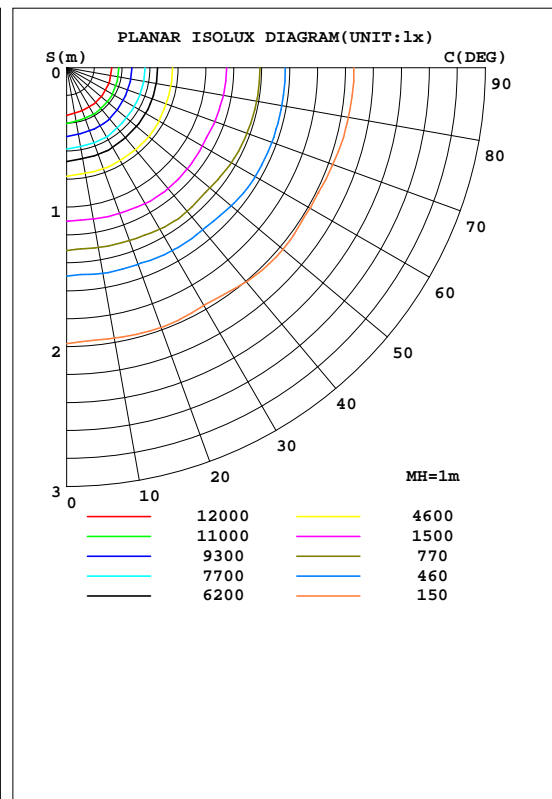
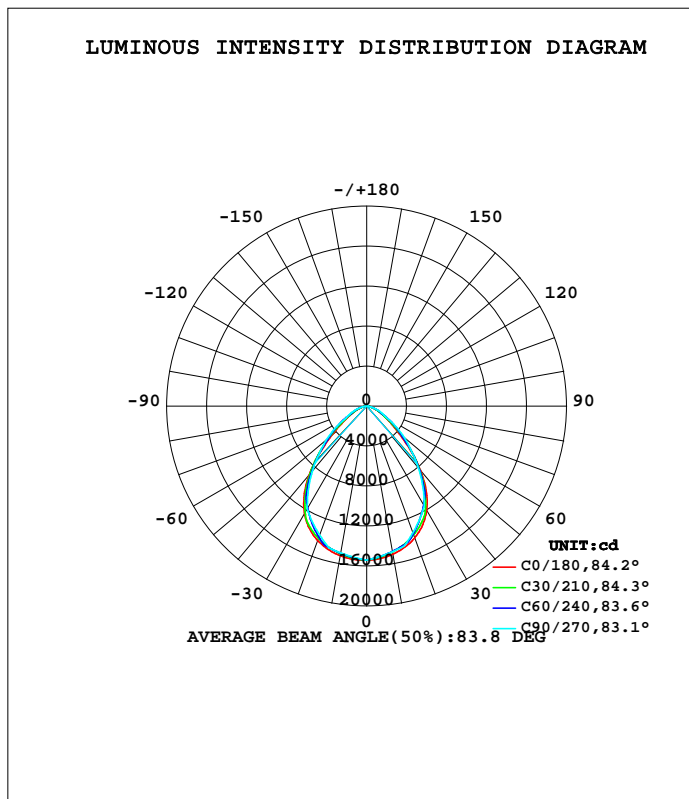


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:229.9V I:0.8280A P:188.1W PF:0.9880 Lamp Flux:28198.4x1 lm		
NAME: HB-H-200W-NW	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 149.91 lm/W			
MODEL		I _{max} (cd)	15424	S/MH(C0/180)	1.17
NOMINAL POWER(W)	194	LOR(%)	100.0	S/MH(C90/270)	1.13
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	28198	η UP, DN(C0-180)	0.0, 49.3
NOMINAL FLUX(lm)	28198.4	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 50.7
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	229.9	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:2024-01-26

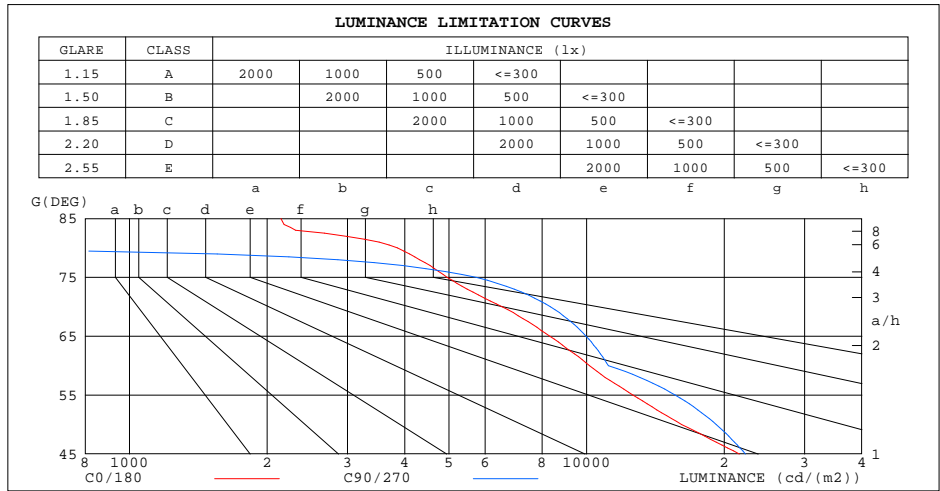
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
 Humidity:65.0%
 Test Distance:9.500m [K=1.0000]
 Remarks:

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	1531	1514	1511	1519	1539	1524	1517	1518	0- 5	365.4	365.4	1.3,1.3
10	1506	1478	1480	1489	1520	1498	1493	1487	5- 10	1077	1443	5.12,5.12
15	1464	1434	1449	1450	1486	1464	1468	1446	10- 15	1747	3190	11.3,11.3
20	1404	1382	1351	1402	1433	1421	1376	1396	15- 20	2344	5534	19.6,19.6
25	1320	1275	1253	1297	1355	1319	1283	1293	20- 25	2813	8346	29.6,29.6
30	1202	1146	1155	1168	1244	1192	1191	1169	25- 30	3134	11481	40.7,40.7
35	1042	1003	979.8	1022	1092	1050	1018	1029	30- 35	3261	14742	52.3,52.3
40	839.4	841.6	804.4	855.6	894.7	888.1	844.2	868.5	35- 40	3128	17870	63.4,63.4
45	610.1	646.4	629.1	661.8	667.3	690.1	670.7	670.2	40- 45	2765	20636	73.2,73.2
50	415.0	464.4	493.8	479.2	457.8	503.8	526.9	483.7	45- 50	2257	22893	81.2,81.2
55	290.0	309.2	358.6	321.3	307.2	339.5	383.1	323.9	50- 55	1748	24640	87.4,87.4
60	203.1	224.7	223.3	231.8	208.8	245.1	239.2	235.1	55- 60	1290	25930	92.92
65	140.5	152.6	168.7	157.0	142.0	164.8	182.2	159.3	60- 65	913.0	26843	95.2,95.2
70	89.40	98.80	114.0	101.9	92.14	107.7	125.2	104.4	65- 70	651.6	27495	97.5,97.5
75	51.30	61.38	59.39	63.97	52.33	69.54	68.11	67.37	70- 75	428.2	27923	99.99
80	26.80	25.30	0	26.41	27.77	31.19	0	29.80	75- 80	218.2	28141	99.8,99.8
85	7.473	0	0	0	7.366	0	0	0	80- 85	50.47	28192	100,100
90	5.674	0	0	0	5.988	0	0	0	85- 90	6.622	28198	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		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2144	0
80	3859	0
75	4956	5737
70	6535	8336
65	8314	9978
60	10155	11166
55	12639	15629
50	16142	19207
45	21572	22242

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-01-26

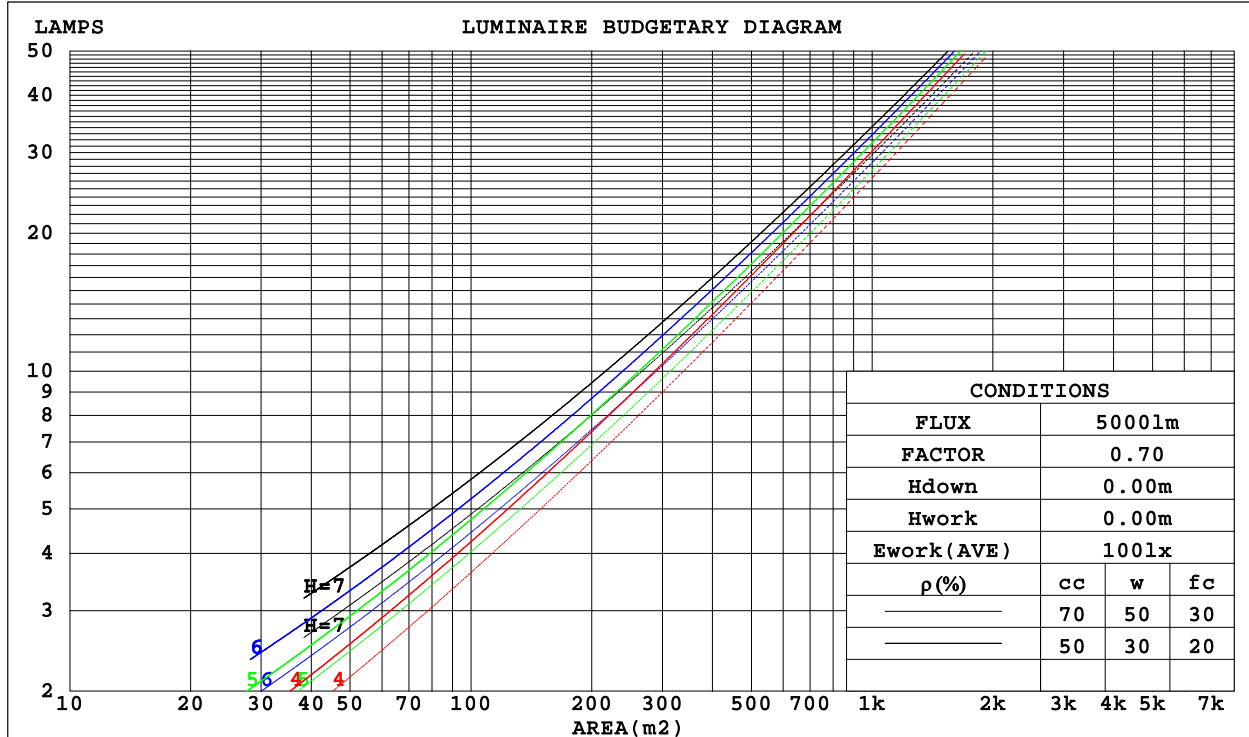
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 9.500m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:229.9V I:0.8280A P:188.1W PF:0.9880 Lamp Flux:28198.4x1 lm		
NAME: HB-H-200W-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	.86	.79	.74	.83	.77	.73	.80	.76	.72	.78	.74	.71	.69
4.0	.79	.71	.66	.78	.71	.65	.75	.69	.64	.73	.68	.64	.71	.66	.63	.61
5.0	.72	.64	.58	.71	.63	.58	.69	.62	.57	.67	.61	.57	.65	.60	.56	.54
6.0	.65	.58	.52	.64	.57	.52	.63	.56	.51	.61	.55	.51	.60	.55	.51	.49
7.0	.60	.52	.47	.59	.52	.47	.58	.51	.46	.56	.51	.46	.55	.50	.46	.44
8.0	.55	.48	.42	.55	.47	.42	.53	.47	.42	.52	.46	.42	.51	.46	.42	.40
9.0	.51	.44	.39	.51	.44	.39	.50	.43	.38	.48	.43	.38	.48	.42	.38	.36
10.0	.48	.40	.36	.47	.40	.35	.46	.40	.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:2024-01-26

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:229.9V I:0.8280A P:188.1W PF:0.9880 Lamp Flux:28198.4x1 lm		
NAME: HB-H-200W-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	.239	.136	.043	.232	.132	.042	.219	.126	.040	.207	.119	.038	.196	.114	.037	
2.0	.232	.127	.039	.226	.125	.038	.215	.120	.037	.205	.115	.036	.195	.110	.035	
3.0	.221	.117	.035	.216	.115	.035	.206	.112	.034	.197	.108	.033	.188	.104	.032	
4.0	.208	.108	.032	.204	.107	.032	.195	.103	.031	.187	.101	.030	.180	.098	.030	
5.0	.196	.100	.029	.192	.099	.029	.185	.096	.028	.178	.094	.028	.171	.091	.027	
6.0	.185	.093	.027	.181	.092	.026	.175	.089	.026	.168	.087	.026	.162	.085	.025	
7.0	.174	.086	.024	.171	.085	.024	.165	.084	.024	.160	.082	.024	.154	.080	.024	
8.0	.165	.081	.023	.162	.080	.023	.157	.078	.022	.152	.077	.022	.147	.075	.022	
9.0	.156	.076	.021	.154	.075	.021	.149	.074	.021	.144	.072	.021	.140	.071	.021	
10.0	.148	.071	.020	.146	.070	.020	.141	.069	.020	.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	.120	.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	.139	.089	.052	.120	.077	.045	.082	.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	.126	.073	.037	.109	.064	.032	.075	.045	.023	.044	.026	.013	.014	.009	.004	
8.0	.120	.068	.031	.104	.059	.027	.072	.041	.019	.042	.024	.012	.013	.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:2024-01-26

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:229.9V I:0.8280A P:188.1W PF:0.9880 Lamp Flux:28198.4x1 lm										
NAME: HB-H-200W-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	20.9	22.2	21.1	22.4	22.6	21.4	22.7	21.7	22.9	23.1
3H	21.3	22.5	21.6	22.7	22.9	22.0	23.2	22.3	23.4	23.6
4H	21.4	22.5	21.7	22.7	23.0	22.1	23.2	22.4	23.5	23.7
6H	21.4	22.4	21.7	22.7	23.0	22.1	23.1	22.4	23.4	23.6
8H	21.4	22.4	21.7	22.6	22.9	22.0	23.0	22.3	23.3	23.6
12H	21.3	22.3	21.7	22.6	22.9	22.0	22.9	22.3	23.2	23.5
4H 2H	21.1	22.2	21.4	22.4	22.7	21.6	22.7	21.9	22.9	23.2
3H	21.6	22.6	21.9	22.8	23.1	22.3	23.2	22.6	23.5	23.8
4H	21.8	22.6	22.1	22.9	23.3	22.5	23.3	22.8	23.7	24.0
6H	21.8	22.6	22.2	23.0	23.3	22.4	23.2	22.8	23.6	23.9
8H	21.8	22.5	22.2	22.9	23.3	22.4	23.1	22.8	23.5	23.8
12H	21.8	22.5	22.2	22.8	23.2	22.3	23.0	22.8	23.4	23.8
8H 4H	21.8	22.5	22.2	22.9	23.3	22.5	23.2	22.9	23.5	23.9
6H	21.9	22.5	22.4	22.9	23.3	22.5	23.0	22.9	23.4	23.9
8H	22.0	22.5	22.4	22.9	23.4	22.4	22.9	22.9	23.4	23.8
12H	22.0	22.4	22.5	22.9	23.3	22.4	22.8	22.8	23.3	23.7
12H 4H	21.8	22.4	22.2	22.8	23.2	22.4	23.1	22.9	23.5	23.9
6H	21.9	22.4	22.4	22.8	23.3	22.4	22.9	22.9	23.4	23.8
8H	21.9	22.4	22.4	22.8	23.3	22.4	22.8	22.9	23.3	23.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.9 / - 1.2					+ 0.7 / - 0.8				
1.5H	+ 0.8 / - 0.8					+ 0.4 / - 0.4				
2.0H	+ 1.8 / - 1.6					+ 1.5 / - 1.8				

CIE Pub.117 Corrected 28198 lm Total Lamp Luminous Flux.(8log(F/F0) = 11.6)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-01-26

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:229.9V I:0.8280A P:188.1W PF:0.9880 Lamp Flux:28198.4x1 lm		
NAME: HB-H-200W-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	59	53	68	59	53	67	58	53	47
0.80	78	69	63	77	68	63	76	68	62	57
1.00	86	77	71	85	77	71	83	77	71	65
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	90	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			

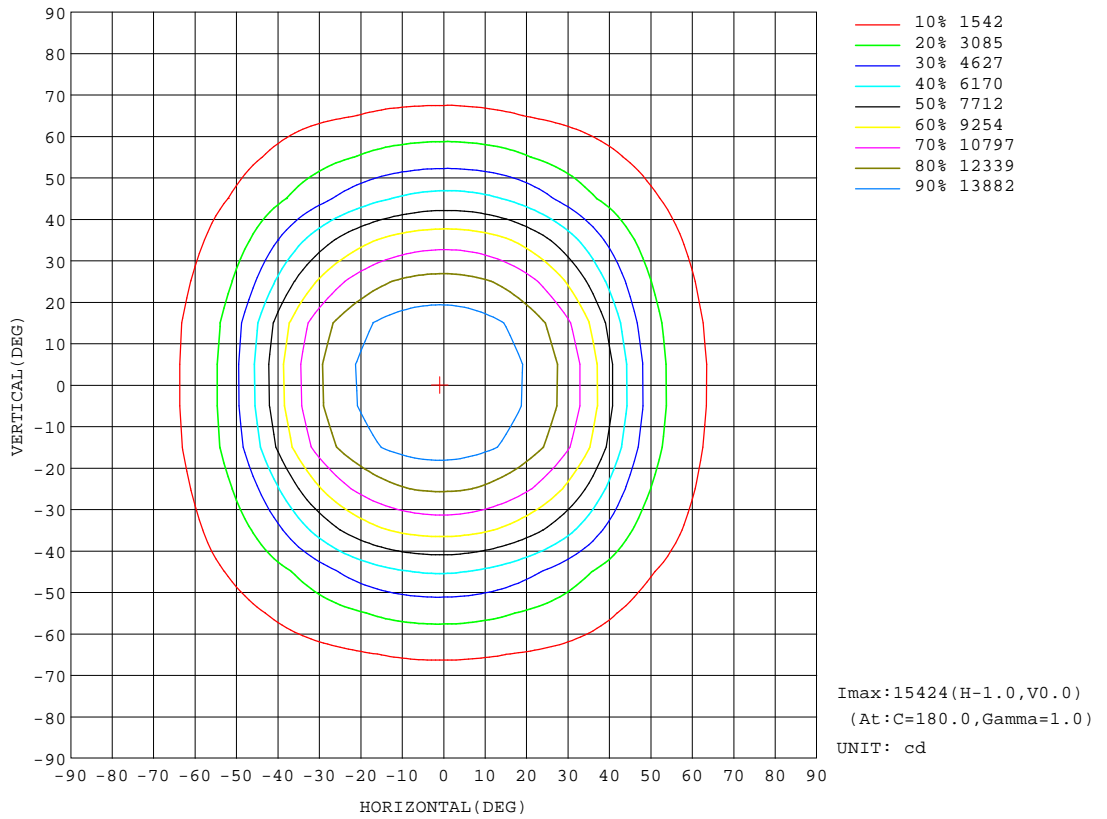
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-01-26

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:229.9V I:0.8280A P:188.1W PF:0.9880 Lamp Flux:28198.4x1 lm		
NAME: HB-H-200W-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:2024-01-26

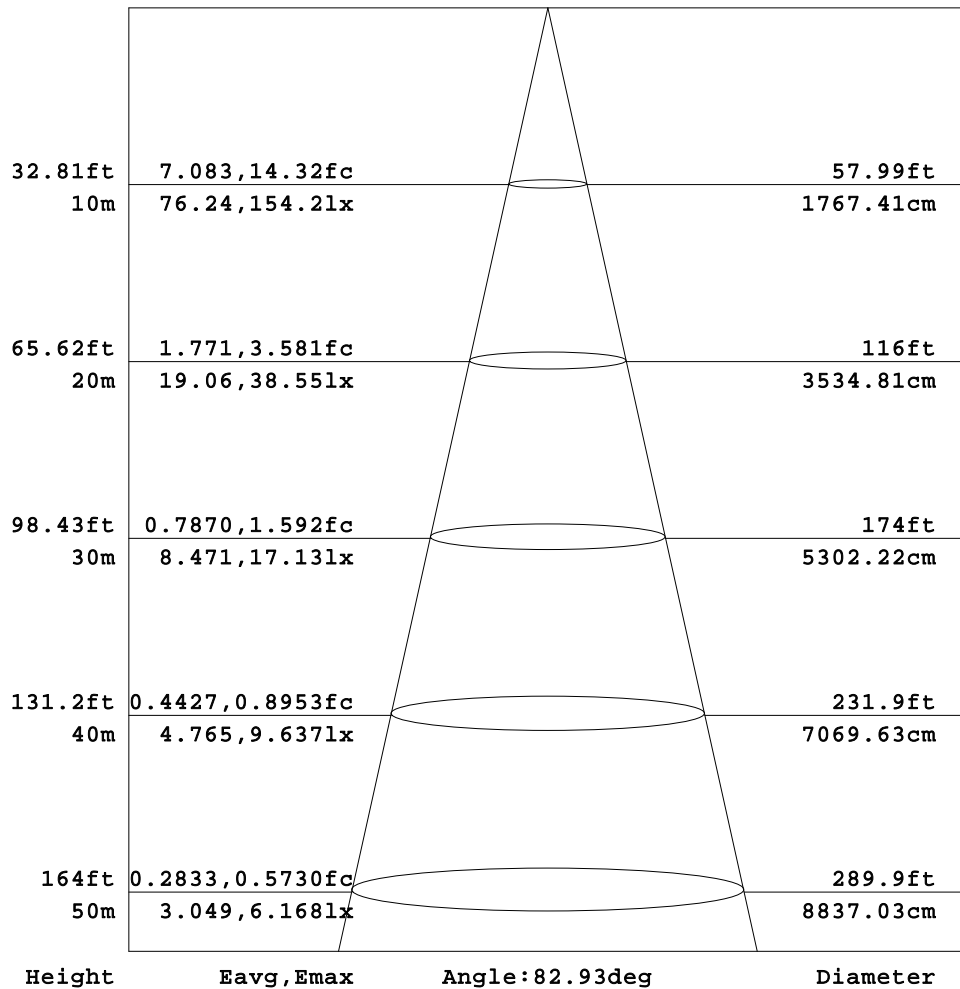
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

AAI Figure

Test:U:229.9V I:0.8280A P:188.1W PF:0.9880 Lamp Flux:28198.4x1 lm		
NAME: HB-H-200W-NW	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

Flux out:18747 lm



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

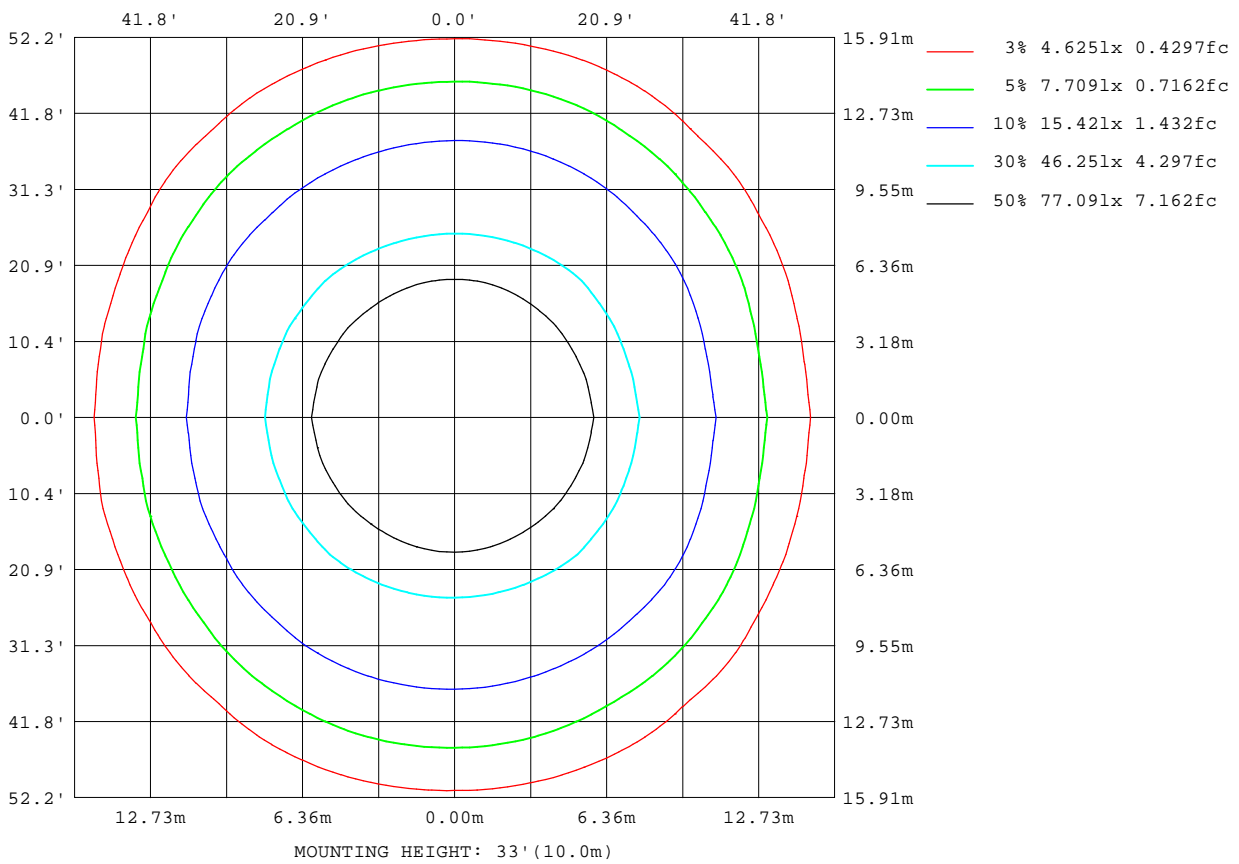
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-01-26

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:229.9V I:0.8280A P:188.1W PF:0.9880 Lamp Flux:28198.4x1 lm		
NAME: HB-H-200W-NW	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

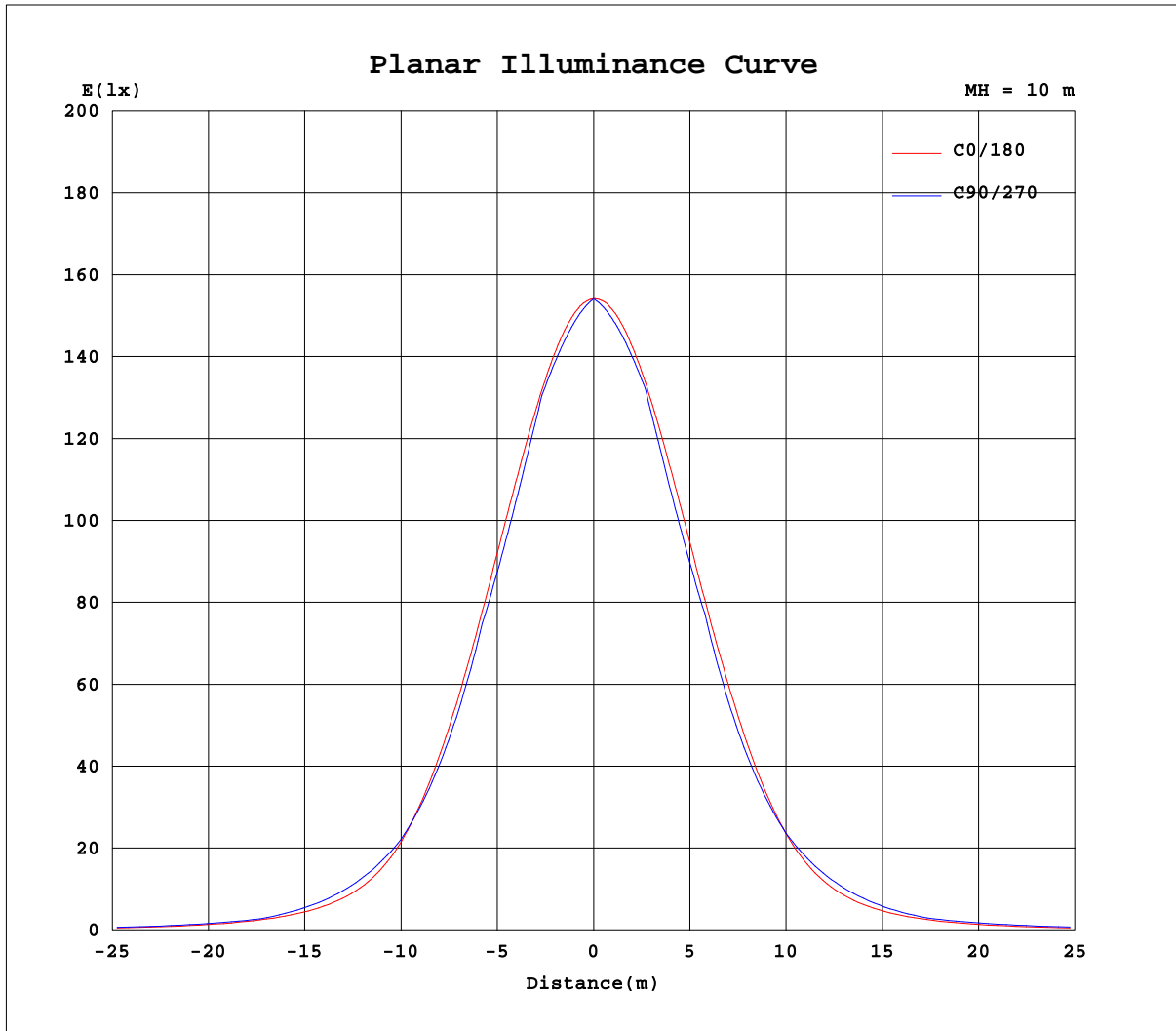


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-01-26

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: 2024-01-26

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:229.9V I:0.8280A P:188.1W PF:0.9880 Lamp Flux:28198.4x1 lm		
NAME: HB-H-200W-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	1542	1542	1542	1542	1542	1542	1542	1542	1542	1542	1542	1542	1542	1542	1542	1542	1542	1542	1542
5	1531	1529	1526	1524	1522	1520	1518	1517	1515	1514	1513	1512	1512	1511	1511	1511	1511	1511	1511
10	1506	1501	1496	1492	1488	1485	1483	1481	1479	1478	1478	1477	1477	1478	1478	1479	1479	1480	1480
15	1464	1456	1450	1444	1440	1437	1435	1434	1434	1434	1436	1437	1439	1441	1443	1445	1447	1448	1449
20	1404	1393	1384	1378	1375	1373	1373	1375	1378	1382	1379	1370	1363	1358	1354	1352	1351	1351	1351
25	1320	1305	1295	1290	1288	1289	1294	1301	1286	1275	1266	1260	1256	1253	1252	1252	1252	1252	1253
30	1202	1184	1174	1170	1173	1181	1178	1164	1153	1146	1143	1141	1142	1144	1147	1150	1152	1154	1155
35	1042	1022	1013	1015	1026	1025	1012	1005	1002	1003	1007	1014	1005	995	989	984	981	979	980
40	839	819	814	824	836	828	826	829	837	842	833	825	817	810	806	804	803	803	804
45	610	594	595	612	616	623	631	644	647	646	642	636	629	625	623	623	624	627	629
50	415	406	411	420	425	438	454	463	467	464	460	452	457	467	475	483	488	492	494
55	290	284	290	290	294	301	309	316	316	309	322	334	343	348	351	355	357	358	359
60	203	199	202	204	207	206	207	205	215	225	231	236	237	235	232	230	226	225	223
65	141	136	137	141	141	140	139	142	148	153	152	150	154	158	161	165	167	168	169
70	89.4	86.9	87.9	89.5	88.8	91.3	92.1	92.0	93.0	98.8	103	106	108	109	111	112	113	114	114
75	51.3	50.2	51.5	51.4	52.6	53.8	54.0	56.2	58.7	61.4	63.0	63.4	63.2	62.4	61.3	60.4	59.5	59.2	59.4
80	26.8	23.0	24.3	26.8	27.9	28.5	28.2	28.1	27.7	25.3	21.8	17.8	13.8	10.0	6.59	3.81	1.73	0.44	0.00
85	7.47	7.93	9.73	9.82	8.82	4.58	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	5.67	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:2024-01-26

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:229.9V I:0.8280A P:188.1W PF:0.9880 Lamp Flux:28198.4x1 lm		
NAME: HB-H-200W-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	1542	1542	1542	1542	1542	1542	1542	1542	1542	1542	1542	1542	1542	1542	1542	1542	1542	1542	1542
5	1511	1512	1513	1513	1514	1515	1516	1518	1519	1521	1523	1525	1526	1529	1531	1533	1536	1539	1536
10	1481	1482	1482	1483	1484	1485	1486	1487	1489	1490	1493	1495	1498	1502	1506	1510	1515	1520	1516
15	1450	1451	1451	1451	1450	1450	1450	1449	1450	1450	1452	1454	1456	1460	1465	1471	1478	1486	1479
20	1353	1355	1359	1363	1369	1376	1385	1397	1402	1399	1398	1398	1399	1401	1406	1413	1422	1433	1424
25	1254	1256	1258	1260	1264	1269	1276	1285	1297	1312	1330	1325	1322	1321	1324	1330	1341	1355	1344
30	1155	1155	1155	1154	1154	1154	1157	1161	1168	1178	1194	1214	1220	1213	1211	1215	1226	1244	1230
35	982	986	991	998	1007	1017	1026	1023	1022	1025	1033	1046	1066	1070	1061	1061	1071	1092	1078
40	807	810	814	820	826	834	841	849	856	853	851	854	864	882	875	867	874	895	881
45	632	634	637	641	646	651	657	659	662	662	657	651	651	658	667	650	650	667	658
50	496	496	495	492	487	480	475	477	479	479	472	462	459	460	462	455	448	458	451
55	360	362	363	362	360	356	347	334	321	326	328	324	318	315	314	316	305	307	304
60	225	228	232	234	237	239	240	237	232	226	221	223	221	218	214	213	207	209	207
65	169	168	166	161	155	150	148	153	157	157	154	152	151	147	144	142	141	142	142
70	114	114	113	111	108	106	105	104	102	98.2	98.7	99.1	98.8	96.2	93.7	91.9	92.7	92.1	93.6
75	59.8	60.4	61.3	62.4	63.3	63.9	64.2	64.5	64.0	62.2	59.7	57.1	57.2	56.8	55.0	53.3	53.2	52.3	53.4
80	0.44	1.75	3.88	6.76	10.3	14.3	18.4	22.6	26.4	29.4	29.9	29.9	30.0	29.4	28.2	25.8	24.0	27.8	28.6
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	4.86	9.80	10.2	10.4	9.67	7.37	11.7
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	5.99	0.00

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-01-26

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:229.9V I:0.8280A P:188.1W PF:0.9880 Lamp Flux:28198.4x1 lm		
NAME: HB-H-200W-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	1542	1542	1542	1542	1542	1542	1542	1542	1542	1542	1542	1542	1542	1542	1542	1542	1542	1542	1542
5	1534	1533	1531	1529	1528	1526	1525	1524	1523	1522	1521	1520	1519	1519	1518	1518	1517	1517	1517
10	1512	1509	1506	1504	1502	1500	1499	1498	1497	1496	1496	1495	1495	1494	1494	1493	1493	1492	1491
15	1474	1470	1467	1465	1464	1463	1463	1464	1465	1466	1467	1468	1469	1469	1469	1469	1468	1467	1465
20	1417	1412	1410	1410	1411	1413	1417	1421	1417	1407	1398	1392	1386	1382	1379	1377	1376	1375	1375
25	1336	1332	1332	1334	1340	1348	1332	1319	1308	1300	1295	1291	1288	1286	1285	1284	1283	1283	1282
30	1223	1222	1227	1236	1232	1214	1201	1192	1187	1184	1184	1185	1186	1188	1190	1191	1191	1191	1189
35	1073	1078	1092	1089	1070	1058	1052	1050	1053	1058	1048	1038	1030	1024	1020	1018	1018	1019	1022
40	883	898	909	893	885	882	885	888	878	869	861	854	848	845	844	843	844	846	848
45	667	694	687	683	686	694	694	690	686	679	673	669	666	666	667	669	671	673	674
50	464	477	477	483	494	503	506	504	498	494	498	506	514	519	522	525	527	528	528
55	314	313	317	324	335	344	344	339	353	365	373	378	381	382	382	383	383	383	384
60	213	210	213	217	222	222	234	245	253	256	257	254	251	249	243	241	239	239	242
65	143	143	144	146	147	154	161	165	165	162	167	170	175	180	181	182	182	181	179
70	92.9	93.9	95.6	96.8	98.2	101	103	108	113	116	119	120	123	125	125	125	125	124	123
75	54.0	55.9	57.9	58.5	59.5	63.6	67.0	69.5	71.5	72.5	72.7	71.7	70.9	70.1	69.2	68.6	68.1	67.9	67.8
80	29.9	30.6	32.0	33.3	33.9	34.7	34.8	31.2	26.5	21.5	16.5	11.8	7.76	4.46	2.01	0.51	0.00	0.50	1.97
85	14.0	14.3	14.0	6.49	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:2024-01-26

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:229.9V I:0.8280A P:188.1W PF:0.9880 Lamp Flux:28198.4x1 lm		
NAME: HB-H-200W-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	1542	1542	1542	1542	1542	1542	1542	1542	1542	1542	1542	1542	1542	1542	1542				
5	1517	1517	1517	1517	1517	1518	1518	1519	1520	1521	1522	1524	1525	1527	1529				
10	1490	1489	1489	1488	1487	1487	1487	1487	1488	1489	1490	1492	1495	1498	1502				
15	1463	1460	1458	1455	1452	1449	1446	1445	1443	1443	1443	1445	1448	1452	1458				
20	1376	1378	1380	1384	1389	1396	1396	1391	1386	1382	1380	1380	1383	1387	1394				
25	1282	1282	1282	1283	1285	1288	1293	1301	1312	1303	1296	1293	1294	1298	1307				
30	1187	1184	1180	1176	1172	1170	1169	1171	1177	1188	1188	1178	1174	1176	1185				
35	1026	1031	1037	1045	1051	1039	1029	1022	1020	1022	1030	1026	1014	1012	1021				
40	850	853	856	860	863	866	869	857	842	831	827	830	819	810	817				
45	675	675	675	674	674	672	670	664	654	634	621	611	603	588	590				
50	525	520	512	500	489	487	484	479	470	458	440	425	415	407	404				
55	384	382	377	369	357	342	324	328	326	318	310	298	290	288	284				
60	244	247	248	248	247	241	235	228	218	217	214	210	203	202	199				
65	175	170	163	157	152	157	159	158	153	147	145	142	141	137	137				
70	121	118	115	112	109	107	104	100	99.1	97.3	94.5	90.9	90.2	88.6	87.5				
75	67.9	68.0	68.4	68.6	68.6	68.4	67.4	65.1	61.9	58.2	57.1	55.1	53.1	52.8	50.9				
80	4.32	7.43	11.3	15.7	20.3	25.2	29.8	33.4	33.4	32.9	32.4	31.3	29.6	28.6	27.7				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.19	13.3	14.3	13.9	11.1				
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				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-01-26

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	15418	15418	15418	15418	15418	15418	15418	15418	15418	15418
2.5	15384	15371	15358	15346	15334	15323	15314	15305	15296	15289
5.0	15312	15286	15261	15238	15216	15197	15181	15166	15153	15141
7.5	15204	15164	15127	15094	15064	15038	15016	14998	14983	14970
10.0	15063	15009	14961	14919	14883	14853	14828	14809	14793	14782
12.5	14872	14806	14748	14700	14659	14627	14604	14588	14579	14576
15.0	14642	14562	14495	14441	14400	14368	14348	14339	14338	14344
17.5	14368	14274	14197	14138	14095	14070	14060	14062	14072	14093
20.0	14040	13931	13845	13784	13746	13730	13731	13749	13780	13822
22.5	13650	13525	13432	13370	13338	13337	13358	13400	13457	13341
25.0	13196	13055	12954	12898	12877	12892	12936	13008	12864	12750
27.5	12656	12497	12395	12343	12343	12387	12467	12349	12217	12124
30.0	12019	11843	11737	11700	11727	11811	11784	11636	11529	11461
32.5	11269	11084	10990	10974	11032	11144	10979	10867	10797	10764
35.0	10415	10219	10133	10151	10260	10252	10117	10047	10021	10034
37.5	9448	9248	9180	9236	9401	9289	9209	9183	9209	9267
40.0	8394	8191	8144	8241	8357	8276	8257	8265	8365	8416
42.5	7254	7064	7048	7187	7250	7242	7282	7365	7464	7432
45.0	6101	5936	5947	6124	6165	6225	6314	6443	6473	6464
47.5	5046	4915	4945	5085	5139	5259	5395	5494	5539	5531
50.0	4150	4063	4112	4200	4251	4378	4536	4628	4669	4644
52.5	3467	3391	3444	3477	3522	3635	3749	3854	3872	3821
55.0	2900	2844	2898	2900	2938	3007	3089	3157	3158	3092
57.5	2417	2376	2438	2430	2461	2493	2529	2561	2542	2652
60.0	2031	1985	2018	2038	2072	2065	2066	2053	2151	2247
62.5	1703	1656	1670	1699	1725	1710	1683	1714	1801	1873
65.0	1405	1363	1370	1412	1412	1404	1392	1422	1481	1526
67.5	1139	1103	1111	1141	1134	1138	1147	1160	1188	1201
70.0	894.0	868.6	878.6	894.9	887.9	912.6	920.7	919.9	930.0	988.0
72.5	678.7	662.2	677.9	683.3	686.1	712.6	711.0	715.1	753.8	796.6
75.0	513.0	501.9	514.6	514.4	526.0	537.9	539.7	561.7	587.2	613.8
77.5	383.7	365.6	374.4	383.2	391.4	399.5	406.5	417.7	428.7	438.2
80.0	268.0	230.3	243.5	267.7	279.1	284.7	282.1	280.7	276.8	253.0
82.5	139.4	131.6	154.5	170.0	182.6	178.9	161.4	123.7	81.62	34.08
85.0	74.73	79.27	97.28	98.16	88.23	45.80	0	0	0	0
87.5	64.44	64.20	53.84	0	0	0	0	0	0	0
90.0	56.74	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	15418	15418	15418	15418	15418	15418	15418	15418	15418	15418
2.5	15282	15277	15273	15270	15267	15264	15263	15263	15264	15266
5.0	15131	15124	15117	15112	15109	15108	15108	15108	15110	15114
7.5	14962	14956	14952	14949	14947	14948	14950	14953	14956	14962
10.0	14775	14773	14774	14777	14781	14785	14791	14798	14802	14809
12.5	14577	14579	14586	14597	14609	14621	14631	14642	14648	14657
15.0	14356	14373	14391	14409	14432	14453	14469	14485	14494	14503
17.5	14120	14150	14149	14091	14048	14022	14006	14000	14004	14019
20.0	13786	13700	13632	13583	13545	13524	13511	13508	13513	13528
22.5	13240	13159	13104	13064	13037	13021	13016	13017	13022	13036
25.0	12662	12601	12558	12534	12522	12516	12520	12525	12532	12543
27.5	12059	12016	11997	11993	12000	12007	12021	12032	12041	12049
30.0	11426	11413	11418	11440	11471	11496	11523	11540	11551	11554
32.5	10765	10790	10823	10878	10797	10735	10695	10675	10674	10693
35.0	10075	10141	10047	9955	9885	9836	9807	9795	9798	9817
37.5	9309	9203	9109	9027	8971	8937	8919	8915	8921	8942
40.0	8333	8247	8166	8097	8058	8035	8028	8034	8044	8066
42.5	7367	7296	7227	7171	7143	7133	7136	7153	7168	7191
45.0	6418	6357	6292	6246	6229	6228	6244	6271	6291	6315
47.5	5494	5431	5366	5322	5389	5476	5540	5591	5615	5631
50.0	4597	4523	4565	4667	4754	4827	4880	4921	4938	4955
52.5	3732	3874	3986	4066	4128	4185	4222	4251	4262	4280
55.0	3217	3343	3428	3480	3514	3551	3567	3582	3586	3604
57.5	2746	2840	2889	2909	2911	2923	2914	2914	2910	2929
60.0	2311	2361	2371	2353	2317	2300	2264	2247	2233	2255
62.5	1906	1907	1872	1824	1860	1912	1936	1958	1960	1966
65.0	1523	1502	1543	1578	1606	1647	1667	1684	1687	1692
67.5	1240	1277	1310	1335	1356	1383	1398	1411	1414	1418
70.0	1031	1058	1081	1095	1107	1122	1130	1138	1140	1145
72.5	827.4	843.5	854.7	857.9	859.1	862.0	862.2	864.9	867.1	871.4
75.0	630.3	633.8	632.2	623.5	612.6	603.7	594.9	592.3	593.9	598.0
77.5	438.4	427.5	402.1	372.4	344.8	323.5	307.0	298.6	297.0	301.5
80.0	217.9	178.1	138.5	100.1	65.94	38.12	17.25	4.387	0	4.430
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: 2024-01-26

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	15418	15418	15418	15418	15418	15418	15418	15418	15418	15418
2.5	15269	15273	15278	15284	15290	15297	15305	15314	15324	15334
5.0	15120	15126	15133	15142	15152	15164	15178	15193	15210	15228
7.5	14968	14976	14984	14995	15007	15020	15033	15049	15068	15089
10.0	14816	14822	14831	14840	14848	14858	14871	14887	14904	14926
12.5	14662	14667	14673	14675	14680	14685	14692	14702	14715	14734
15.0	14506	14510	14508	14505	14500	14497	14494	14495	14502	14515
17.5	14045	14083	14134	14195	14273	14293	14280	14269	14264	14263
20.0	13552	13586	13631	13689	13761	13853	13967	14019	13994	13979
22.5	13057	13085	13121	13170	13235	13319	13422	13552	13698	13661
25.0	12559	12578	12603	12638	12691	12759	12850	12968	13119	13297
27.5	12057	12065	12077	12096	12128	12174	12246	12344	12475	12649
30.0	11555	11548	11541	11540	11543	11566	11606	11676	11784	11937
32.5	10733	10792	10870	10969	10942	10929	10933	10968	11043	11162
35.0	9856	9908	9980	10068	10171	10263	10225	10220	10249	10329
37.5	8977	9025	9089	9165	9253	9347	9447	9427	9411	9442
40.0	8097	8141	8195	8263	8335	8413	8491	8556	8534	8513
42.5	7218	7257	7301	7359	7421	7486	7536	7577	7605	7550
45.0	6339	6372	6409	6456	6510	6566	6592	6618	6619	6570
47.5	5629	5617	5583	5558	5507	5555	5666	5683	5670	5604
50.0	4956	4949	4922	4874	4803	4746	4770	4792	4789	4724
52.5	4286	4285	4267	4229	4173	4053	3902	3956	3982	3947
55.0	3616	3626	3618	3596	3562	3466	3344	3213	3263	3279
57.5	2948	2970	2978	2975	2969	2916	2836	2746	2655	2702
60.0	2282	2319	2345	2368	2394	2398	2369	2318	2264	2211
62.5	1952	1921	1863	1790	1844	1908	1937	1929	1902	1857
65.0	1681	1656	1609	1550	1502	1475	1533	1570	1569	1542
67.5	1410	1393	1358	1315	1281	1262	1245	1233	1260	1255
70.0	1141	1131	1110	1084	1064	1051	1041	1019	981.8	986.8
72.5	871.9	871.1	865.8	857.0	849.9	845.0	841.0	826.6	796.8	760.6
75.0	603.5	612.7	623.9	632.5	638.8	642.2	645.2	639.7	621.5	597.4
77.5	311.6	328.8	353.5	383.3	415.2	441.7	453.0	457.6	454.2	443.9
80.0	17.51	38.77	67.61	103.1	143.0	184.4	226.3	264.1	293.6	298.5
82.5	0	0	0	0	0	0	0	35.66	86.67	131.8
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	15418	15418	15418	15418	15418	15418	15418	15418	15418	15418
2.5	15345	15356	15368	15380	15393	15407	15420	15409	15399	15389
5.0	15245	15265	15286	15309	15333	15359	15386	15365	15344	15326
7.5	15113	15140	15170	15201	15236	15273	15313	15282	15253	15227
10.0	14951	14982	15016	15056	15101	15151	15205	15163	15124	15091
12.5	14758	14789	14828	14874	14925	14985	15051	14999	14955	14918
15.0	14535	14562	14600	14647	14706	14777	14858	14795	14742	14700
17.5	14273	14294	14328	14377	14441	14520	14615	14540	14481	14437
20.0	13975	13987	14013	14060	14127	14218	14329	14240	14171	14125
22.5	13635	13628	13644	13683	13751	13847	13973	13871	13799	13754
25.0	13246	13216	13212	13241	13305	13409	13552	13436	13357	13319
27.5	12805	12742	12711	12720	12777	12884	13043	12915	12839	12810
30.0	12137	12197	12131	12112	12154	12263	12440	12303	12231	12221
32.5	11333	11562	11459	11410	11435	11540	11733	11590	11531	11546
35.0	10460	10655	10700	10608	10609	10714	10925	10775	10728	10780
37.5	9527	9672	9860	9728	9693	9778	9992	9844	9823	9921
40.0	8542	8642	8822	8752	8674	8735	8947	8811	8829	8975
42.5	7529	7578	7695	7722	7597	7627	7827	7711	7759	7958
45.0	6508	6512	6583	6666	6499	6497	6673	6580	6675	6938
47.5	5516	5503	5527	5597	5459	5422	5561	5483	5595	5823
50.0	4620	4590	4597	4625	4549	4481	4578	4513	4636	4769
52.5	3870	3820	3809	3805	3780	3696	3757	3696	3800	3860
55.0	3237	3184	3151	3144	3165	3053	3072	3043	3142	3135
57.5	2696	2654	2613	2607	2616	2510	2530	2507	2606	2572
60.0	2230	2205	2179	2144	2127	2067	2088	2074	2126	2103
62.5	1840	1832	1806	1751	1734	1706	1723	1713	1742	1729
65.0	1519	1510	1474	1443	1422	1411	1420	1418	1428	1432
67.5	1244	1233	1201	1177	1157	1156	1156	1163	1163	1174
70.0	990.8	987.9	961.9	936.6	918.5	927.5	921.4	936.3	928.6	938.7
72.5	757.9	768.0	749.1	725.0	703.7	711.9	700.0	718.1	715.5	731.2
75.0	570.8	572.5	567.7	550.4	532.7	531.7	523.3	534.3	540.3	558.8
77.5	430.4	419.8	415.3	409.0	392.1	381.2	388.8	397.4	408.5	422.7

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-01-26

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	299.2	300.2	293.7	282.3	257.5	239.8	277.7	285.5	299.0	305.5
82.5	172.1	189.3	195.2	177.7	164.2	141.4	143.4	182.3	200.0	209.2
85.0	0	48.59	97.99	102.5	104.3	96.68	73.66	116.9	140.2	143.3
87.5	0	0	0	0	56.09	68.70	60.70	108.6	96.07	0
90.0	0	0	0	0	0	0	59.88	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	15418	15418	15418	15418	15418	15418	15418	15418	15418	15418
2.5	15379	15369	15360	15352	15344	15336	15329	15323	15317	15312
5.0	15308	15292	15277	15264	15250	15238	15226	15216	15207	15200
7.5	15203	15181	15161	15145	15130	15117	15106	15097	15089	15081
10.0	15062	15037	15017	15002	14989	14979	14970	14964	14958	14955
12.5	14886	14862	14844	14831	14823	14818	14819	14819	14820	14820
15.0	14669	14647	14637	14633	14634	14639	14647	14659	14671	14680
17.5	14407	14392	14391	14398	14415	14439	14463	14486	14471	14399
20.0	14100	14096	14107	14130	14167	14207	14172	14069	13982	13916
22.5	13738	13748	13777	13826	13888	13757	13640	13551	13477	13418
25.0	13315	13344	13398	13478	13317	13186	13083	13005	12951	12907
27.5	12827	12883	12971	12838	12686	12574	12494	12437	12403	12383
30.0	12267	12359	12320	12140	12010	11922	11871	11844	11836	11846
32.5	11632	11759	11541	11387	11285	11233	11217	11228	11253	11292
35.0	10915	10887	10703	10581	10516	10502	10530	10582	10481	10377
37.5	10116	9942	9800	9725	9705	9735	9762	9648	9546	9458
40.0	9089	8934	8847	8822	8855	8881	8783	8693	8606	8537
42.5	7987	7888	7857	7886	7942	7881	7813	7738	7667	7613
45.0	6867	6832	6858	6935	6936	6901	6857	6792	6732	6688
47.5	5789	5806	5871	5948	5974	5950	5902	5857	5804	5763
50.0	4769	4835	4936	5028	5062	5038	4976	4940	4977	5065
52.5	3901	3963	4086	4185	4215	4177	4093	4248	4343	4413
55.0	3170	3241	3353	3437	3442	3395	3331	3649	3731	3776
57.5	2589	2653	2730	2776	2760	2902	3013	3087	3138	3151
60.0	2130	2169	2217	2220	2339	2451	2529	2563	2570	2540
62.5	1748	1778	1788	1856	1951	2033	2074	2065	2020	1957
65.0	1437	1456	1468	1540	1607	1648	1648	1619	1666	1702
67.5	1181	1190	1213	1260	1297	1295	1342	1388	1424	1450
70.0	956.2	967.7	981.8	1007	1026	1077	1126	1162	1188	1203
72.5	752.4	766.3	768.6	795.5	842.1	882.2	917.2	941.0	955.6	958.8
75.0	578.7	584.7	595.0	635.8	669.5	695.4	715.0	724.8	727.0	717.5
77.5	433.2	441.2	461.8	486.8	505.3	515.3	518.8	512.9	480.4	439.9
80.0	320.2	332.8	339.4	347.0	348.0	311.9	264.7	214.6	165.4	118.3
82.5	232.5	233.3	219.5	161.8	103.8	42.14	0	0	0	0
85.0	139.7	64.89	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	15418	15418	15418	15418	15418	15418	15418	15418	15418	15418
2.5	15308	15303	15299	15297	15295	15294	15293	15294	15295	15297
5.0	15192	15186	15181	15176	15172	15169	15168	15167	15166	15168
7.5	15073	15067	15061	15054	15049	15044	15040	15037	15033	15031
10.0	14950	14945	14940	14933	14926	14919	14911	14903	14895	14886
12.5	14821	14820	14818	14812	14803	14794	14782	14767	14751	14735
15.0	14687	14692	14693	14690	14680	14667	14650	14627	14603	14578
17.5	14341	14293	14259	14235	14219	14213	14217	14227	14253	14285
20.0	13863	13822	13791	13771	13757	13751	13753	13761	13780	13805
22.5	13376	13345	13321	13308	13296	13290	13289	13292	13302	13316
25.0	12880	12862	12848	12842	12834	12829	12825	12821	12818	12818
27.5	12374	12373	12372	12374	12373	12367	12358	12346	12331	12312
30.0	11859	11877	11896	11905	11912	11906	11892	11868	11836	11798
32.5	11195	11126	11079	11049	11044	11056	11084	11133	11192	11271
35.0	10295	10235	10200	10178	10177	10191	10215	10257	10307	10371
37.5	9393	9344	9320	9306	9309	9325	9347	9382	9422	9470
40.0	8483	8449	8437	8433	8442	8458	8478	8503	8532	8562
42.5	7573	7554	7554	7560	7574	7592	7610	7624	7641	7653
45.0	6663	6657	6669	6686	6707	6725	6742	6745	6750	6746
47.5	5816	5882	5929	5965	5988	5997	5994	5965	5910	5842
50.0	5137	5189	5224	5252	5269	5275	5275	5250	5203	5122
52.5	4469	4504	4522	4540	4550	4553	4558	4541	4505	4438
55.0	3808	3825	3823	3829	3831	3832	3842	3837	3818	3768
57.5	3156	3152	3128	3118	3111	3111	3128	3137	3140	3114
60.0	2514	2485	2435	2407	2392	2390	2416	2443	2471	2479
62.5	2022	2074	2091	2106	2107	2090	2070	2025	1965	1876
65.0	1755	1796	1810	1822	1822	1808	1790	1752	1701	1628
67.5	1489	1520	1530	1537	1537	1525	1510	1481	1441	1385
70.0	1227	1245	1250	1253	1252	1243	1232	1212	1185	1147

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-01-26

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	966.6	972.2	970.5	969.6	966.3	960.5	954.3	944.6	931.4	913.4
75.0	708.8	700.5	691.5	686.0	681.1	678.5	677.7	678.9	680.3	684.1
77.5	405.4	378.6	358.4	346.1	340.6	342.4	351.0	366.5	388.3	420.0
80.0	77.57	44.62	20.14	5.087	0	5.031	19.73	43.18	74.27	112.9
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	15418	15418	15418	15418	15418	15418	15418	15418	15418	15418
2.5	15299	15302	15306	15310	15316	15322	15329	15336	15345	15354
5.0	15169	15173	15178	15184	15192	15201	15211	15223	15237	15253
7.5	15030	15030	15031	15035	15042	15051	15062	15077	15096	15118
10.0	14879	14874	14870	14868	14870	14877	14887	14902	14922	14949
12.5	14720	14704	14691	14679	14672	14671	14674	14686	14706	14735
15.0	14548	14518	14490	14464	14445	14434	14430	14434	14451	14479
17.5	14328	14316	14269	14229	14191	14162	14146	14141	14150	14178
20.0	13840	13889	13956	13964	13906	13856	13819	13802	13803	13826
22.5	13339	13378	13429	13503	13585	13509	13449	13410	13397	13412
25.0	12829	12845	12881	12932	13014	13119	13029	12964	12931	12936
27.5	12299	12295	12301	12332	12385	12476	12552	12456	12396	12381
30.0	11756	11721	11697	11690	11711	11771	11879	11877	11779	11737
32.5	11199	11125	11061	11010	10991	11013	11082	11208	11074	10996
35.0	10446	10510	10392	10294	10224	10197	10222	10300	10262	10139
37.5	9522	9582	9643	9537	9413	9335	9293	9304	9366	9200
40.0	8598	8630	8661	8685	8570	8418	8314	8274	8305	8187
42.5	7670	7683	7686	7680	7656	7478	7323	7228	7196	7115
45.0	6741	6740	6723	6702	6638	6542	6343	6208	6107	6029
47.5	5822	5808	5780	5747	5674	5568	5421	5250	5095	5005
50.0	4995	4891	4869	4837	4786	4697	4575	4398	4247	4149
52.5	4331	4178	3993	3984	3988	3933	3814	3704	3551	3460
55.0	3689	3569	3418	3239	3282	3263	3182	3104	2978	2904
57.5	3074	3000	2890	2774	2676	2683	2644	2574	2505	2433
60.0	2483	2466	2409	2351	2278	2185	2174	2135	2099	2030
62.5	1917	1963	1971	1957	1912	1837	1779	1765	1734	1699
65.0	1566	1520	1566	1593	1576	1526	1474	1447	1420	1410
67.5	1339	1304	1276	1255	1269	1244	1211	1173	1150	1142
70.0	1118	1095	1074	1044	1000	991.0	972.8	944.8	908.6	901.8
72.5	900.3	888.6	876.9	856.0	821.7	777.1	756.0	744.9	707.7	696.0
75.0	686.4	686.2	684.4	673.7	651.1	619.4	582.5	571.0	550.7	530.9
77.5	455.0	486.5	495.5	496.2	488.7	472.6	450.6	434.0	420.0	406.6
80.0	156.7	203.5	252.2	298.0	333.7	334.5	328.9	324.4	313.4	295.8
82.5	0	0	0	40.31	99.46	155.2	209.1	223.9	225.8	205.8
85.0	0	0	0	0	0	0	0	61.87	133.2	142.9
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	15418	15418								
2.5	15363	15374								
5.0	15271	15291								
7.5	15143	15172								
10.0	14981	15019								
12.5	14772	14818								
15.0	14521	14575								
17.5	14224	14287								
20.0	13872	13944								
22.5	13460	13539								
25.0	12980	13067								
27.5	12420	12509								
30.0	11760	11854								
32.5	10998	11086								
35.0	10120	10211								
37.5	9151	9232								
40.0	8104	8170								
42.5	6994	7036								
45.0	5883	5905								
47.5	4888	4887								
50.0	4068	4044								
52.5	3416	3380								
55.0	2882	2836								
57.5	2420	2367								
60.0	2024	1995								
62.5	1670	1656								

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-01-26

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	1374	1368
67.5	1116	1109
70.0	885.8	875.4
72.5	687.1	669.3
75.0	527.9	509.3
77.5	398.3	385.2
80.0	285.8	276.6
82.5	193.7	174.3
85.0	138.6	110.8
87.5	96.14	111.3
90.0	0	0

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-01-26

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: