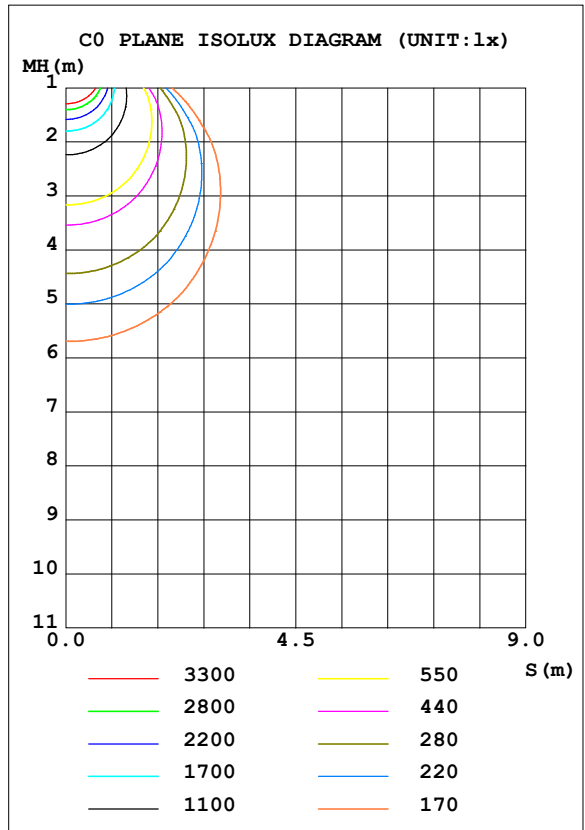
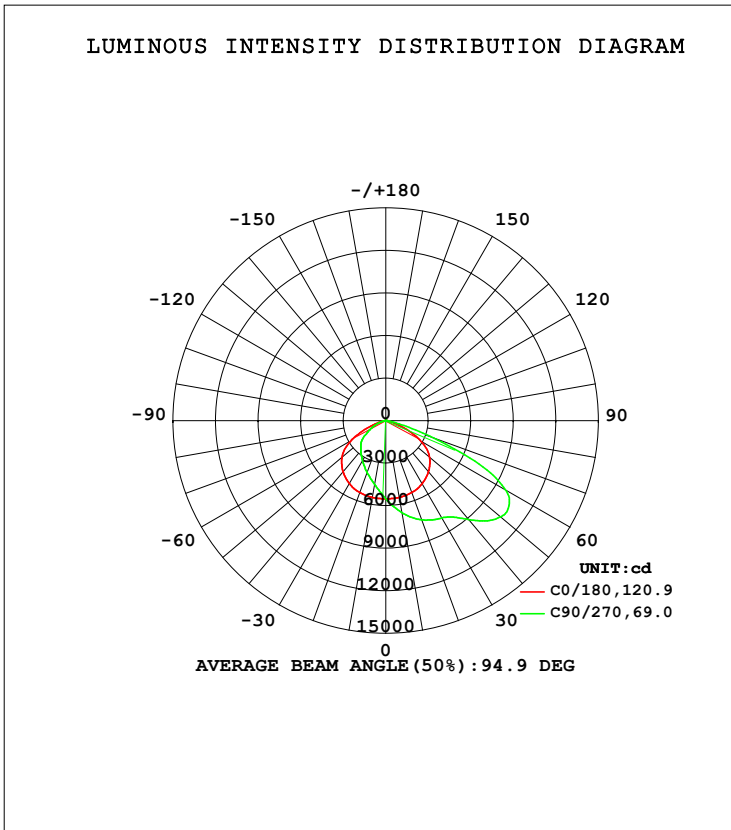


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:229.9V I:0.6483A P:144.9W PF:0.9720 Lamp Flux:20153.6x1 lm		
NAME: FL15-150	TYPE:150W	WEIGHT:
SPEC.:5000K Ra70 F01602	DIM.:	SERIAL No.:
MFR.:	SUR.:0.264*0.212	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 139.09 lm/W			
MODEL	3030	I <sub>max</sub> (cd)	10715	S/MH (C0/180)	1.38
NOMINAL POWER (W)	150	LOR (%)	100.0	S/MH (C90/270)	0.90
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	20154	η UP, DN (C0-180)	0.0, 69.1
NOMINAL FLUX (lm)	20153.6	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 30.9
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	230	η down (%)	100.0	CIBSE SHR MAX	1.55



C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2018-10-17

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
 Humidity: 65.0%  
 Test Distance: 9.500m [K=1.0000]  
 Remarks:

Checker: LI

Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

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**ZONAL FLUX DIAGRAM**

ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
5	551.6	589.5	605.3	589.5	551.6	515.5	501.0	515.5	0- 5	131.9	131.9	0.65,0.65
10	550.3	627.5	658.8	627.5	550.3	482.7	457.4	482.7	5- 10	396.1	528.1	2.62,2.62
15	546.5	663.4	706.8	663.4	546.5	452.9	420.9	452.9	10- 15	659.5	1188	5.89,5.89
20	540.0	696.4	745.0	696.4	540.0	424.9	389.0	424.9	15- 20	918.6	2106	10.5,10.5
25	530.4	725.1	772.1	725.1	530.4	397.9	357.6	397.9	20- 25	1167	3273	16.2,16.2
30	513.6	745.5	792.5	745.5	513.6	371.1	328.2	371.1	25- 30	1398	4671	23.2,23.2
35	494.0	759.7	831.4	759.7	494.0	342.9	301.3	342.9	30- 35	1602	6273	31.1,31.1
40	469.9	754.4	911.3	754.4	469.9	311.8	275.8	311.8	35- 40	1793	8066	40,40
45	440.1	747.6	1000	747.6	440.1	284.3	250.7	284.3	40- 45	1968	10034	49.8,49.8
50	403.9	718.3	1056	718.3	403.9	257.2	223.1	257.2	45- 50	2093	12127	60.2,60.2
55	355.8	653.2	1058	653.2	355.8	229.4	177.5	229.4	50- 55	2135	14262	70.8,70.8
60	282.7	564.7	972.9	564.7	282.7	194.9	132.3	194.9	55- 60	2042	16304	80.9,80.9
65	195.2	434.3	727.6	434.3	195.2	138.7	96.54	138.7	60- 65	1749	18053	89.6,89.6
70	106.4	244.5	363.0	244.5	106.4	83.80	58.00	83.80	65- 70	1215	19268	95.6,95.6
75	44.36	105.8	114.9	105.8	44.36	38.87	29.82	38.87	70- 75	618.6	19887	98.7,98.7
80	12.89	26.66	27.61	26.66	12.89	11.32	11.33	11.32	75- 80	215.0	20102	99.7,99.7
85	1.762	2.438	3.012	2.438	1.762	2.259	3.069	2.259	80- 85	44.62	20146	100,100
90	0.5279	0.4830	0.6263	0.4830	0.5279	1.204	1.859	1.204	85- 90	7.202	20154	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:×10cd									UNIT:lm		

Conical surface Flux(90deg): 10034 lm

%lum = 49.8%  
 %lamp = 49.8%

Conical surface Flux(120deg): 16304 lm

%lum = 80.9%  
 %lamp = 80.9%

C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018-10-17

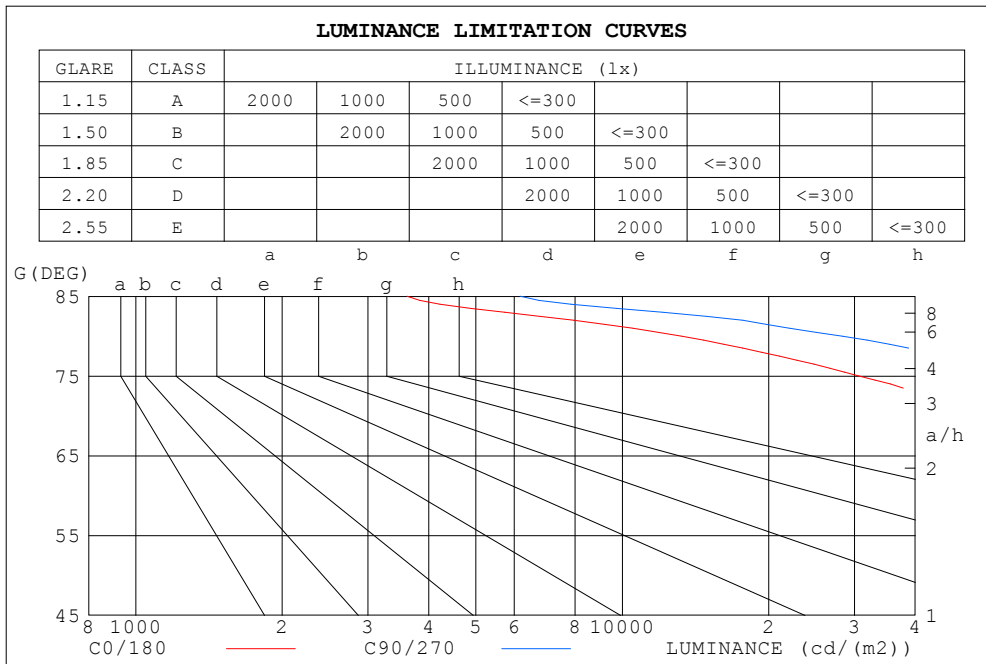
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 $\gamma$  Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
 Humidity:65.0%  
 Test Distance:9.500m [K=1.0000]  
 Remarks:

Checker: LI

Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINANCE LIMITATION CURVES



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3610	6171
80	13258	28394
75	30604	79280
70	55559	189518
65	82467	307421
60	100959	347465
55	110785	329342
50	112201	293474
45	111135	252575

C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2018-10-17

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
 Humidity: 65.0%  
 Test Distance: 9.500m [K=1.0000]  
 Remarks:

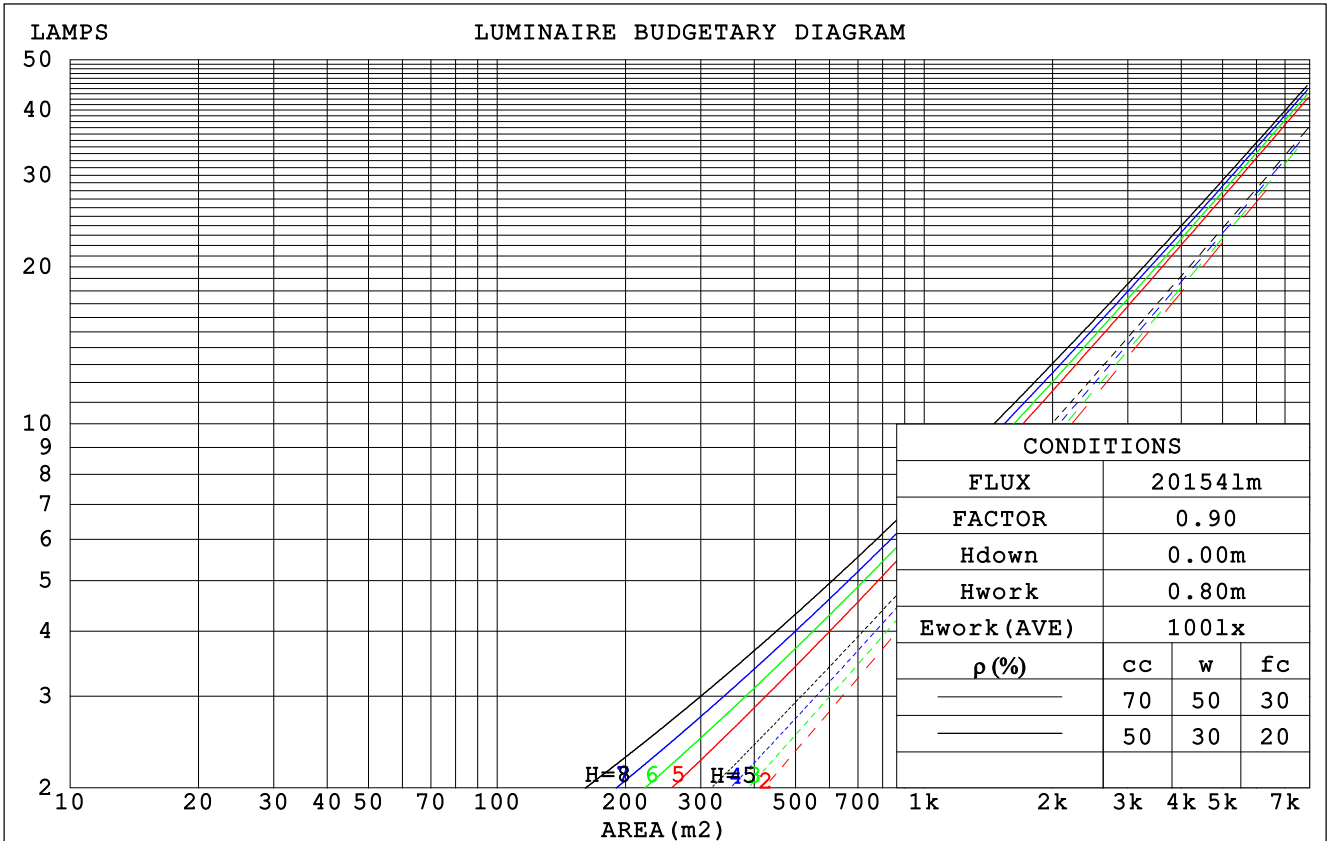
Checker: LI

Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	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	1.05	1.01	.97	1.03	.99	.95	.98	.95	.92	.94	.92	.90	.91	.89	.87	.85
2.0	.91	.84	.79	.89	.83	.78	.86	.80	.76	.82	.78	.74	.79	.76	.72	.70
3.0	.79	.71	.65	.78	.70	.64	.75	.68	.63	.72	.66	.62	.69	.65	.61	.58
4.0	.70	.61	.54	.68	.60	.54	.66	.59	.53	.63	.57	.52	.61	.56	.51	.49
5.0	.62	.52	.46	.61	.52	.45	.58	.51	.45	.56	.50	.44	.55	.49	.44	.42
6.0	.55	.46	.39	.54	.45	.39	.52	.45	.39	.51	.44	.38	.49	.43	.38	.36
7.0	.50	.41	.34	.49	.40	.34	.47	.39	.34	.46	.39	.34	.44	.38	.33	.31
8.0	.45	.36	.30	.44	.36	.30	.43	.35	.30	.42	.35	.30	.40	.34	.29	.27
9.0	.41	.32	.27	.40	.32	.27	.39	.32	.27	.38	.31	.26	.37	.31	.26	.24
10.0	.38	.29	.24	.37	.29	.24	.36	.29	.24	.35	.28	.24	.34	.28	.24	.22



C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2018-10-17

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
 Humidity: 65.0%  
 Test Distance: 9.500m [K=1.0000]  
 Remarks:

Checker: LI

Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.292	.166	.053	.285	.163	.052	.272	.156	.050	.260	.150	.048	.249	.144	.047	
2.0	.286	.157	.048	.280	.154	.047	.268	.149	.046	.257	.144	.045	.248	.140	.044	
3.0	.270	.144	.043	.264	.142	.043	.254	.138	.042	.245	.134	.041	.236	.130	.040	
4.0	.252	.131	.038	.247	.129	.038	.238	.126	.038	.229	.123	.037	.221	.120	.037	
5.0	.234	.119	.035	.230	.118	.034	.222	.116	.034	.214	.113	.034	.207	.111	.033	
6.0	.218	.109	.031	.214	.108	.031	.207	.106	.031	.200	.104	.031	.194	.102	.030	
7.0	.203	.101	.029	.200	.100	.028	.193	.098	.028	.187	.096	.028	.181	.094	.028	
8.0	.190	.093	.026	.187	.092	.026	.181	.090	.026	.176	.089	.026	.170	.087	.025	
9.0	.178	.086	.024	.175	.085	.024	.170	.084	.024	.165	.083	.024	.160	.081	.024	
10.0	.167	.080	.022	.165	.080	.022	.160	.078	.022	.156	.077	.022	.151	.076	.022	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	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	.179	.156	.136	.153	.134	.117	.105	.092	.081	.060	.053	.047	.019	.017	.015	
2.0	.171	.132	.099	.147	.114	.085	.101	.079	.060	.058	.046	.035	.019	.015	.011	
3.0	.164	.114	.074	.141	.099	.064	.097	.068	.045	.056	.040	.027	.018	.013	.009	
4.0	.158	.101	.058	.135	.087	.050	.093	.061	.035	.054	.036	.021	.017	.012	.007	
5.0	.151	.091	.047	.129	.079	.041	.089	.055	.029	.052	.032	.017	.017	.011	.006	
6.0	.144	.082	.038	.124	.071	.034	.085	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.137	.076	.033	.118	.066	.028	.082	.046	.020	.047	.027	.012	.015	.009	.004	
8.0	.131	.070	.028	.113	.061	.025	.078	.043	.017	.045	.025	.010	.015	.008	.003	
9.0	.125	.065	.025	.107	.056	.022	.074	.040	.015	.043	.023	.009	.014	.008	.003	
10.0	.119	.061	.022	.103	.053	.019	.071	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018-10-17

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
 Humidity:65.0%  
 Test Distance:9.500m [K=1.0000]  
 Remarks:

Checker: LI

Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

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**UGR(Unified Glare Rating) Table**

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	29.9	31.5	30.2	31.7	31.9	36.3	37.8	36.5	38.0	38.2
3H	30.3	31.8	30.6	32.0	32.2	37.5	39.0	37.8	39.2	39.5
4H	30.3	31.7	30.6	31.9	32.2	37.6	38.9	37.9	39.2	39.5
6H	30.3	31.5	30.6	31.8	32.1	37.5	38.8	37.8	39.1	39.3
8H	30.2	31.4	30.6	31.7	32.0	37.5	38.7	37.8	39.0	39.3
12H	30.2	31.3	30.5	31.6	31.9	37.4	38.6	37.8	38.9	39.2
4H 2H	31.7	33.1	32.1	33.3	33.6	36.5	37.8	36.8	38.1	38.3
3H	32.1	33.3	32.4	33.6	33.9	37.9	39.1	38.3	39.4	39.7
4H	32.1	33.2	32.5	33.5	33.8	38.0	39.1	38.4	39.4	39.8
6H	32.0	33.0	32.4	33.3	33.7	38.0	38.9	38.4	39.3	39.6
8H	32.0	32.9	32.4	33.2	33.6	37.9	38.8	38.4	39.2	39.6
12H	31.9	32.7	32.4	33.1	33.5	37.9	38.7	38.3	39.1	39.5
8H 4H	32.5	33.3	32.9	33.7	34.1	37.9	38.8	38.4	39.2	39.6
6H	32.4	33.1	32.9	33.5	34.0	37.9	38.6	38.4	39.0	39.5
8H	32.4	33.0	32.9	33.4	33.9	37.9	38.5	38.3	38.9	39.4
12H	32.4	32.9	32.8	33.3	33.8	37.9	38.4	38.3	38.8	39.3
12H 4H	32.4	33.2	32.9	33.6	34.0	37.9	38.7	38.3	39.1	39.5
6H	32.4	33.0	32.9	33.5	33.9	37.9	38.5	38.3	38.9	39.4
8H	32.4	32.9	32.9	33.4	33.8	37.9	38.4	38.3	38.8	39.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.5 / - 0.6					+ 0.2 / - 0.3				
1.5H	+ 0.3 / - 0.5					+ 0.4 / - 0.7				
2.0H	+ 0.7 / - 1.7					+ 1.1 / - 2.0				

CIE Pub.117 Corrected 20154 lm Total Lamp Luminous Flux. (8log(F/F0) = 10.4)

C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018-10-17

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
 Humidity:65.0%  
 Test Distance:9.500m [K=1.0000]  
 Remarks:

Checker: LI

Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

UTILIZATION FACTORS TABLE

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) $k(RI) \times RCR = 5$									
$k = 0.60$	54	42	35	53	42	34	52	41	34	28
0.80	65	53	45	64	52	45	62	52	45	37
1.00	74	63	55	73	62	55	71	64	54	47
1.25	82	71	64	81	71	64	78	69	63	55
1.50	87	77	70	86	77	70	83	75	69	61
2.00	95	86	80	93	85	79	90	83	78	70
2.50	99	91	85	97	90	84	93	87	83	74
3.00	103	96	91	100	94	89	96	91	87	79
4.00	107	101	97	104	99	95	100	96	93	84
5.00	109	105	101	107	103	99	102	99	96	87
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2018-10-17

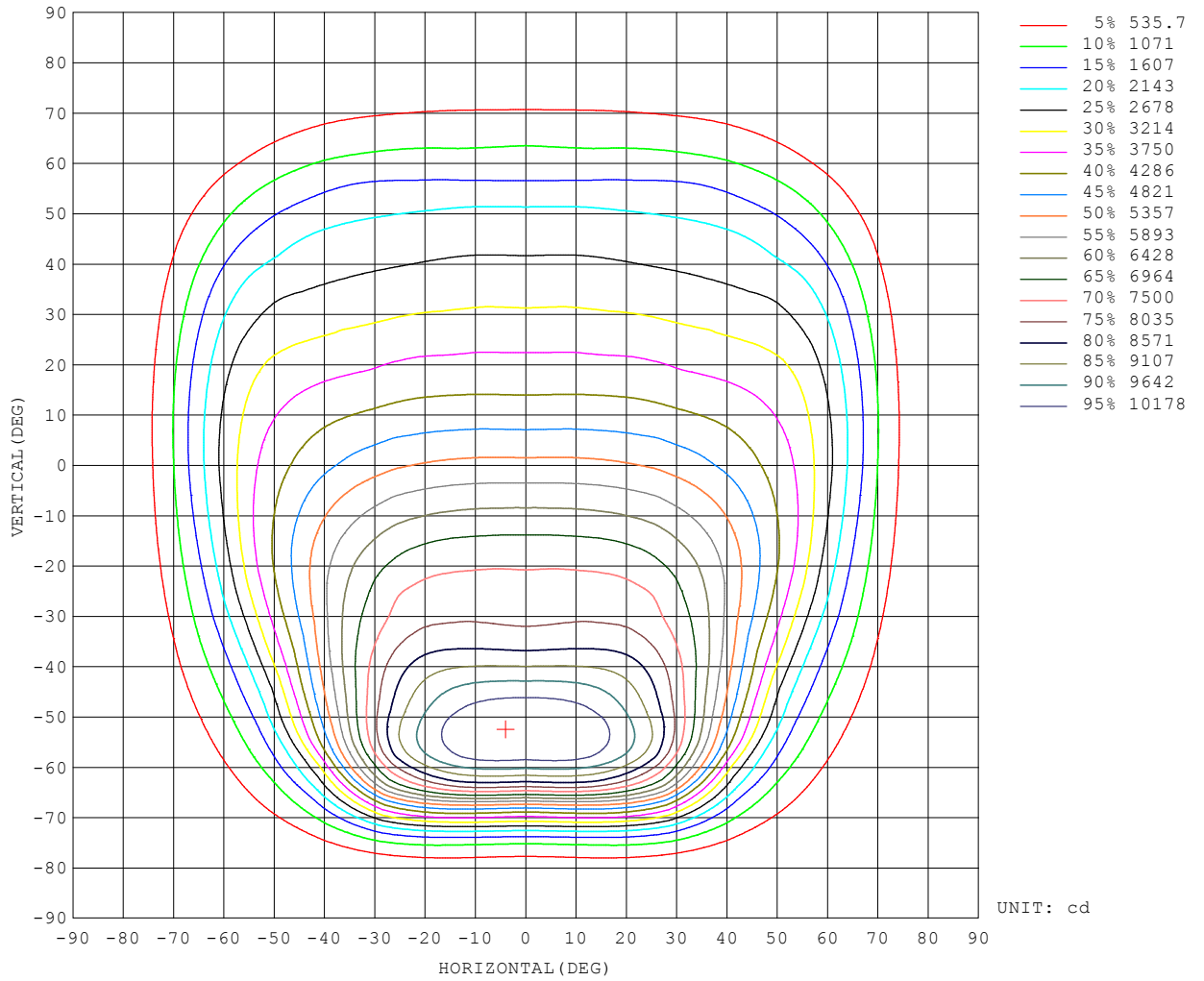
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
 Humidity: 65.0%  
 Test Distance: 9.500m [K=1.0000]  
 Remarks:

Checker: LI

Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2018-10-17

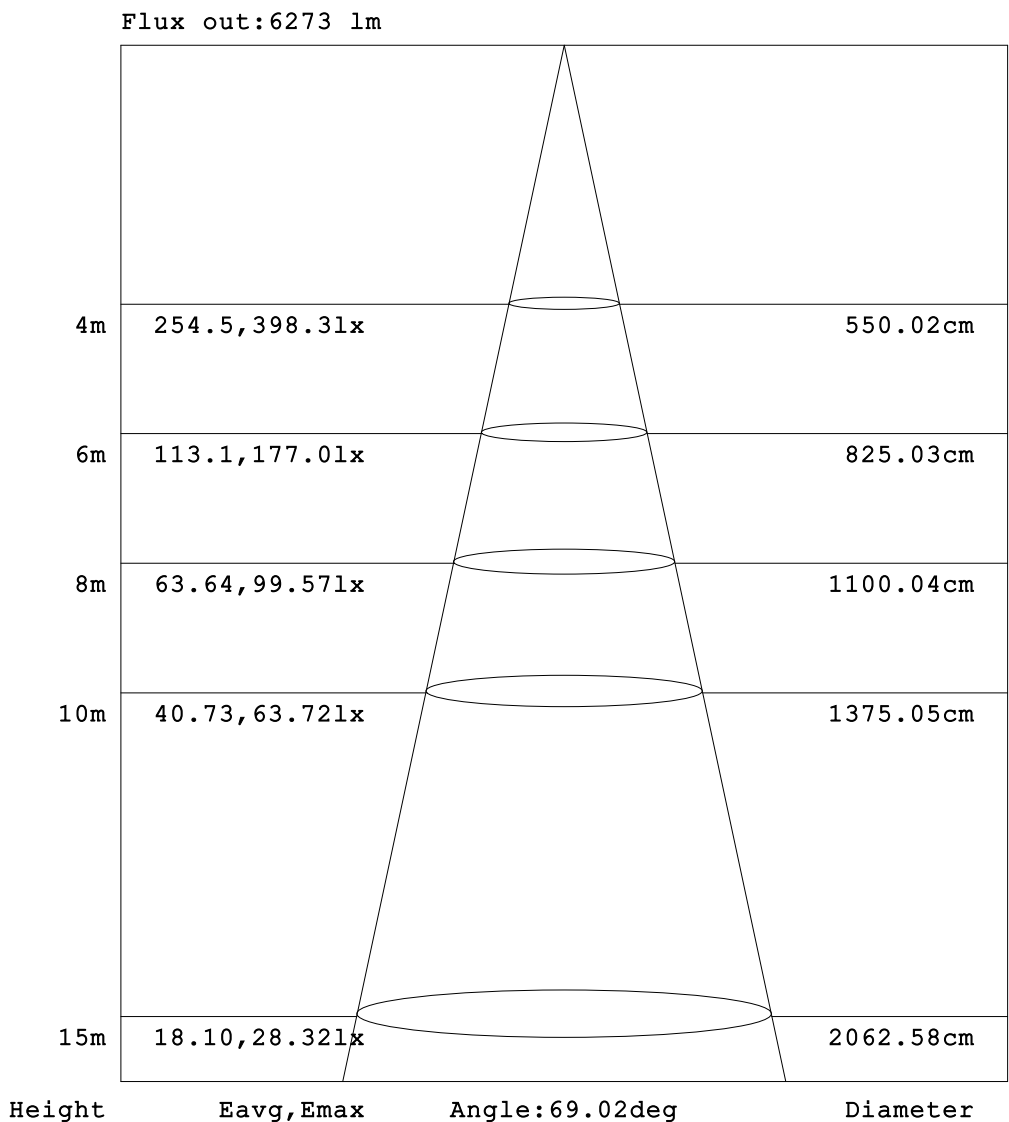
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity: 65.0%  
Test Distance: 9.500m [K=1.0000]  
Remarks:

Checker: LI

Assessor:



AAI Figure



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

C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2018-10-17

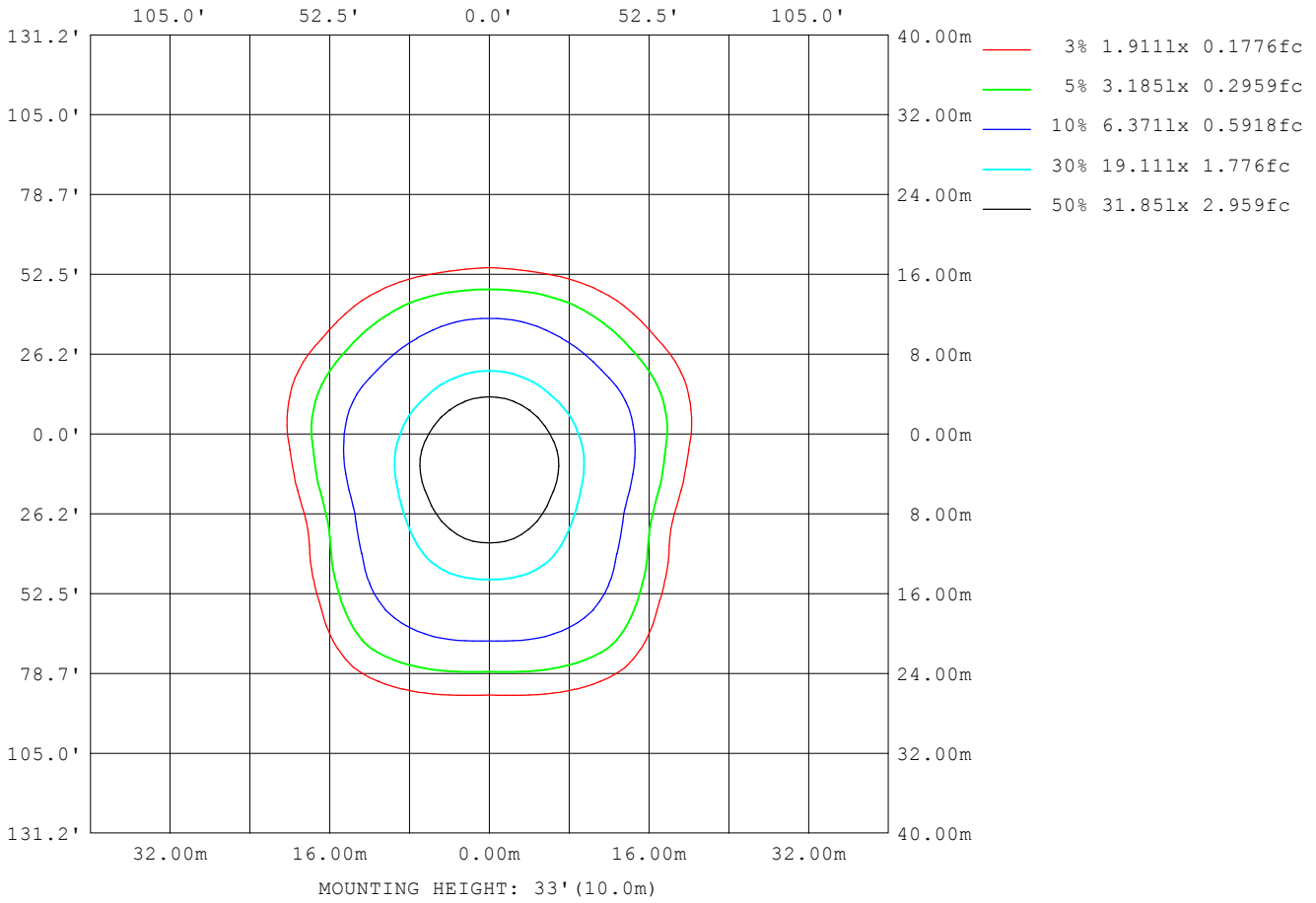
γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
 Humidity: 65.0%  
 Test Distance: 9.500m [K=1.0000]  
 Remarks:

Checker: LI

Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM



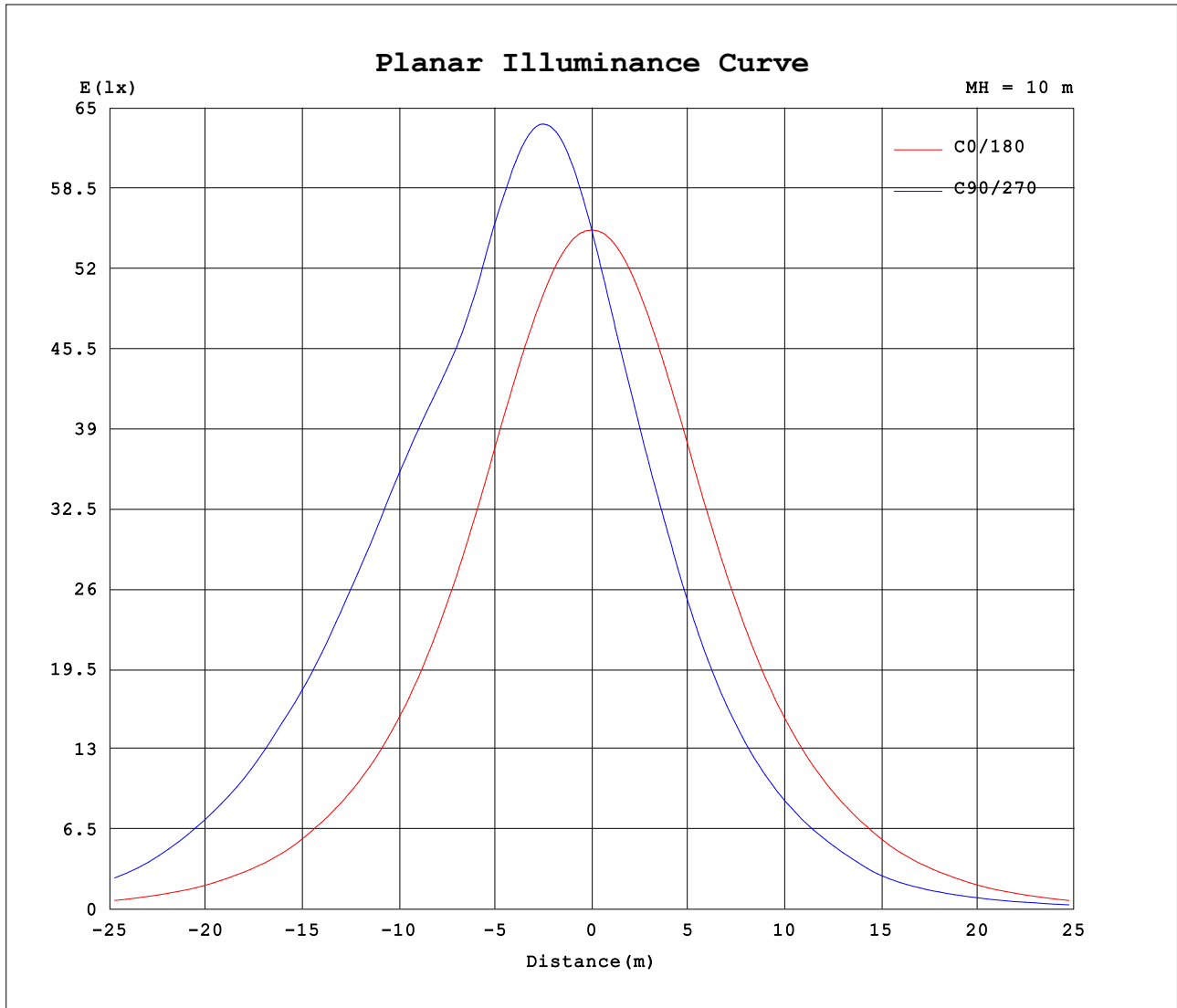
C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2018-10-17

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
 Humidity: 65.0%  
 Test Distance: 9.500m [K=1.0000]  
 Remarks:

Checker: LI

Assessor:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2018-10-17

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
 Humidity: 65.0%  
 Test Distance: 9.500m [K=1.0000]  
 Remarks:

Checker: LI

Assessor:













EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--6

UNIT: x10cd

C (DEG) γ (DEG)	237.5	240	242.5	245	247.5	250	252.5	255	257.5	260	262.5	265	267.5	270	272.5	275	277.5	280	282.5
0	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551
5	509	508	507	506	505	504	503	503	502	502	501	501	501	501	501	501	501	502	502
10	471	469	467	466	464	463	462	461	460	459	458	458	458	457	458	458	458	459	460
15	438	436	434	431	430	428	426	425	424	423	422	421	421	421	421	421	422	423	424
20	408	405	403	400	398	396	395	393	392	391	390	390	389	389	389	390	390	391	392
25	379	376	374	371	369	367	366	364	362	361	360	359	358	358	358	359	360	361	362
30	350	347	344	342	340	338	336	335	333	332	330	329	329	328	329	329	330	332	333
35	321	318	315	313	311	310	308	307	306	304	303	302	302	301	302	302	303	304	306
40	294	291	289	287	285	284	283	282	280	279	278	277	276	276	276	277	278	279	280
45	267	265	263	261	260	258	257	256	255	254	253	252	251	251	251	252	253	254	255
50	240	238	236	234	233	232	230	229	228	227	225	224	224	223	224	224	225	227	228
55	211	208	205	202	199	196	193	191	187	185	182	180	178	177	178	180	182	185	187
60	168	163	158	153	148	144	140	137	135	133	132	132	132	132	132	132	132	133	135
65	119	115	112	108	105	102	99.8	97.7	96.7	96.1	95.8	95.8	96.1	96.5	96.1	95.8	95.8	96.1	96.7
70	73.1	71.4	69.3	67.4	65.5	63.8	62.2	60.8	59.8	59.0	58.4	58.1	57.9	58.0	57.9	58.1	58.4	59.0	59.8
75	35.6	35.0	34.3	33.5	32.7	32.0	31.3	30.7	30.3	30.0	29.8	29.7	29.7	29.8	29.7	29.7	29.8	30.0	30.3
80	11.6	11.6	11.5	11.4	11.3	11.1	11.0	10.9	11.0	11.0	11.1	11.1	11.2	11.3	11.2	11.1	11.1	11.0	11.0
85	2.54	2.60	2.64	2.68	2.72	2.76	2.80	2.83	2.88	2.92	2.96	3.00	3.03	3.07	3.03	3.00	2.96	2.92	2.88
90	1.48	1.53	1.58	1.62	1.66	1.69	1.73	1.76	1.78	1.81	1.83	1.84	1.85	1.86	1.85	1.84	1.83	1.81	1.78

C Range: 0 - 360DEG	γ Range: 0 - 90DEG
C Interval: 2.5DEG	γ Interval: 0.5DEG
Test Speed: HIGH	Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Temperature: 25.3DEG	Humidity: 65.0%
Operators:	Test Distance: 9.500m [K=1.0000]
Test Date: 2018-10-17	Remarks:
Checker: LI	Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

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**LUMINOUS DISTRIBUTION INTENSITY DATA**

Table--7

UNIT: x10cd

C (DEG) γ (DEG)	285	287.5	290	292.5	295	297.5	300	302.5	305	307.5	310	312.5	315	317.5	320	322.5	325	327.5	330
0	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551
5	503	503	504	505	506	507	508	509	510	511	513	514	516	517	519	520	522	524	526
10	461	462	463	464	466	467	469	471	473	475	478	480	483	485	488	491	495	498	501
15	425	426	428	430	431	434	436	438	441	444	447	450	453	456	460	464	468	472	477
20	393	395	396	398	400	403	405	408	411	414	417	421	425	429	433	438	443	448	453
25	364	366	367	369	371	374	376	379	382	386	390	394	398	403	407	413	418	424	430
30	335	336	338	340	342	344	347	350	354	358	362	366	371	376	381	387	392	398	405
35	307	308	310	311	313	315	318	321	325	329	333	338	343	347	352	357	363	369	375
40	282	283	284	285	287	289	291	294	297	300	303	307	312	317	322	328	334	341	348
45	256	257	258	260	261	263	265	267	270	273	276	280	284	289	294	300	306	313	320
50	229	230	232	233	234	236	238	240	243	246	249	253	257	262	266	271	277	284	291
55	191	193	196	199	202	205	208	211	214	218	221	225	229	234	238	243	249	255	262
60	137	140	144	148	153	158	163	168	174	179	184	190	195	199	203	208	212	217	223
65	97.7	99.8	102	105	108	112	115	119	122	126	130	134	139	144	149	154	160	165	171
70	60.8	62.2	63.8	65.5	67.4	69.3	71.4	73.1	74.9	76.9	79.0	81.3	83.8	87.2	90.7	94.4	98.1	102	106
75	30.7	31.3	32.0	32.7	33.5	34.3	35.0	35.6	36.2	36.8	37.5	38.1	38.9	39.7	40.6	41.6	42.6	43.8	45.1
80	10.9	11.0	11.1	11.3	11.4	11.5	11.6	11.6	11.5	11.4	11.4	11.3	11.3	11.4	11.4	11.6	11.8	12.0	12.4
85	2.83	2.80	2.76	2.72	2.68	2.64	2.60	2.54	2.48	2.43	2.37	2.31	2.26	2.22	2.18	2.15	2.12	2.10	2.08
90	1.76	1.73	1.69	1.66	1.62	1.58	1.53	1.48	1.43	1.37	1.32	1.26	1.20	1.15	1.09	1.04	0.99	0.94	0.89

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C Range: 0 - 360DEG	γ Range: 0 - 90DEG
C Interval: 2.5DEG	γ Interval: 0.5DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Temperature:25.3DEG	Humidity:65.0%
Operators:	Test Distance:9.500m [K=1.0000]
Test Date:2018-10-17	Remarks:
Checker: LI	Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

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**LUMINOUS DISTRIBUTION INTENSITY DATA**

Table--8

UNIT: x10cd

C (DEG) γ (DEG)	332.5	335	337.5	340	342.5	345	347.5	350	352.5	355	357.5								
0	551	551	551	551	551	551	551	551	551	551	551								
5	528	530	532	534	536	538	540	543	545	547	549								
10	505	508	512	516	520	524	529	533	537	542	546								
15	482	487	492	497	503	509	515	521	527	534	540								
20	459	465	471	478	485	492	499	507	515	523	532								
25	436	443	450	457	465	473	482	491	501	510	520								
30	411	418	426	433	442	451	460	471	481	492	503								
35	383	391	399	408	418	428	439	450	460	472	483								
40	356	365	374	384	394	405	416	427	437	448	459								
45	329	338	348	358	369	379	390	400	410	420	430								
50	300	310	320	330	341	352	361	371	380	388	396								
55	270	280	289	299	309	318	326	333	340	346	351								
60	230	238	246	254	261	268	272	276	279	281	282								
65	177	183	189	194	199	202	204	204	203	202	199								
70	110	113	117	120	122	123	123	121	119	115	111								
75	47.3	49.5	51.5	53.4	54.8	55.7	55.3	54.2	52.6	50.4	47.6								
80	13.2	14.0	14.8	15.6	16.2	16.7	16.6	16.3	15.7	15.0	14.0								
85	2.07	2.07	2.06	2.06	2.05	2.03	2.00	1.96	1.92	1.87	1.82								
90	0.86	0.83	0.80	0.78	0.75	0.73	0.69	0.66	0.63	0.60	0.56								

C Range: 0 - 360DEG	γ Range: 0 - 90DEG
C Interval: 2.5DEG	γ Interval: 0.5DEG
Test Speed: HIGH	Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Temperature: 25.3DEG	Humidity: 65.0%
Operators:	Test Distance: 9.500m [K=1.0000]
Test Date: 2018-10-17	Remarks:
Checker: LI	Assessor: