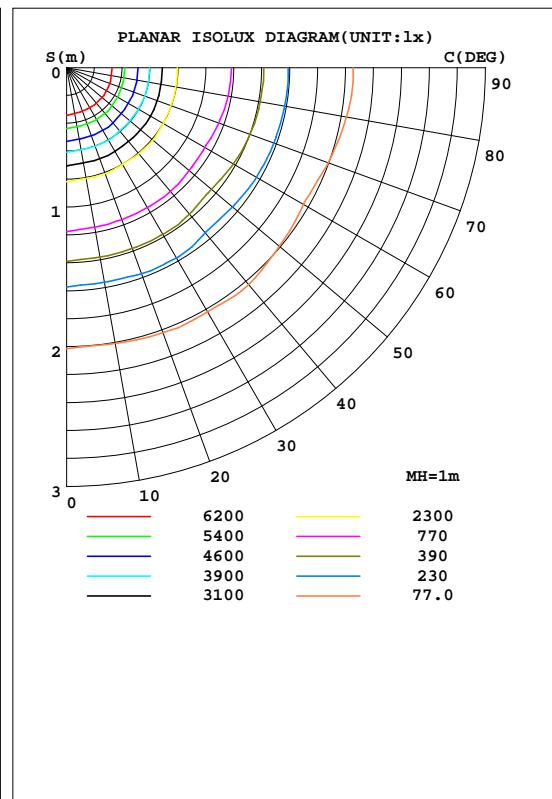
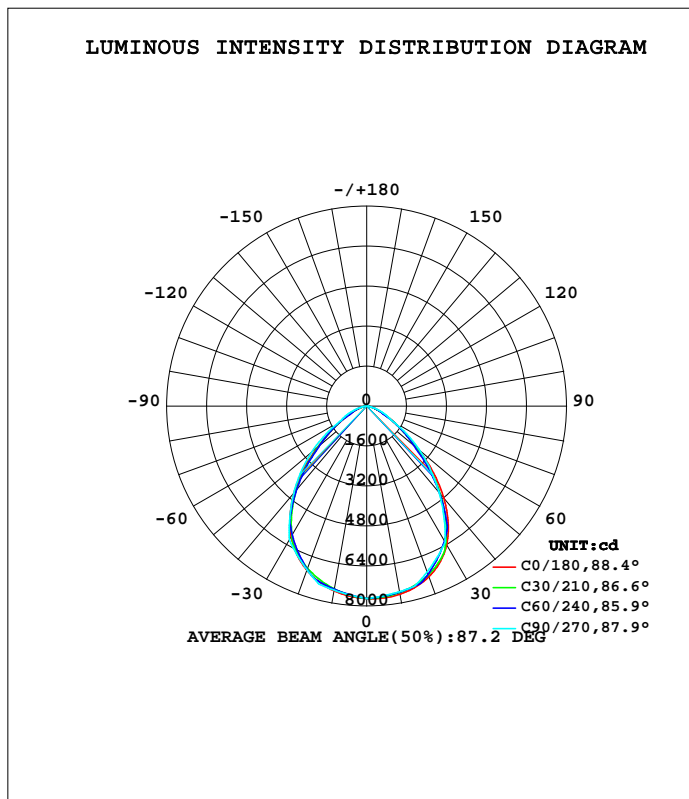


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.0V I:0.4280A P:96.70W PF:0.9820 Lamp Flux:14743.3x1 lm		
NAME: HB-H-100W-NW	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 152.46 lm/W			
MODEL		I _{max} (cd)	7712	S/MH(C0/180)	1.23
NOMINAL POWER(W)	98	LOR(%)	100.0	S/MH(C90/270)	1.20
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	14743	η UP, DN(C0-180)	0.0, 50.0
NOMINAL FLUX(lm)	14743.3	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 50.0
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230.0	η down(%)	100.0	CIBSE SHR MAX	1.25



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-01-22

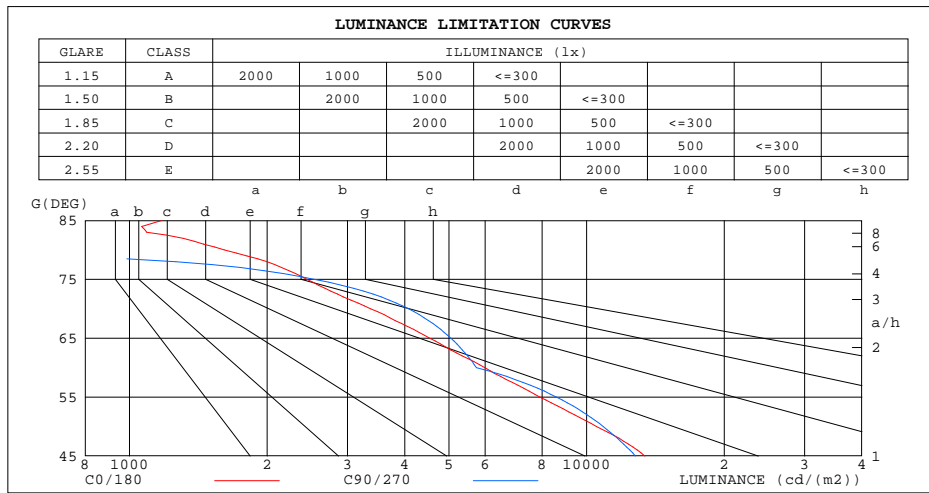
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
 Humidity:65.0%
 Test Distance:9.500m [K=1.0000]
 Remarks:

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	7707	7653	7621	7604	7637	7583	7593	7633	0- 5	183.0	183.0	1.24,1.24
10	7646	7567	7540	7474	7509	7430	7483	7528	5- 10	541.4	724.4	4.91,4.91
15	7506	7436	7460	7302	7297	7232	7374	7381	10- 15	882.3	1607	10.9,10.9
20	7270	7258	7070	7085	6994	6986	6978	7185	15- 20	1190	2797	19,19
25	6916	6799	6680	6597	6583	6495	6582	6737	20- 25	1439	4236	28.7,28.7
30	6405	6206	6290	5998	6043	5895	6186	6178	25- 30	1620	5857	39.7,39.7
35	5684	5521	5399	5323	5356	5220	5363	5541	30- 35	1707	7563	51.3,51.3
40	4808	4702	4509	4542	4526	4437	4540	4785	35- 40	1664	9228	62.6,62.6
45	3796	3581	3618	3520	3591	3414	3717	3730	40- 45	1505	10733	72.8,72.8
50	2705	2544	2795	2543	2568	2452	2887	2705	45- 50	1251	11983	81.3,81.3
55	1815	1633	1972	1663	1741	1609	2057	1757	50- 55	959.0	12942	87.8,87.8
60	1199	1157	1149	1161	1128	1153	1227	1234	55- 60	688.1	13630	92.5,92.5
65	767.9	755.7	853.6	747.5	728.5	765.3	919.5	803.7	60- 65	467.7	14098	95.6,95.6
70	460.9	468.7	558.1	459.9	432.7	484.4	611.8	509.4	65- 70	320.8	14419	97.8,97.8
75	253.0	283.5	262.6	275.6	237.5	302.9	304.1	315.5	70- 75	201.6	14620	99.2,99.2
80	112.0	103.6	0	104.5	111.6	124.8	0	131.9	75- 80	97.55	14718	99.8,99.8
85	41.06	0	0	0	35.18	0	0	0	80- 85	21.96	14740	100,100
90	31.02	0	0	0	30.47	0	0	0	85- 90	3.312	14743	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:cd									UNIT:lm		



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-01-22

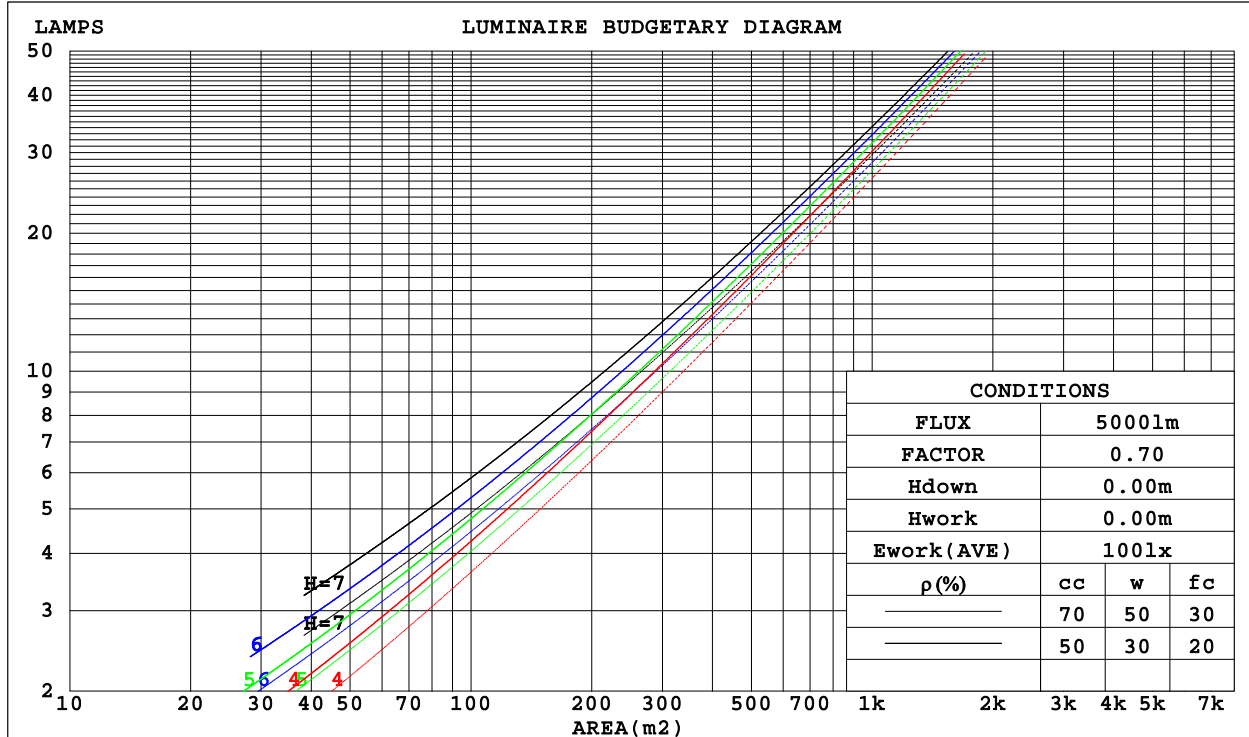
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.0V I:0.4280A P:96.70W PF:0.9820 Lamp Flux:14743.3x1 lm		
NAME: HB-H-100W-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	1.00
1.0	1.08	1.04	1.01	1.05	1.02	.90	1.01	.99	.97	.97	.95	.94	.94	.92	.91	.89
2.0	.97	.91	.87	.95	.90	.86	.91	.87	.84	.88	.85	.82	.85	.83	.80	.78
3.0	.87	.80	.75	.85	.79	.74	.83	.77	.73	.80	.76	.72	.78	.74	.71	.69
4.0	.79	.71	.66	.77	.70	.65	.75	.69	.64	.73	.68	.63	.71	.66	.63	.61
5.0	.71	.64	.58	.70	.63	.58	.68	.62	.57	.66	.61	.57	.65	.60	.56	.54
6.0	.65	.57	.52	.64	.57	.51	.63	.56	.51	.61	.55	.51	.59	.54	.50	.48
7.0	.60	.52	.46	.59	.52	.46	.57	.51	.46	.56	.50	.46	.55	.49	.45	.44
8.0	.55	.47	.42	.54	.47	.42	.53	.46	.42	.52	.46	.41	.51	.45	.41	.40
9.0	.51	.43	.38	.50	.43	.38	.49	.43	.38	.48	.42	.38	.47	.42	.38	.36
10.0	.47	.40	.35	.47	.40	.35	.46	.39	.35	.45	.39	.35	.44	.39	.35	.33



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-01-22

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:230.0V I:0.4280A P:96.70W PF:0.9820 Lamp Flux:14743.3x1 lm		
NAME: HB-H-100W-NW	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	.207	.119	.038	.196	.113	.037	
2.0	.232	.127	.039	.226	.125	.038	.215	.120	.037	.205	.115	.036	.195	.110	.035	
3.0	.221	.118	.035	.216	.116	.035	.206	.112	.034	.197	.108	.033	.189	.104	.032	
4.0	.209	.109	.032	.204	.107	.032	.196	.104	.031	.188	.101	.030	.180	.098	.030	
5.0	.197	.100	.029	.193	.099	.029	.185	.096	.028	.178	.094	.028	.172	.092	.028	
6.0	.186	.093	.027	.182	.092	.026	.175	.090	.026	.169	.088	.026	.163	.086	.026	
7.0	.175	.087	.025	.172	.086	.024	.166	.084	.024	.160	.082	.024	.155	.081	.024	
8.0	.166	.081	.023	.163	.080	.023	.157	.079	.022	.152	.077	.022	.148	.076	.022	
9.0	.157	.076	.021	.154	.075	.021	.149	.074	.021	.145	.073	.021	.141	.071	.021	
10.0	.149	.071	.020	.147	.071	.020	.142	.070	.020	.138	.069	.019	.134	.067	.019	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	.070	.091	.068	.049	.053	.040	.029	.017	.013	.010	
4.0	.147	.100	.064	.126	.086	.056	.087	.060	.039	.050	.035	.023	.016	.011	.008	
5.0	.140	.089	.052	.120	.077	.045	.083	.054	.032	.048	.032	.019	.015	.010	.006	
6.0	.133	.081	.043	.114	.070	.038	.079	.049	.027	.046	.029	.016	.015	.009	.005	
7.0	.127	.074	.036	.109	.064	.032	.075	.045	.022	.044	.026	.013	.014	.009	.004	
8.0	.121	.068	.031	.104	.059	.027	.072	.041	.019	.042	.024	.012	.014	.008	.004	
9.0	.115	.063	.027	.099	.054	.024	.069	.038	.017	.040	.023	.010	.013	.007	.003	
10.0	.110	.058	.024	.095	.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:2024-01-22

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:230.0V I:0.4280A P:96.70W PF:0.9820 Lamp Flux:14743.3x1 lm										
NAME: HB-H-100W-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	19.4	20.7	19.6	20.8	21.0	19.4	20.7	19.7	20.9	21.1
3H	19.6	20.8	19.9	21.1	21.3	19.8	21.0	20.1	21.2	21.5
4H	19.7	20.8	20.0	21.1	21.3	19.9	21.0	20.2	21.3	21.5
6H	19.7	20.7	20.0	21.0	21.2	19.8	20.9	20.2	21.2	21.4
8H	19.6	20.7	20.0	20.9	21.2	19.8	20.8	20.1	21.1	21.4
12H	19.6	20.6	19.9	20.9	21.1	19.7	20.7	20.1	21.0	21.3
4H 2H	19.5	20.6	19.8	20.8	21.1	19.5	20.6	19.8	20.9	21.1
3H	19.9	20.8	20.2	21.1	21.4	20.0	21.0	20.4	21.3	21.6
4H	20.0	20.9	20.3	21.2	21.5	20.2	21.0	20.5	21.4	21.7
6H	20.0	20.8	20.4	21.1	21.5	20.1	20.9	20.5	21.2	21.6
8H	20.0	20.7	20.4	21.1	21.4	20.1	20.8	20.5	21.1	21.5
12H	20.0	20.6	20.4	21.0	21.4	20.0	20.7	20.4	21.1	21.5
8H 4H	20.0	20.7	20.4	21.0	21.4	20.1	20.9	20.5	21.2	21.6
6H	20.0	20.6	20.5	21.0	21.4	20.1	20.7	20.5	21.1	21.5
8H	20.0	20.5	20.5	21.0	21.4	20.1	20.6	20.5	21.0	21.4
12H	20.0	20.5	20.5	20.9	21.4	20.0	20.5	20.5	20.9	21.4
12H 4H	19.9	20.6	20.3	20.9	21.3	20.1	20.8	20.5	21.1	21.5
6H	20.0	20.5	20.4	20.9	21.4	20.1	20.6	20.5	21.0	21.5
8H	20.0	20.4	20.5	20.9	21.4	20.0	20.5	20.5	20.9	21.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.9 / - 1.2					+ 0.8 / - 1.0				
1.5H	+ 0.6 / - 0.7					+ 0.5 / - 0.7				
2.0H	+ 2.1 / - 1.8					+ 1.9 / - 2.7				

CIE Pub.117 Corrected 14743 lm Total Lamp Luminous Flux.(8log(F/F0) = 9.3)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-01-22

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:230.0V I:0.4280A P:96.70W PF:0.9820 Lamp Flux:14743.3x1 lm		
NAME: HB-H-100W-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	68	58	52	67	58	52	66	57	52	46
0.80	78	68	62	77	68	62	75	67	62	56
1.00	86	77	71	85	76	71	83	77	70	64
1.25	92	84	78	91	83	78	88	82	77	71
1.50	96	89	83	95	88	83	92	86	82	76
2.00	102	95	90	100	94	89	97	92	88	81
2.50	104	99	94	103	97	93	99	95	91	84
3.00	107	102	98	105	100	97	101	98	94	87
4.00	110	106	102	108	104	101	104	101	98	90
5.00	112	108	105	109	106	103	105	103	100	92
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

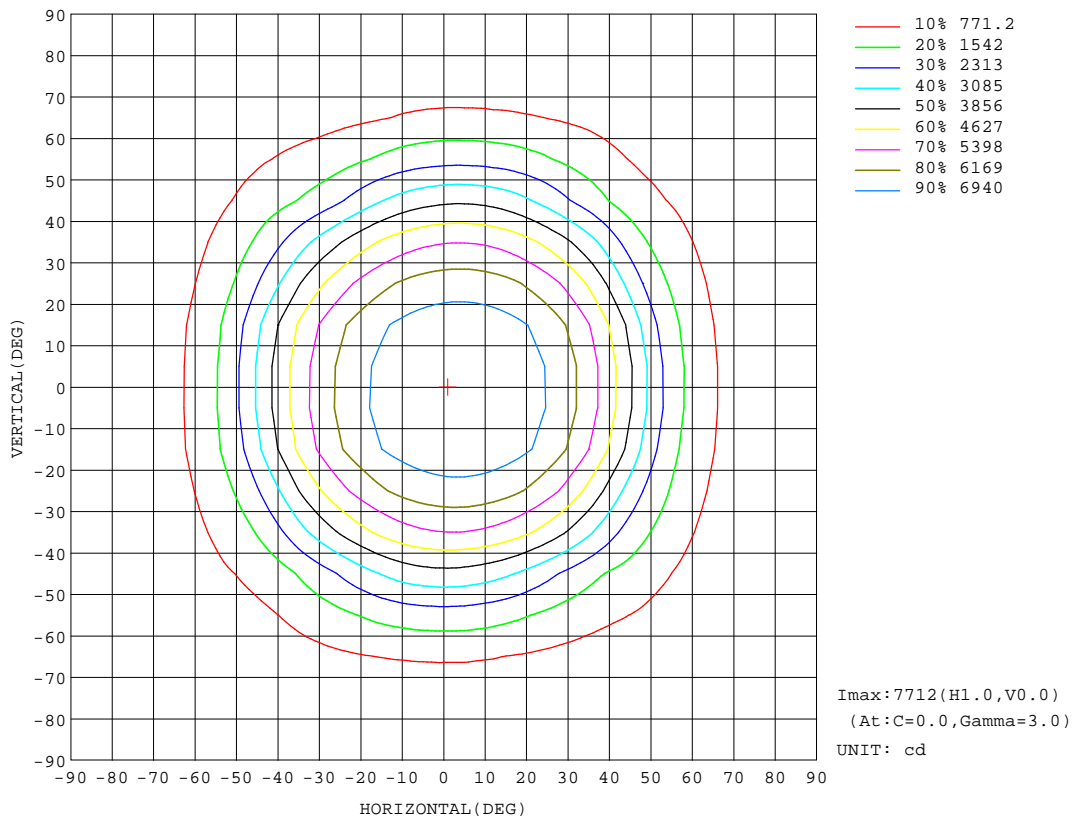
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-01-22

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:230.0V I:0.4280A P:96.70W PF:0.9820 Lamp Flux:14743.3x1 lm		
NAME: HB-H-100W-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:2024-01-22

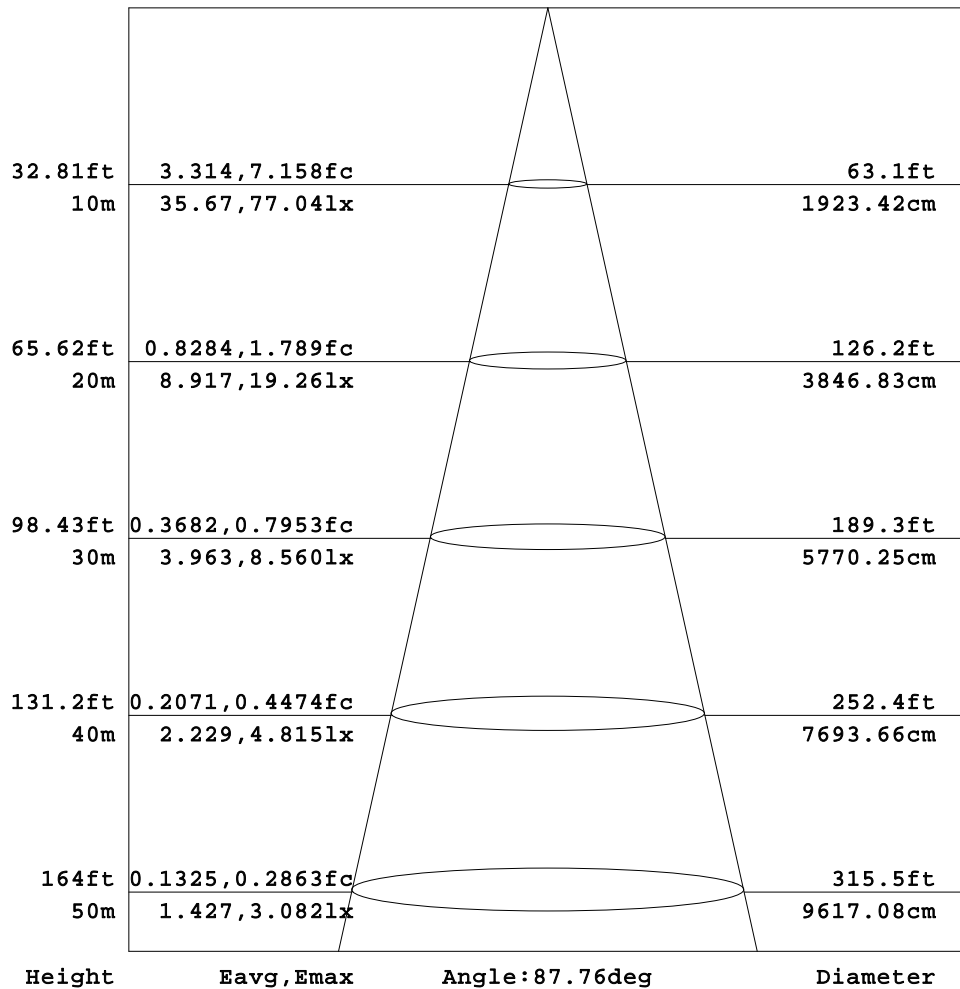
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

AAI Figure

Test:U:230.0V I:0.4280A P:96.70W PF:0.9820 Lamp Flux:14743.3x1 lm		
NAME: HB-H-100W-NW	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

Flux out:10449 lm



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

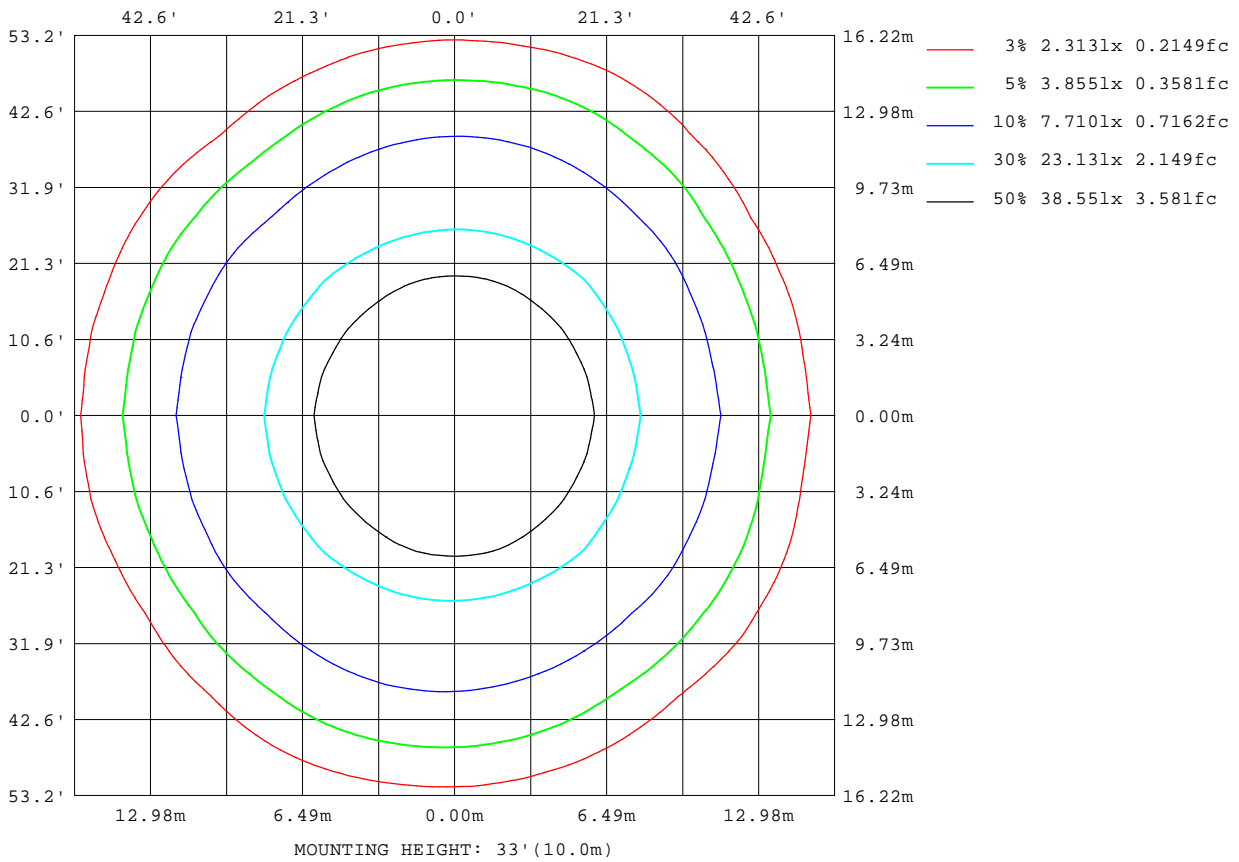
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-01-22

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:230.0V I:0.4280A P:96.70W PF:0.9820 Lamp Flux:14743.3x1 lm		
NAME: HB-H-100W-NW	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

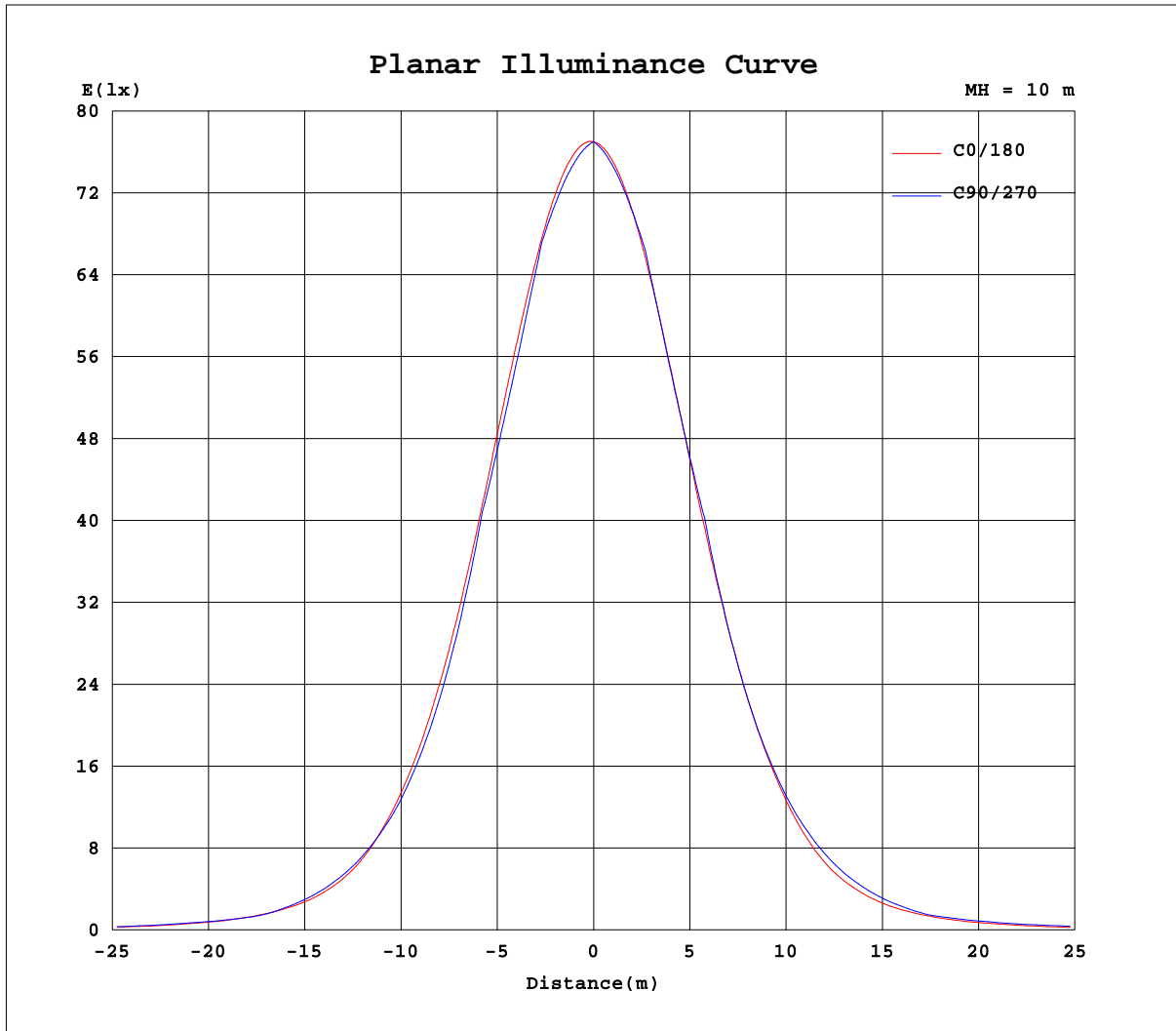


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-01-22

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: 2024-01-22

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:230.0V I:0.4280A P:96.70W PF:0.9820 Lamp Flux:14743.3x1 lm		
NAME: HB-H-100W-NW	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702
5	7707	7700	7693	7686	7679	7673	7668	7663	7658	7653	7648	7645	7641	7637	7634	7630	7627	7624	7621
10	7646	7631	7617	7605	7595	7587	7580	7575	7570	7567	7564	7562	7560	7558	7556	7553	7550	7546	7540
15	7506	7481	7461	7446	7436	7429	7427	7427	7431	7436	7443	7451	7458	7464	7467	7469	7469	7466	7460
20	7270	7234	7207	7190	7184	7187	7198	7214	7235	7258	7244	7203	7171	7146	7126	7108	7094	7081	7070
25	6916	6862	6826	6811	6813	6832	6866	6912	6848	6799	6762	6739	6722	6714	6710	6705	6700	6692	6680
30	6405	6327	6282	6270	6290	6340	6337	6270	6226	6206	6202	6211	6228	6250	6273	6290	6302	6301	6290
35	5684	5587	5540	5541	5588	5581	5518	5497	5499	5521	5563	5620	5565	5512	5469	5439	5420	5409	5399
40	4808	4695	4651	4675	4699	4618	4588	4600	4656	4702	4631	4574	4532	4507	4494	4486	4491	4502	4509
45	3796	3674	3644	3702	3626	3578	3586	3653	3628	3581	3541	3503	3484	3488	3505	3523	3556	3591	3618
50	2705	2599	2581	2597	2583	2568	2582	2607	2592	2544	2488	2444	2492	2575	2645	2698	2739	2777	2795
55	1815	1748	1762	1770	1787	1798	1794	1786	1717	1633	1690	1743	1803	1852	1892	1920	1942	1967	1972
60	1199	1156	1163	1176	1218	1220	1211	1190	1174	1157	1160	1168	1170	1169	1166	1154	1153	1160	1149
65	768	748	753	773	775	783	786	797	800	756	706	666	695	733	771	799	832	854	854
70	461	448	456	466	462	475	487	483	466	469	464	465	482	503	522	534	549	559	558
75	253	247	252	252	259	261	264	276	284	284	278	275	278	280	280	274	268	265	263
80	112	108	112	118	123	131	130	126	115	104	90.8	75.8	59.9	44.5	29.9	17.2	7.73	1.96	0.00
85	41.1	41.8	43.8	49.0	38.7	20.1	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	31.0	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:2024-01-22

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:230.0V I:0.4280A P:96.70W PF:0.9820 Lamp Flux:14743.3x1 lm		
NAME: HB-H-100W-NW	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702
5	7618	7615	7613	7610	7608	7606	7605	7604	7604	7605	7606	7608	7611	7614	7619	7624	7630	7637	7628
10	7534	7527	7519	7511	7503	7494	7487	7480	7474	7469	7466	7464	7465	7468	7474	7483	7495	7509	7489
15	7449	7436	7421	7402	7384	7364	7342	7321	7302	7284	7269	7257	7249	7247	7250	7259	7275	7297	7266
20	7059	7050	7043	7041	7043	7050	7065	7089	7085	7045	7009	6979	6957	6943	6939	6946	6964	6994	6952
25	6664	6646	6627	6608	6591	6580	6575	6580	6597	6630	6680	6621	6573	6539	6521	6522	6542	6583	6528
30	6268	6237	6199	6156	6113	6070	6034	6008	5998	6006	6036	6093	6085	6019	5982	5972	5992	6043	5976
35	5392	5389	5389	5393	5402	5422	5442	5375	5323	5295	5290	5320	5382	5377	5305	5276	5293	5356	5279
40	4509	4506	4501	4485	4470	4467	4477	4502	4542	4506	4461	4447	4476	4547	4482	4428	4445	4526	4440
45	3628	3626	3610	3571	3533	3504	3495	3498	3520	3550	3571	3499	3470	3510	3580	3501	3504	3591	3507
50	2805	2804	2785	2739	2675	2591	2518	2520	2543	2565	2554	2524	2498	2509	2546	2517	2500	2568	2506
55	1983	1994	1994	1983	1953	1904	1831	1753	1663	1679	1692	1693	1675	1695	1722	1749	1711	1741	1703
60	1162	1188	1221	1257	1277	1274	1254	1220	1161	1090	1046	1105	1136	1149	1150	1168	1131	1128	1110
65	856	855	851	844	824	792	751	758	748	725	718	720	741	745	745	742	733	728	722
70	560	562	565	565	555	540	517	491	460	435	442	456	460	454	447	439	443	433	437
75	265	270	281	290	295	299	296	288	276	268	257	249	255	253	250	245	242	238	239
80	1.96	7.78	17.4	30.4	45.4	62.3	78.6	93.1	105	117	123	129	129	122	121	119	109	112	117
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	21.0	39.6	49.6	45.1	42.2	35.2	52.1
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	30.5	0.00

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-01-22

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:230.0V I:0.4280A P:96.70W PF:0.9820 Lamp Flux:14743.3x1 lm		
NAME: HB-H-100W-NW	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

Table--3

UNIT: cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702
5	7619	7611	7604	7598	7593	7589	7586	7583	7582	7581	7581	7581	7583	7585	7587	7589	7593	7596	7599
10	7472	7458	7446	7438	7432	7430	7429	7430	7433	7437	7443	7449	7455	7462	7469	7476	7483	7489	7495
15	7241	7223	7211	7205	7204	7209	7218	7232	7248	7265	7282	7300	7318	7335	7349	7362	7374	7382	7387
20	6922	6904	6897	6900	6911	6931	6956	6986	6986	6964	6952	6947	6945	6949	6956	6965	6978	6991	7007
25	6493	6480	6483	6503	6537	6582	6532	6495	6476	6469	6475	6489	6508	6527	6546	6565	6582	6597	6611
30	5939	5932	5951	5999	5998	5942	5907	5895	5902	5926	5960	6004	6051	6094	6133	6164	6186	6202	6211
35	5248	5260	5311	5304	5234	5195	5192	5220	5268	5331	5313	5300	5300	5309	5322	5342	5363	5389	5417
40	4417	4459	4505	4419	4381	4384	4416	4437	4389	4367	4364	4381	4409	4444	4477	4509	4540	4566	4587
45	3506	3582	3508	3449	3455	3508	3472	3414	3374	3372	3400	3449	3509	3573	3629	3675	3717	3743	3753
50	2531	2563	2534	2516	2527	2535	2511	2452	2390	2380	2467	2580	2674	2753	2810	2851	2887	2906	2920
55	1745	1725	1717	1724	1760	1750	1691	1609	1639	1695	1774	1840	1898	1959	2002	2029	2057	2069	2090
60	1132	1134	1136	1151	1172	1160	1157	1153	1143	1134	1146	1151	1152	1178	1199	1212	1227	1232	1261
65	726	731	741	745	754	779	789	765	711	655	684	722	762	820	871	902	920	917	915
70	432	439	447	462	470	474	468	484	480	473	484	506	527	558	586	602	612	612	613
75	241	247	254	260	262	280	297	303	300	294	295	299	301	303	304	303	304	307	313
80	126	130	135	144	147	146	142	125	104	85.9	66.9	49.1	32.8	19.2	8.81	2.24	0.00	2.27	9.07
85	63.7	68.8	61.5	28.4	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:2024-01-22

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:230.0V I:0.4280A P:96.70W PF:0.9820 Lamp Flux:14743.3x1 lm		
NAME: HB-H-100W-NW	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

Table--4

UNIT: cd

C(DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702				
5	7603	7607	7612	7616	7622	7627	7633	7640	7647	7654	7662	7670	7679	7688	7697				
10	7499	7504	7509	7513	7518	7522	7528	7535	7544	7553	7564	7576	7591	7608	7626				
15	7390	7390	7389	7387	7385	7382	7381	7381	7383	7388	7396	7409	7426	7448	7474				
20	7024	7043	7067	7095	7128	7168	7185	7168	7154	7146	7144	7151	7166	7191	7226				
25	6622	6633	6644	6659	6678	6702	6737	6786	6848	6816	6795	6786	6793	6815	6856				
30	6211	6206	6197	6184	6173	6170	6178	6203	6248	6311	6316	6276	6262	6279	6326				
35	5448	5483	5524	5569	5616	5572	5541	5525	5525	5548	5606	5609	5560	5554	5595				
40	4604	4618	4626	4644	4670	4716	4785	4757	4699	4677	4688	4745	4708	4675	4707				
45	3751	3739	3713	3689	3684	3700	3730	3772	3806	3702	3659	3674	3731	3660	3681				
50	2915	2893	2845	2761	2685	2681	2705	2726	2710	2656	2596	2585	2602	2588	2601				
55	2098	2098	2077	2028	1953	1867	1757	1769	1774	1752	1736	1728	1746	1769	1754				
60	1297	1328	1359	1356	1340	1303	1234	1144	1076	1136	1155	1171	1159	1164	1155				
65	913	895	882	844	812	818	804	771	746	735	749	756	759	743	741				
70	617	612	605	587	569	542	509	477	473	475	470	460	465	454	447				
75	322	331	338	339	338	329	316	303	288	274	273	270	264	259	250				
80	20.2	35.4	53.8	73.6	94.2	114	132	148	153	153	152	142	136	126	119				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.0	59.0	71.4	64.0	56.5				
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:2024-01-22

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	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702
2.5	7712	7708	7705	7701	7698	7694	7691	7688	7685	7682
5.0	7707	7700	7693	7686	7679	7673	7668	7663	7658	7653
7.5	7685	7674	7663	7654	7645	7638	7631	7625	7620	7615
10.0	7646	7631	7617	7605	7595	7587	7580	7575	7570	7567
12.5	7587	7567	7550	7536	7525	7517	7512	7508	7507	7508
15.0	7506	7481	7461	7446	7436	7429	7427	7427	7431	7436
17.5	7401	7371	7349	7333	7323	7320	7323	7330	7340	7353
20.0	7270	7234	7207	7190	7184	7187	7198	7214	7235	7258
22.5	7109	7065	7034	7018	7016	7025	7046	7075	7112	7058
25.0	6916	6862	6826	6811	6813	6832	6866	6912	6848	6799
27.5	6686	6620	6579	6564	6575	6606	6656	6607	6551	6515
30.0	6405	6327	6282	6270	6290	6340	6337	6270	6226	6206
32.5	6068	5979	5932	5926	5961	6025	5946	5900	5875	5874
35.0	5684	5587	5540	5541	5588	5581	5518	5497	5499	5521
37.5	5258	5154	5110	5124	5190	5110	5061	5056	5095	5145
40.0	4808	4695	4651	4675	4699	4618	4588	4600	4656	4702
42.5	4301	4190	4158	4201	4168	4102	4095	4135	4178	4139
45.0	3796	3674	3644	3702	3626	3578	3586	3653	3628	3581
47.5	3261	3131	3101	3148	3090	3055	3078	3109	3095	3050
50.0	2705	2599	2581	2597	2583	2568	2582	2607	2592	2544
52.5	2227	2145	2148	2145	2148	2142	2154	2164	2130	2062
55.0	1815	1748	1762	1770	1787	1798	1794	1786	1717	1633
57.5	1479	1423	1436	1446	1478	1492	1485	1469	1374	1385
60.0	1199	1156	1163	1176	1218	1220	1211	1190	1174	1157
62.5	959.8	931.8	938.1	952.0	977.2	987.8	971.9	982.5	984.2	948.7
65.0	767.9	747.5	753.5	773.1	774.8	783.3	786.0	797.3	799.7	755.7
67.5	602.8	585.3	592.0	607.6	606.3	609.5	629.4	633.5	622.5	572.8
70.0	460.9	448.3	455.8	466.3	462.4	475.5	487.3	482.7	466.0	468.7
72.5	342.9	334.5	341.6	346.6	348.3	360.9	360.7	358.9	373.1	375.4
75.0	253.0	246.5	251.6	252.4	258.9	261.4	263.5	275.6	283.8	283.5
77.5	179.9	173.8	177.4	180.9	181.7	186.2	194.2	198.1	198.1	193.2
80.0	112.0	107.8	112.4	118.3	122.7	130.8	130.3	125.5	115.5	103.6
82.5	63.09	62.75	69.35	74.81	79.17	79.84	69.91	52.32	33.56	13.97
85.0	41.06	41.81	43.78	49.01	38.71	20.08	0	0	0	0
87.5	35.58	35.48	29.60	0	0	0	0	0	0	0
90.0	31.02	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	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702
2.5	7679	7676	7674	7671	7669	7667	7665	7663	7662	7660
5.0	7648	7645	7641	7637	7634	7630	7627	7624	7621	7618
7.5	7611	7607	7603	7600	7596	7593	7589	7585	7581	7576
10.0	7564	7562	7560	7558	7556	7553	7550	7546	7540	7534
12.5	7510	7511	7512	7513	7512	7512	7510	7506	7500	7492
15.0	7443	7451	7458	7464	7467	7469	7469	7466	7460	7449
17.5	7367	7382	7380	7351	7326	7304	7289	7275	7265	7256
20.0	7244	7203	7171	7146	7126	7108	7094	7081	7070	7059
22.5	7013	6977	6952	6934	6920	6908	6897	6887	6875	6862
25.0	6762	6739	6722	6714	6710	6705	6700	6692	6680	6664
27.5	6493	6482	6481	6486	6495	6499	6501	6496	6485	6466
30.0	6202	6211	6228	6250	6273	6290	6302	6301	6290	6268
32.5	5892	5923	5962	6005	5951	5911	5881	5860	5845	5834
35.0	5563	5620	5565	5512	5469	5439	5420	5409	5399	5392
37.5	5179	5107	5052	5011	4983	4965	4956	4956	4954	4950
40.0	4631	4574	4532	4507	4494	4486	4491	4502	4509	4509
42.5	4085	4039	4008	4000	4001	4006	4024	4047	4063	4068
45.0	3541	3503	3484	3488	3505	3523	3556	3591	3618	3628
47.5	3007	2970	2959	2972	3034	3092	3141	3182	3206	3215
50.0	2488	2444	2492	2575	2645	2698	2739	2777	2795	2805
52.5	1989	2059	2140	2208	2265	2308	2339	2372	2384	2394
55.0	1690	1743	1803	1852	1892	1920	1942	1967	1972	1983
57.5	1414	1449	1480	1506	1526	1535	1546	1563	1561	1572
60.0	1160	1168	1170	1169	1166	1154	1153	1160	1149	1162
62.5	924.6	901.5	872.3	851.5	898.7	934.0	973.5	1002	1001	1004
65.0	705.9	666.0	694.7	732.9	771.0	799.0	831.7	854.1	853.6	855.7
67.5	558.6	563.6	586.7	616.7	645.5	665.8	690.2	706.5	705.9	707.8
70.0	463.8	465.3	481.6	502.6	522.1	534.2	549.2	559.2	558.1	560.1
72.5	370.6	369.3	378.9	390.6	400.5	403.8	408.6	412.0	410.4	412.6
75.0	278.4	275.4	277.7	280.5	280.3	274.4	268.3	265.0	262.6	265.1
77.5	187.3	182.5	174.4	165.8	156.2	145.6	137.6	133.3	131.3	133.4
80.0	90.84	75.80	59.87	44.54	29.86	17.16	7.733	1.959	0	1.960
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: 2024-01-22

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	0
90.0	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	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702	
2.5	7659	7658	7657	7657	7656	7656	7656	7656	7658	7659	
5.0	7615	7613	7610	7608	7606	7605	7604	7604	7605	7606	
7.5	7571	7567	7561	7557	7553	7549	7546	7543	7542	7542	
10.0	7527	7519	7511	7503	7494	7487	7480	7474	7469	7466	
12.5	7482	7470	7458	7445	7432	7418	7406	7393	7383	7375	
15.0	7436	7421	7402	7384	7364	7342	7321	7302	7284	7269	
17.5	7250	7248	7252	7259	7272	7259	7229	7200	7171	7147	
20.0	7050	7043	7041	7043	7050	7065	7089	7085	7045	7009	
22.5	6849	6837	6827	6820	6820	6827	6842	6869	6904	6854	
25.0	6646	6627	6608	6591	6580	6575	6580	6597	6630	6680	
27.5	6442	6414	6384	6356	6330	6311	6302	6307	6330	6373	
30.0	6237	6199	6156	6113	6070	6034	6008	5998	6006	6036	
32.5	5830	5834	5844	5863	5801	5745	5699	5670	5660	5677	
35.0	5389	5389	5393	5402	5422	5442	5375	5323	5295	5290	
37.5	4948	4946	4940	4937	4946	4967	5006	4962	4907	4885	
40.0	4506	4501	4485	4470	4467	4477	4502	4542	4506	4461	
42.5	4066	4056	4029	4002	3985	3986	3998	4026	4068	4021	
45.0	3626	3610	3571	3533	3504	3495	3498	3520	3550	3571	
47.5	3212	3188	3129	3062	3025	3004	3002	3025	3048	3053	
50.0	2804	2785	2739	2675	2591	2518	2520	2543	2565	2554	
52.5	2398	2388	2357	2308	2241	2148	2055	2085	2104	2099	
55.0	1994	1994	1983	1953	1904	1831	1753	1663	1679	1692	
57.5	1590	1606	1617	1610	1581	1532	1475	1400	1305	1343	
60.0	1188	1221	1257	1277	1274	1254	1220	1161	1090	1046	
62.5	1002	995.4	985.2	961.3	980.2	987.7	980.7	944.5	896.5	869.4	
65.0	855.4	851.2	843.6	823.5	792.0	750.6	757.7	747.5	725.1	717.7	
67.5	708.6	707.8	703.5	688.4	664.3	631.1	599.9	568.5	570.8	577.7	
70.0	562.3	564.9	564.6	555.3	539.8	516.5	491.2	459.9	435.0	442.1	
72.5	416.2	422.5	426.7	424.4	418.0	405.0	387.5	365.2	349.1	330.2	
75.0	270.4	280.6	289.8	295.5	298.8	296.1	288.3	275.6	268.1	256.5	
77.5	138.4	147.9	158.6	169.3	181.1	189.6	192.4	190.1	190.9	187.9	
80.0	7.780	17.44	30.35	45.45	62.30	78.60	93.10	104.5	116.8	123.4	
82.5	0	0	0	0	0	0	0	14.10	34.19	53.36	
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	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702	
2.5	7661	7662	7664	7667	7670	7673	7676	7672	7667	7663	
5.0	7608	7611	7614	7619	7624	7630	7637	7628	7619	7611	
7.5	7543	7546	7550	7555	7562	7571	7581	7567	7554	7543	
10.0	7464	7465	7468	7474	7483	7495	7509	7489	7472	7458	
12.5	7369	7366	7367	7372	7381	7394	7411	7386	7366	7350	
15.0	7257	7249	7247	7250	7259	7275	7297	7266	7241	7223	
17.5	7127	7113	7106	7107	7116	7133	7159	7123	7095	7076	
20.0	6979	6957	6943	6939	6946	6964	6994	6952	6922	6904	
22.5	6810	6777	6754	6743	6748	6767	6802	6754	6722	6704	
25.0	6621	6573	6539	6521	6522	6542	6583	6528	6493	6480	
27.5	6408	6343	6295	6267	6263	6282	6328	6266	6230	6219	
30.0	6093	6085	6019	5982	5972	5992	6043	5976	5939	5932	
32.5	5717	5796	5717	5662	5643	5662	5720	5646	5611	5613	
35.0	5320	5382	5377	5305	5276	5293	5356	5279	5248	5260	
37.5	4894	4939	5010	4921	4878	4887	4955	4876	4855	4883	
40.0	4447	4476	4547	4482	4428	4445	4526	4440	4417	4459	
42.5	3986	3979	4017	4039	3979	3989	4072	3989	3978	4031	
45.0	3499	3470	3510	3580	3501	3504	3591	3507	3506	3582	
47.5	3009	2973	2997	3067	3006	2993	3072	2998	3015	3079	
50.0	2524	2498	2509	2546	2517	2500	2568	2506	2531	2563	
52.5	2079	2060	2057	2092	2100	2074	2129	2078	2113	2112	
55.0	1693	1675	1695	1722	1749	1711	1741	1703	1745	1725	
57.5	1370	1380	1400	1415	1454	1396	1407	1378	1421	1400	
60.0	1105	1136	1149	1150	1168	1131	1128	1110	1132	1134	
62.5	887.1	925.9	928.5	929.3	934.4	915.4	914.2	899.2	907.3	910.6	
65.0	720.0	740.6	745.0	744.9	741.9	732.6	728.5	721.9	725.7	730.9	
67.5	583.2	584.0	590.0	585.0	577.3	575.5	568.9	569.2	566.9	573.1	
70.0	455.9	460.1	454.4	447.4	439.3	443.1	432.7	437.0	432.1	439.1	
72.5	338.5	351.5	342.7	335.7	328.8	330.9	322.8	326.7	323.3	330.1	
75.0	249.3	254.7	253.1	250.0	244.5	242.0	237.5	239.0	240.8	246.6	
77.5	187.4	181.8	178.9	181.2	176.5	172.5	169.6	172.1	177.1	183.6	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-01-22

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	129.2	128.9	121.6	120.9	119.4	108.6	111.6	117.0	125.8	130.1
82.5	73.03	81.17	79.69	77.15	74.02	64.60	61.80	74.91	86.29	91.89
85.0	0	20.96	39.58	49.59	45.12	42.16	35.18	52.13	63.74	68.79
87.5	0	0	0	0	28.86	35.21	31.00	54.76	48.39	0
90.0	0	0	0	0	0	0	30.47	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	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702
2.5	7659	7656	7653	7651	7648	7647	7645	7644	7644	7643
5.0	7604	7598	7593	7589	7586	7583	7582	7581	7581	7581
7.5	7534	7526	7520	7516	7513	7512	7511	7512	7514	7517
10.0	7446	7438	7432	7430	7429	7430	7433	7437	7443	7449
12.5	7338	7330	7327	7328	7331	7337	7346	7354	7365	7377
15.0	7211	7205	7204	7209	7218	7232	7248	7265	7282	7300
17.5	7065	7063	7067	7077	7093	7114	7139	7166	7178	7165
20.0	6897	6900	6911	6931	6956	6986	6986	6964	6952	6947
22.5	6701	6712	6734	6766	6805	6768	6738	6722	6717	6721
25.0	6483	6503	6537	6582	6532	6495	6476	6469	6475	6489
27.5	6232	6266	6319	6277	6229	6205	6197	6203	6222	6250
30.0	5951	5999	5998	5942	5907	5895	5902	5926	5960	6004
32.5	5650	5709	5624	5578	5561	5567	5593	5635	5690	5753
35.0	5311	5304	5234	5195	5192	5220	5268	5331	5313	5300
37.5	4951	4871	4817	4799	4810	4854	4897	4859	4842	4842
40.0	4505	4419	4381	4384	4416	4437	4389	4367	4364	4381
42.5	3996	3939	3927	3953	3986	3922	3880	3870	3883	3917
45.0	3508	3449	3455	3508	3472	3414	3374	3372	3400	3449
47.5	3009	2976	2983	3004	2980	2923	2876	2877	2913	2980
50.0	2534	2516	2527	2535	2511	2452	2390	2380	2467	2580
52.5	2091	2099	2114	2116	2080	2009	1922	2006	2111	2203
55.0	1717	1724	1760	1750	1691	1609	1639	1695	1774	1840
57.5	1392	1420	1440	1433	1357	1369	1382	1405	1453	1490
60.0	1136	1151	1172	1160	1157	1153	1143	1134	1146	1151
62.5	925.0	929.1	941.0	955.3	967.0	952.5	920.4	878.7	854.2	833.4
65.0	740.9	744.8	754.0	779.4	788.7	765.3	710.5	655.5	683.7	721.8
67.5	582.6	586.9	603.4	622.8	618.9	588.0	569.7	562.8	582.4	612.7
70.0	446.6	462.0	469.6	474.4	468.1	484.4	479.5	472.7	484.1	506.1
72.5	337.0	354.3	351.0	356.1	380.2	392.3	389.7	383.2	388.5	401.6
75.0	253.6	260.4	261.8	280.4	296.6	302.9	299.7	294.3	294.8	299.0
77.5	185.7	191.7	201.8	210.7	217.5	216.3	209.6	205.9	194.4	182.6
80.0	134.9	143.8	146.9	146.3	142.1	124.8	104.2	85.92	66.91	49.07
82.5	99.48	101.1	93.51	66.95	42.18	16.87	0	0	0	0
85.0	61.51	28.37	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	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702
2.5	7643	7644	7644	7646	7647	7649	7651	7653	7656	7659
5.0	7583	7585	7587	7589	7593	7596	7599	7603	7607	7612
7.5	7520	7524	7528	7533	7538	7542	7547	7552	7557	7562
10.0	7455	7462	7469	7476	7483	7489	7495	7499	7504	7509
12.5	7388	7399	7409	7420	7428	7436	7441	7445	7449	7451
15.0	7318	7335	7349	7362	7374	7382	7387	7390	7390	7389
17.5	7159	7157	7160	7165	7176	7188	7204	7222	7244	7269
20.0	6945	6949	6956	6965	6978	6991	7007	7024	7043	7067
22.5	6729	6739	6752	6766	6780	6795	6809	6824	6840	6859
25.0	6508	6527	6546	6565	6582	6597	6611	6622	6633	6644
27.5	6281	6312	6340	6365	6384	6400	6411	6418	6422	6424
30.0	6051	6094	6133	6164	6186	6202	6211	6211	6206	6197
32.5	5740	5739	5744	5757	5775	5799	5830	5868	5910	5963
35.0	5300	5309	5322	5342	5363	5389	5417	5448	5483	5524
37.5	4856	4877	4900	4926	4951	4978	5003	5028	5052	5078
40.0	4409	4444	4477	4509	4540	4566	4587	4604	4618	4626
42.5	3960	4010	4053	4092	4128	4155	4170	4178	4180	4171
45.0	3509	3573	3629	3675	3717	3743	3753	3751	3739	3713
47.5	3071	3156	3217	3263	3302	3325	3336	3330	3301	3252
50.0	2674	2753	2810	2851	2887	2906	2920	2915	2893	2845
52.5	2282	2354	2405	2440	2472	2487	2505	2504	2492	2454
55.0	1898	1959	2002	2029	2057	2069	2090	2098	2098	2077
57.5	1522	1567	1600	1620	1642	1650	1675	1696	1710	1713
60.0	1152	1178	1199	1212	1227	1232	1261	1297	1328	1359
62.5	883.2	955.4	1015	1052	1073	1069	1068	1063	1040	1025
65.0	762.0	820.2	871.2	901.8	919.5	917.0	915.4	913.5	895.2	882.1
67.5	643.1	687.7	728.0	752.1	765.7	764.5	763.7	764.8	752.9	742.4
70.0	526.9	557.6	585.8	602.4	611.8	612.0	612.9	616.8	611.6	605.1

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-01-22

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	413.0	429.6	444.5	452.7	458.0	459.5	462.8	469.2	471.0	470.5
75.0	301.1	303.2	304.0	303.2	304.1	307.0	313.2	322.4	331.0	338.2
77.5	171.7	162.9	156.7	152.7	152.1	154.6	161.3	171.7	184.9	200.1
80.0	32.84	19.19	8.809	2.244	0	2.272	9.066	20.24	35.38	53.75
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	7702	7702	7702	7702	7702	7702	7702	7702	7702	7702
2.5	7661	7665	7668	7672	7676	7680	7684	7688	7693	7697
5.0	7616	7622	7627	7633	7640	7647	7654	7662	7670	7679
7.5	7567	7573	7579	7586	7593	7602	7610	7620	7631	7643
10.0	7513	7518	7522	7528	7535	7544	7553	7564	7576	7591
12.5	7453	7455	7458	7460	7465	7471	7480	7490	7503	7520
15.0	7387	7385	7382	7381	7381	7383	7388	7396	7409	7426
17.5	7300	7307	7298	7289	7282	7278	7277	7282	7292	7309
20.0	7095	7128	7168	7185	7168	7154	7146	7144	7151	7166
22.5	6882	6908	6943	6987	7036	7011	6993	6983	6984	6995
25.0	6659	6678	6702	6737	6786	6848	6816	6795	6786	6793
27.5	6427	6432	6444	6468	6506	6563	6614	6577	6553	6549
30.0	6184	6173	6170	6178	6203	6248	6311	6316	6276	6262
32.5	5931	5902	5878	5869	5877	5901	5943	6013	5962	5934
35.0	5569	5616	5572	5541	5525	5525	5548	5606	5609	5560
37.5	5110	5153	5216	5193	5151	5124	5125	5160	5221	5150
40.0	4644	4670	4716	4785	4757	4699	4677	4688	4745	4708
42.5	4169	4180	4209	4261	4310	4261	4206	4182	4223	4237
45.0	3689	3684	3700	3730	3772	3806	3702	3659	3674	3731
47.5	3207	3184	3187	3208	3243	3247	3189	3117	3118	3167
50.0	2761	2685	2681	2705	2726	2710	2656	2596	2585	2602
52.5	2388	2291	2183	2212	2231	2210	2168	2128	2115	2126
55.0	2028	1953	1867	1757	1769	1774	1752	1736	1728	1746
57.5	1685	1638	1576	1485	1364	1397	1412	1413	1423	1430
60.0	1356	1340	1303	1234	1144	1076	1136	1155	1171	1159
62.5	1042	1060	1051	1006	947.2	895.0	902.6	940.5	943.4	937.3
65.0	844.0	812.0	818.2	803.7	770.9	746.3	734.9	749.4	755.8	758.6
67.5	714.0	688.8	654.4	622.0	612.8	606.4	600.9	589.4	596.2	600.7
70.0	586.9	568.9	541.7	509.4	476.8	472.9	475.4	469.9	460.1	465.4
72.5	462.0	451.8	433.5	409.8	386.8	362.9	361.5	364.2	354.3	352.6
75.0	339.4	337.5	329.3	315.5	302.7	288.3	274.1	273.5	270.5	263.5
77.5	213.9	226.1	228.6	226.4	223.6	218.3	211.5	203.9	198.1	194.3
80.0	73.57	94.19	113.6	131.9	148.2	152.7	153.0	152.3	142.1	135.9
82.5	0	0	0	17.83	44.06	70.10	96.26	105.0	101.0	95.55
85.0	0	0	0	0	0	0	0	28.99	58.95	71.37
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	7702	7702								
2.5	7702	7707								
5.0	7688	7697								
7.5	7656	7670								
10.0	7608	7626								
12.5	7539	7562								
15.0	7448	7474								
17.5	7333	7363								
20.0	7191	7226								
22.5	7020	7058								
25.0	6815	6856								
27.5	6570	6616								
30.0	6279	6326								
32.5	5940	5984								
35.0	5554	5595								
37.5	5129	5164								
40.0	4675	4707								
42.5	4180	4200								
45.0	3660	3681								
47.5	3114	3136								
50.0	2588	2601								
52.5	2142	2143								
55.0	1769	1754								
57.5	1449	1430								
60.0	1164	1155								
62.5	938.2	928.9								

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-01-22

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	743.4	740.7
67.5	586.0	581.8
70.0	454.3	446.9
72.5	346.3	338.3
75.0	259.4	249.7
77.5	186.7	179.5
80.0	125.5	118.6
82.5	85.59	76.42
85.0	64.01	56.47
87.5	50.18	58.16
90.0	0	0

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-01-22

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: