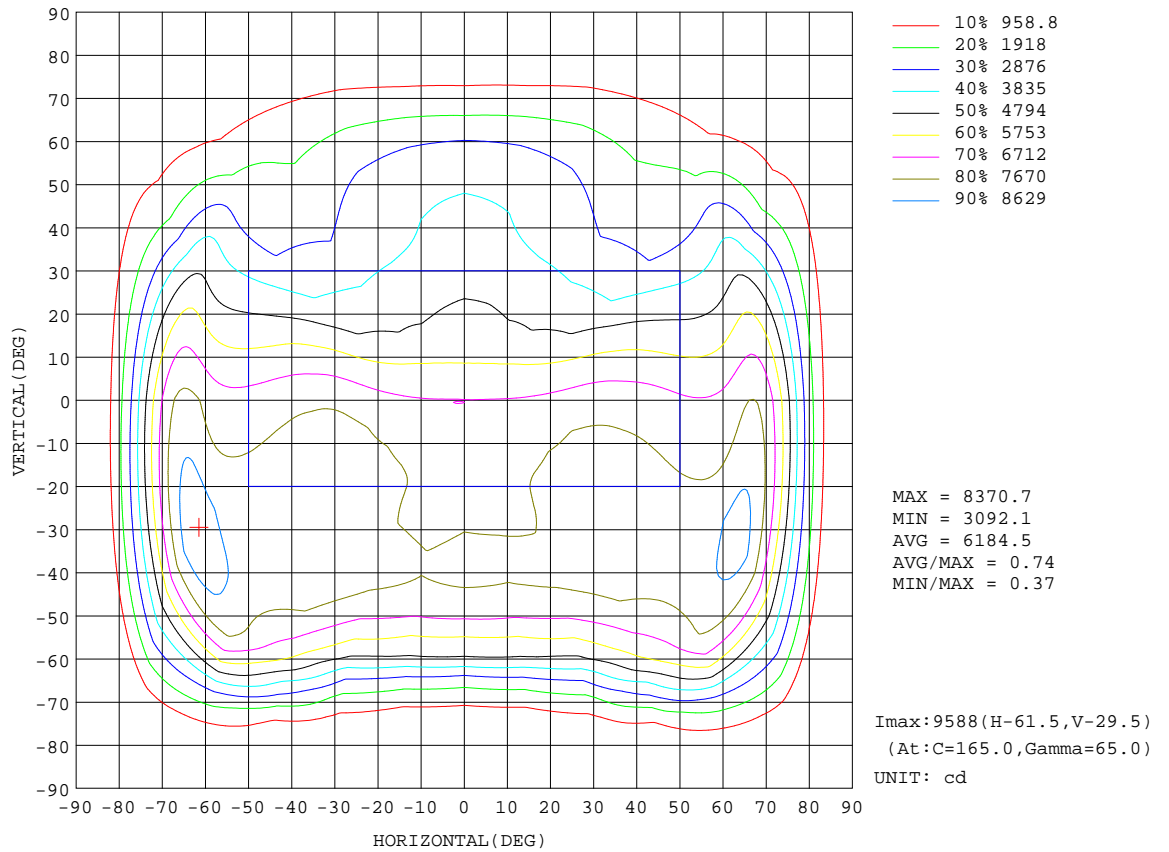
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:13.9DEG
Operators:CS01
Test Date:2025-05-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
γ Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
Humidity:38.0%
Test Distance:1.917m [K=1.0000]
Remarks: D-251S-150W-54(5050 10芯 高亮 40K RA70 T3D)

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

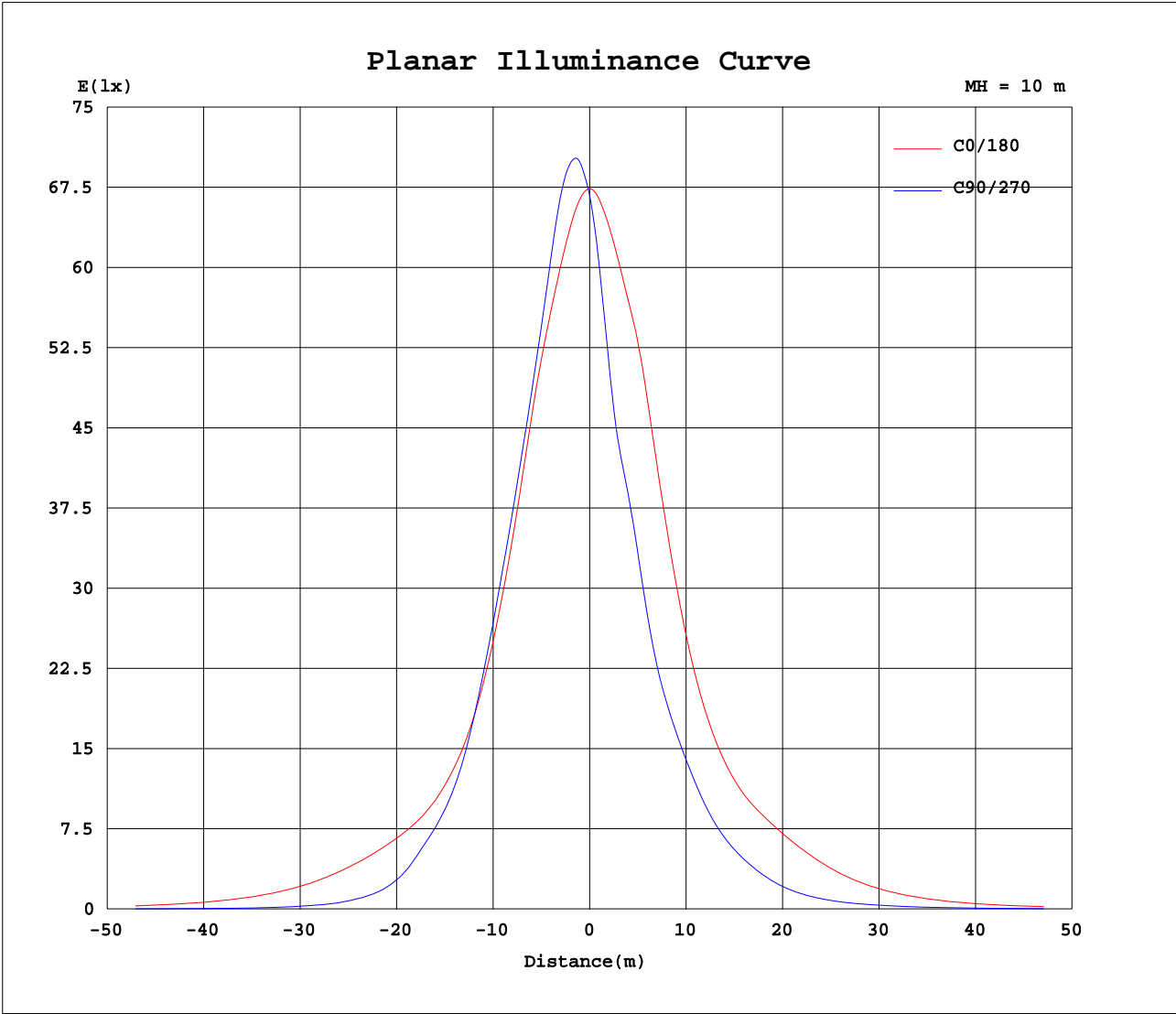
ISOCANDELA DIAGRAM

Test:U:231.38V I:0.6594A P:149.32W PF:0.9787 Freq:50.00Hz Lamp Flux:25786.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:5050 10芯 高亮 40K RA70 T3D	DIM.:	SERIAL No.:
MFR.: KLED	SUR.:	Shielding Angle:



C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: 15.0DEG	γ Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
Temperature:13.9DEG	Humidity:38.0%
Operators:CS01	Test Distance:1.917m [K=1.0000]
Test Date:2025-05-07	Remarks: D-251S-150W-54(5050 10芯 高亮 40K RA70 T3D

Planar Illuminance Curve

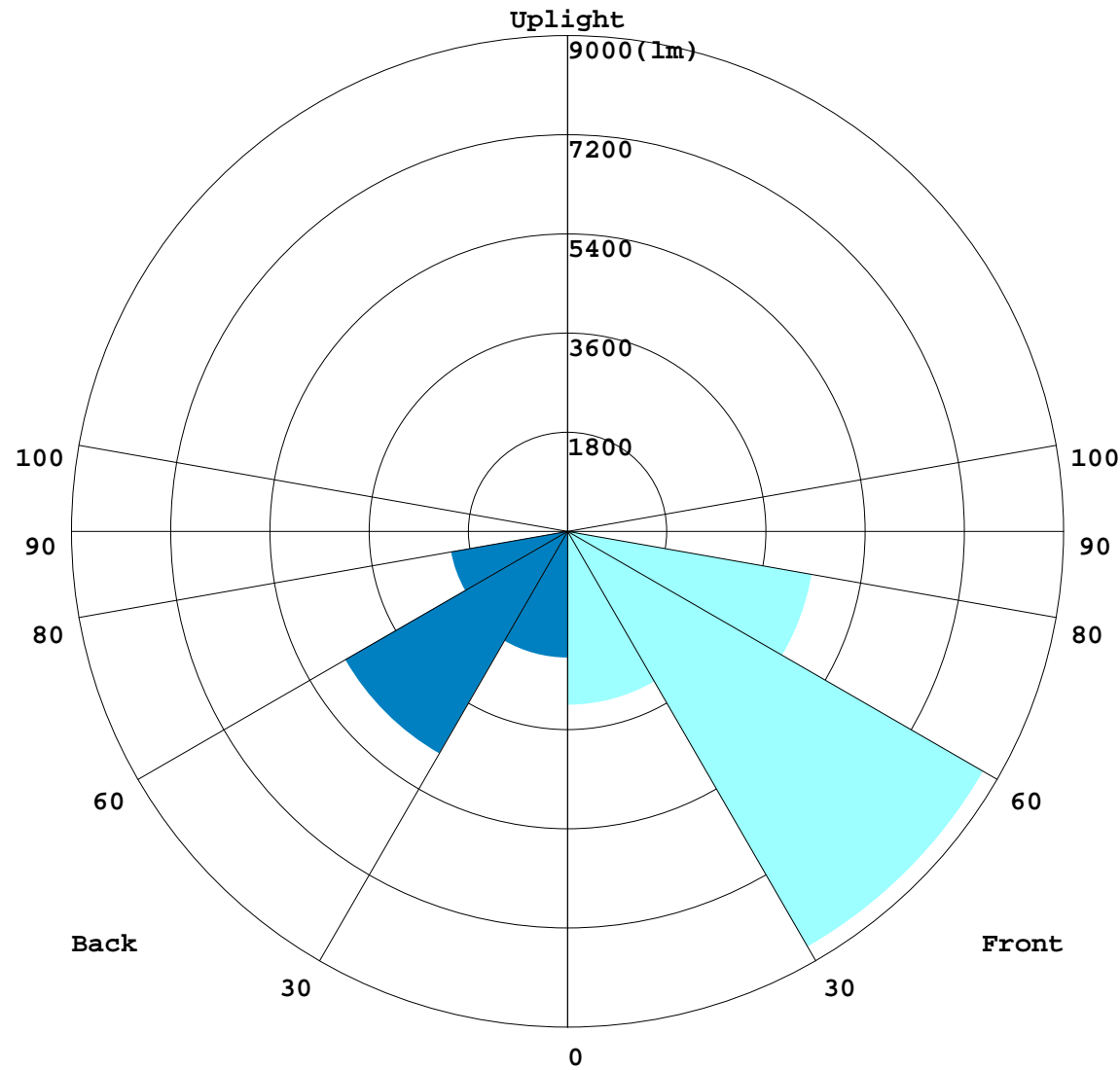


C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: 15.0DEG	γ Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
Temperature:13.9DEG	Humidity:38.0%
Operators:CS01	Test Distance:1.917m [K=1.0000]
Test Date:2025-05-07	Remarks: D-251S-150W-54(5050 10芯 高亮 40K RA70 T1

LCS REPORT

Test:U:231.38V I:0.6594A P:149.32W PF:0.9787 Freq:50.00Hz Lamp Flux:25786.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:5050 10芯 高亮 40K RA70 T3D	DIM.:	SERIAL No.:
MFR.: KLED	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:13.9DEG
Operators:CS01
Test Date:2025-05-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
Humidity:38.0%
Test Distance:1.917m [K=1.0000]
Remarks: D-251S-150W-54(5050 10芯 高亮 40K RA70 T3D)

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

BUG REPORT

Test:U:231.38V I:0.6594A P:149.32W PF:0.9787 Freq:50.00Hz Lamp Flux:25786.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:5050 10芯 高亮 40K RA70 T3D	DIM.:	SERIAL No.:
MFR.: KLED	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	3151.5	12.2
FM - Front-Medium(30-60)	8711.8	33.8
FH - Front-High(60-80)	4500.6	17.5
FVH - Front-Very High(80-90)	198.8	0.8
Total Forward Light	16573	64.3

BL - Back-Low(0-30)	2294.1	8.9
BM - Back-Medium(30-60)	4657.7	18.1
BH - Back-High(60-80)	2145.8	8.3
BVH - Back-Very High(80-90)	99.063	0.4
Total Back Light	9213.4	35.7

UL - Uplight-Low(90-100)	1.5076	0.0
UH - Uplight-High(100-180)	25.175	0.1
Total Up Light	26.682	0.1

BUG(Back,Up,Glare) Rating	B3-U2-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	9196.8	16.591	9213.4
Street Side	16563	10.091	16573

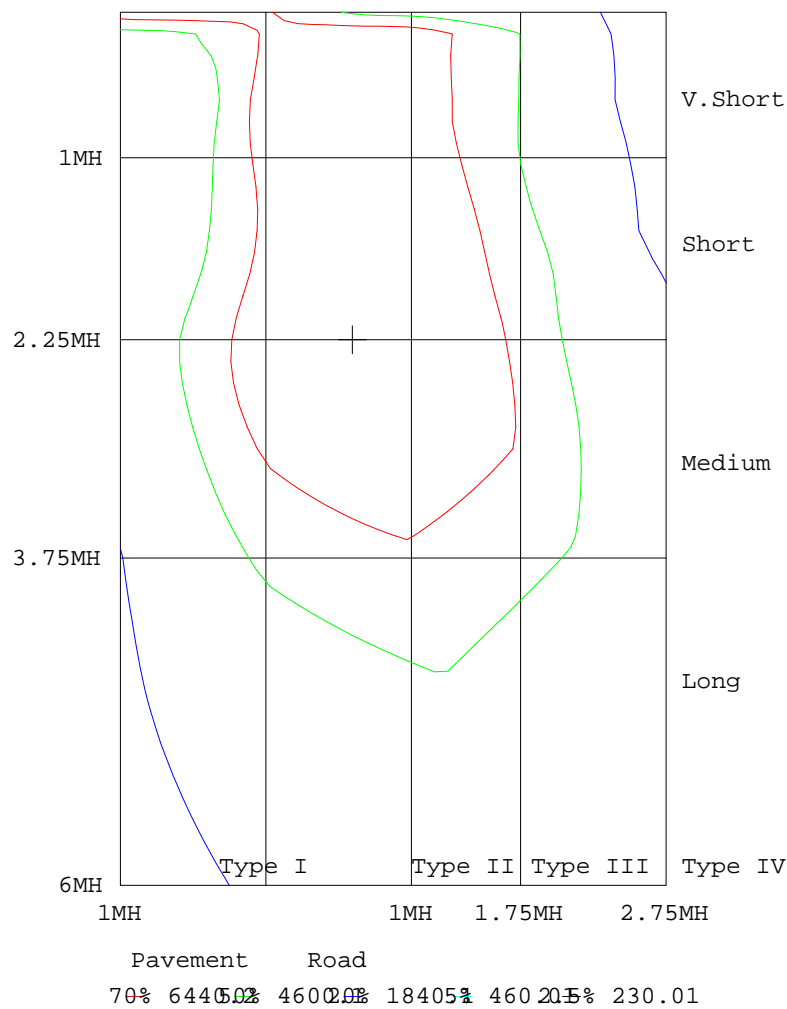
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:13.9DEG
Operators:CS01
Test Date:2025-05-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
Humidity:38.0%
Test Distance:1.917m [K=1.0000]
Remarks: D-251S-150W-54(5050 10芯 高亮 40K RA70 T3D)

ROAD ISOCANDELA REPORT

Test:U:231.38V I:0.6594A P:149.32W PF:0.9787 Freq:50.00Hz Lamp Flux:25786.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:5050 10芯 高亮 40K RA70 T3D	DIM.:	SERIAL No.:
MFR.: KLED	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:13.9DEG
Operators:CS01
Test Date:2025-05-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
Humidity:38.0%
Test Distance:1.917m [K=1.0000]
Remarks: D-251S-150W-54(5050 10芯 高亮 40K RA70 T3D

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:231.38V I:0.6594A P:149.32W PF:0.9787 Freq:50.00Hz Lamp Flux:25786.2x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:5050 10芯 高亮 40K RA70 T3D									DIM.:					SERIAL No.:				
MFR.: KLED									SUR.:					Shielding Angle:				

Table--1																	UNIT: cd			
C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	
0	6684	6684	6684	6684	6684	6684	6684	6684	6684	6684	6684	6684	6684	6684	6684	6684	6684	6684	6684	
5	6685	6785	6872	6950	7006	7037	7050	7043	7008	6950	6873	6783	6682	6578	6469	6368	6278	6218	6198	
10	6701	6911	7093	7220	7294	7334	7345	7341	7307	7237	7109	6915	6705	6457	6188	5929	5735	5620	5583	
15	6757	7092	7320	7435	7505	7546	7556	7548	7523	7481	7381	7140	6793	6343	5838	5413	5171	5073	5057	
20	6878	7317	7515	7584	7616	7634	7637	7631	7636	7673	7659	7441	6965	6245	5423	4922	4800	4842	4885	
25	7061	7593	7760	7700	7603	7605	7613	7589	7633	7865	8003	7837	7257	6201	5025	4563	4590	4675	4744	
30	7238	7793	7985	7846	7585	7641	7672	7612	7654	8041	8256	8088	7475	6199	4689	4248	4275	4354	4425	
35	7256	7872	8084	7933	7675	7719	7767	7676	7767	8148	8386	8161	7471	6090	4319	3832	3880	4036	4132	
40	7178	7874	8148	8038	7805	7741	7788	7708	7894	8322	8486	8159	7377	5856	3916	3360	3586	3887	4036	
45	7018	7815	8214	8134	7785	7585	7579	7549	7870	8465	8529	8082	7186	5501	3496	2983	3402	3790	3953	
50	6806	7733	8222	8086	7436	6965	6871	6921	7507	8436	8510	8021	7005	5131	3082	2675	3246	3598	3718	
55	6713	7744	8185	7778	6610	5902	5727	5871	6661	8119	8460	8082	6974	4809	2721	2417	2998	3261	3365	
60	6908	7976	8084	7144	5471	4872	4634	4830	5557	7441	8360	8420	7405	4622	2454	2148	2624	2828	2915	
65	7533	8874	7882	6293	4055	2875	2414	2830	3954	6494	8211	9634	7882	4791	2297	1803	2077	2121	2093	
70	7207	8750	7681	4822	2234	1296	1074	1280	2148	4796	7897	8574	6698	3381	1673	1350	1447	1352	1316	
75	4963	6459	5728	2583	941	495	410	491	910	2510	5287	5857	4061	1605	834	889	882	770	712	
80	2278	3433	2356	689	202	152	134	146	189	589	2010	2959	1647	660	389	443	433	323	273	
85	480	738	394	45.3	27.1	7.56	5.37	7.36	24.3	62.8	273	433	307	135	102	119	105	57.6	52.8	
90	2.97	7.44	1.67	0.74	0.70	0.72	0.73	0.75	0.86	1.20	1.62	15.0	0.83	1.74	2.78	7.55	7.73	4.94	1.93	
95	1.89	1.51	1.14	0.89	0.85	0.86	0.83	0.82	0.99	1.42	1.87	2.14	1.04	1.21	1.19	1.02	1.70	0.57	0.51	
100	2.29	1.82	1.40	1.09	1.02	1.01	0.94	0.94	1.14	1.55	1.99	2.36	1.56	2.28	2.49	2.14	1.60	1.15	1.10	
105	2.57	2.17	1.68	1.31	1.21	1.17	1.06	1.09	1.32	1.76	2.28	2.55	2.10	2.53	2.66	2.54	2.13	1.99	1.86	
110	2.96	2.58	2.09	1.59	1.44	1.37	1.29	1.32	1.67	2.06	2.69	2.93	2.90	3.33	3.50	3.37	3.02	2.96	2.75	
115	3.41	2.99	2.44	1.89	1.70	1.62	1.55	1.64	1.84	2.27	3.04	3.35	3.75	4.24	4.44	4.17	3.90	3.77	3.54	
120	3.84	3.38	2.89	2.28	2.06	1.92	1.81	2.02	2.35	2.64	3.47	3.87	4.65	5.14	5.41	4.92	4.80	4.70	4.49	
125	4.73	4.14	3.52	2.82	2.41	2.29	2.19	2.41	2.90	3.16	3.85	4.47	5.67	6.09	6.05	5.87	6.21	5.83	5.49	
130	5.54	4.91	4.21	3.50	2.75	2.66	2.61	3.00	3.40	3.89	4.30	5.05	6.43	6.75	6.85	7.18	7.27	6.81	6.28	
135	6.26	5.56	4.82	3.98	3.22	3.03	3.04	3.56	3.88	4.24	4.80	5.48	7.30	7.55	8.02	8.31	8.32	7.88	7.14	
140	6.35	5.75	5.03	4.41	3.74	3.40	3.48	4.08	4.38	4.62	4.78	5.53	8.31	8.46	8.99	9.42	9.59	9.01	8.13	
145	6.04	5.74	5.33	4.90	4.55	3.94	4.10	4.62	4.89	4.93	5.07	5.39	8.97	9.29	9.69	10.3	10.6	9.90	9.18	
150	6.32	6.13	5.85	5.60	5.33	4.89	4.98	5.30	5.40	5.51	5.43	5.63	9.58	9.84	10.3	10.9	11.4	10.8	10.1	
155	6.53	6.44	6.37	6.31	5.86	5.54	5.58	5.85	5.71	5.89	5.71	5.56	9.79	10.0	10.4	11.0	11.4	11.1	10.7	
160	6.81	6.85	6.75	6.63	6.17	6.08	6.12	6.29	5.97	5.96	5.66	5.52	10.00	10.0	10.1	10.3	10.7	10.7	10.5	
165	6.66	6.59	6.66	6.65	6.54	6.60	6.61	6.72	6.28	5.89	5.42	5.38	9.75	9.76	9.64	9.69	9.96	9.97	9.74	
170	6.87	6.54	6.69	6.81	6.86	7.11	7.16	7.18	6.67	6.20	5.77	5.66	9.30	9.29	9.21	9.14	9.13	9.19	8.97	
175	7.69	7.56	7.38	7.37	7.53	7.72	7.82	7.76	7.39	7.06	6.77	6.65	8.86	8.87	8.89	8.74	8.80	8.66	8.49	
180	8.69	8.41	8.43	8.35	8.54	8.39	8.11	7.96	7.67	7.50	7.43	7.21	8.82	8.83	8.37	8.31	8.35	8.42	8.32	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:13.9DEG
Operators:CS01
Test Date:2025-05-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
Humidity:38.0%
Test Distance:1.917m [K=1.0000]
Remarks: D-251S-150W-54(5050 10芯 高亮 40K RA70 T3D)

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:231.38V I:0.6594A P:149.32W PF:0.9787 Freq:50.00Hz Lamp Flux:25786.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:5050 10芯 高亮 40K RA70 T3D	DIM.:	SERIAL No.:
MFR.: KLED	SUR.:	Shielding Angle:

Table--2						UNIT: cd													
C(DEG) γ (DEG)	285	300	315	330	345														
0	6684	6684	6684	6684	6684														
5	6219	6275	6367	6472	6582														
10	5627	5746	5944	6200	6466														
15	5093	5205	5454	5866	6346														
20	4882	4857	4990	5473	6235														
25	4731	4665	4645	5076	6147														
30	4421	4378	4349	4734	6064														
35	4098	3990	3967	4347	5932														
40	3935	3672	3495	3878	5707														
45	3833	3462	3089	3451	5384														
50	3647	3299	2746	3026	5000														
55	3308	3056	2476	2630	4648														
60	2879	2696	2204	2327	4430														
65	2170	2166	1864	2123	4554														
70	1394	1522	1423	1744	3780														
75	799	939	952	956	1957														
80	348	476	492	435	788														
85	73.6	131	152	133	190														
90	7.95	10.2	10.5	3.88	1.80														
95	0.53	1.34	0.92	1.11	1.22														
100	1.40	1.97	2.41	2.59	2.38														
105	1.95	2.49	2.83	2.95	2.73														
110	2.80	3.19	3.58	3.69	3.50														
115	3.68	4.04	4.42	4.53	4.36														
120	4.61	4.83	5.17	5.40	5.28														
125	5.39	5.52	5.85	6.13	6.17														
130	5.94	6.18	6.74	6.79	6.72														
135	6.82	6.91	7.42	7.63	7.46														
140	7.85	7.87	8.21	8.22	8.16														
145	8.75	8.86	8.91	8.72	8.55														
150	9.59	9.53	9.42	9.11	8.93														
155	10.2	9.92	9.38	9.20	9.01														
160	10.2	9.60	9.16	8.98	8.91														
165	9.63	9.28	8.84	8.56	8.34														
170	8.86	8.53	8.15	7.86	7.65														
175	8.37	8.13	7.72	7.45	7.34														
180	8.13	8.00	7.59	7.36	7.29														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:13.9DEG
Operators:CS01
Test Date:2025-05-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
Humidity:38.0%
Test Distance:1.917m [K=1.0000]
Remarks: D-251S-150W-54(5050 10芯 高亮 40K RA70 T3D)