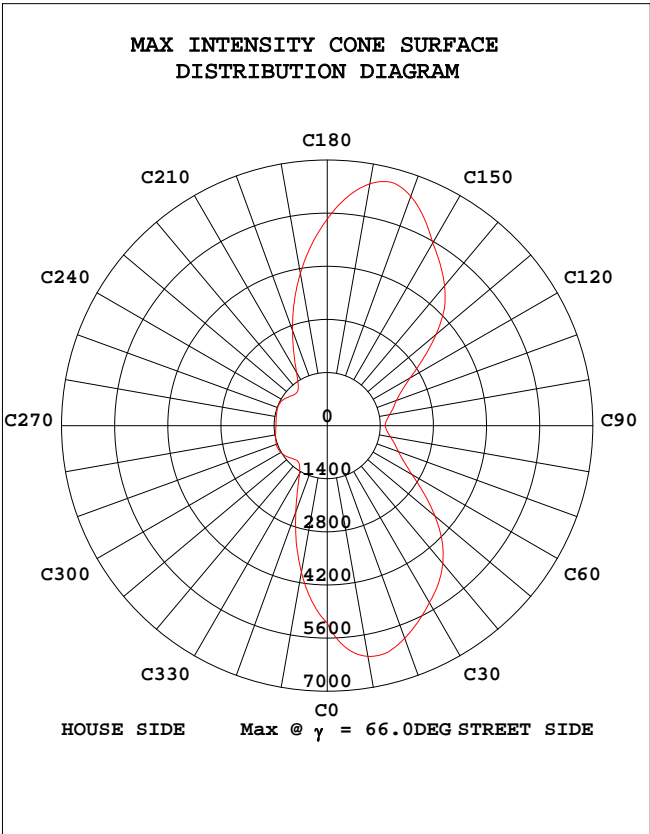
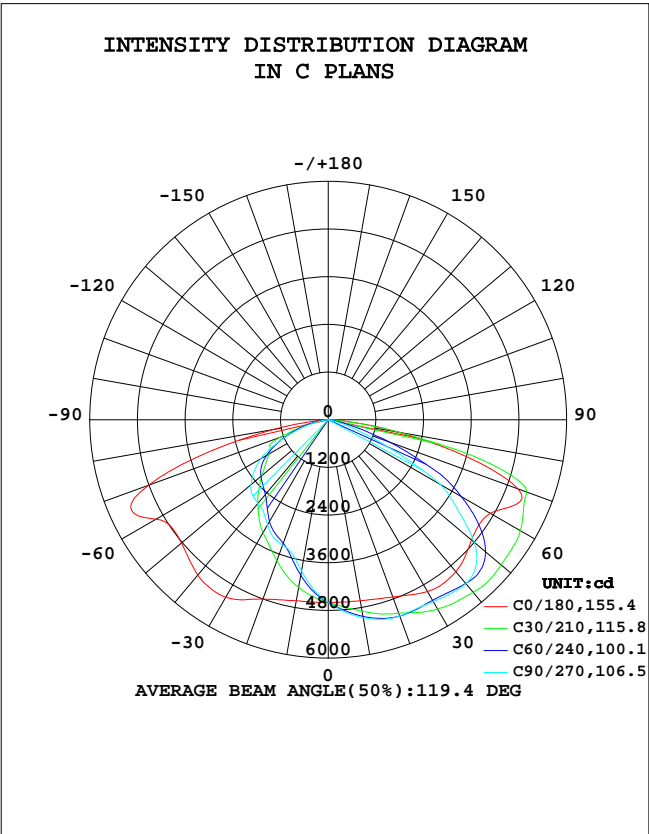


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:231.47V I:0.4443A P:101.18W PF:0.9838 Freq:50.01Hz Lamp Flux:17991.1x1 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: 177.82 lm/W			
MODEL	D-251S-100W-54	Imax(cd)	6635	η street_up(%)	0.0
NOMINAL POWER(W)	100	LOR(%)	100.0	η street_down(%)	64.2
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	17991	η house_up(%)	0.1
NOMINAL FLUX(lm)	17991.1	MAXIMUM @(C,γ)	165,66.0	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	22.250

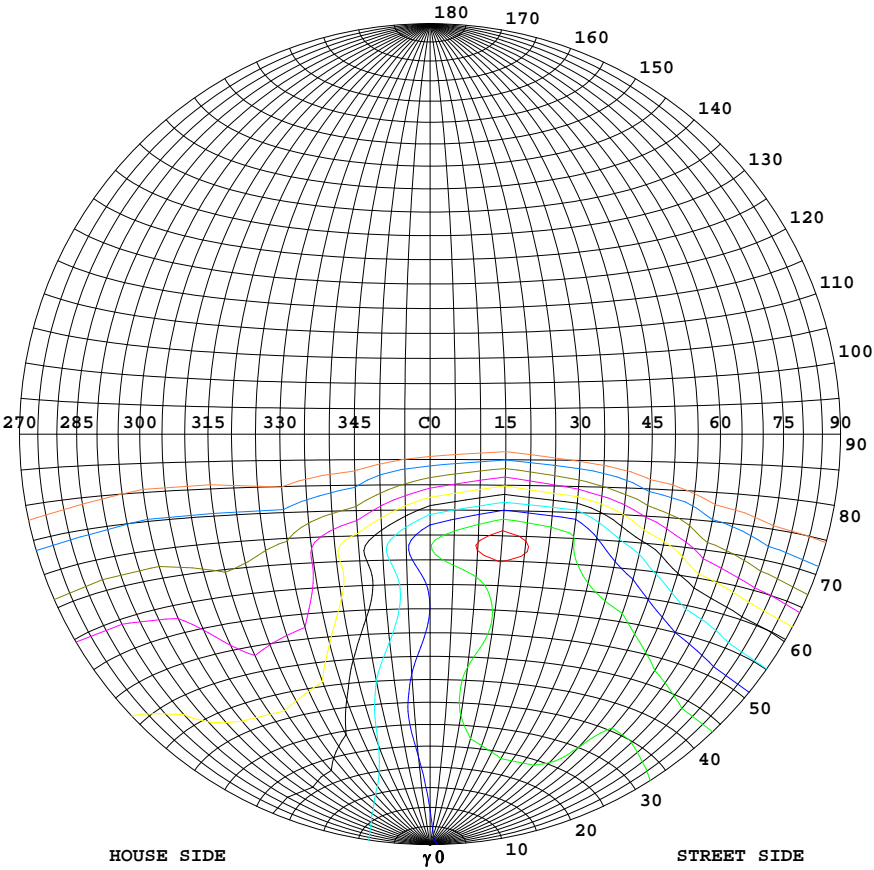


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:13.9DEG
Operators:CS01
Test Date:2025-04-17

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-100W-54(5050 10芯 高亮 40K RA70 T3D)

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:231.47V I:0.4443A P:101.18W PF:0.9838 Freq:50.01Hz Lamp Flux:17991.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:5050 10芯 高亮 40K RA70 T3D	DIM.:	SERIAL No.:
MFR.: KLED	SUR.:	Shielding Angle:



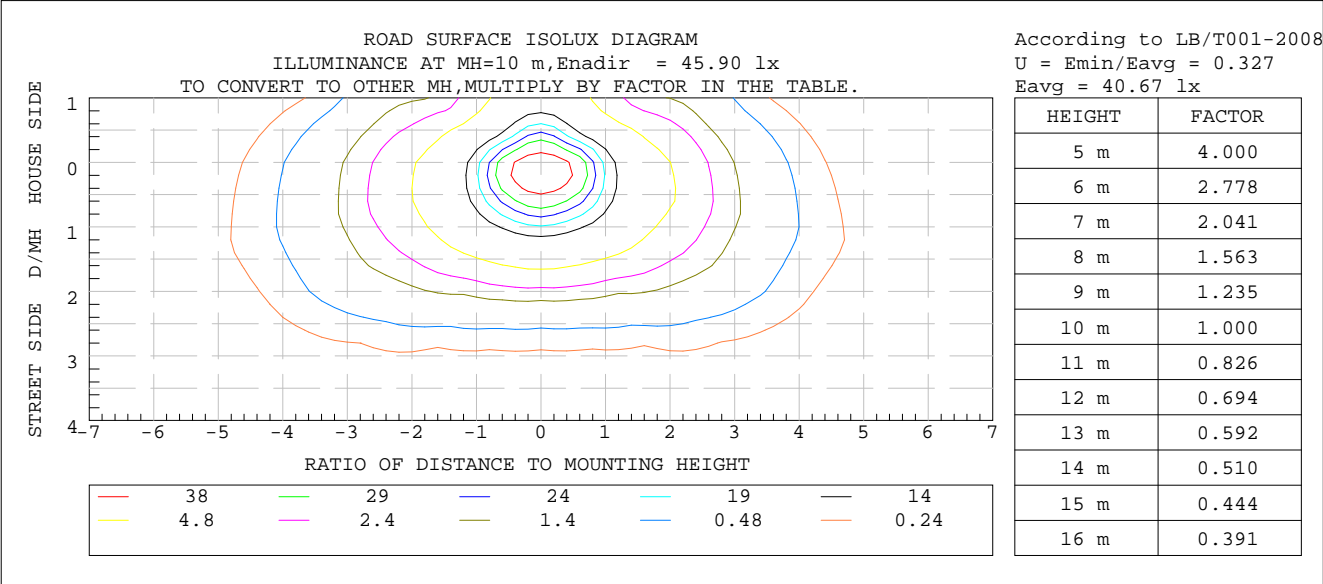
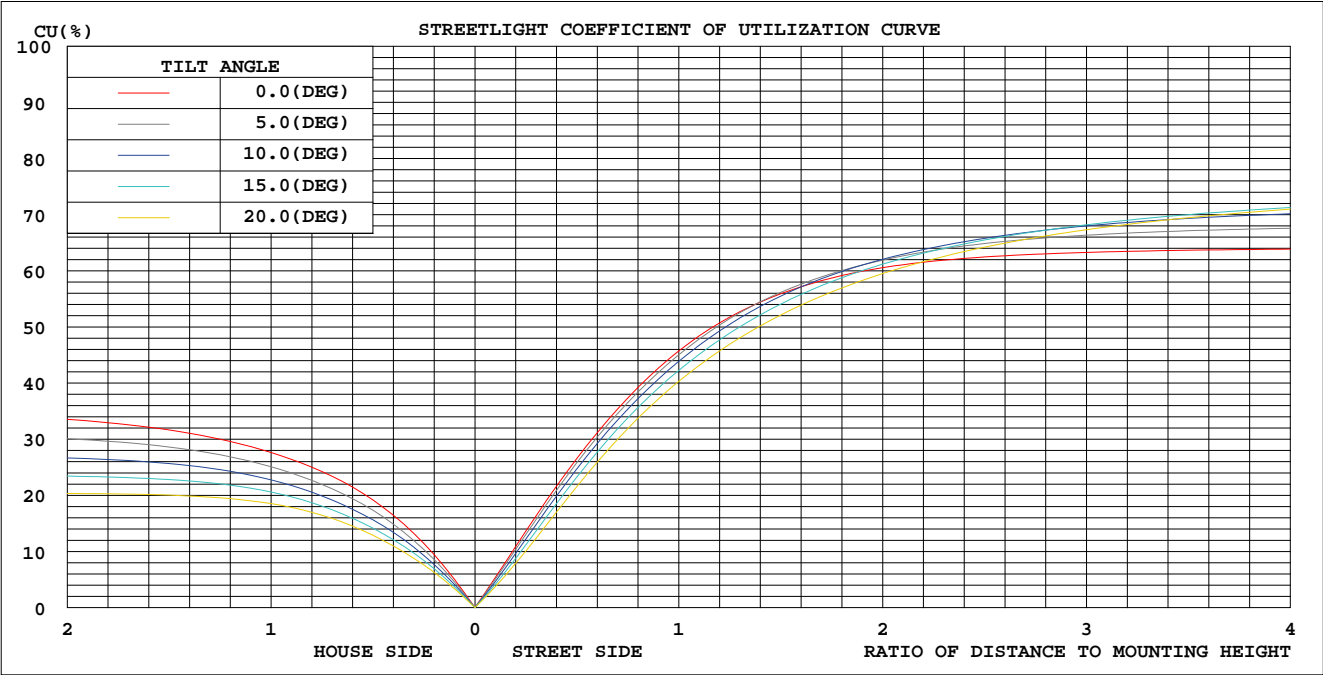
Classification:
IES:Type III - Short
CIE:Narrow - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:144.1cd/klm
Max.At90:1.433cd/klm
Max.80-90:144.1cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	6635
90%	5971
80%	5308
70%	4644
60%	3981
50%	3317
40%	2654
30%	1990
20%	1327
10%	663
5%	332

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:13.9DEG
Operators:CS01
Test Date:2025-04-17

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-100W-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:2025-04-17

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-100W-54(5050 10芯 高亮 40K RA70 T1

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

Test:U:231.47V I:0.4443A P:101.18W PF:0.9838 Freq:50.01Hz Lamp Flux:17991.1x1 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	lum,lamp
10	4626	4975	5058	4985	4626	4116	3870	4121	0- 10	436.6	436.6	2.43,2.43
20	4748	5242	5257	5284	4804	3417	3358	3460	10- 20	1272	1709	9.5,9.5
30	4993	5420	5283	5516	5159	2933	3055	3006	20- 30	2050	3759	20.9,20.9
40	4995	5551	5390	5722	5106	2337	2752	2437	30- 40	2723	6482	36,36
50	4708	5640	4795	5828	4823	1844	2541	1913	40- 50	3207	9689	53.9,53.9
60	4711	4994	3257	5143	5005	1483	1962	1538	50- 60	3319	13008	72.3,72.3
70	5081	3438	793.1	3423	4806	957.4	956.2	1010	60- 70	3028	16036	89.1,89.1
80	1754	555.8	105.7	485.0	1380	343.7	215.1	375.8	70- 80	1690	17725	98.5,98.5
90	20.30	0.6037	0.5917	0.8927	0.8765	8.280	1.992	11.65	80- 90	246.4	17972	99.9,99.9
100	1.612	0.7671	0.6598	1.098	1.104	1.670	0.7822	1.847	90-100	1.381	17973	99.9,99.9
110	2.098	1.124	0.8946	1.429	2.031	2.449	1.963	2.555	100-110	1.573	17975	99.9,99.9
120	2.735	1.602	1.265	1.871	3.256	3.522	3.164	3.687	110-120	2.241	17977	99.9,99.9
130	3.908	2.429	1.820	2.695	4.570	5.048	4.429	4.788	120-130	2.863	17980	99.9,99.9
140	4.505	3.069	2.410	3.221	5.949	6.612	5.720	5.866	130-140	3.228	17983	100,100
150	4.475	3.920	3.468	3.844	6.795	7.643	7.077	6.690	140-150	3.156	17986	100,100
160	4.835	4.691	4.300	4.237	7.036	7.303	7.412	6.507	150-160	2.611	17989	100,100
170	4.797	4.740	4.961	4.322	6.517	6.398	6.277	5.759	160-170	1.580	17991	100,100
180	6.088	5.794	5.641	5.201	6.173	5.804	5.769	5.301	170-180	0.5191	17991	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

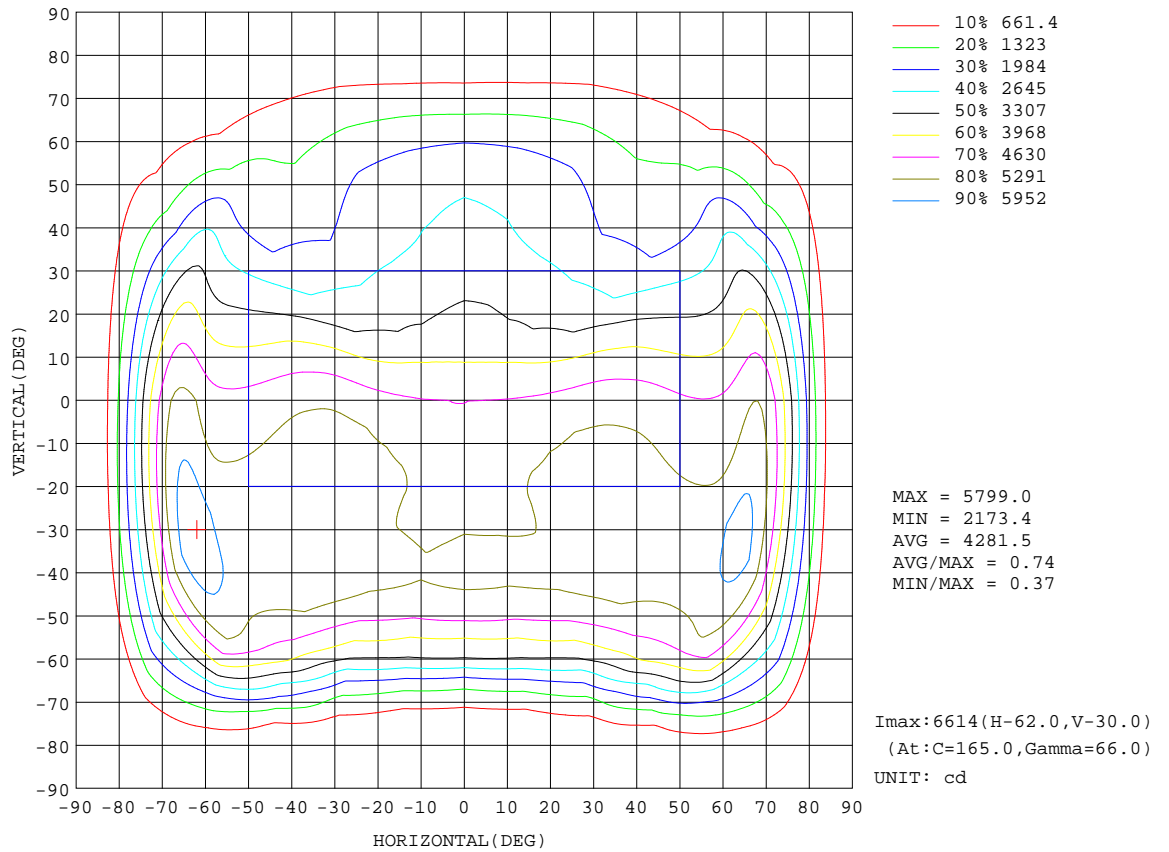
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:13.9DEG
Operators:CS01
Test Date:2025-04-17

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-100W-54(5050 10芯 高亮 40K RA70 T3D)

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

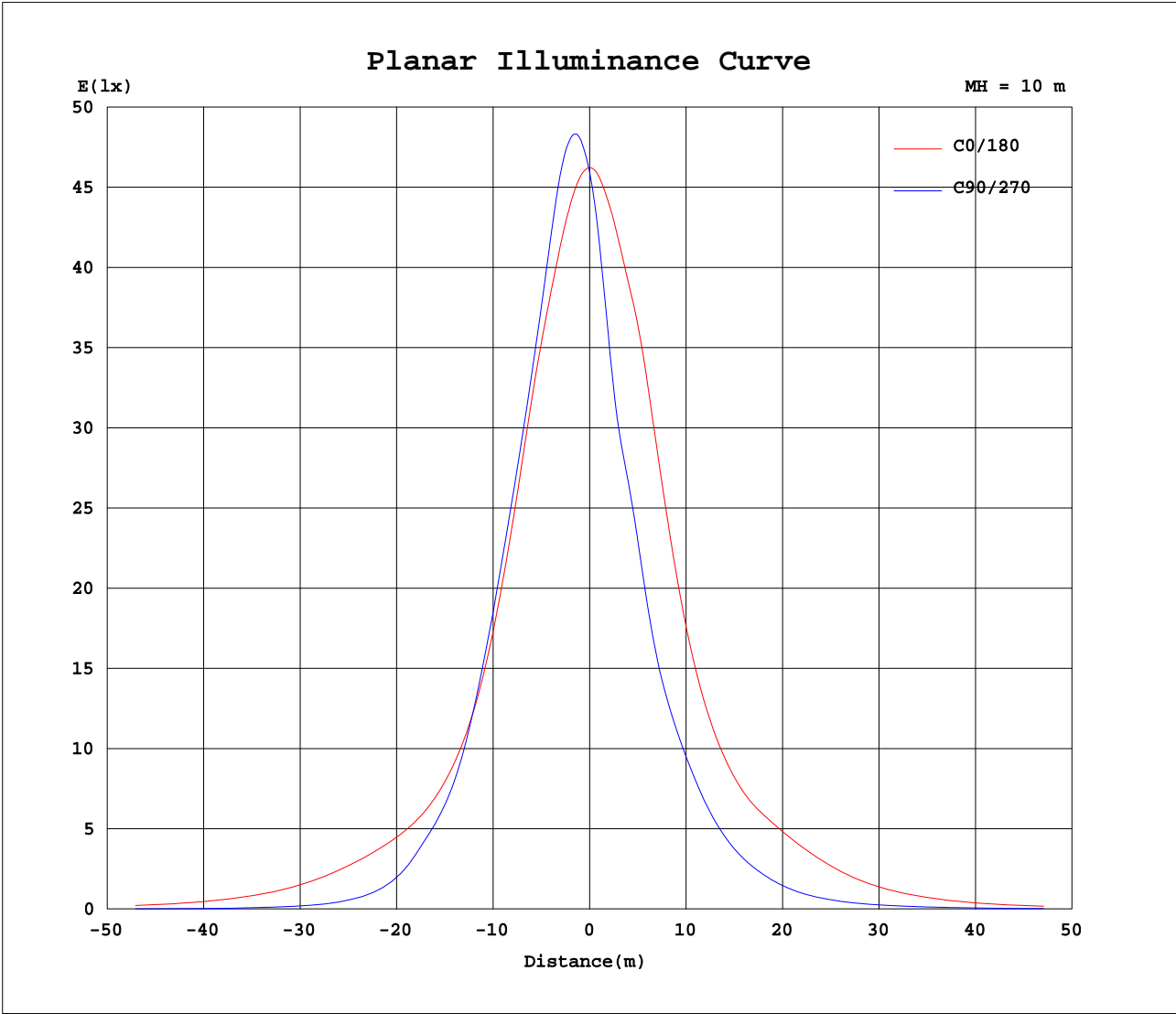
ISOCANDELA DIAGRAM

Test:U:231.47V I:0.4443A P:101.18W PF:0.9838 Freq:50.01Hz Lamp Flux:17991.1x1 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:2025-04-17	Remarks: D-251S-100W-54(5050 10芯 高亮 40K RA70 T3D

Planar Illuminance Curve



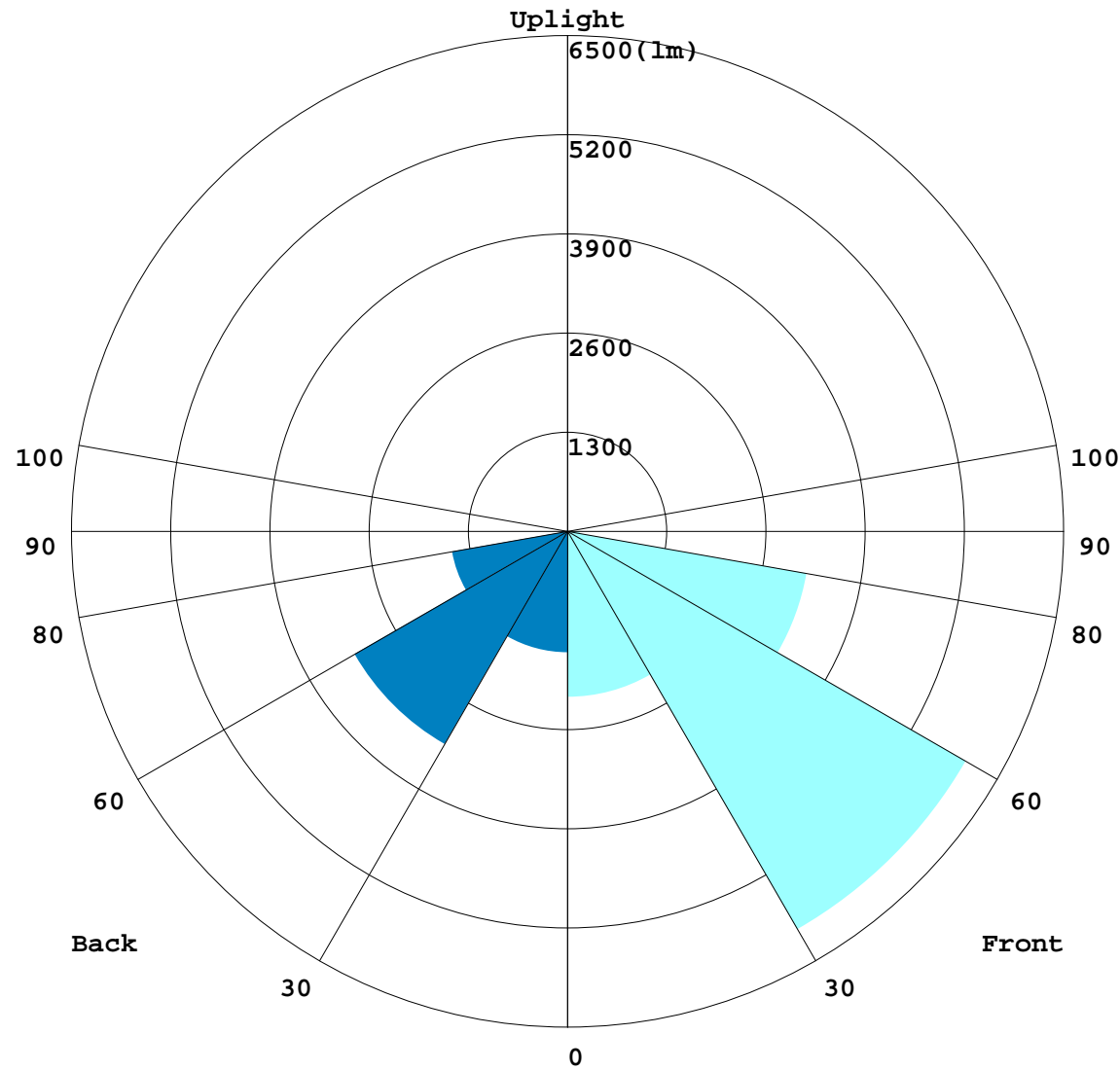
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:13.9DEG
Operators:CS01
Test Date:2025-04-17

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-100W-54(5050 10芯 高亮 40K RA70 T1

LCS REPORT

Test:U:231.47V I:0.4443A P:101.18W PF:0.9838 Freq:50.01Hz Lamp Flux:17991.1x1 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:2025-04-17

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-100W-54(5050 10芯 高亮 40K RA70 T3D)

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

BUG REPORT

Test:U:231.47V I:0.4443A P:101.18W PF:0.9838 Freq:50.01Hz Lamp Flux:17991.1x1 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)	2171.9	12.1
FM - Front-Medium(30-60)	6025.6	33.5
FH - Front-High(60-80)	3181	17.7
FVH - Front-Very High(80-90)	164.05	0.9
Total Forward Light	11550	64.2

BL - Back-Low(0-30)	1587.2	8.8
BM - Back-Medium(30-60)	3223.1	17.9
BH - Back-High(60-80)	1536.8	8.5
BVH - Back-Very High(80-90)	82.378	0.5
Total Back Light	6441.3	35.8

UL - Uplight-Low(90-100)	1.3812	0.0
UH - Uplight-High(100-180)	17.771	0.1
Total Up Light	19.152	0.1

BUG(Back,Up,Glare) Rating	B3-U2-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	6429.4	11.894	6441.3
Street Side	11543	7.2581	11550

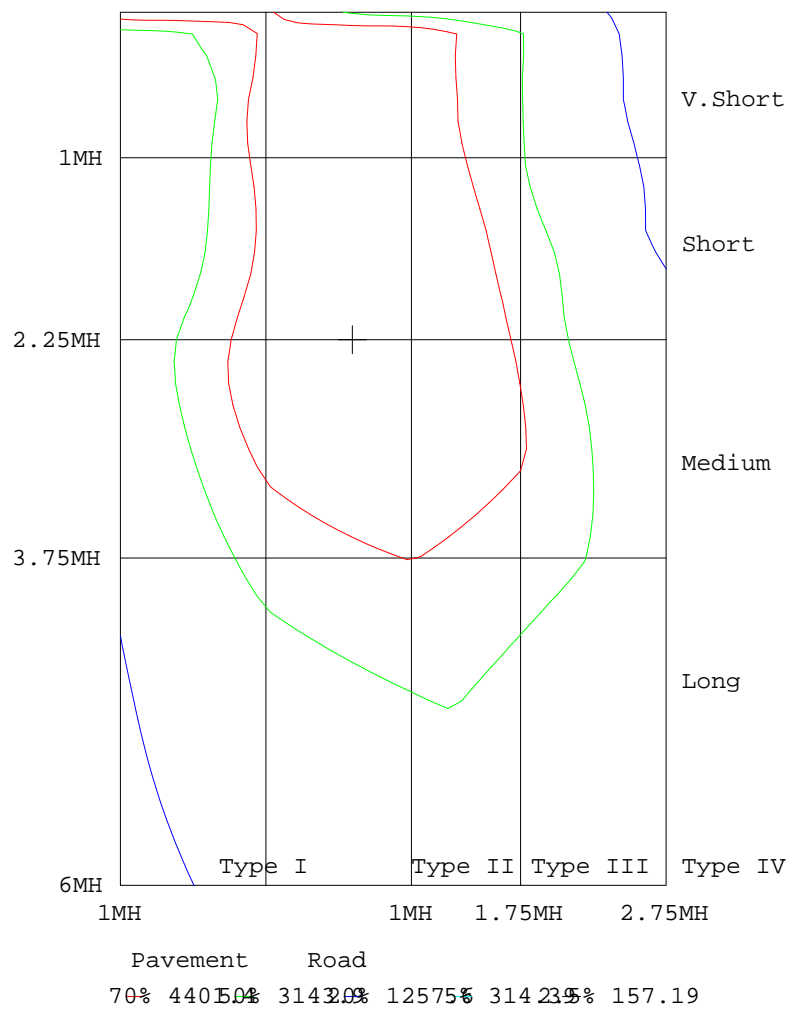
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:13.9DEG
Operators:CS01
Test Date:2025-04-17

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-100W-54(5050 10芯 高亮 40K RA70 T3

ROAD ISOCANDELA REPORT

Test:U:231.47V I:0.4443A P:101.18W PF:0.9838 Freq:50.01Hz Lamp Flux:17991.1x1 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	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:2025-04-17	Remarks: D-251S-100W-54(5050 10芯 高亮 40K RA70 T3D)

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:231.47V I:0.4443A P:101.18W PF:0.9838 Freq:50.01Hz Lamp Flux:17991.1x1 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	4600	4600	4600	4600	4600	4600	4600	4600	4600	4600	4600	4600	4600	4600	4600	4600	4600	4600	4600	
5	4606	4672	4734	4784	4821	4843	4852	4846	4825	4787	4736	4674	4606	4534	4465	4395	4337	4296	4283	
10	4626	4768	4893	4975	5024	5050	5058	5054	5034	4985	4902	4772	4626	4461	4287	4116	3980	3897	3870	
15	4672	4901	5058	5134	5176	5196	5202	5198	5187	5157	5085	4931	4693	4394	4059	3767	3590	3512	3496	
20	4748	5049	5184	5242	5257	5260	5257	5256	5262	5284	5263	5121	4804	4333	3779	3417	3311	3329	3358	
25	4863	5221	5351	5319	5264	5248	5248	5239	5270	5407	5489	5378	4999	4305	3503	3153	3160	3219	3266	
30	4993	5369	5503	5420	5250	5274	5283	5249	5269	5516	5668	5560	5159	4324	3282	2933	2957	3007	3055	
35	5038	5453	5599	5468	5297	5319	5348	5288	5334	5592	5778	5636	5176	4267	3038	2663	2683	2778	2842	
40	4995	5482	5672	5551	5379	5363	5390	5329	5418	5722	5872	5650	5106	4111	2760	2337	2463	2654	2752	
45	4869	5424	5720	5641	5392	5257	5245	5224	5431	5840	5884	5566	4956	3863	2469	2069	2324	2576	2689	
50	4708	5328	5680	5640	5169	4855	4795	4818	5197	5828	5833	5505	4823	3608	2179	1844	2212	2453	2541	
55	4625	5318	5648	5418	4639	4130	4000	4108	4651	5588	5806	5527	4780	3381	1919	1662	2056	2221	2283	
60	4711	5429	5580	4994	3866	3417	3257	3396	3896	5143	5728	5659	5005	3215	1725	1483	1789	1899	1962	
65	5128	5991	5420	4413	2869	2102	1780	2057	2832	4518	5567	6550	5449	3396	1621	1245	1432	1478	1466	
70	5081	6141	5320	3438	1643	957	793	940	1570	3423	5486	6069	4806	2583	1281	957	1038	988	956	
75	3626	4656	4164	1911	717	385	300	380	690	1864	3869	4305	3085	1308	656	651	657	581	545	
80	1754	2593	1797	556	157	119	106	116	150	485	1572	2333	1380	535	299	344	339	261	215	
85	423	639	295	47.8	25.5	11.1	8.16	11.1	24.0	53.3	266	466	256	134	87.2	108	87.0	53.7	46.3	
90	20.3	25.8	10.1	0.60	0.55	0.58	0.59	0.59	0.66	0.89	1.23	1.75	0.88	2.68	4.72	8.28	7.90	5.96	1.99	
95	1.32	1.07	0.81	0.63	0.59	0.60	0.58	0.58	0.70	1.00	1.32	1.49	0.73	0.85	0.84	0.74	1.21	0.43	0.37	
100	1.61	1.29	1.00	0.77	0.71	0.71	0.66	0.67	0.81	1.10	1.41	1.67	1.10	1.69	1.92	1.67	1.22	0.84	0.78	
105	1.81	1.54	1.19	0.92	0.85	0.81	0.74	0.76	0.93	1.24	1.59	1.81	1.48	1.84	1.94	1.85	1.56	1.41	1.31	
110	2.10	1.83	1.47	1.12	1.00	0.95	0.89	0.95	1.16	1.43	1.90	2.05	2.03	2.35	2.49	2.45	2.13	2.11	1.96	
115	2.42	2.13	1.72	1.33	1.19	1.13	1.08	1.13	1.35	1.60	2.09	2.34	2.62	2.98	3.16	3.01	2.73	2.69	2.52	
120	2.73	2.39	2.02	1.60	1.44	1.33	1.26	1.42	1.64	1.87	2.45	2.71	3.26	3.61	3.82	3.52	3.37	3.30	3.16	
125	3.35	2.92	2.46	1.96	1.70	1.59	1.53	1.69	2.03	2.17	2.68	3.11	3.98	4.32	4.38	4.17	4.32	4.06	3.88	
130	3.91	3.45	2.93	2.43	1.90	1.85	1.82	2.07	2.35	2.70	3.07	3.55	4.57	4.83	4.88	5.05	5.12	4.78	4.43	
135	4.42	3.91	3.37	2.77	2.20	2.11	2.11	2.45	2.67	2.92	3.38	3.80	5.22	5.43	5.71	5.85	5.82	5.52	5.04	
140	4.50	4.05	3.52	3.07	2.58	2.35	2.41	2.82	3.05	3.22	3.39	3.86	5.95	6.03	6.40	6.61	6.68	6.31	5.72	
145	4.31	4.02	3.72	3.41	3.15	2.72	2.84	3.21	3.41	3.44	3.57	3.79	6.42	6.61	6.86	7.24	7.44	6.92	6.43	
150	4.47	4.32	4.10	3.92	3.72	3.40	3.47	3.70	3.78	3.84	3.86	4.00	6.79	6.96	7.24	7.64	7.96	7.53	7.08	
155	4.63	4.56	4.48	4.45	4.11	3.87	3.90	4.09	4.01	4.14	4.05	3.94	6.91	7.10	7.34	7.67	7.96	7.78	7.46	
160	4.83	4.88	4.78	4.69	4.34	4.26	4.30	4.43	4.19	4.24	4.04	3.91	7.04	7.08	7.15	7.30	7.50	7.50	7.41	
165	4.74	4.72	4.73	4.68	4.59	4.62	4.63	4.71	4.41	4.17	3.84	3.78	6.88	6.89	6.81	6.83	7.02	6.99	6.84	
170	4.80	4.57	4.67	4.74	4.76	4.92	4.96	4.99	4.62	4.32	3.99	3.92	6.52	6.52	6.48	6.40	6.39	6.42	6.28	
175	5.37	5.27	5.13	5.11	5.20	5.34	5.43	5.42	5.16	4.95	4.73	4.61	6.20	6.20	6.21	6.10	6.10	6.01	5.89	
180	6.09	5.89	5.88	5.79	5.91	5.82	5.64	5.58	5.34	5.20	5.17	5.07	6.17	6.18	5.84	5.80	5.80	5.84	5.77	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:13.9DEG
Operators:CS01
Test Date:2025-04-17

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-100W-54(5050 10芯 高亮 40K RA70 T

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:231.47V I:0.4443A P:101.18W PF:0.9838 Freq:50.01Hz Lamp Flux:17991.1x1 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	4600	4600	4600	4600	4600														
5	4294	4335	4393	4463	4536														
10	3898	3985	4121	4292	4468														
15	3524	3611	3789	4074	4393														
20	3359	3356	3460	3798	4320														
25	3260	3218	3213	3525	4254														
30	3056	3030	3006	3289	4211														
35	2829	2766	2755	3039	4138														
40	2698	2536	2437	2719	3989														
45	2615	2381	2157	2423	3760														
50	2497	2266	1913	2124	3493														
55	2261	2113	1721	1847	3238														
60	1938	1854	1538	1626	3051														
65	1508	1493	1302	1482	3120														
70	1013	1087	1010	1281	2768														
75	597	690	694	724	1489														
80	274	363	376	326	612														
85	63.4	111	126	111	166														
90	8.73	12.3	11.7	9.48	2.65														
95	0.37	0.53	0.64	0.78	0.86														
100	1.10	1.52	1.85	1.95	1.73														
105	1.51	1.83	2.08	2.16	1.95														
110	2.06	2.29	2.56	2.65	2.46														
115	2.62	2.86	3.13	3.21	3.06														
120	3.26	3.44	3.69	3.80	3.71														
125	3.82	3.97	4.15	4.36	4.39														
130	4.26	4.40	4.79	4.83	4.78														
135	4.85	4.96	5.30	5.44	5.31														
140	5.54	5.60	5.87	5.90	5.84														
145	6.18	6.30	6.35	6.25	6.13														
150	6.72	6.71	6.69	6.50	6.39														
155	7.13	7.00	6.67	6.52	6.42														
160	7.19	6.83	6.51	6.37	6.35														
165	6.79	6.57	6.27	6.09	5.92														
170	6.22	6.00	5.76	5.56	5.42														
175	5.82	5.67	5.39	5.21	5.13														
180	5.66	5.59	5.30	5.16	5.10														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:13.9DEG
Operators:CS01
Test Date:2025-04-17

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-100W-54(5050 10芯 高亮 40K RA70 T3D)