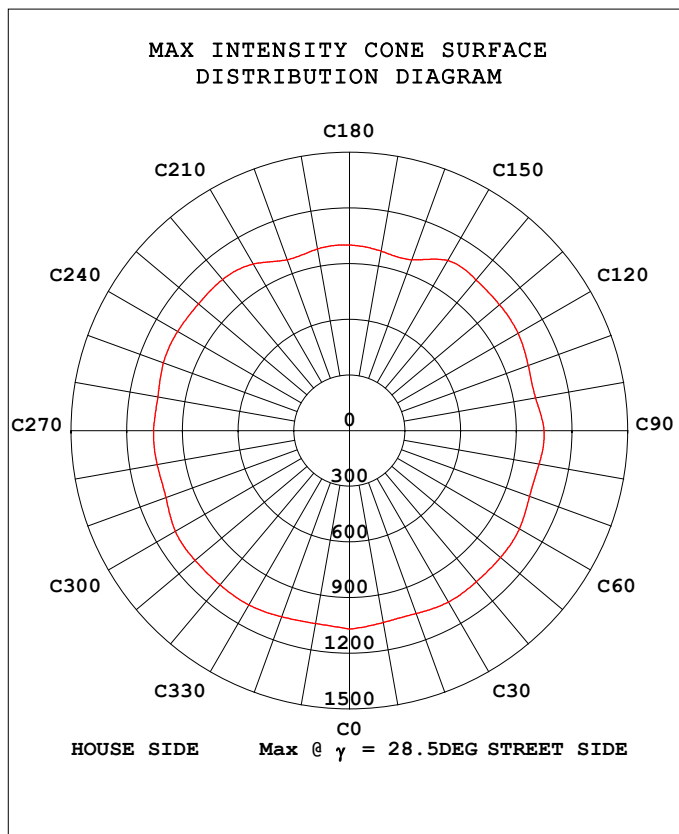
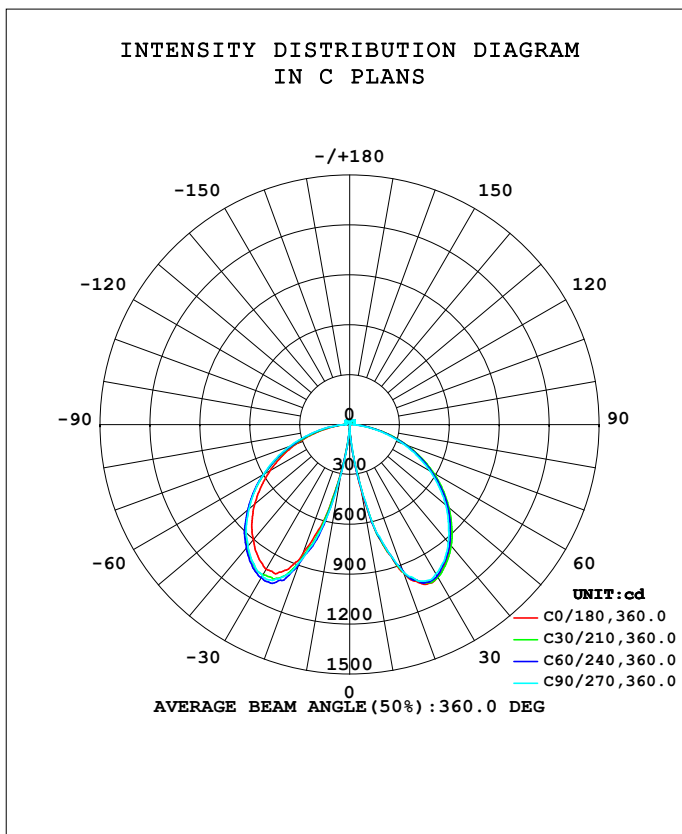


### STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: LED GARDEN LIGHT	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 117.95 lm/W
MODEL	DLW-LED-043C-3030-30W	I <sub>max</sub> (cd)	1087	η street_up (%)	2.5	
NOMINAL POWER (W)	30	LOR (%)	100.0	η street_down (%)	46.8	
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	3557	η house_up (%)	2.5	
NOMINAL FLUX (lm)	3557.1	MAXIMUM @ (C, γ )	310, 28.5	η house_down (%)	48.3	
LAMPS INSIDE	1	η up (%)	4.9	76 FLASHAREA (m2)	0.00100	
TEST VOLTAGE (V)	220	η down (%)	95.1	SLI	18.197	

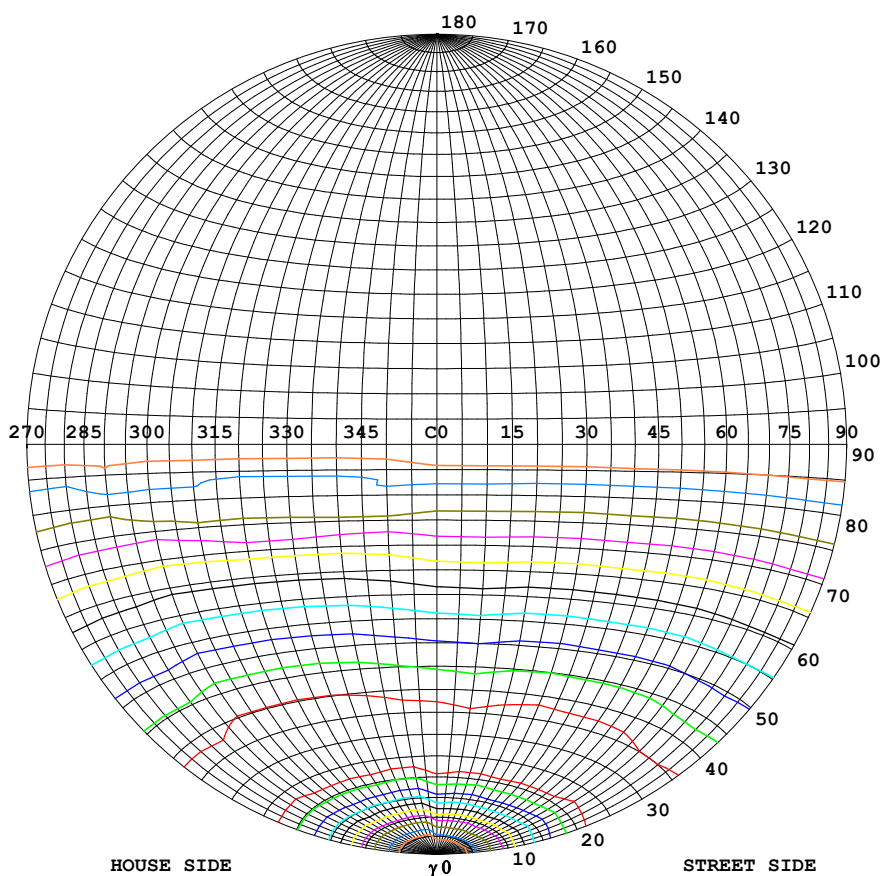


C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: DAMIN  
Test Date: 2023-11-16

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.464  
Humidity: 65.0%  
Test Distance: 9.780m [K=1.0000]  
Remarks:

# STREETLIGHT ISOCANDELA DIAGRAM

NAME: LED GARDEN LIGHT	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:



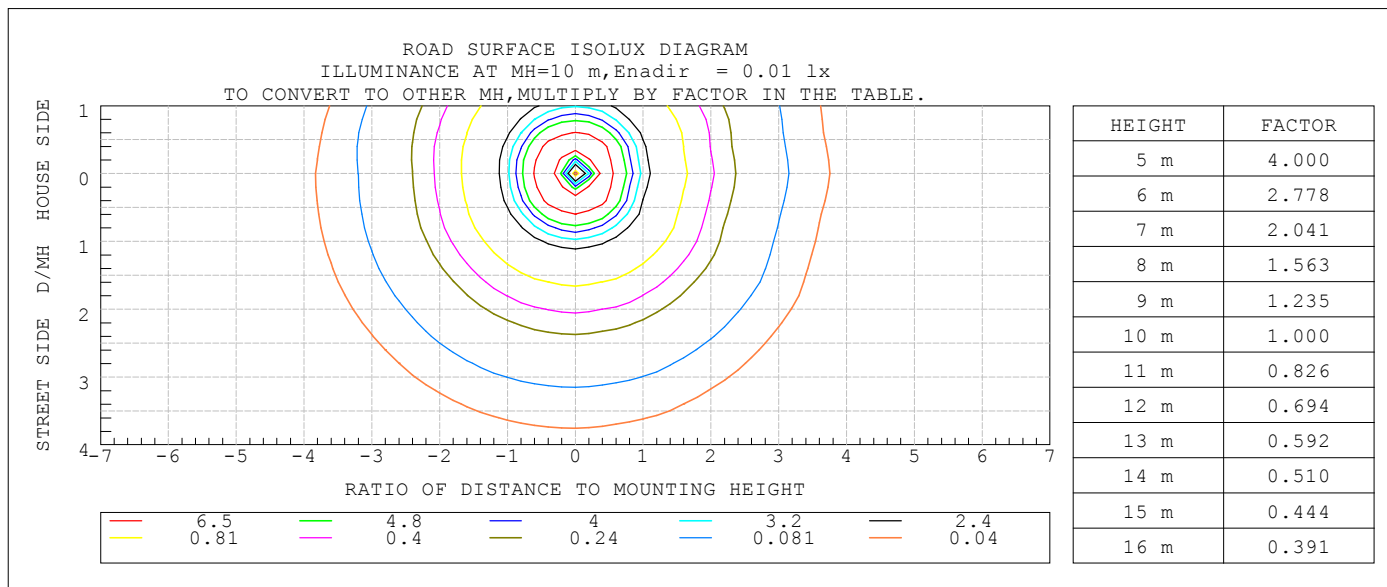
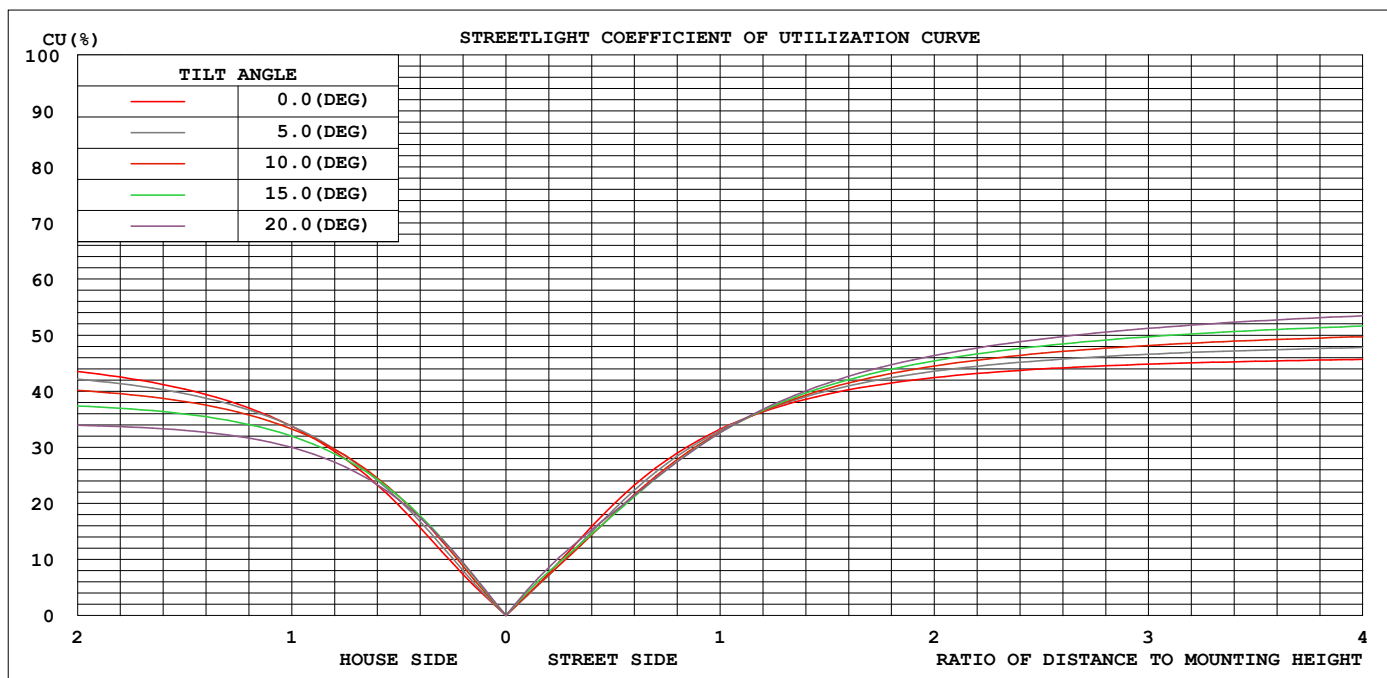
## Classification:

IES:Type V - Very Short  
 CIE:Narrow - Short  
 IES:Cut-off  
 CIE:Semi-cut-off  
 Max.At80:49.72cd/klm  
 Max.At90:7.992cd/klm  
 Max.80-90:49.72cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	1087
90%	978
80%	870
70%	761
60%	652
50%	544
40%	435
30%	326
20%	217
10%	109
5%	54

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3℃  
 Operators:DAMIN  
 Test Date:2023-11-16

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.464  
 Humidity:65.0%  
 Test Distance:9.780m [K=1.0000]  
 Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: DAMIN  
Test Date: 2023-11-16

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.464  
Humidity: 65.0%  
Test Distance: 9.780m [K=1.0000]  
Remarks:

### ZONAL FLUX DIAGRAM

NAME: LED GARDEN LIGHT	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

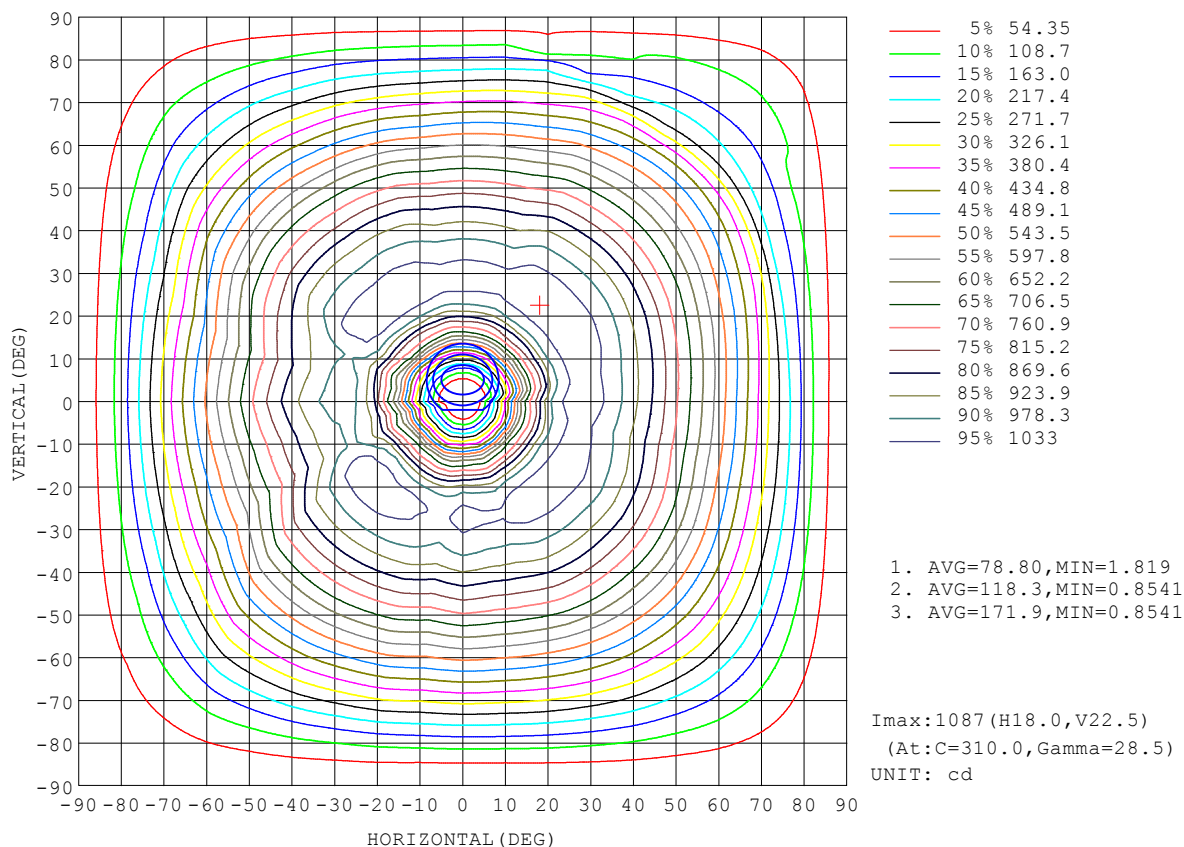
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	394.3	385.5	359.6	388.4	259.7	279.8	294.4	296.2	0- 10	15.03	15.03	0.42,0.42
20	947.5	949.0	941.4	951.8	833.6	882.6	875.8	893.1	10- 20	191.9	206.9	5.82,5.82
30	1060	1055	1038	1056	1004	1064	1050	1085	20- 30	469.0	675.9	19,19
40	940.1	941.6	923.5	933.6	903.5	960.3	952.6	982.1	30- 40	624.9	1301	36.6,36.6
50	766.7	773.8	755.4	763.3	745.9	793.2	791.6	811.3	40- 50	663.0	1964	55.2,55.2
60	574.8	577.2	557.1	565.3	551.7	590.1	598.3	622.3	50- 60	606.3	2570	72.3,72.3
70	363.7	363.6	344.4	346.6	342.8	365.0	384.0	395.0	60- 70	468.0	3038	85.4,85.4
80	150.1	149.4	135.9	133.9	136.1	161.3	171.5	146.5	70- 80	264.6	3303	92.8,92.8
90	24.60	25.57	25.31	26.01	23.73	28.09	27.27	27.51	80- 90	79.30	3382	95.1,95.1
100	23.59	24.45	24.44	24.97	22.72	24.14	25.14	24.56	90-100	26.75	3409	95.8,95.8
110	27.18	27.51	27.47	28.06	25.62	26.87	27.28	27.67	100-110	27.27	3436	96.6,96.6
120	30.56	31.12	31.24	31.66	29.06	30.05	31.17	31.33	110-120	28.88	3465	97.4,97.4
130	34.14	34.71	34.82	35.52	32.87	33.63	34.77	34.96	120-130	29.28	3494	98.2,98.2
140	37.26	36.03	37.83	37.55	36.30	36.38	37.51	37.44	130-140	27.86	3522	99,99
150	33.93	21.97	34.10	25.87	35.76	27.77	32.66	28.17	140-150	22.35	3544	99.6,99.6
160	15.39	8.120	11.49	8.144	20.00	5.671	17.45	7.246	150-160	10.49	3555	99.9,99.9
170	3.817	3.343	3.356	3.550	3.326	3.128	2.929	2.936	160-170	1.813	3557	100,100
180	2.933	2.973	2.946	3.038	2.919	2.950	2.906	3.000	170-180	0.3558	3557	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:DAMIN  
Test Date:2023-11-16

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.464  
Humidity:65.0%  
Test Distance:9.780m [K=1.0000]  
Remarks:

# ISOCANDELA DIAGRAM

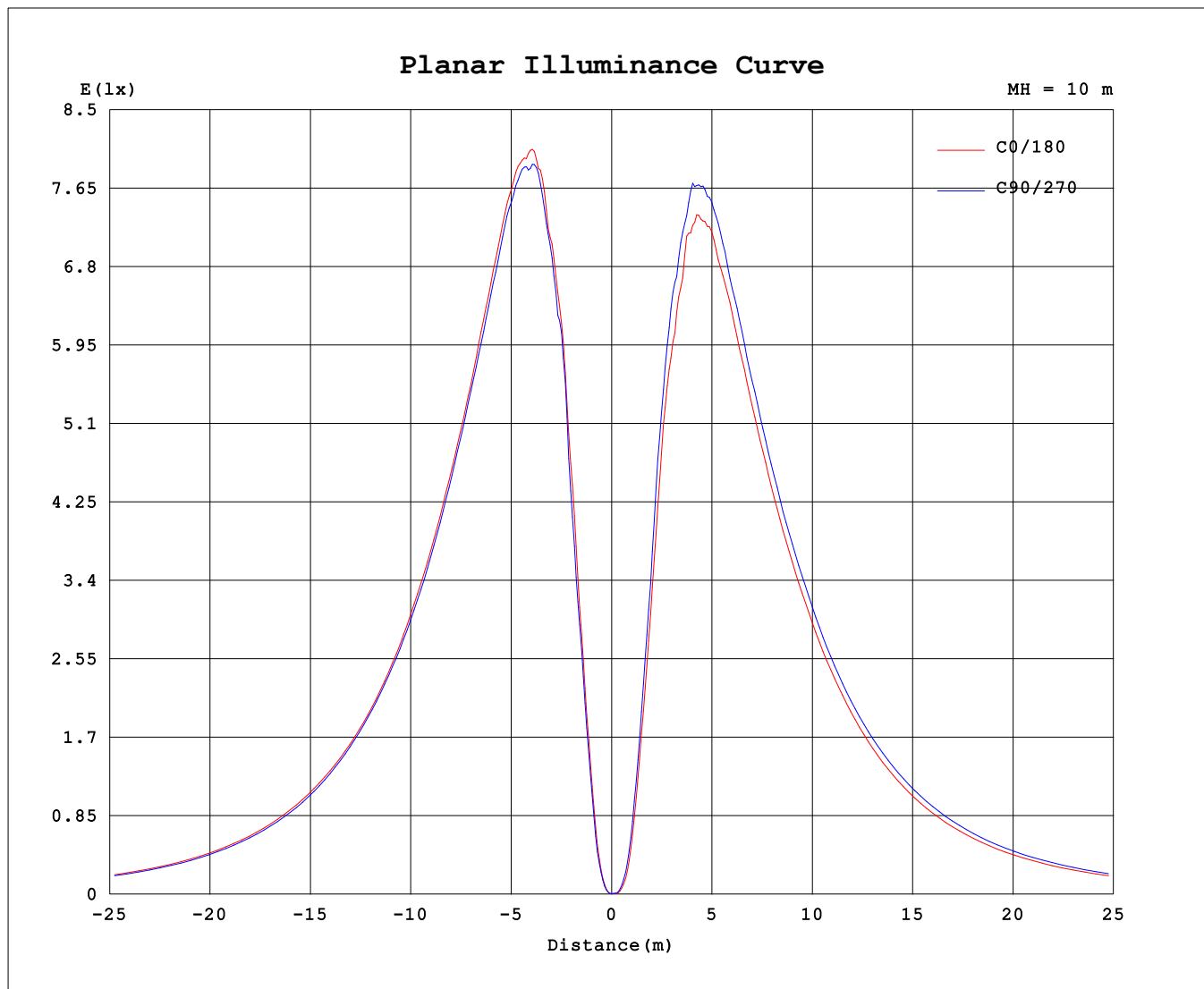
NAME: LED GARDEN LIGHT	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3℃  
 Operators:DAMIN  
 Test Date:2023-11-16

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.464  
 Humidity:65.0%  
 Test Distance:9.780m [K=1.0000]  
 Remarks:

## Planar Illuminance Curve

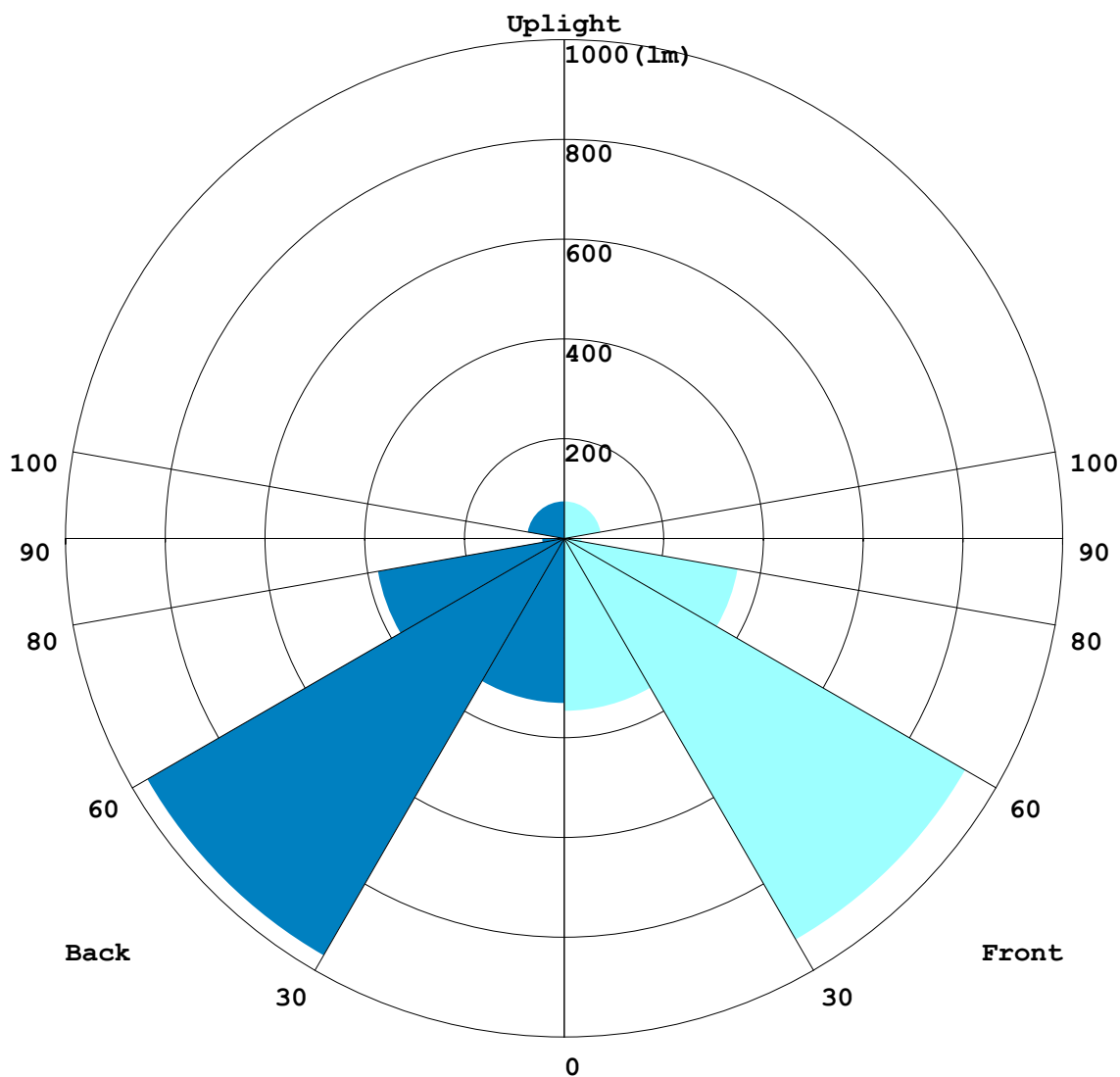


C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: DAMIN  
Test Date: 2023-11-16

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.464  
Humidity: 65.0%  
Test Distance: 9.780m [K=1.0000]  
Remarks:

**LCS REPORT**

NAME: LED GARDEN LIGHT	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

**LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH**


C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators: DAMIN  
 Test Date: 2023-11-16

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.464  
 Humidity: 65.0%  
 Test Distance: 9.780m [K=1.0000]  
 Remarks:

### BUG REPORT

NAME: LED GARDEN LIGHT	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	345.68	9.7
FM - Front-Medium(30-60)	928.75	26.1
FH - Front-High(60-80)	353.68	9.9
FVH - Front-Very High(80-90)	35.233	1.0
Total Forward Light	1750.8	49.2

BL - Back-Low(0-30)	330.22	9.3
BM - Back-Medium(30-60)	965.44	27.1
BH - Back-High(60-80)	378.98	10.7
BVH - Back-Very High(80-90)	44.067	1.2
Total Back Light	1806.3	50.8

UL - Uplight-Low(90-100)	26.753	0.8
UH - Uplight-High(100-180)	148.29	4.2
Total Up Light	175.04	4.9

BUG(Back,Up,Glare) Rating	B1-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1718.7	87.558	1806.3
Street Side	1663.3	87.486	1750.8

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:DAMIN  
Test Date:2023-11-16

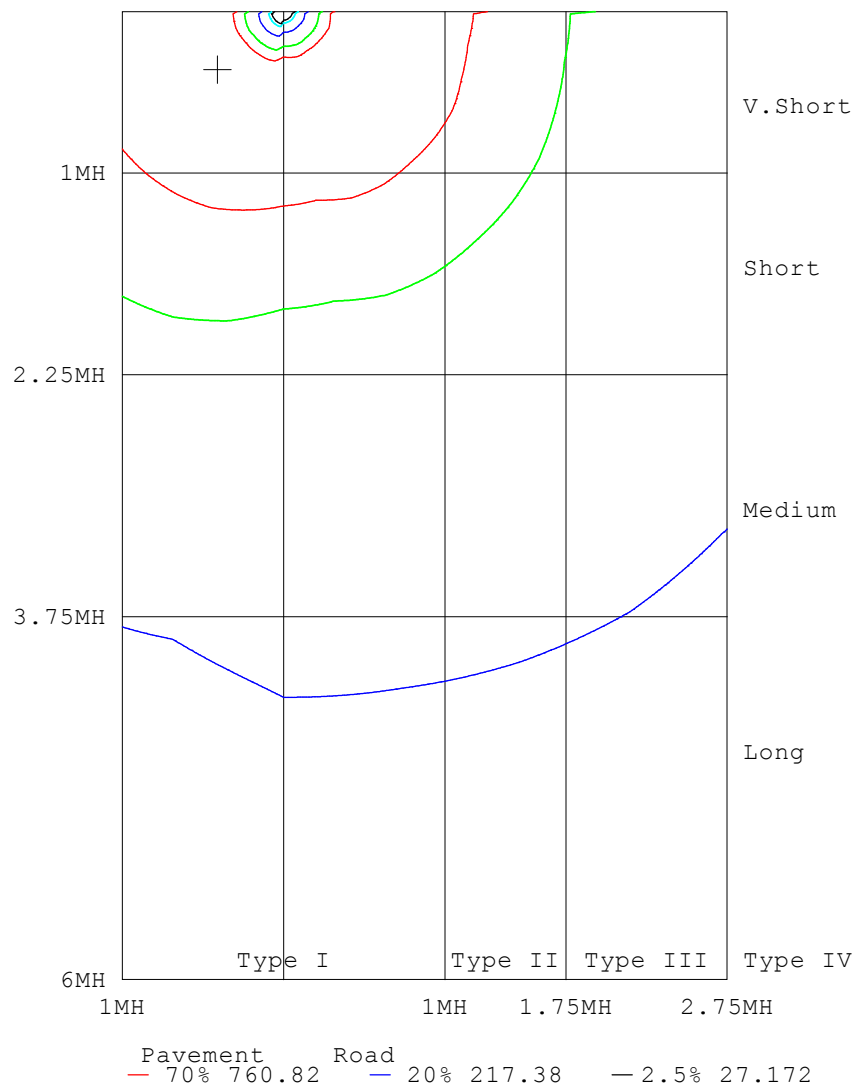
γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.464  
Humidity:65.0%  
Test Distance:9.780m [K=1.0000]  
Remarks:



ROAD ISOCANDELA REPORT

NAME: LED GARDEN LIGHT	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: DAMIN  
Test Date: 2023-11-16

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.464  
Humidity: 65.0%  
Test Distance: 9.780m [K=1.0000]  
Remarks:

### LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: LED GARDEN LIGHT	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding 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	0.85	0.84	0.84	0.86	0.84	0.84	0.84	0.86	0.88	0.91	0.94	1.05	1.09	1.21	1.31	1.50	1.77	1.84	0.85
5	95.6	92.9	96.4	92.8	96.0	90.7	90.2	85.4	87.0	85.4	90.3	87.5	92.3	89.7	95.4	90.4	91.3	86.6	36.9
10	394	378	377	367	388	383	370	357	371	360	363	345	365	385	392	362	340	347	260
15	723	712	707	722	740	724	714	689	708	696	688	686	718	734	725	700	663	659	586
20	948	931	923	944	948	950	935	910	926	941	912	909	929	940	963	941	870	876	834
25	1059	1032	1038	1047	1051	1053	1052	1019	1026	1039	1010	1023	1043	1042	1056	1039	959	973	979
30	1060	1039	1047	1060	1056	1054	1052	1030	1025	1038	1008	1023	1042	1052	1059	1053	972	975	1004
35	1007	989	1003	1015	1008	1005	1001	979	978	994	966	986	1000	1004	1005	1001	923	931	964
40	940	923	943	950	943	940	936	916	911	923	901	923	928	933	934	933	853	866	903
45	858	845	863	869	863	860	855	838	831	841	822	844	848	851	853	852	774	788	832
50	767	759	777	780	774	773	769	755	748	755	736	757	760	763	764	763	690	705	746
55	674	666	684	685	679	678	673	661	653	658	641	663	664	667	667	666	601	612	650
60	575	568	582	584	578	576	570	561	554	557	546	565	564	566	565	565	511	519	552
65	471	466	477	477	472	470	466	457	451	451	443	456	455	457	456	457	416	421	449
70	364	362	368	369	364	364	358	351	344	344	338	348	345	348	346	349	318	319	343
75	256	255	257	259	254	254	248	243	236	236	232	239	235	238	236	239	218	215	236
80	150	150	154	153	150	149	145	141	137	136	133	136	134	135	133	135	124	118	136
85	65.0	64.4	65.2	64.6	61.6	60.4	57.1	54.2	51.0	51.0	50.1	52.8	52.2	53.3	52.3	53.3	50.4	50.5	64.6
90	24.6	25.1	25.6	25.8	25.7	25.5	26.1	25.9	25.6	25.3	25.8	26.0	26.1	26.1	26.0	25.6	25.6	25.1	23.7
95	23.2	23.5	23.4	23.7	23.4	23.8	24.1	24.1	23.8	23.5	23.9	24.2	24.2	24.2	24.8	24.3	24.5	24.3	22.8
100	23.6	24.0	23.9	24.1	24.1	24.8	25.1	25.1	24.9	24.4	25.2	25.6	25.3	24.8	25.1	24.6	24.2	24.0	22.7
105	25.3	25.5	25.4	25.6	25.7	26.0	26.1	26.3	26.2	25.9	26.3	26.3	26.2	26.3	26.7	26.1	25.9	25.3	23.7
110	27.2	27.4	27.2	27.2	27.4	27.6	27.8	27.9	27.7	27.5	27.8	28.0	28.0	28.0	28.1	27.5	27.5	27.4	25.6
115	28.9	29.1	28.9	29.0	29.2	29.4	29.4	29.6	29.6	29.5	29.7	29.9	29.7	29.8	29.9	29.0	28.7	28.5	27.5
120	30.6	30.8	30.7	30.8	31.0	31.3	31.2	31.3	31.3	31.2	31.5	31.6	31.8	31.7	31.6	30.7	30.3	30.0	29.1
125	32.4	32.5	32.5	32.6	32.8	33.2	33.1	33.0	33.1	33.1	33.2	33.5	33.7	33.8	33.5	32.6	32.1	31.7	30.8
130	34.1	34.2	34.3	34.3	34.5	34.9	34.8	34.7	34.8	34.8	34.9	35.2	35.4	35.7	35.4	34.5	33.6	33.8	32.9
135	36.0	36.0	35.9	35.9	35.8	36.3	36.4	36.3	36.4	36.5	36.5	36.7	36.9	37.2	37.0	36.3	35.7	35.4	34.7
140	37.3	37.1	36.9	36.3	35.8	36.2	37.5	37.5	37.7	37.8	37.7	37.7	37.7	37.6	37.5	37.6	36.9	36.9	36.3
145	36.9	36.4	36.2	33.8	30.9	32.7	36.6	37.0	37.3	37.4	37.2	37.1	36.5	34.5	35.3	37.0	36.9	36.9	37.0
150	33.9	32.0	30.3	26.2	20.9	23.0	30.7	34.4	34.5	34.1	34.9	34.0	28.1	25.1	26.6	33.9	34.5	35.1	35.8
155	25.7	22.8	20.2	15.7	11.6	14.6	22.9	24.8	24.5	23.8	25.2	24.8	20.5	12.7	17.2	23.2	25.7	28.1	31.6
160	15.4	12.8	10.8	8.19	7.46	8.78	10.3	11.8	11.9	11.5	12.5	11.5	9.92	8.68	7.61	12.1	15.3	17.4	20.0
165	5.90	5.39	4.85	3.67	2.84	3.93	4.59	4.84	4.48	4.24	4.75	4.95	4.78	3.65	3.22	4.21	4.83	5.14	6.90
170	3.82	4.19	4.14	3.56	3.20	3.48	4.02	3.94	3.52	3.36	3.71	4.25	4.15	3.63	3.47	3.91	4.36	4.16	3.33
175	3.83	3.76	3.66	3.45	3.34	3.24	3.33	3.37	3.48	3.52	3.54	3.47	3.46	3.43	3.60	3.72	3.89	3.95	4.50
180	2.93	2.93	2.94	2.93	2.97	2.97	2.95	2.94	2.95	2.95	2.97	2.96	3.03	3.02	3.05	3.02	3.02	3.01	2.92

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:DAMIN  
Test Date:2023-11-16

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.464  
Humidity:65.0%  
Test Distance:9.780m [K=1.0000]  
Remarks:

### LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: LED GARDEN LIGHT	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--2

UNIT: cd

$\gamma$ (DEG) \ C (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	0.84	0.84	0.86	0.84	0.84	0.84	0.86	0.88	0.91	0.94	1.05	1.09	1.21	1.31	1.50	1.77	1.84		
5	38.9	36.8	41.0	40.2	43.8	43.4	46.1	44.6	47.6	44.8	47.7	45.4	47.1	44.2	45.0	41.3	41.8		
10	279	270	273	273	287	285	288	287	294	287	292	289	297	296	298	285	287		
15	618	587	605	651	663	655	647	627	635	631	630	638	651	644	649	634	634		
20	831	809	873	879	886	890	888	873	876	880	880	890	896	891	894	876	875		
25	979	963	1020	1042	1047	1045	1036	1016	1025	1019	1017	1033	1043	1034	1037	1027	1021		
30	991	976	1042	1067	1061	1063	1066	1047	1050	1053	1050	1077	1086	1085	1082	1067	1055		
35	942	951	1016	1021	1021	1028	1026	1007	1013	1010	1008	1041	1040	1039	1041	1029	1012		
40	876	908	957	961	960	966	965	946	953	951	949	983	981	983	981	968	951		
45	800	845	886	888	887	894	895	876	880	878	878	907	905	905	904	894	875		
50	716	768	794	794	792	800	803	787	792	790	790	813	811	812	810	804	785		
55	626	682	699	700	698	704	706	692	698	698	701	721	719	720	719	713	694		
60	530	582	592	591	589	596	600	592	598	602	605	623	622	623	622	617	600		
65	429	474	478	479	478	485	488	483	494	500	504	519	517	518	517	514	499		
70	326	362	362	365	365	374	378	378	384	394	397	409	405	385	389	402	393		
75	223	247	248	254	257	265	267	267	273	282	287	283	240	235	231	234	242		
80	132	149	153	159	164	170	171	169	172	177	176	142	149	144	138	145	143		
85	62.4	65.3	66.7	69.7	71.1	75.6	77.5	78.1	79.7	84.2	60.1	84.1	88.1	90.3	89.7	89.6	81.6		
90	24.2	25.1	26.8	27.9	28.3	28.4	28.1	28.2	27.3	27.2	26.0	27.1	27.1	27.9	27.8	28.2	27.4		
95	23.3	23.8	25.2	24.3	23.9	24.4	24.3	24.4	24.5	23.7	24.0	24.0	24.0	24.0	24.2	24.1	24.4		
100	22.4	22.3	23.1	23.6	24.7	26.1	25.7	25.8	25.1	25.3	24.8	25.2	24.6	24.5	24.5	24.3	24.3		
105	23.8	23.7	24.4	24.9	25.3	25.8	26.2	26.7	26.2	26.1	26.1	26.1	25.8	25.9	25.9	25.7	25.7		
110	25.6	25.5	25.9	26.5	27.2	27.5	27.5	27.6	27.3	27.5	27.7	27.8	27.7	27.7	27.6	27.5	27.6		
115	27.3	27.3	27.6	28.0	28.8	29.3	29.6	29.8	29.5	29.6	29.6	29.6	29.5	29.5	29.4	29.3	29.4		
120	29.1	29.1	29.3	29.6	30.4	30.9	31.4	31.5	31.2	31.3	31.4	31.4	31.2	31.4	31.2	31.1	31.0		
125	30.8	31.0	31.0	31.4	32.3	32.7	33.1	33.3	33.0	33.1	33.2	33.2	33.0	33.2	33.0	32.9	32.8		
130	32.7	32.7	32.8	33.2	34.0	34.5	34.8	34.9	34.8	34.9	34.9	34.9	34.9	35.1	34.9	34.7	34.6		
135	34.9	34.7	34.5	35.0	35.7	36.1	36.3	36.4	36.5	36.7	36.6	36.6	36.5	36.8	36.7	36.5	36.4		
140	36.3	35.9	35.9	36.2	36.6	36.8	36.8	37.2	37.5	37.8	37.8	37.6	37.3	37.6	37.8	37.8	37.8		
145	36.7	36.3	35.4	35.7	34.3	34.8	35.3	35.6	36.4	37.3	37.6	36.9	35.9	35.5	36.8	37.6	37.5		
150	35.2	34.4	31.6	28.8	26.7	30.4	31.0	31.5	32.7	33.2	35.0	32.1	27.7	28.6	31.0	33.7	35.2		
155	29.0	26.2	20.2	16.6	16.9	24.0	25.9	26.4	25.0	24.0	25.1	22.0	16.4	15.5	20.3	25.0	26.4		
160	17.5	15.1	9.12	4.24	7.10	13.2	17.4	18.3	17.4	18.6	15.4	11.7	7.70	6.79	10.6	12.7	15.3		
165	5.41	4.64	3.45	2.61	3.45	4.26	6.02	5.96	5.44	5.78	5.83	4.47	3.45	3.81	5.16	5.64	6.50		
170	3.52	3.41	2.91	3.03	3.23	3.59	3.19	2.93	2.93	3.00	3.42	3.41	2.91	2.96	3.12	3.66	3.81		
175	4.37	4.01	3.76	3.55	3.68	3.80	4.02	4.11	4.12	3.90	3.69	3.46	3.43	3.60	3.98	4.32	4.57		
180	2.91	2.91	2.97	2.97	2.93	2.93	2.89	2.91	2.91	2.93	2.95	2.97	2.99	3.01	2.97	2.97	2.95		

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:DAMIN

Test Date:2023-11-16

 $\gamma$  Range: 0 - 180DEG

 $\gamma$  Interval: 0.5DEG

Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.464

Humidity:65.0%

Test Distance:9.780m [K=1.0000]

Remarks: