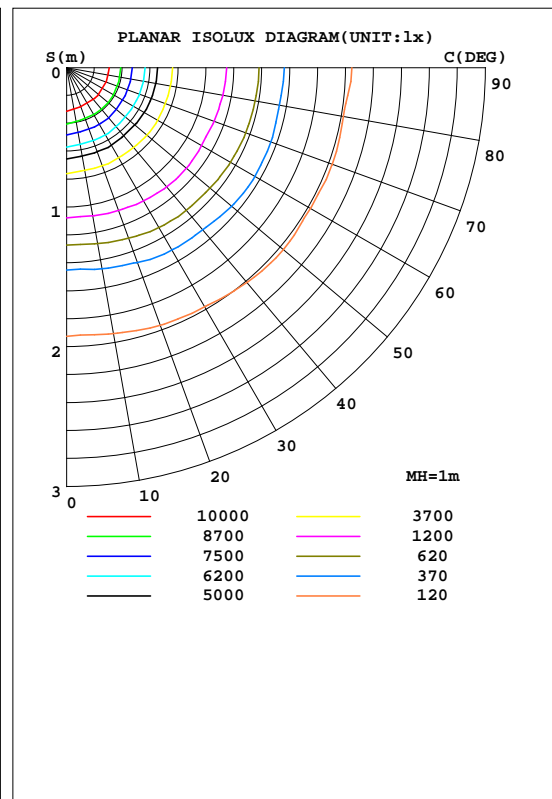
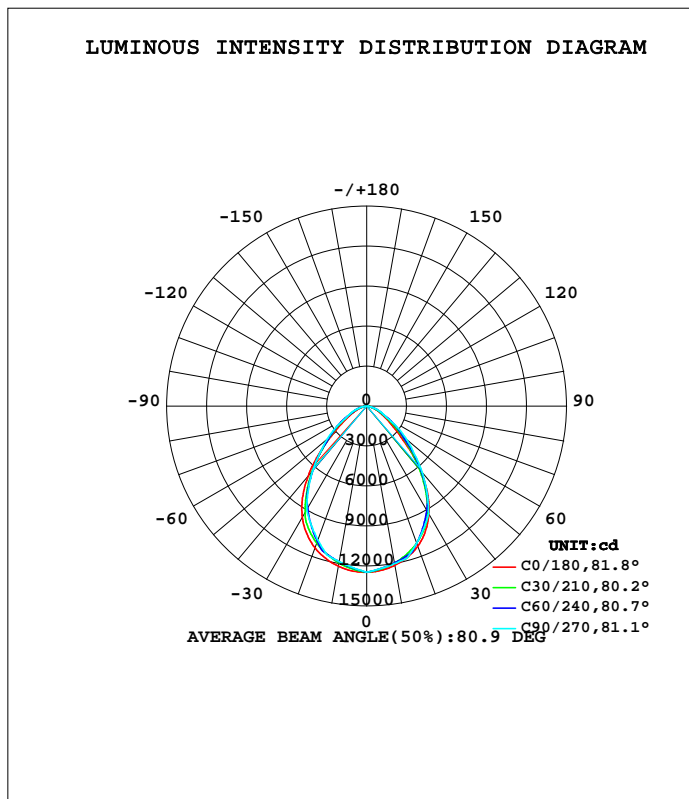


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:229.1V I:0.6380A P:144.7W PF:0.9890 Lamp Flux:21894.8x1 lm		
NAME: HB-H-150W-NW	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 151.31 lm/W			
MODEL		I _{max} (cd)	12465	S/MH(C0/180)	1.14
NOMINAL POWER(W)	148	LOR(%)	100.0	S/MH(C90/270)	1.13
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	21895	η UP,DN(C0-180)	0.0,50.2
NOMINAL FLUX(lm)	21894.8	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.8
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	229.1	η down(%)	100.0	CIBSE SHR MAX	1.15



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-01-03

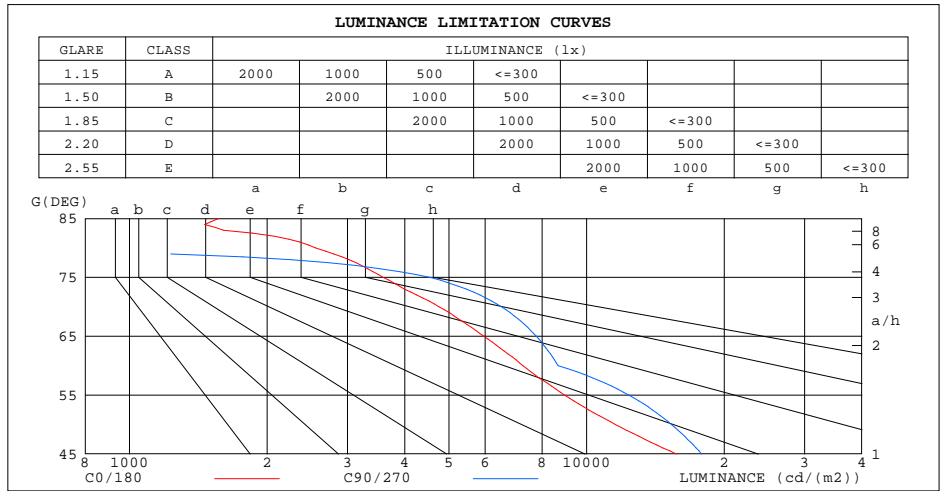
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
 Humidity:65.0%
 Test Distance:9.500m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\$lum, lamp$
5	1238	1225	1224	1229	1242	1222	1216	1221	0- 5	294.9	294.9	1.35,1.35
10	1214	1195	1201	1204	1221	1190	1186	1188	5- 10	866.6	1161	5.3,5.3
15	1176	1156	1178	1173	1185	1149	1156	1149	10- 15	1400	2561	11.7,11.7
20	1121	1108	1096	1135	1133	1100	1071	1103	15- 20	1867	4428	20.2,20.2
25	1041	1011	1014	1047	1062	1004	985.8	1010	20- 25	2221	6649	30.4,30.4
30	935.1	895.5	931.3	938.8	966.7	890.8	900.9	899.7	25- 30	2449	9098	41.6,41.6
35	797.6	770.5	789.1	817.4	841.1	766.1	765.4	778.2	30- 35	2518	11616	53.1,53.1
40	628.0	634.1	647.0	679.4	683.0	631.5	629.9	645.5	35- 40	2387	14003	64,64
45	444.5	489.5	504.8	520.4	507.6	494.8	494.4	497.6	40- 45	2088	16092	73.5,73.5
50	297.4	360.7	394.4	377.2	344.5	370.9	389.9	363.5	45- 50	1700	17791	81.3,81.3
55	205.4	252.1	283.9	256.2	228.5	265.6	285.4	251.4	50- 55	1329	19120	87.3,87.3
60	145.2	182.2	173.4	184.6	157.0	195.6	180.9	183.1	55- 60	993.9	20114	91.9,91.9
65	100.7	122.9	131.2	124.5	108.5	133.8	138.3	125.0	60- 65	712.4	20827	95.1,95.1
70	65.07	79.54	89.13	80.61	69.80	88.17	95.67	82.57	65- 70	511.2	21338	97.5,97.5
75	37.16	49.23	47.02	50.54	41.70	57.75	53.04	53.44	70- 75	338.0	21676	99,99
80	17.74	19.78	0	20.90	22.92	26.64	0	23.98	75- 80	174.1	21850	99.8,99.8
85	5.464	0	0	0	5.778	0	0	0	80- 85	39.88	21890	100,100
90	4.255	0	0	0	4.557	0	0	0	85- 90	4.993	21895	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY: $\times 10cd$									UNIT:lm		



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-01-03

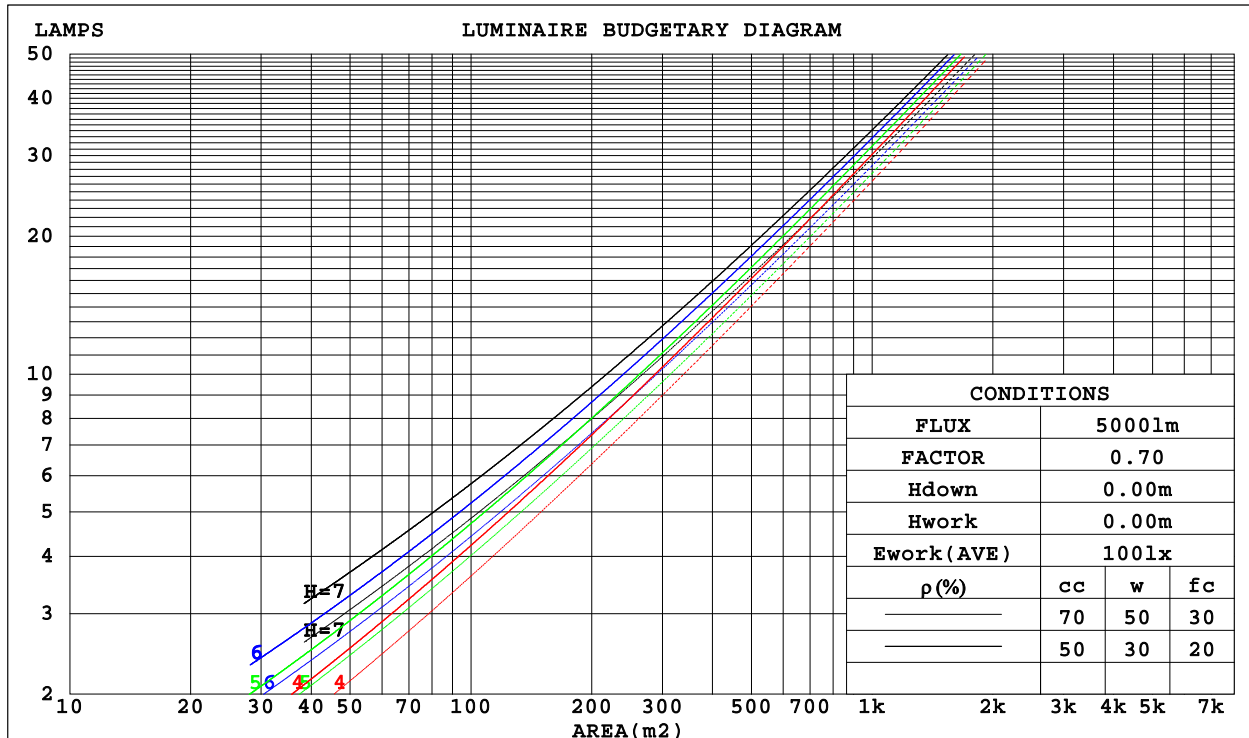
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 9.500m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:229.1V I:0.6380A P:144.7W PF:0.9890 Lamp Flux:21894.8x1 lm		
NAME: HB-H-150W-NW	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.08	1.04	1.01	1.05	1.02	.00	1.01	.99	.97	.97	.95	.94	.94	.92	.91	.89
2.0	.97	.91	.87	.95	.90	.86	.92	.87	.84	.88	.85	.82	.85	.83	.80	.78
3.0	.87	.80	.75	.86	.80	.75	.83	.78	.73	.80	.76	.72	.78	.74	.71	.69
4.0	.79	.72	.66	.78	.71	.66	.75	.69	.65	.73	.68	.64	.71	.67	.63	.61
5.0	.72	.64	.59	.71	.64	.58	.69	.62	.58	.67	.61	.57	.65	.60	.56	.55
6.0	.66	.58	.52	.65	.57	.52	.63	.57	.52	.62	.56	.51	.60	.55	.51	.49
7.0	.60	.53	.47	.60	.52	.47	.58	.52	.47	.57	.51	.46	.55	.50	.46	.44
8.0	.56	.48	.43	.55	.48	.43	.54	.47	.43	.53	.47	.42	.51	.46	.42	.40
9.0	.52	.44	.39	.51	.44	.39	.50	.43	.39	.49	.43	.39	.48	.43	.39	.37
10.0	.48	.41	.36	.47	.41	.36	.46	.40	.36	.46	.40	.36	.45	.39	.36	.34



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-01-03

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

Test:U:229.1V I:0.6380A P:144.7W PF:0.9890 Lamp Flux:21894.8x1 lm		
NAME: HB-H-150W-NW	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

ρ _{cc}	80%			70%			50%			30%			10%			0
ρ _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.238	.135	.043	.231	.132	.042	.218	.125	.040	.206	.119	.038	.196	.113	.037	
2.0	.231	.127	.039	.225	.124	.038	.214	.119	.037	.204	.114	.036	.195	.110	.035	
3.0	.220	.117	.035	.215	.115	.035	.205	.111	.034	.196	.107	.033	.187	.104	.032	
4.0	.207	.108	.032	.203	.106	.031	.194	.103	.031	.186	.100	.030	.179	.097	.030	
5.0	.195	.100	.029	.191	.098	.029	.184	.096	.028	.177	.093	.028	.170	.091	.027	
6.0	.184	.092	.026	.180	.091	.026	.174	.089	.026	.167	.087	.026	.162	.085	.025	
7.0	.174	.086	.024	.170	.085	.024	.164	.083	.024	.159	.081	.024	.153	.080	.023	
8.0	.164	.080	.023	.161	.079	.022	.156	.078	.022	.151	.076	.022	.146	.075	.022	
9.0	.155	.075	.021	.153	.074	.021	.148	.073	.021	.143	.072	.021	.139	.071	.020	
10.0	.147	.071	.020	.145	.070	.020	.141	.069	.019	.137	.068	.019	.133	.067	.019	

ρ _{cc}	80%			70%			50%			30%			10%			0
ρ _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.175	.157	.140	.150	.135	.121	.103	.093	.083	.059	.054	.048	.019	.017	.016	
2.0	.164	.132	.105	.141	.114	.091	.096	.079	.063	.056	.046	.037	.018	.015	.012	
3.0	.155	.114	.081	.133	.098	.071	.091	.068	.050	.053	.040	.029	.017	.013	.010	
4.0	.147	.100	.065	.126	.086	.056	.086	.060	.039	.050	.035	.023	.016	.011	.008	
5.0	.139	.089	.052	.119	.077	.046	.082	.054	.032	.048	.032	.019	.015	.010	.006	
6.0	.132	.081	.043	.114	.070	.038	.078	.049	.027	.045	.029	.016	.015	.009	.005	
7.0	.126	.073	.037	.108	.064	.032	.075	.045	.023	.043	.026	.013	.014	.009	.004	
8.0	.120	.068	.031	.103	.059	.027	.072	.041	.019	.042	.024	.012	.013	.008	.004	
9.0	.115	.063	.027	.099	.054	.024	.068	.038	.017	.040	.023	.010	.013	.007	.003	
10.0	.110	.058	.024	.094	.051	.021	.066	.036	.015	.038	.021	.009	.012	.007	.003	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-01-03

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

Uncorrected UGR Table

Test:U:229.1V I:0.6380A P:144.7W PF:0.9890 Lamp Flux:21894.8x1 lm										
NAME: HB-H-150W-NW					TYPE:			WEIGHT:		
DIM.:					SPEC.:			SERIAL No.:		
MFR.: EVERFINE					SUR.:			PROTECTION ANGLE:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	19.8	21.1	20.1	21.3	21.5	20.6	21.9	20.9	22.1	22.3
3H	20.2	21.4	20.5	21.6	21.8	21.2	22.3	21.4	22.6	22.8
4H	20.3	21.4	20.6	21.6	21.9	21.3	22.4	21.6	22.6	22.9
6H	20.3	21.3	20.6	21.6	21.9	21.2	22.3	21.6	22.5	22.8
8H	20.3	21.3	20.6	21.5	21.8	21.2	22.2	21.5	22.5	22.7
12H	20.2	21.2	20.6	21.5	21.8	21.1	22.1	21.5	22.4	22.7
4H 2H	20.1	21.2	20.4	21.4	21.7	20.8	21.9	21.1	22.1	22.4
3H	20.6	21.6	20.9	21.8	22.1	21.5	22.4	21.8	22.7	23.0
4H	20.8	21.6	21.1	21.9	22.3	21.7	22.6	22.0	22.9	23.2
6H	20.8	21.6	21.2	21.9	22.3	21.7	22.4	22.1	22.8	23.1
8H	20.8	21.5	21.2	21.9	22.3	21.6	22.3	22.0	22.7	23.1
12H	20.8	21.4	21.2	21.8	22.2	21.6	22.2	22.0	22.6	23.0
8H 4H	20.8	21.5	21.2	21.9	22.3	21.7	22.4	22.1	22.8	23.1
6H	20.9	21.5	21.4	21.9	22.3	21.7	22.3	22.1	22.7	23.1
8H	21.0	21.5	21.4	21.9	22.3	21.6	22.2	22.1	22.6	23.0
12H	21.0	21.4	21.4	21.8	22.3	21.6	22.0	22.1	22.5	23.0
12H 4H	20.8	21.4	21.2	21.8	22.2	21.7	22.3	22.1	22.7	23.1
6H	20.9	21.4	21.4	21.8	22.3	21.7	22.2	22.1	22.6	23.0
8H	20.9	21.4	21.4	21.8	22.3	21.6	22.1	22.1	22.5	23.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.9 / - 1.2					+ 0.6 / - 0.7				
1.5H	+ 0.8 / - 0.9					+ 0.4 / - 0.4				
2.0H	+ 1.6 / - 1.5					+ 1.5 / - 1.6				

CIE Pub.117 Corrected 21895 lm Total Lamp Luminous Flux.(8log(F/F0) = 10.7)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-01-03

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

UTILIZATION FACTORS TABLE

Test:U:229.1V I:0.6380A P:144.7W PF:0.9890 Lamp Flux:21894.8x1 lm		
NAME: HB-H-150W-NW	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	69	59	53	68	59	53	67	59	53	48
0.80	79	69	63	78	69	63	76	68	63	57
1.00	86	77	72	85	77	71	83	78	71	65
1.25	92	84	79	91	84	78	89	82	78	72
1.50	96	89	84	95	88	83	92	86	82	76
2.00	102	95	90	100	94	90	97	92	88	82
2.50	104	99	94	103	97	93	99	95	91	84
3.00	107	102	98	105	100	97	101	98	95	87
4.00	110	106	102	108	104	101	104	101	98	90
5.00	112	108	105	109	106	104	105	103	101	92
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

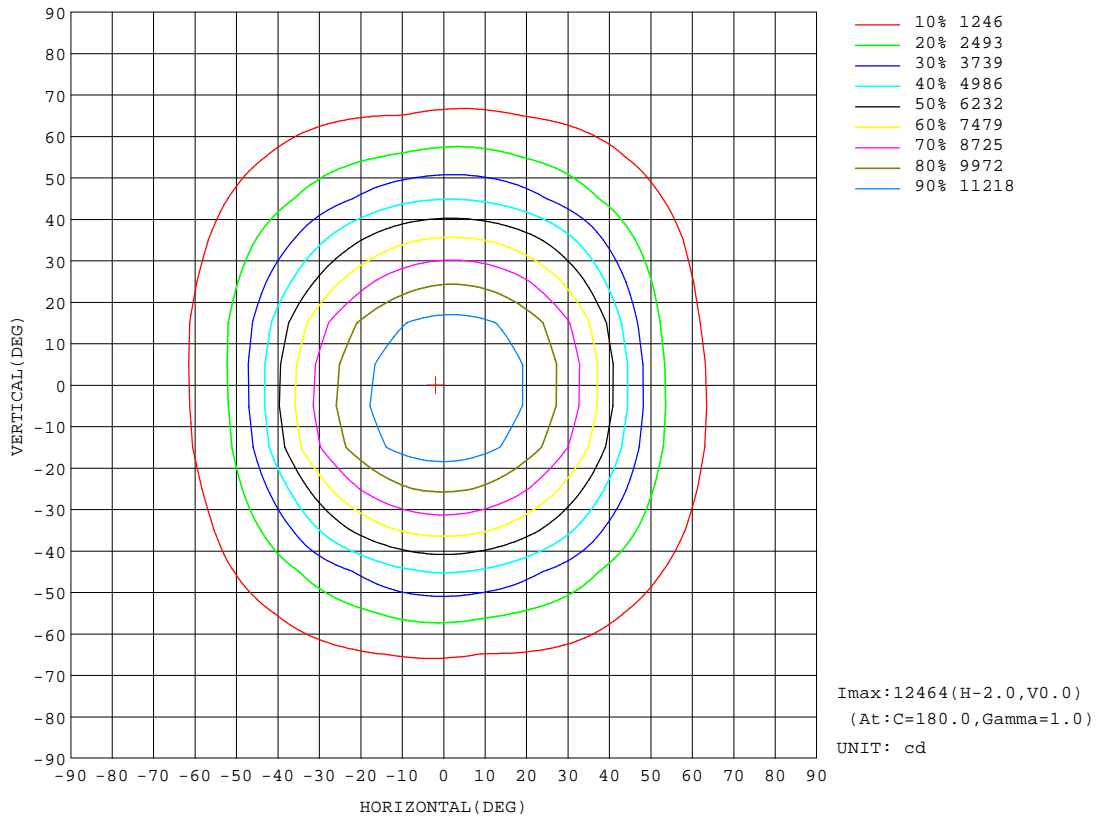
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-01-03

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Test:U:229.1V I:0.6380A P:144.7W PF:0.9890 Lamp Flux:21894.8x1 lm		
NAME: HB-H-150W-NW	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-01-03

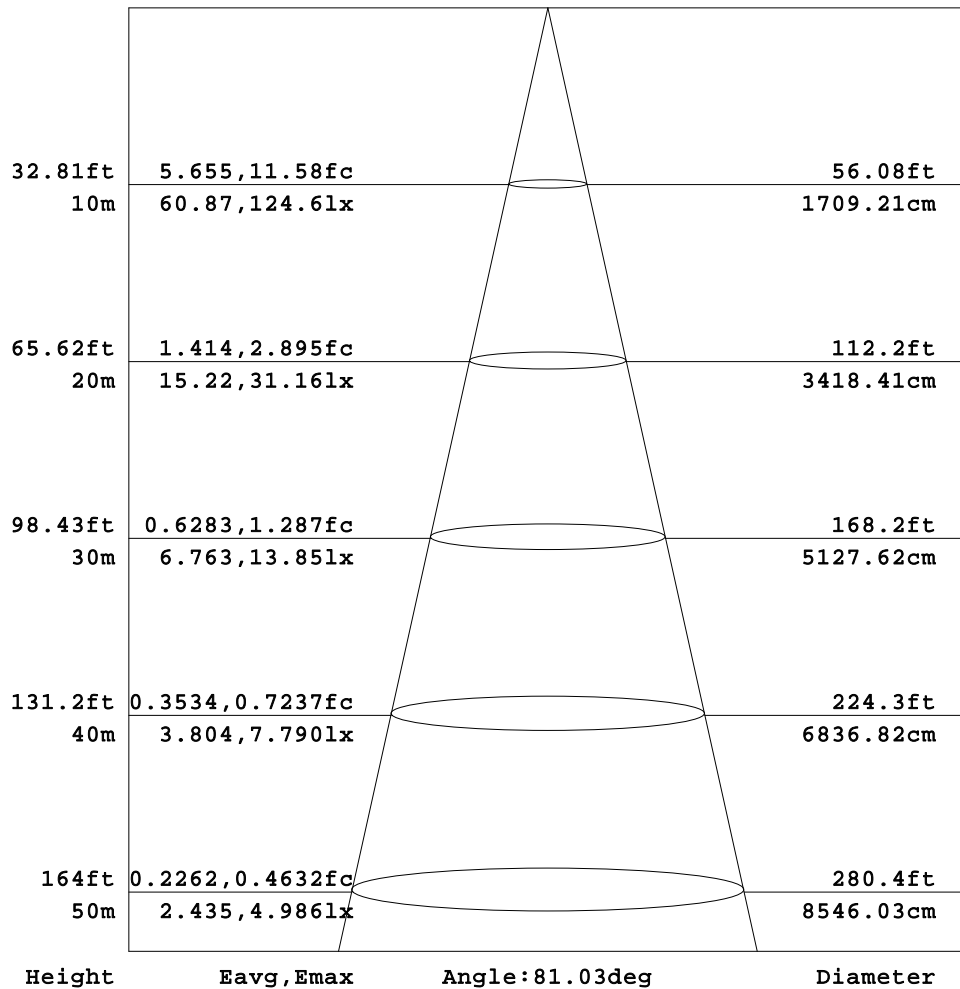
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

AAI Figure

Test:U:229.1V I:0.6380A P:144.7W PF:0.9890 Lamp Flux:21894.8x1 lm		
NAME: HB-H-150W-NW	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

Flux out:14449 lm



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

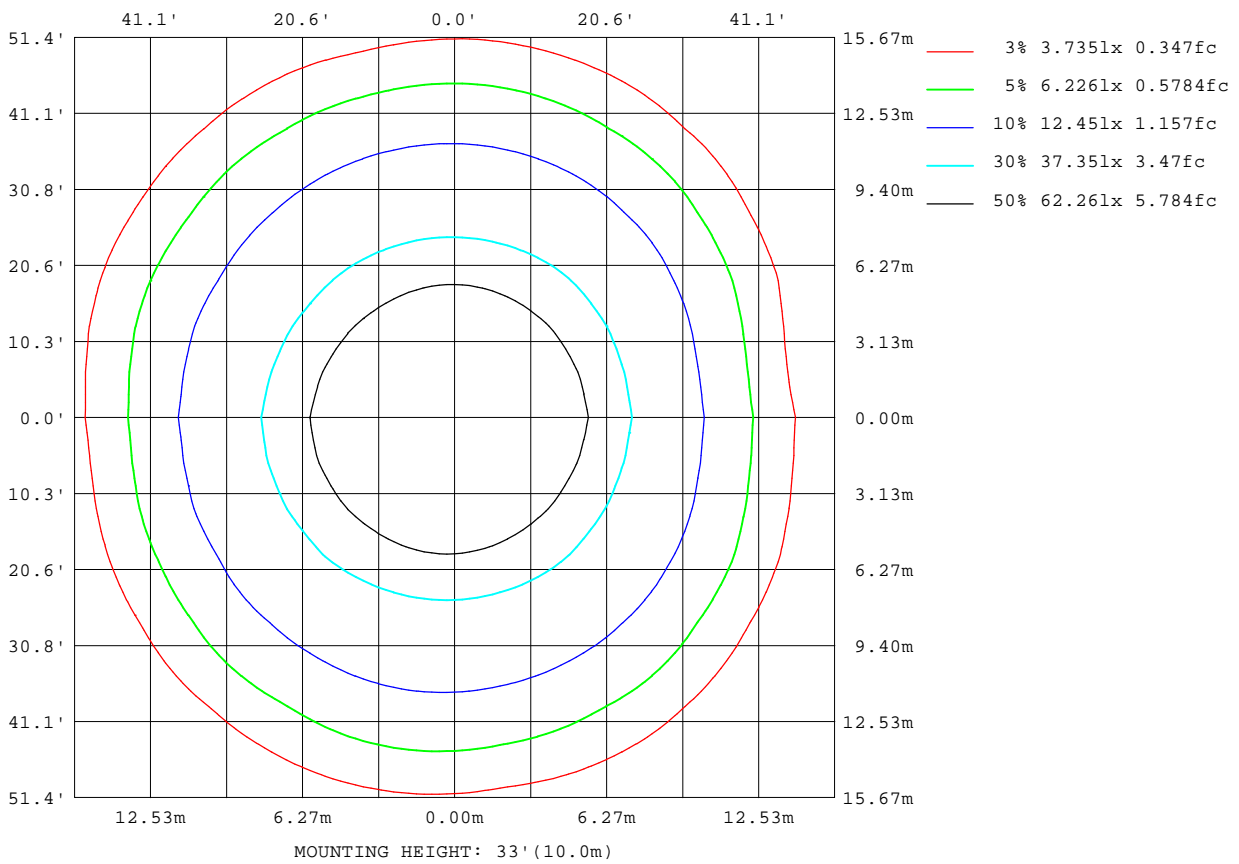
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-01-03

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Test:U:229.1V I:0.6380A P:144.7W PF:0.9890 Lamp Flux:21894.8x1 lm		
NAME: HB-H-150W-NW	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

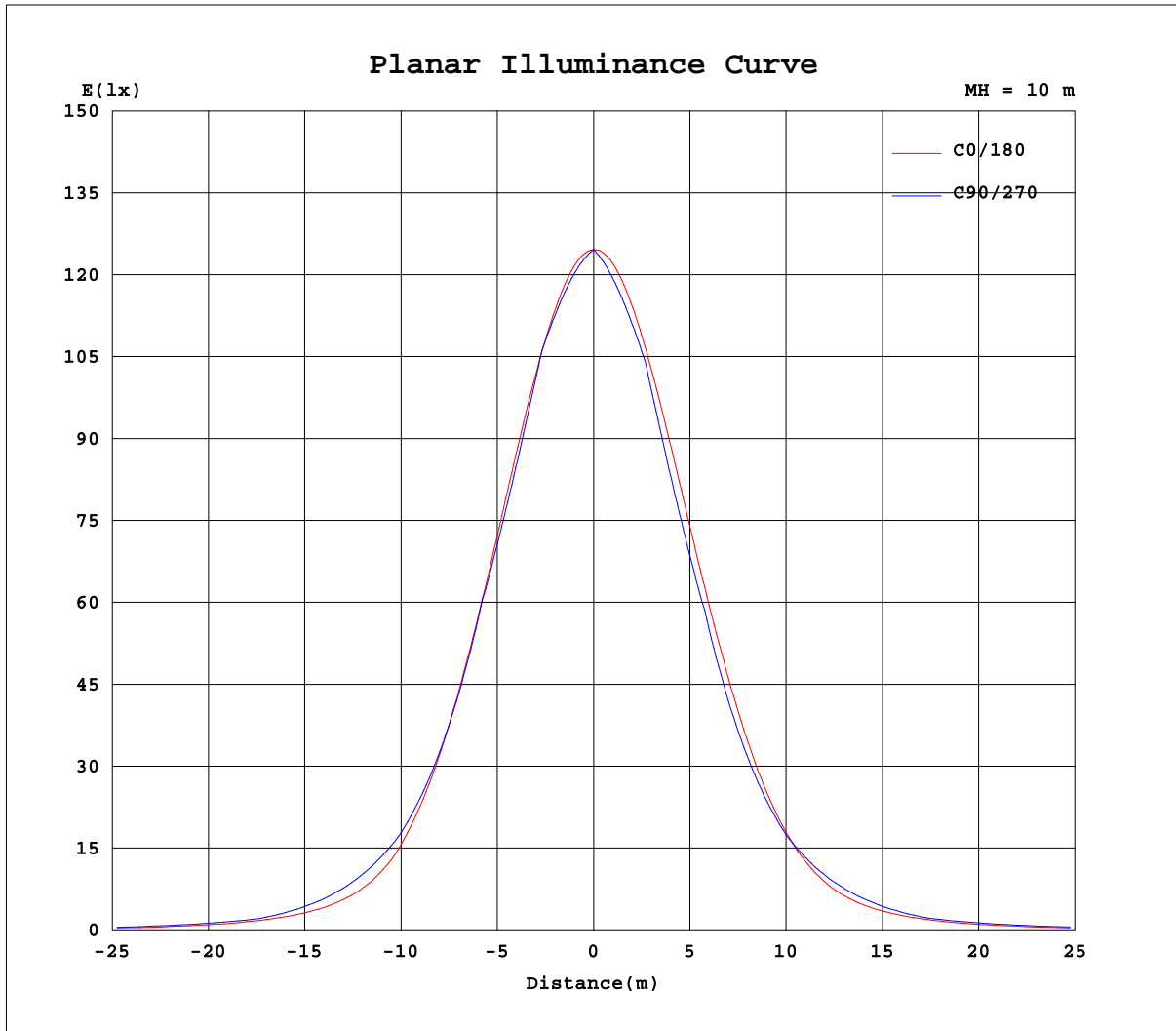


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-01-03

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 9.500m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-01-03

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 9.500m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.1V I:0.6380A P:144.7W PF:0.9890 Lamp Flux:21894.8x1 lm		
NAME: HB-H-150W-NW	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: x10cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1246	1246	1246	1246	1246	1246	1246	1246	1246	1246	1246	1246	1246	1246	1246	1246	1246	1246	1246
5	1238	1236	1234	1232	1230	1229	1228	1227	1226	1225	1224	1224	1224	1223	1223	1223	1223	1223	1224
10	1214	1210	1206	1203	1200	1198	1197	1196	1195	1195	1195	1196	1196	1197	1198	1199	1199	1200	1201
15	1176	1169	1163	1159	1156	1154	1153	1153	1154	1156	1158	1161	1164	1167	1170	1172	1175	1177	1178
20	1121	1111	1103	1098	1095	1094	1095	1098	1102	1108	1107	1101	1098	1095	1094	1093	1093	1094	1096
25	1041	1028	1019	1014	1013	1015	1020	1027	1017	1011	1006	1004	1003	1003	1004	1006	1009	1011	1014
30	935	919	910	906	908	915	915	905	898	896	896	899	903	907	913	918	923	928	931
35	798	780	771	771	779	780	771	767	767	770	777	787	786	784	783	783	784	786	789
40	628	611	606	613	622	618	617	619	626	634	636	636	636	636	637	639	641	644	647
45	445	434	437	450	455	461	466	475	483	490	493	492	490	490	492	494	498	502	505
50	297	295	302	313	321	333	342	348	356	361	362	358	359	367	374	380	385	391	394
55	205	205	214	219	227	238	243	248	250	252	261	268	272	274	277	277	276	280	284
60	145	145	151	154	161	164	168	168	175	182	188	190	190	187	183	176	169	170	173
65	101	100	102	107	109	110	113	117	121	123	122	121	125	127	128	127	125	128	131
70	65.1	64.4	65.8	67.5	68.8	71.2	73.2	74.8	75.9	79.5	82.7	85.5	87.8	88.9	88.7	87.7	86.2	87.4	89.1
75	37.2	36.5	38.1	38.7	39.8	41.8	42.7	44.5	47.1	49.2	50.8	51.7	52.0	51.2	50.0	48.6	47.5	47.0	47.0
80	17.7	16.4	17.5	19.1	19.8	21.5	21.8	21.5	20.8	19.8	17.6	14.7	11.5	8.27	5.42	3.09	1.38	0.35	0.00
85	5.46	5.67	6.44	7.30	5.72	3.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	4.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-01-03

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.1V I:0.6380A P:144.7W PF:0.9890 Lamp Flux:21894.8x1 lm		
NAME: HB-H-150W-NW	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: x10cd

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	1246	1246	1246	1246	1246	1246	1246	1246	1246	1246	1246	1246	1246	1246	1246	1246	1246	1246	1246
5	1224	1224	1225	1225	1226	1226	1227	1228	1229	1230	1231	1232	1233	1235	1236	1238	1240	1242	1239
10	1202	1202	1202	1203	1203	1203	1204	1204	1204	1205	1206	1207	1208	1210	1212	1214	1217	1221	1215
15	1179	1180	1180	1179	1178	1177	1176	1174	1173	1172	1171	1170	1171	1172	1173	1176	1180	1185	1177
20	1098	1100	1104	1107	1112	1117	1124	1133	1135	1131	1126	1123	1121	1120	1120	1123	1127	1133	1122
25	1016	1018	1020	1022	1025	1028	1033	1039	1047	1058	1070	1061	1054	1050	1048	1049	1054	1062	1047
30	934	935	935	935	934	933	934	935	939	945	955	969	970	960	954	953	957	967	948
35	792	796	800	805	812	819	826	821	817	817	820	829	844	845	833	827	830	841	820
40	650	652	654	657	660	664	670	675	679	674	670	671	679	694	684	672	672	683	663
45	507	507	507	508	507	510	514	519	520	517	509	505	507	513	518	500	497	508	494
50	397	396	393	386	378	368	366	374	377	374	366	357	355	353	351	342	337	345	342
55	287	288	288	285	281	276	272	265	256	258	256	252	246	240	233	229	223	228	231
60	178	181	185	189	191	192	191	189	185	179	174	174	169	162	156	154	153	157	160
65	134	134	133	131	128	125	120	123	124	124	122	118	115	110	107	107	107	109	110
70	90.7	91.2	91.1	90.8	89.5	87.6	85.2	82.9	80.6	77.5	77.3	76.7	75.3	72.7	70.7	69.6	70.5	69.8	72.6
75	47.7	48.6	49.8	51.1	52.0	51.9	51.7	51.2	50.5	49.0	46.6	44.8	44.8	43.9	43.0	41.7	42.0	41.7	43.2
80	0.35	1.41	3.16	5.54	8.43	11.5	14.8	17.9	20.9	23.0	23.8	24.2	24.1	23.3	22.9	22.8	20.8	22.9	24.4
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.06	7.69	8.33	8.42	7.59	5.78	9.10
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.56	0.00

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-01-03

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.1V I:0.6380A P:144.7W PF:0.9890 Lamp Flux:21894.8x1 lm		
NAME: HB-H-150W-NW	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

Table--3

UNIT: x10cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	1246	1246	1246	1246	1246	1246	1246	1246	1246	1246	1246	1246	1246	1246	1246	1246	1246	1246	1246
5	1236	1234	1231	1229	1227	1226	1224	1222	1221	1220	1219	1218	1217	1217	1216	1216	1216	1216	1216
10	1210	1206	1202	1199	1196	1193	1191	1190	1189	1188	1187	1187	1186	1186	1186	1186	1186	1186	1186
15	1170	1164	1159	1155	1152	1150	1149	1149	1149	1150	1151	1152	1153	1154	1155	1155	1156	1156	1156
20	1113	1105	1100	1097	1096	1096	1097	1100	1096	1088	1082	1078	1075	1072	1071	1071	1071	1071	1073
25	1036	1028	1024	1023	1025	1029	1015	1004	996	991	987	985	984	984	984	985	986	987	987
30	936	929	927	930	925	909	898	891	887	885	886	888	891	894	897	899	901	901	901
35	808	803	806	800	785	775	768	766	768	772	771	769	767	766	765	765	765	766	768
40	655	656	658	645	635	630	630	631	632	631	630	629	630	629	629	629	630	630	630
45	493	503	497	492	488	486	491	495	495	494	493	492	493	494	494	494	494	494	493
50	350	359	361	363	362	365	369	371	370	365	368	374	379	383	386	388	390	390	388
55	245	250	257	264	267	267	267	266	272	277	279	282	282	280	280	283	285	287	287
60	167	171	179	184	188	188	192	196	198	199	197	194	188	179	175	178	181	184	186
65	113	117	120	125	128	132	134	134	132	130	132	133	133	131	131	135	138	140	139
70	73.1	75.4	78.4	81.4	83.0	84.0	84.5	88.2	91.4	93.6	95.0	94.9	94.4	92.6	92.2	94.2	95.7	96.5	96.2
75	43.9	46.3	48.0	49.2	49.3	52.2	55.7	57.8	58.8	59.3	58.8	57.3	55.8	54.5	53.7	53.1	53.0	53.2	53.8
80	26.2	26.5	27.5	28.3	28.6	29.1	29.7	26.6	22.2	17.9	13.5	9.52	6.15	3.50	1.57	0.39	0.00	0.39	1.57
85	11.1	11.4	11.5	5.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-01-03

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.1V I:0.6380A P:144.7W PF:0.9890 Lamp Flux:21894.8x1 lm		
NAME: HB-H-150W-NW	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

Table--4

UNIT: x10cd

C(DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1246	1246	1246	1246	1246	1246	1246	1246	1246	1246	1246	1246	1246	1246	1246				
5	1216	1217	1217	1218	1219	1220	1221	1222	1223	1225	1226	1228	1230	1233	1235				
10	1186	1186	1186	1187	1187	1188	1188	1189	1191	1193	1195	1198	1201	1205	1209				
15	1155	1154	1153	1152	1151	1150	1149	1149	1149	1150	1152	1154	1158	1163	1169				
20	1075	1078	1082	1087	1093	1101	1103	1099	1097	1095	1094	1096	1099	1104	1111				
25	988	990	992	994	998	1003	1010	1019	1031	1024	1019	1016	1017	1021	1029				
30	900	899	898	897	897	898	900	904	911	922	923	915	912	913	921				
35	770	774	779	784	789	782	778	776	777	782	790	788	778	775	782				
40	632	634	637	640	643	645	646	639	631	626	626	630	618	609	612				
45	493	494	495	497	499	500	498	492	482	470	460	453	444	431	431				
50	385	380	375	367	362	364	364	359	348	337	326	312	302	293	290				
55	286	284	281	276	270	261	251	251	246	239	232	220	207	198	197				
60	188	189	191	193	191	188	183	176	169	167	161	156	144	138	139				
65	136	133	130	127	122	124	125	123	119	114	110	105	102	97.3	96.6				
70	95.2	93.8	92.3	90.6	88.1	85.6	82.6	78.9	77.2	75.0	72.2	68.3	66.4	64.5	63.4				
75	54.4	55.0	55.6	55.7	55.4	54.8	53.4	51.2	48.1	45.4	44.3	41.8	40.3	39.1	36.9				
80	3.47	6.05	9.19	12.7	16.5	20.4	24.0	26.1	25.9	25.5	25.1	23.9	22.4	20.8	19.2				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.65	9.21	10.7	9.75	8.13				
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-01-03

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

Photometric Data Table [cd]

G/C	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0
0.0	12464	12464	12464	12464	12464	12464	12464	12464	12464	12464
2.5	12437	12427	12417	12408	12400	12392	12385	12378	12372	12367
5.0	12376	12356	12337	12319	12303	12289	12277	12266	12257	12249
7.5	12274	12243	12215	12191	12170	12152	12137	12126	12117	12111
10.0	12138	12096	12059	12027	12002	11982	11966	11957	11951	11950
12.5	11964	11910	11864	11827	11798	11777	11764	11759	11760	11766
15.0	11758	11691	11635	11591	11560	11539	11530	11531	11541	11559
17.5	11506	11424	11358	11309	11277	11262	11261	11274	11296	11329
20.0	11206	11107	11031	10978	10947	10939	10950	10979	11022	11077
22.5	10840	10727	10644	10589	10565	10567	10593	10643	10713	10639
25.0	10406	10279	10191	10143	10128	10147	10195	10268	10173	10107
27.5	9911	9769	9676	9632	9634	9677	9753	9678	9593	9544
30.0	9351	9192	9096	9061	9081	9153	9146	9045	8982	8955
32.5	8699	8530	8439	8420	8466	8565	8445	8372	8339	8341
35.0	7976	7797	7711	7710	7788	7796	7706	7666	7666	7705
37.5	7153	6977	6911	6943	7061	6989	6942	6936	6970	7043
40.0	6280	6109	6063	6127	6217	6175	6167	6194	6262	6341
42.5	5355	5211	5197	5295	5356	5365	5405	5459	5543	5601
45.0	4445	4345	4370	4497	4550	4606	4664	4754	4828	4895
47.5	3625	3568	3629	3763	3831	3924	4003	4081	4172	4229
50.0	2974	2945	3019	3132	3213	3331	3423	3480	3561	3607
52.5	2460	2450	2533	2608	2699	2822	2898	2953	3001	3036
55.0	2054	2054	2137	2185	2274	2378	2433	2476	2501	2521
57.5	1727	1727	1797	1835	1916	1983	2028	2050	2063	2156
60.0	1452	1454	1506	1538	1614	1644	1677	1681	1753	1822
62.5	1219	1214	1251	1288	1330	1355	1377	1413	1462	1514
65.0	1007	1001	1024	1069	1086	1104	1134	1172	1206	1229
67.5	820.1	811.2	828.8	861.7	873.1	888.3	922.9	951.6	968.9	966.3
70.0	650.7	643.8	658.0	674.9	688.2	711.6	732.5	748.1	758.6	795.4
72.5	496.2	488.0	507.1	516.6	527.4	555.6	563.8	574.0	611.7	641.3
75.0	371.6	365.4	381.4	386.6	397.8	418.1	427.2	445.2	471.2	492.3
77.5	270.7	263.3	270.2	281.6	288.2	305.8	319.1	326.8	337.2	348.1
80.0	177.4	164.4	175.1	191.2	198.0	215.2	218.4	215.3	208.4	197.8
82.5	97.19	95.39	109.6	122.4	125.5	132.8	122.0	93.27	60.96	26.62
85.0	54.64	56.70	64.41	73.00	57.18	33.44	0	0	0	0
87.5	48.07	48.15	40.42	0	0	0	0	0	0	0
90.0	42.55	0	0	0	0	0	0	0	0	0
G/C	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0
0.0	12464	12464	12464	12464	12464	12464	12464	12464	12464	12464
2.5	12362	12358	12354	12352	12350	12349	12349	12349	12350	12351
5.0	12244	12239	12235	12234	12232	12232	12232	12234	12237	12239
7.5	12107	12105	12105	12106	12108	12111	12114	12118	12123	12127
10.0	11951	11955	11962	11969	11977	11986	11994	12002	12010	12015
12.5	11778	11791	11807	11824	11841	11857	11872	11885	11896	11903
15.0	11583	11611	11640	11669	11698	11725	11748	11767	11782	11791
17.5	11370	11415	11429	11394	11372	11358	11355	11358	11371	11388
20.0	11068	11013	10975	10950	10935	10931	10934	10943	10959	10979
22.5	10577	10533	10508	10496	10493	10499	10511	10528	10548	10569
25.0	10063	10037	10027	10032	10045	10063	10087	10112	10136	10159
27.5	9524	9521	9532	9558	9591	9624	9660	9694	9724	9748
30.0	8960	8988	9026	9074	9129	9181	9232	9277	9313	9337
32.5	8376	8436	8507	8580	8633	8555	8559	8576	8602	8637
35.0	7771	7866	7860	7840	7832	7831	7843	7864	7891	7925
37.5	7122	7115	7108	7099	7101	7109	7127	7152	7181	7212
40.0	6363	6363	6361	6362	6369	6386	6410	6440	6470	6498
42.5	5630	5630	5624	5629	5640	5665	5693	5728	5759	5784
45.0	4925	4921	4902	4902	4915	4945	4978	5017	5048	5069
47.5	4256	4237	4196	4181	4251	4336	4397	4458	4496	4513
50.0	3620	3582	3590	3667	3744	3804	3849	3906	3944	3965
52.5	3019	3096	3147	3198	3250	3281	3303	3355	3391	3417
55.0	2615	2683	2719	2744	2767	2766	2761	2804	2839	2870
57.5	2233	2286	2304	2303	2294	2258	2222	2253	2286	2324
60.0	1877	1905	1902	1875	1831	1758	1687	1703	1734	1778
62.5	1541	1540	1511	1468	1475	1461	1442	1485	1523	1551
65.0	1224	1210	1248	1273	1278	1266	1248	1281	1312	1336
67.5	993.5	1030	1061	1080	1082	1072	1055	1077	1102	1122
70.0	827.1	855.3	877.7	888.8	887.1	876.9	861.6	874.5	891.3	906.9
72.5	665.6	684.4	697.2	699.7	693.0	681.6	668.5	671.9	680.7	692.0
75.0	508.0	516.9	519.5	512.2	499.7	486.4	475.4	469.7	470.2	477.0
77.5	354.3	352.5	334.0	307.7	283.1	262.1	246.3	236.9	235.1	240.5
80.0	176.1	147.0	115.0	82.68	54.16	30.91	13.85	3.482	0	3.535
82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-01-03

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 9.500m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

Photometric Data Table [cd]

87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	100.0	105.0	110.0	115.0	120.0	125.0	130.0	135.0	140.0	145.0
0.0	12464	12464	12464	12464	12464	12464	12464	12464	12464	12464
2.5	12353	12355	12359	12362	12366	12371	12376	12383	12389	12396
5.0	12242	12246	12251	12257	12263	12270	12278	12287	12297	12308
7.5	12131	12137	12141	12147	12152	12159	12166	12174	12183	12195
10.0	12020	12025	12028	12031	12035	12036	12039	12044	12048	12055
12.5	11909	11912	11912	11911	11907	11903	11899	11895	11893	11893
15.0	11797	11797	11793	11784	11774	11760	11745	11730	11718	11709
17.5	11415	11447	11488	11539	11599	11607	11579	11550	11523	11499
20.0	11004	11036	11074	11119	11175	11243	11326	11352	11306	11265
22.5	10593	10621	10652	10690	10737	10795	10869	10963	11067	11001
25.0	10181	10203	10224	10250	10283	10328	10390	10471	10577	10701
27.5	9767	9781	9790	9799	9814	9842	9885	9949	10031	10146
30.0	9352	9354	9348	9338	9332	9337	9354	9388	9448	9546
32.5	8681	8732	8793	8866	8836	8810	8795	8797	8828	8899
35.0	7963	8004	8054	8117	8191	8264	8210	8174	8169	8203
37.5	7243	7275	7312	7359	7417	7489	7563	7519	7468	7467
40.0	6520	6543	6569	6597	6642	6699	6754	6794	6736	6696
42.5	5797	5811	5825	5832	5869	5914	5962	5982	5988	5898
45.0	5072	5074	5081	5068	5098	5142	5190	5204	5174	5091
47.5	4497	4458	4390	4309	4336	4390	4445	4465	4427	4339
50.0	3956	3926	3865	3776	3679	3663	3737	3772	3743	3664
52.5	3418	3399	3353	3289	3212	3144	3065	3129	3123	3071
55.0	2881	2878	2853	2815	2765	2716	2649	2562	2575	2556
57.5	2347	2362	2365	2354	2334	2307	2261	2189	2105	2119
60.0	1814	1852	1886	1906	1917	1915	1894	1846	1787	1742
62.5	1552	1539	1517	1481	1513	1540	1550	1534	1502	1465
65.0	1338	1329	1312	1282	1246	1203	1227	1245	1239	1216
67.5	1125	1120	1109	1087	1059	1026	994.4	976.3	993.9	987.3
70.0	911.9	911.4	907.8	895.0	876.1	852.5	829.5	806.1	775.3	773.4
72.5	699.0	704.2	708.6	706.1	696.0	683.1	669.1	653.2	629.4	593.5
75.0	486.2	498.0	511.1	519.5	519.4	517.1	512.3	505.4	490.3	466.5
77.5	251.2	267.7	289.6	313.7	334.9	354.3	358.8	361.8	357.5	348.8
80.0	14.12	31.57	55.41	84.32	115.3	147.8	178.8	209.0	230.4	237.8
82.5	0	0	0	0	0	0	0	28.19	68.10	106.5
85.0	0	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	150.0	155.0	160.0	165.0	170.0	175.0	180.0	185.0	190.0	195.0
0.0	12464	12464	12464	12464	12464	12464	12464	12464	12464	12464
2.5	12403	12411	12419	12428	12437	12446	12456	12443	12430	12417
5.0	12319	12332	12346	12362	12379	12396	12415	12388	12362	12338
7.5	12207	12222	12239	12258	12279	12303	12330	12329	12252	12218
10.0	12065	12079	12096	12117	12143	12173	12208	12154	12104	12060
12.5	11898	11906	11921	11942	11970	12004	12046	11978	11918	11865
15.0	11705	11706	11716	11734	11762	11801	11850	11767	11695	11635
17.5	11483	11474	11475	11489	11515	11556	11611	11514	11432	11366
20.0	11231	11207	11197	11202	11226	11270	11333	11220	11126	11054
22.5	10944	10899	10873	10867	10887	10931	11003	10873	10772	10696
25.0	10613	10544	10498	10480	10491	10538	10618	10471	10359	10284
27.5	10245	10146	10075	10037	10040	10084	10173	10008	9889	9814
30.0	9685	9698	9595	9536	9526	9569	9667	9483	9356	9286
32.5	9013	9187	9058	8967	8936	8970	9075	8877	8751	8690
35.0	8293	8443	8453	8327	8273	8299	8411	8203	8079	8034
37.5	7523	7638	7788	7617	7530	7541	7656	7448	7339	7320
40.0	6711	6792	6937	6839	6721	6715	6830	6632	6549	6565
42.5	5878	5924	6026	6024	5870	5846	5958	5785	5735	5788
45.0	5053	5071	5130	5183	5004	4966	5076	4940	4929	5026
47.5	4265	4269	4286	4305	4162	4122	4225	4137	4172	4272
50.0	3569	3553	3530	3510	3417	3368	3445	3420	3503	3590
52.5	3000	2949	2907	2859	2800	2733	2789	2803	2935	3008
55.0	2518	2459	2397	2330	2287	2232	2285	2313	2449	2499
57.5	2098	2049	1971	1896	1876	1840	1890	1918	2040	2068
60.0	1743	1694	1620	1559	1545	1532	1570	1596	1673	1708
62.5	1439	1394	1336	1291	1287	1280	1305	1329	1381	1411
65.0	1183	1148	1100	1072	1068	1068	1085	1102	1132	1168
67.5	963.6	941.2	900.2	880.4	872.0	876.8	880.9	902.2	918.3	951.3
70.0	766.9	753.4	727.5	706.9	696.2	704.9	698.0	726.1	731.1	754.3
72.5	589.3	590.3	572.3	554.3	539.1	549.4	537.5	565.8	563.0	590.1
75.0	448.3	447.6	438.7	430.1	417.1	420.0	417.0	431.9	439.1	463.1
77.5	341.6	333.5	326.6	323.7	319.8	317.4	318.4	330.7	343.9	358.1

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-01-03

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 9.500m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

Photometric Data Table [cd]

80.0	241.9	240.9	233.1	228.6	227.7	208.0	229.2	243.6	261.7	265.2
82.5	144.2	155.4	154.4	148.2	140.1	118.5	123.0	155.0	171.5	182.0
85.0	0	40.59	76.87	83.31	84.23	75.87	57.78	91.03	110.8	114.0
87.5	0	0	0	0	43.24	52.80	46.50	81.83	71.74	0
90.0	0	0	0	0	0	0	45.57	0	0	0
G/C	200.0	205.0	210.0	215.0	220.0	225.0	230.0	235.0	240.0	245.0
0.0	12464	12464	12464	12464	12464	12464	12464	12464	12464	12464
2.5	12405	12393	12383	12372	12363	12354	12345	12338	12332	12327
5.0	12315	12293	12273	12256	12239	12224	12211	12200	12190	12182
7.5	12187	12158	12132	12110	12091	12073	12059	12047	12037	12029
10.0	12021	11988	11958	11935	11915	11900	11888	11879	11872	11867
12.5	11820	11783	11754	11732	11715	11705	11698	11695	11695	11696
15.0	11587	11549	11522	11503	11492	11488	11491	11498	11507	11517
17.5	11314	11278	11256	11245	11246	11254	11268	11287	11287	11277
20.0	11002	10970	10956	10957	10972	10996	10964	10884	10824	10779
22.5	10649	10623	10621	10638	10672	10566	10476	10407	10355	10321
25.0	10242	10232	10248	10286	10151	10043	9964	9910	9873	9851
27.5	9784	9792	9832	9713	9584	9490	9428	9392	9374	9371
30.0	9269	9299	9246	9094	8983	8908	8866	8854	8862	8881
32.5	8691	8743	8567	8435	8347	8298	8282	8297	8334	8380
35.0	8062	8004	7851	7747	7681	7661	7677	7719	7706	7686
37.5	7385	7232	7109	7032	6997	7001	7033	7015	7000	6988
40.0	6583	6445	6352	6302	6299	6315	6316	6311	6300	6293
42.5	5760	5666	5600	5572	5590	5617	5618	5618	5610	5605
45.0	4974	4918	4878	4860	4908	4948	4950	4941	4931	4925
47.5	4252	4235	4207	4225	4275	4308	4311	4284	4264	4251
50.0	3607	3629	3622	3653	3688	3709	3701	3652	3678	3745
52.5	3052	3104	3122	3134	3157	3155	3122	3177	3228	3274
55.0	2567	2642	2667	2674	2672	2656	2718	2766	2794	2816
57.5	2148	2213	2252	2260	2239	2295	2339	2371	2375	2371
60.0	1789	1839	1880	1883	1915	1956	1981	1993	1973	1937
62.5	1469	1521	1552	1584	1618	1637	1643	1628	1584	1524
65.0	1202	1246	1279	1317	1339	1338	1321	1297	1323	1331
67.5	976.4	1013	1044	1069	1078	1057	1085	1114	1135	1140
70.0	784.3	814.2	830.0	840.0	845.5	881.7	913.9	936.1	950.1	949.3
72.5	617.0	640.9	639.6	650.7	697.7	726.4	748.2	762.7	768.0	760.4
75.0	479.6	492.1	492.7	522.4	557.3	577.5	588.2	593.5	588.4	573.3
77.5	368.4	376.0	386.2	403.3	423.9	433.6	432.6	427.1	392.6	353.9
80.0	275.5	283.2	286.3	291.5	296.8	266.4	222.4	178.8	135.4	95.24
82.5	197.3	196.1	186.4	137.7	88.67	36.01	0	0	0	0
85.0	115.1	54.07	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	250.0	255.0	260.0	265.0	270.0	275.0	280.0	285.0	290.0	295.0
0.0	12464	12464	12464	12464	12464	12464	12464	12464	12464	12464
2.5	12322	12318	12315	12314	12313	12312	12313	12314	12317	12320
5.0	12175	12169	12166	12163	12162	12161	12162	12164	12168	12173
7.5	12022	12017	12014	12011	12011	12010	12011	12013	12016	12021
10.0	11863	11861	11860	11860	11860	11859	11860	11860	11861	11863
12.5	11699	11701	11704	11707	11709	11709	11708	11706	11704	11701
15.0	11528	11538	11546	11553	11558	11558	11555	11551	11543	11533
17.5	11188	11159	11142	11133	11133	11139	11155	11179	11212	11255
20.0	10746	10724	10711	10706	10708	10715	10729	10751	10779	10818
22.5	10298	10284	10279	10279	10283	10290	10303	10318	10341	10372
25.0	9843	9841	9844	9850	9858	9865	9874	9883	9897	9917
27.5	9381	9393	9407	9421	9433	9440	9444	9445	9448	9453
30.0	8910	8941	8970	8992	9009	9014	9014	9004	8993	8980
32.5	8354	8338	8327	8325	8331	8344	8366	8398	8444	8497
35.0	7667	7656	7648	7648	7654	7664	7679	7705	7745	7788
37.5	6982	6975	6970	6972	6976	6984	6992	7012	7045	7078
40.0	6299	6295	6292	6295	6299	6303	6303	6318	6343	6368
42.5	5616	5617	5615	5619	5621	5621	5614	5626	5641	5660
45.0	4931	4939	4938	4943	4944	4938	4926	4934	4940	4954
47.5	4297	4353	4384	4411	4421	4415	4384	4355	4298	4255
50.0	3791	3829	3856	3885	3899	3899	3877	3852	3804	3746
52.5	3297	3310	3330	3359	3376	3385	3371	3352	3317	3270
55.0	2815	2797	2804	2833	2854	2870	2866	2856	2836	2806
57.5	2343	2289	2279	2307	2332	2357	2362	2364	2361	2354
60.0	1879	1787	1754	1781	1809	1844	1861	1875	1894	1914
62.5	1526	1493	1507	1562	1596	1616	1602	1572	1534	1494
65.0	1333	1305	1310	1354	1383	1399	1388	1364	1334	1301
67.5	1138	1116	1116	1148	1170	1182	1174	1158	1135	1110
70.0	944.1	926.3	922.0	941.9	956.7	965.3	961.6	952.0	938.3	923.3

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-01-03

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 9.500m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

Photometric Data Table [cd]

72.5	750.7	735.9	729.0	736.4	743.5	748.8	749.6	747.4	743.6	738.5
75.0	557.8	544.8	536.7	531.2	530.4	532.4	538.2	543.9	550.4	555.5
77.5	321.3	296.7	279.3	268.2	265.2	268.7	279.2	294.8	316.3	342.0
80.0	61.49	34.98	15.70	3.942	0	3.949	15.69	34.75	60.52	91.91
82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	300.0	305.0	310.0	315.0	320.0	325.0	330.0	335.0	340.0	345.0
0.0	12464	12464	12464	12464	12464	12464	12464	12464	12464	12464
2.5	12324	12329	12335	12343	12351	12359	12368	12378	12389	12400
5.0	12179	12187	12196	12206	12219	12233	12248	12265	12284	12305
7.5	12026	12034	12043	12053	12066	12082	12100	12122	12146	12173
10.0	11866	11869	11875	11884	11894	11908	11927	11950	11977	12009
12.5	11698	11696	11695	11697	11703	11713	11728	11749	11776	11812
15.0	11522	11512	11502	11494	11491	11492	11500	11517	11544	11580
17.5	11310	11318	11295	11273	11256	11244	11241	11250	11271	11307
20.0	10868	10930	11005	11032	10993	10965	10948	10945	10957	10987
22.5	10414	10465	10530	10612	10706	10655	10615	10591	10588	10609
25.0	9944	9983	10033	10104	10195	10306	10235	10187	10164	10171
27.5	9463	9482	9516	9567	9634	9731	9811	9732	9684	9674
30.0	8969	8968	8976	8997	9039	9113	9222	9232	9152	9117
32.5	8464	8436	8413	8400	8415	8461	8542	8666	8554	8485
35.0	7843	7888	7825	7782	7764	7773	7819	7902	7880	7776
37.5	7120	7161	7192	7144	7084	7055	7051	7087	7150	7010
40.0	6402	6426	6447	6455	6386	6308	6263	6256	6295	6183
42.5	5685	5701	5715	5702	5662	5558	5474	5418	5392	5308
45.0	4974	4990	4997	4976	4918	4821	4696	4605	4526	4445
47.5	4276	4299	4303	4283	4225	4108	3979	3877	3755	3658
50.0	3665	3625	3639	3635	3587	3476	3366	3256	3120	3016
52.5	3205	3120	3011	3040	3010	2929	2845	2750	2614	2504
55.0	2762	2696	2605	2514	2507	2459	2391	2321	2204	2070
57.5	2337	2293	2230	2159	2072	2046	2005	1947	1854	1711
60.0	1926	1911	1880	1831	1765	1691	1667	1615	1559	1435
62.5	1529	1549	1552	1530	1482	1427	1378	1338	1283	1212
65.0	1268	1224	1242	1250	1226	1188	1140	1099	1051	1021
67.5	1085	1050	1017	991.6	994.5	970.7	934.3	894.3	855.3	834.6
70.0	905.9	880.6	856.3	825.7	788.5	772.0	750.3	721.8	683.2	664.3
72.5	729.8	715.3	700.7	677.1	646.7	604.0	585.6	572.4	535.6	519.8
75.0	556.9	553.6	548.5	534.4	511.9	480.6	453.9	443.3	418.5	402.9
77.5	369.9	394.9	399.4	396.2	383.9	366.3	351.1	338.0	321.6	308.2
80.0	127.4	165.4	203.9	239.8	261.4	259.2	255.4	250.7	238.5	223.6
82.5	0	0	0	32.38	77.76	120.1	160.8	170.8	166.5	154.4
85.0	0	0	0	0	0	0	0	46.50	92.11	107.0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	350.0	355.0								
0.0	12464	12464								
2.5	12412	12424								
5.0	12327	12351								
7.5	12203	12237								
10.0	12047	12090								
12.5	11855	11905								
15.0	11628	11688								
17.5	11357	11424								
20.0	11038	11111								
22.5	10658	10734								
25.0	10211	10290								
27.5	9706	9784								
30.0	9135	9213								
32.5	8482	8551								
35.0	7754	7818								
37.5	6953	6998								
40.0	6091	6120								
42.5	5190	5202								
45.0	4314	4313								
47.5	3542	3523								
50.0	2927	2898								
52.5	2417	2386								
55.0	1977	1966								
57.5	1625	1643								
60.0	1379	1387								
62.5	1168	1167								

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-01-03

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 9.500m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

Photometric Data Table [cd]

65.0	972.7	965.9
67.5	799.3	788.1
70.0	645.3	633.8
72.5	505.0	485.7
75.0	391.4	368.8
77.5	293.5	276.9
80.0	207.8	192.0
82.5	140.3	124.4
85.0	97.46	81.35
87.5	71.77	83.76
90.0	0	0

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-01-03

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks: