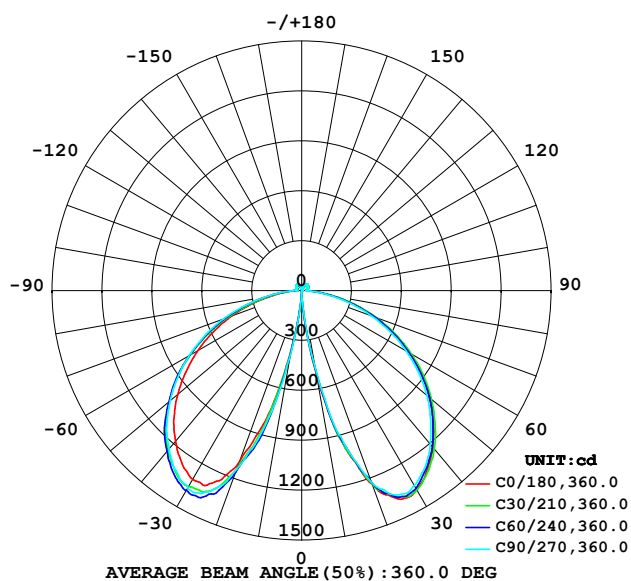
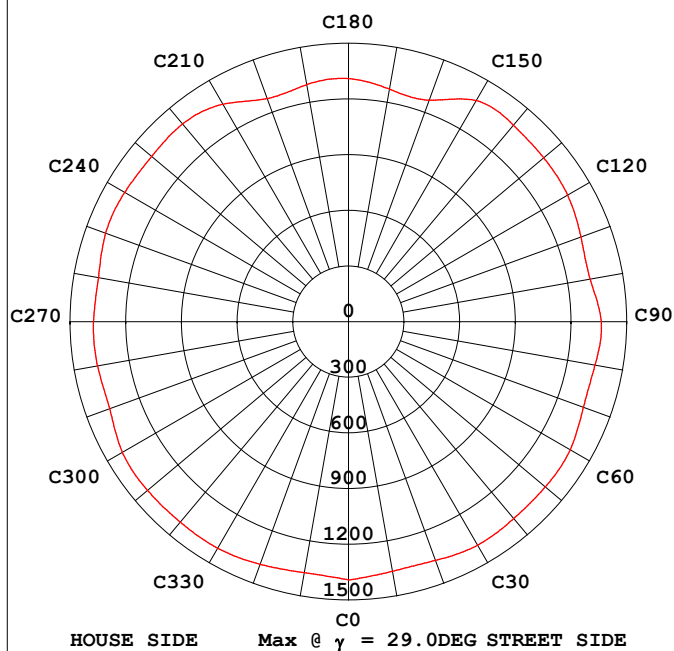


STREETLIGHT PHOTOMETRIC TEST REPORT

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

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 113.18 lm/W
MODEL	DLW-LED-043C-3030-40W	I _{max} (cd)	1414	η street_up (%)	2.5	
NOMINAL POWER (W)	40	LOR (%)	100.0	η street_down (%)	46.8	
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	4635	η house_up (%)	2.5	
NOMINAL FLUX (lm)	4634.95	MAXIMUM @ (C, γ)	310, 29.0	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	18.575	

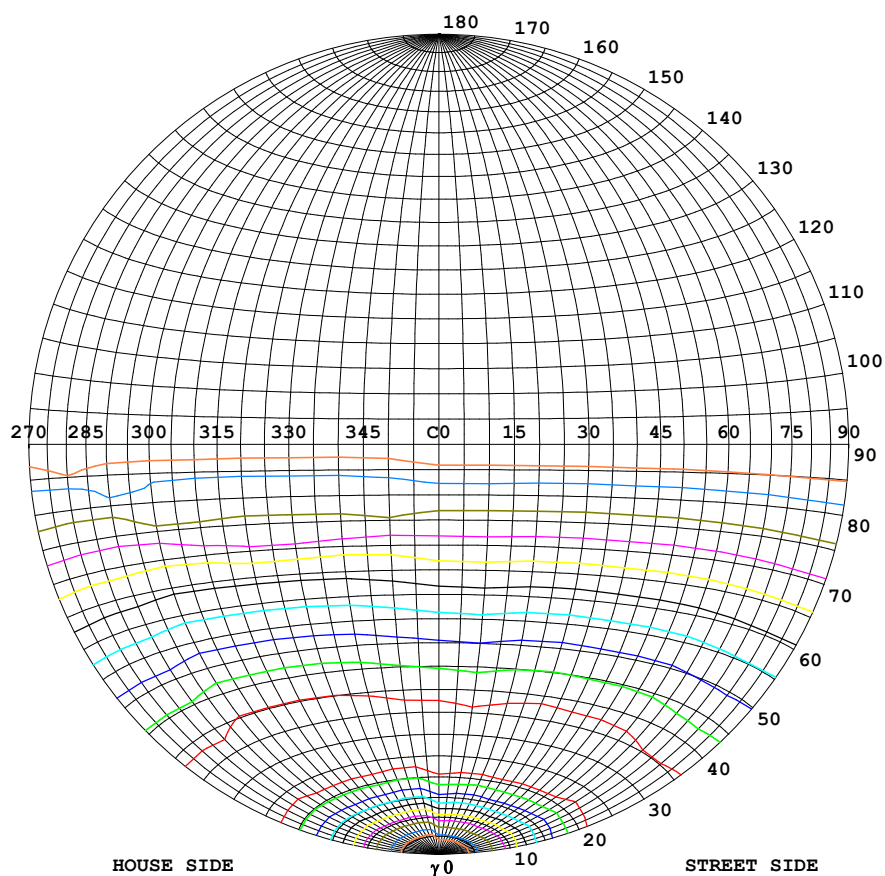
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:

STREETLIGHT ISOCANDELA DIAGRAM

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



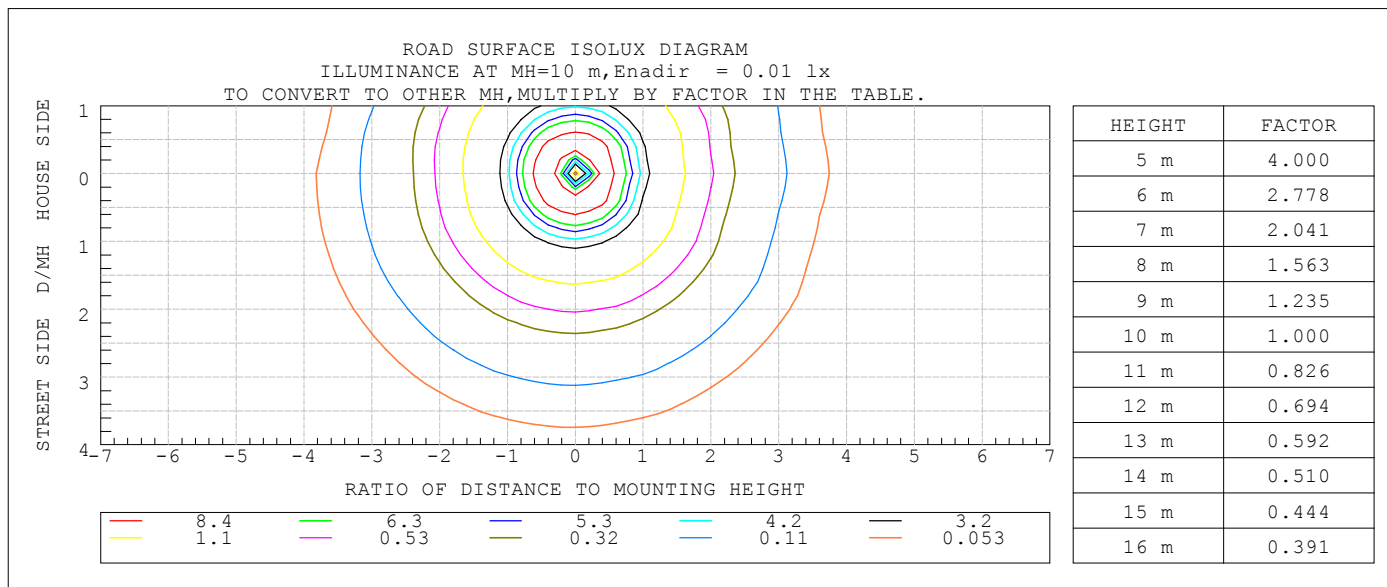
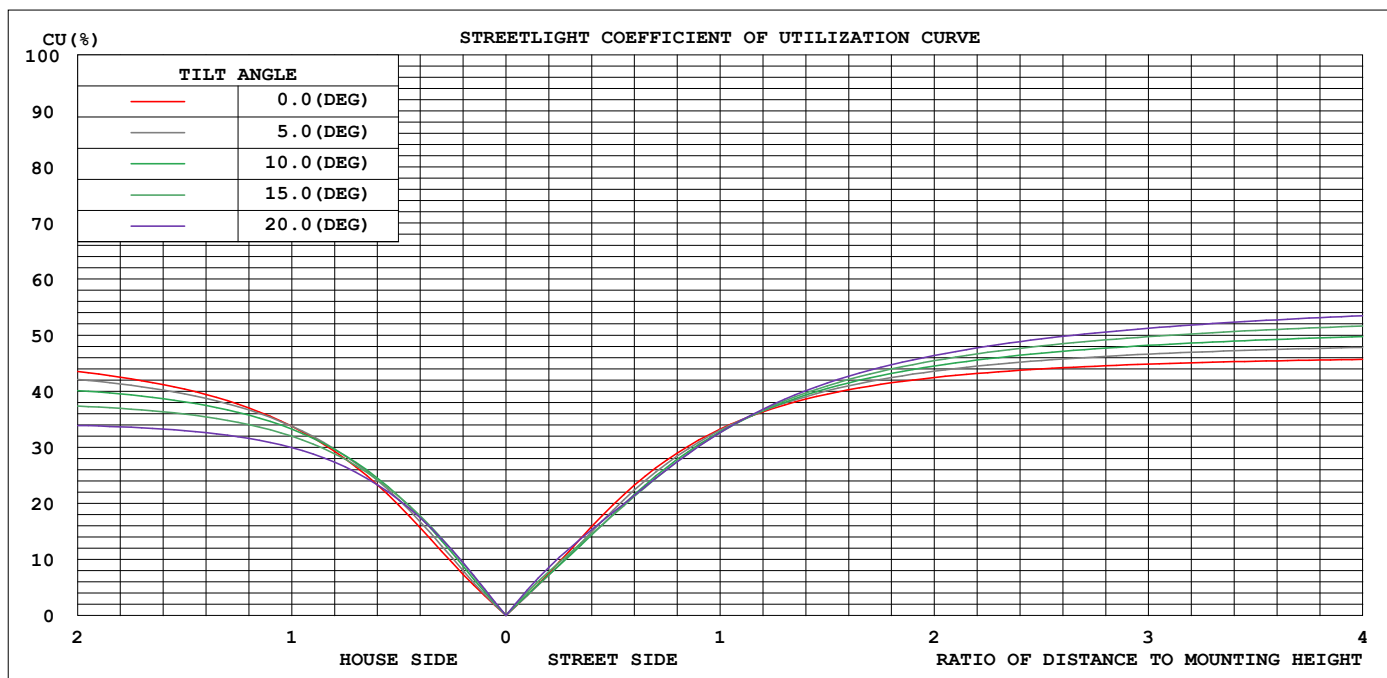
Classification:

IES:Type V - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:50.04cd/klm
 Max.At90:8.117cd/klm
 Max.80-90:50.04cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	1414
90%	1273
80%	1131
70%	990
60%	848
50%	707
40%	566
30%	424
20%	283
10%	141
5%	71

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

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:

ZONAL FLUX DIAGRAM

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

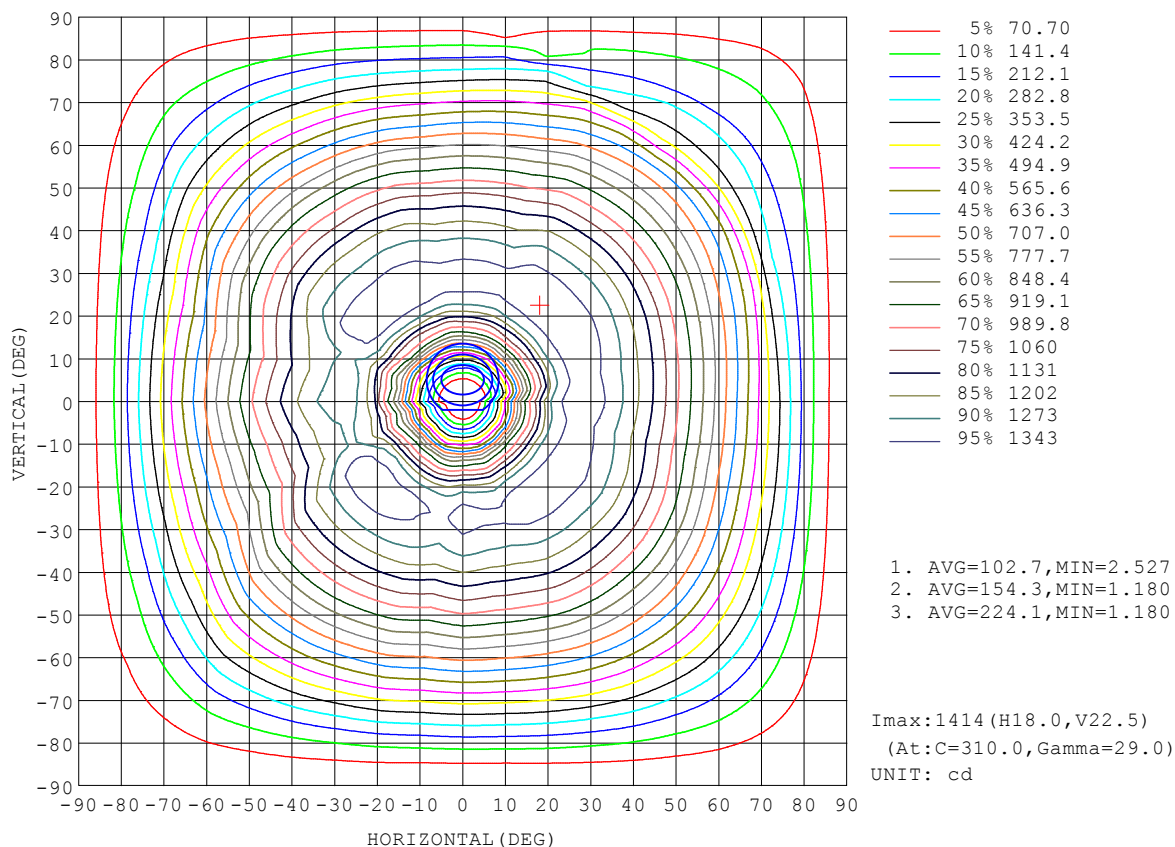
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	511.9	499.8	469.9	504.1	339.8	366.9	386.0	386.9	0- 10	19.58	19.58	0.42,0.42
20	1238	1239	1227	1238	1089	1152	1142	1163	10- 20	250.1	269.7	5.82,5.82
30	1384	1378	1353	1373	1311	1388	1369	1411	20- 30	611.3	881.0	19,19
40	1227	1229	1203	1214	1180	1253	1241	1277	30- 40	814.3	1695	36.6,36.6
50	1002	1010	984.1	992.4	973.7	1035	1032	1056	40- 50	864.0	2559	55.2,55.2
60	751.1	754.2	725.2	734.6	719.8	769.8	780.4	810.4	50- 60	790.3	3350	72.3,72.3
70	475.7	475.2	448.1	450.7	446.6	476.3	501.3	479.8	60- 70	609.2	3959	85.4,85.4
80	196.1	196.3	177.2	173.4	178.3	210.6	223.8	194.1	70- 80	343.2	4302	92.8,92.8
90	32.14	33.37	33.03	33.87	31.09	36.81	33.05	36.59	80- 90	104.7	4407	95.1,95.1
100	30.83	31.91	31.86	32.50	29.65	31.61	32.84	32.01	90-100	34.84	4441	95.8,95.8
110	35.52	35.93	35.81	36.53	33.46	35.09	35.57	36.05	100-110	35.56	4477	96.6,96.6
120	39.95	40.64	40.74	41.22	37.95	39.24	40.65	40.78	110-120	37.66	4515	97.4,97.4
130	44.63	45.32	45.40	46.24	42.97	43.91	45.33	45.52	120-130	38.19	4553	98.2,98.2
140	48.74	47.06	49.36	48.93	47.45	47.52	49.01	48.78	130-140	36.34	4589	99,99
150	44.34	28.75	44.50	33.68	46.78	36.32	42.66	36.71	140-150	29.17	4618	99.6,99.6
160	20.19	10.63	14.89	10.66	26.19	7.483	23.09	9.537	150-160	13.68	4632	99.9,99.9
170	5.042	4.400	4.421	4.661	4.389	4.134	3.857	3.894	160-170	2.378	4634	100,100
180	3.861	3.915	3.894	4.016	3.854	3.894	3.847	3.989	170-180	0.4689	4635	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

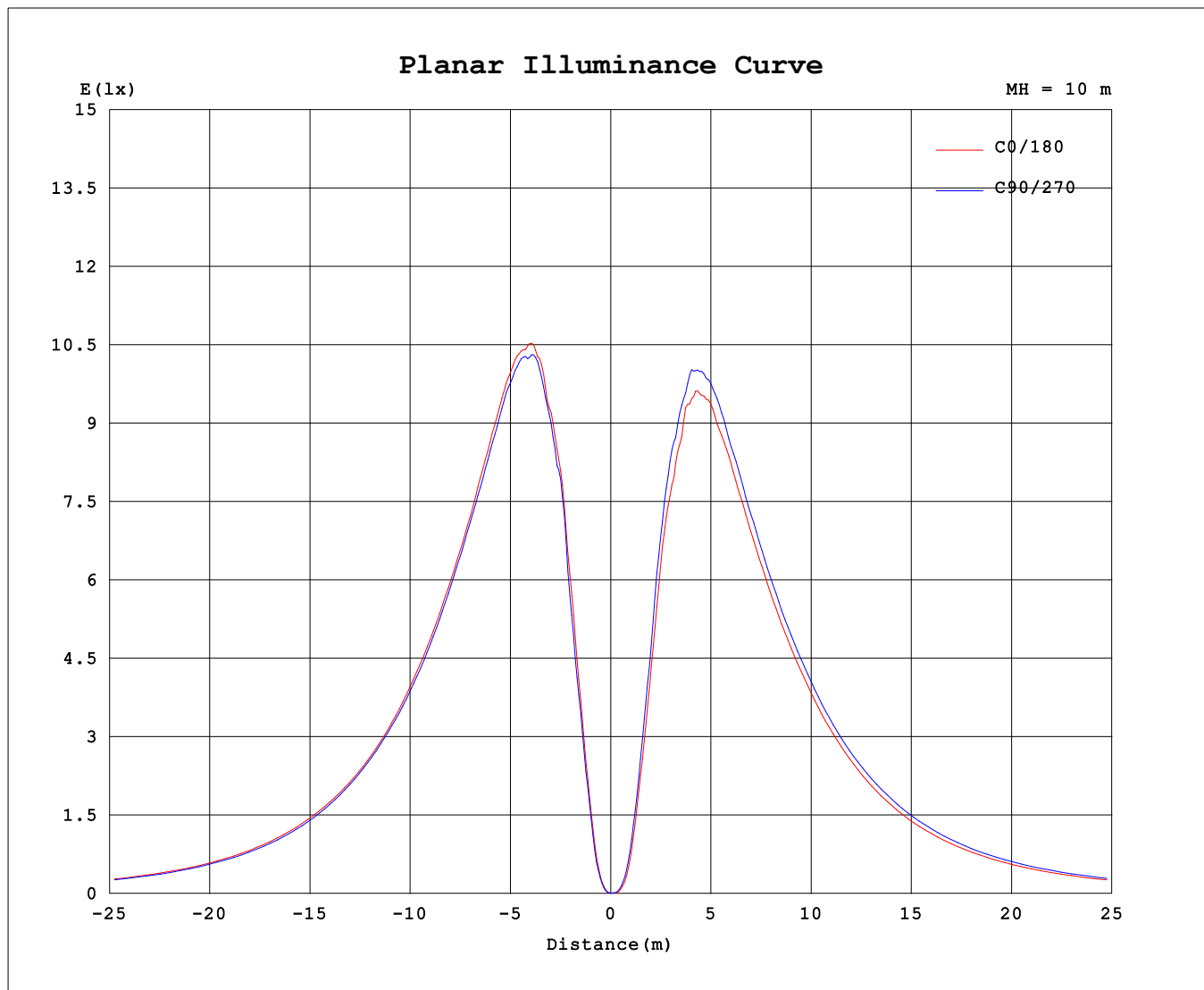
NAME: LED GARDEN LIGHT	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.: EVERFINE	SUR.:	Shielding Angle:



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



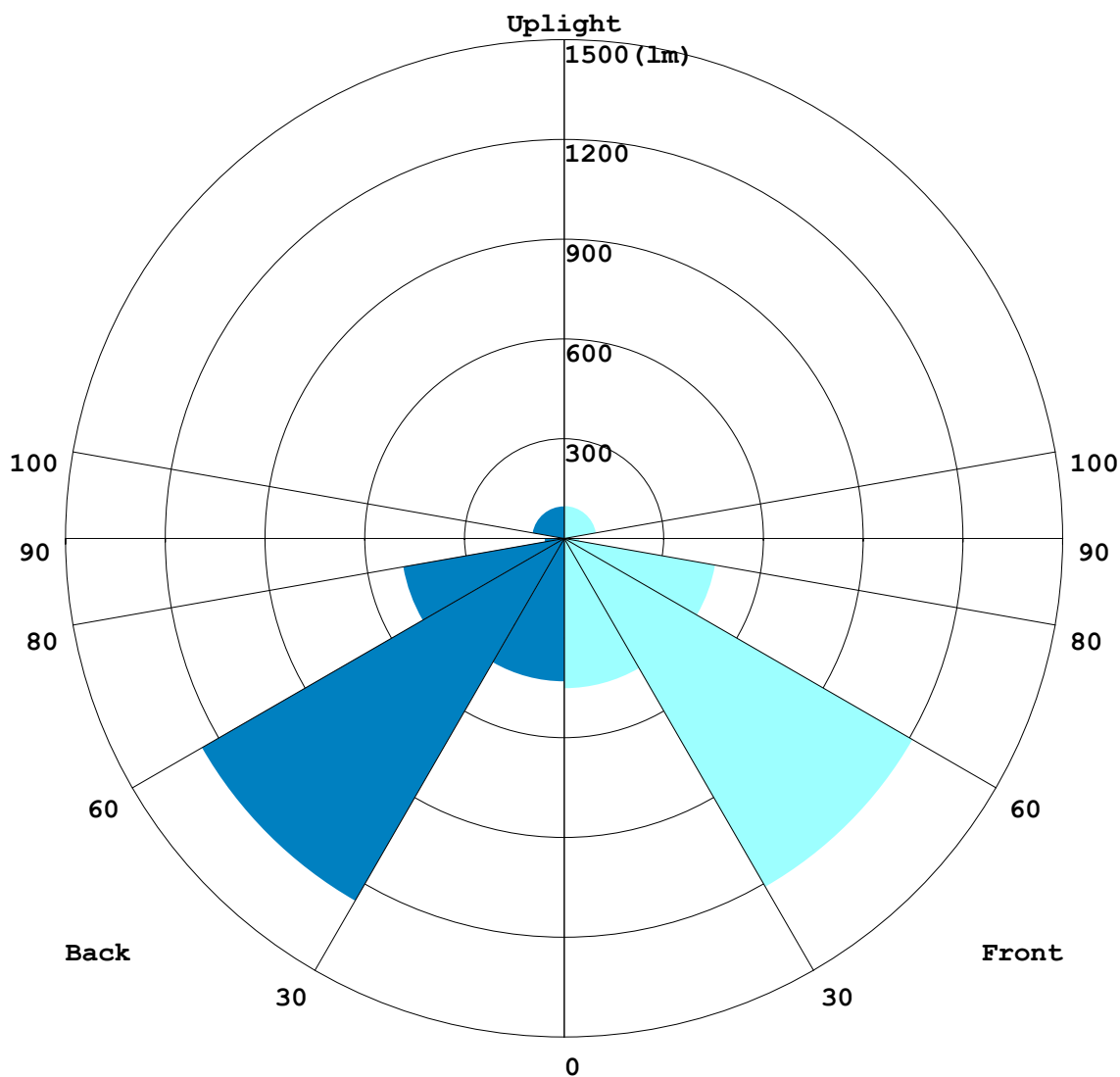
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators: DAMIN
 Test Date: 2023-11-16

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:

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℃
 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)	450.62	9.7
FM - Front-Medium(30-60)	1210.4	26.1
FH - Front-High(60-80)	461.11	9.9
FVH - Front-Very High(80-90)	46.168	1.0
Total Forward Light	2282.4	49.2

BL - Back-Low(0-30)	430.38	9.3
BM - Back-Medium(30-60)	1258.3	27.1
BH - Back-High(60-80)	491.27	10.6
BVH - Back-Very High(80-90)	58.501	1.3
Total Back Light	2352.6	50.8

UL - Uplight-Low(90-100)	34.842	0.8
UH - Uplight-High(100-180)	193.45	4.2
Total Up Light	228.29	4.9

BUG(Back,Up,Glare) Rating	B2-U3-G1
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2238.4	114.18	2352.6
Street Side	2168.3	114.11	2282.4

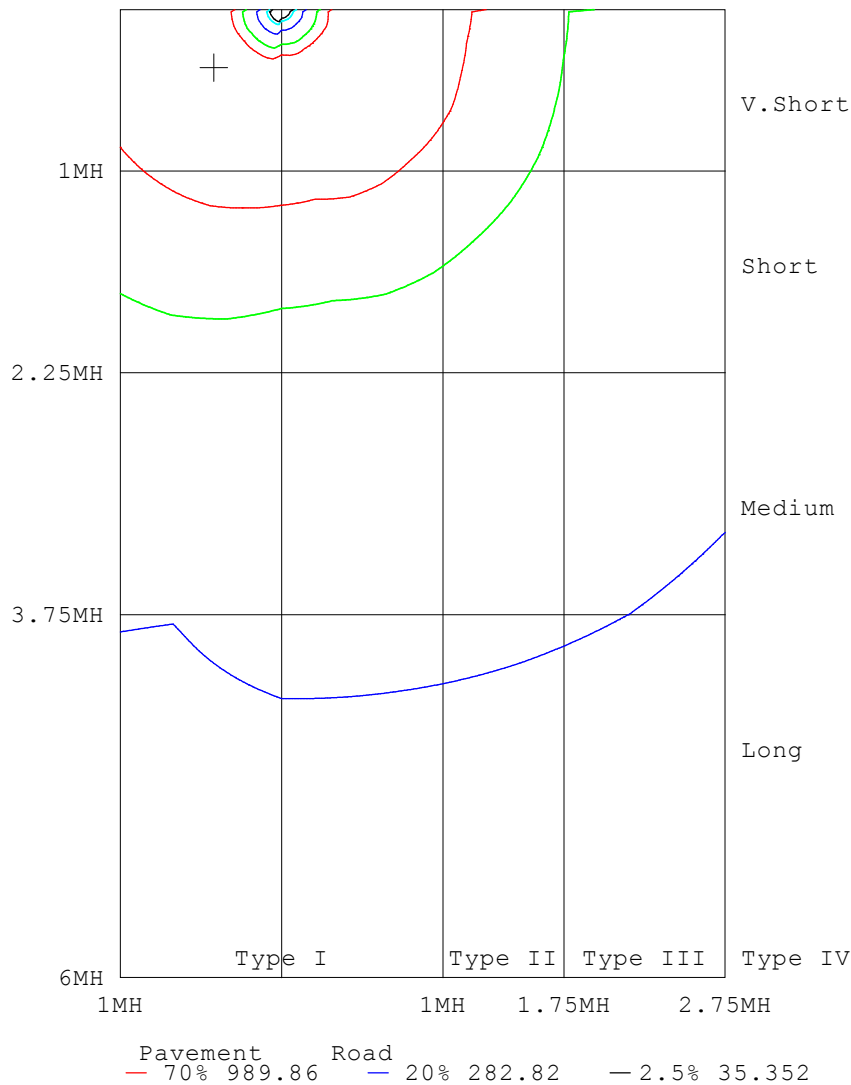
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2023-11-16

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	1.18	1.19	1.17	1.20	1.18	1.19	1.19	1.22	1.23	1.32	1.38	1.48	1.53	1.70	1.87	2.06	2.43	2.53	1.18
5	124	121	125	121	124	118	117	112	113	111	118	114	120	117	124	118	119	113	48.4
10	512	493	496	479	502	498	482	466	484	470	473	451	475	501	507	471	442	451	340
15	944	930	924	944	966	944	932	899	923	909	898	894	935	954	945	912	863	857	766
20	1238	1216	1206	1233	1238	1239	1220	1188	1208	1227	1189	1184	1209	1225	1252	1223	1131	1138	1089
25	1383	1348	1356	1367	1372	1375	1373	1329	1338	1355	1316	1332	1358	1357	1374	1351	1247	1264	1279
30	1384	1357	1367	1385	1379	1377	1374	1344	1337	1353	1314	1333	1357	1369	1378	1369	1263	1267	1311
35	1315	1292	1310	1325	1316	1313	1306	1278	1276	1294	1259	1284	1301	1306	1307	1301	1199	1209	1260
40	1227	1206	1231	1241	1231	1228	1222	1196	1188	1203	1174	1201	1207	1213	1214	1212	1108	1124	1180
45	1120	1104	1127	1134	1126	1123	1116	1094	1084	1096	1071	1098	1103	1107	1109	1106	1006	1023	1086
50	1002	991	1014	1019	1011	1009	1004	985	975	984	958	985	988	992	993	992	897	916	974
55	880	871	893	895	887	885	880	863	853	857	836	863	864	868	867	865	780	796	848
60	751	743	761	763	756	753	745	732	722	725	711	734	733	736	734	733	664	675	720
65	616	609	623	624	617	614	608	598	589	588	577	594	592	595	593	594	540	546	585
70	476	472	482	482	476	475	469	458	449	448	440	452	450	451	450	453	413	414	447
75	335	334	338	339	333	332	325	318	309	308	302	311	306	308	306	309	283	279	308
80	196	197	202	201	197	196	190	185	179	177	173	176	174	174	172	174	160	153	178
85	85.7	85.5	86.6	85.9	81.8	80.2	76.1	72.1	67.4	67.1	65.5	69.0	67.9	69.2	67.8	69.1	65.2	65.6	84.5
90	32.1	32.8	33.4	33.7	33.5	33.3	34.1	33.7	33.4	33.0	33.6	33.9	33.9	34.0	33.8	33.3	33.3	32.6	31.1
95	30.2	30.7	30.6	30.9	30.6	31.1	31.4	31.4	31.0	30.7	31.2	31.5	31.6	31.5	32.4	31.7	32.0	31.7	29.9
100	30.8	31.3	31.3	31.5	31.4	32.4	32.7	32.8	32.5	31.9	32.8	33.3	33.0	32.3	32.7	32.1	31.6	31.2	29.7
105	33.0	33.3	33.2	33.4	33.5	33.9	34.1	34.3	34.1	33.7	34.2	34.3	34.2	34.2	34.7	33.9	33.8	32.9	31.0
110	35.5	35.8	35.5	35.6	35.8	36.1	36.3	36.4	36.2	35.8	36.3	36.5	36.5	36.4	36.6	35.8	35.8	35.6	33.5
115	37.7	38.0	37.8	37.9	38.0	38.3	38.4	38.6	38.6	38.5	38.8	39.0	38.7	38.7	38.8	37.7	37.3	37.1	35.9
120	39.9	40.2	40.2	40.2	40.4	40.8	40.7	40.8	40.9	40.7	41.0	41.2	41.4	41.3	41.1	39.9	39.5	39.0	38.0
125	42.4	42.5	42.5	42.5	42.8	43.4	43.2	43.1	43.1	43.1	43.3	43.7	43.9	44.0	43.7	42.4	41.8	41.2	40.2
130	44.6	44.7	44.8	44.8	45.1	45.6	45.4	45.3	45.4	45.4	45.5	45.9	46.1	46.4	46.0	44.9	43.8	43.9	43.0
135	47.0	47.0	47.0	46.9	46.8	47.4	47.6	47.4	47.5	47.6	47.6	47.9	48.1	48.4	48.1	47.2	46.4	46.0	45.4
140	48.7	48.5	48.2	47.4	46.8	47.3	48.9	49.0	49.2	49.4	49.1	49.1	49.1	49.0	48.8	49.0	48.1	48.0	47.4
145	48.3	47.6	47.3	44.2	40.5	42.7	47.8	48.3	48.7	48.8	48.6	48.4	47.5	44.9	46.0	48.2	47.9	48.0	48.4
150	44.3	41.9	39.7	34.3	27.4	30.1	40.1	45.0	45.0	44.5	45.5	44.3	36.7	32.7	34.7	44.1	44.9	45.7	46.8
155	33.6	29.9	26.5	20.5	15.2	19.1	29.9	32.5	31.9	31.1	32.8	32.4	26.7	16.5	22.4	30.2	33.5	36.6	41.3
160	20.2	16.7	14.2	10.7	9.76	11.5	13.5	15.5	15.6	14.9	16.4	15.0	12.9	11.3	9.98	15.9	20.0	22.7	26.2
165	7.74	7.09	6.37	4.83	3.75	5.18	6.04	6.38	5.88	5.62	6.22	6.50	6.24	4.81	4.22	5.59	6.29	6.75	9.08
170	5.04	5.51	5.46	4.69	4.22	4.58	5.28	5.18	4.65	4.42	4.90	5.56	5.47	4.75	4.57	5.11	5.71	5.42	4.39
175	5.05	4.97	4.81	4.57	4.39	4.29	4.38	4.47	4.57	4.65	4.67	4.57	4.54	4.53	4.71	4.89	5.10	5.22	5.93
180	3.86	3.86	3.87	3.87	3.91	3.91	3.89	3.88	3.90	3.89	3.94	3.93	3.99	3.99	4.04	3.98	3.98	3.96	3.85

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

γ (DEG) \ C (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	1.19	1.17	1.20	1.18	1.19	1.19	1.22	1.23	1.32	1.38	1.48	1.53	1.70	1.87	2.06	2.43	2.53		
5	50.9	48.4	53.8	53.1	57.5	56.5	60.5	58.4	62.1	58.3	62.2	59.0	61.1	57.1	58.3	53.7	54.7		
10	365	354	357	357	377	372	381	375	386	374	384	375	390	384	388	369	381		
15	806	768	791	851	866	855	844	818	828	823	822	831	849	839	845	825	825		
20	1085	1057	1139	1147	1156	1160	1157	1138	1142	1146	1145	1159	1166	1159	1163	1140	1139		
25	1277	1258	1332	1359	1366	1364	1351	1324	1336	1327	1323	1344	1357	1347	1349	1335	1328		
30	1293	1275	1360	1392	1384	1388	1390	1365	1369	1372	1367	1401	1412	1410	1406	1386	1371		
35	1229	1243	1326	1333	1333	1342	1338	1313	1320	1316	1313	1354	1353	1351	1353	1337	1316		
40	1143	1186	1249	1254	1252	1260	1258	1235	1241	1240	1237	1279	1276	1278	1275	1258	1237		
45	1045	1104	1157	1159	1157	1167	1167	1142	1147	1144	1143	1180	1177	1177	1174	1162	1138		
50	935	1002	1036	1036	1034	1044	1047	1026	1032	1030	1029	1059	1055	1057	1054	1045	1022		
55	817	890	912	913	911	919	920	904	910	911	913	940	936	937	935	927	904		
60	693	760	771	771	769	778	783	772	780	785	788	812	810	811	809	803	780		
65	561	618	623	625	624	632	637	631	644	652	657	676	673	668	670	669	649		
70	426	471	472	475	477	488	495	493	501	513	518	532	505	455	462	493	507		
75	291	323	324	332	336	347	350	349	357	369	376	320	303	320	315	308	296		
80	173	194	198	208	214	222	223	222	224	232	190	197	191	197	197	189	183		
85	82.3	86.4	88.6	92.6	94.9	100	103	104	106	74.3	92.1	116	117	120	119	119	108		
90	31.8	32.9	35.2	36.6	37.1	37.3	36.9	36.0	33.0	33.6	35.0	36.0	36.1	37.1	37.0	37.6	36.4		
95	30.5	31.3	33.0	31.8	31.3	32.0	31.2	30.8	31.5	31.9	31.4	31.4	31.3	31.3	31.6	31.5	31.8		
100	29.3	29.1	30.2	30.8	32.4	34.1	33.8	33.8	32.8	33.1	32.4	32.8	32.1	31.9	31.9	31.7	31.6		
105	31.1	31.0	31.9	32.5	33.1	33.7	34.3	34.9	34.2	34.1	34.0	33.9	33.6	33.7	33.7	33.5	33.5		
110	33.5	33.3	33.8	34.6	35.6	35.9	35.9	36.1	35.6	35.9	36.1	36.2	36.0	36.1	35.9	35.8	36.0		
115	35.7	35.7	36.1	36.6	37.6	38.2	38.7	38.9	38.5	38.6	38.6	38.6	38.3	38.4	38.2	38.1	38.2		
120	38.0	38.0	38.3	38.7	39.8	40.4	40.9	41.1	40.7	40.8	41.0	40.9	40.7	40.9	40.6	40.5	40.4		
125	40.3	40.5	40.6	41.0	42.2	42.7	43.2	43.4	43.1	43.2	43.3	43.3	43.1	43.3	42.9	42.9	42.7		
130	42.8	42.7	42.9	43.4	44.4	45.0	45.3	45.5	45.3	45.4	45.5	45.5	45.4	45.6	45.4	45.1	45.1		
135	45.6	45.3	45.1	45.7	46.6	47.1	47.3	47.5	47.6	47.7	47.7	47.6	47.6	47.9	47.8	47.4	47.3		
140	47.4	47.0	46.9	47.3	47.7	48.1	48.3	48.6	49.0	49.4	49.2	49.0	48.6	49.0	49.2	49.2	49.2		
145	48.0	47.4	46.2	46.7	44.8	45.5	46.1	46.5	47.7	48.9	48.8	48.1	46.9	46.2	47.9	49.0	48.8		
150	45.9	45.0	41.2	37.6	35.0	39.7	40.3	41.0	42.7	44.0	45.7	41.9	36.2	37.2	40.4	43.9	45.8		
155	37.8	34.3	26.4	21.7	22.1	31.4	33.6	34.2	31.5	32.5	32.6	28.7	21.4	20.2	26.6	32.5	34.4		
160	23.0	19.8	11.8	5.62	9.35	17.3	22.8	23.8	23.1	23.5	19.9	15.3	10.1	8.97	14.0	16.5	20.0		
165	7.20	6.10	4.52	3.46	4.50	5.52	7.85	7.74	6.58	7.83	7.78	5.92	4.61	5.05	6.74	7.40	8.50		
170	4.66	4.49	3.86	3.99	4.28	4.72	4.22	3.87	3.86	3.97	4.53	4.51	3.87	3.91	4.13	4.81	4.99		
175	5.74	5.29	4.95	4.70	4.84	5.03	5.28	5.41	5.43	5.18	4.85	4.58	4.54	4.76	5.23	5.68	5.98		
180	3.85	3.85	3.91	3.91	3.87	3.87	3.83	3.84	3.85	3.88	3.91	3.95	3.98	4.00	3.94	3.94	3.91		

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: