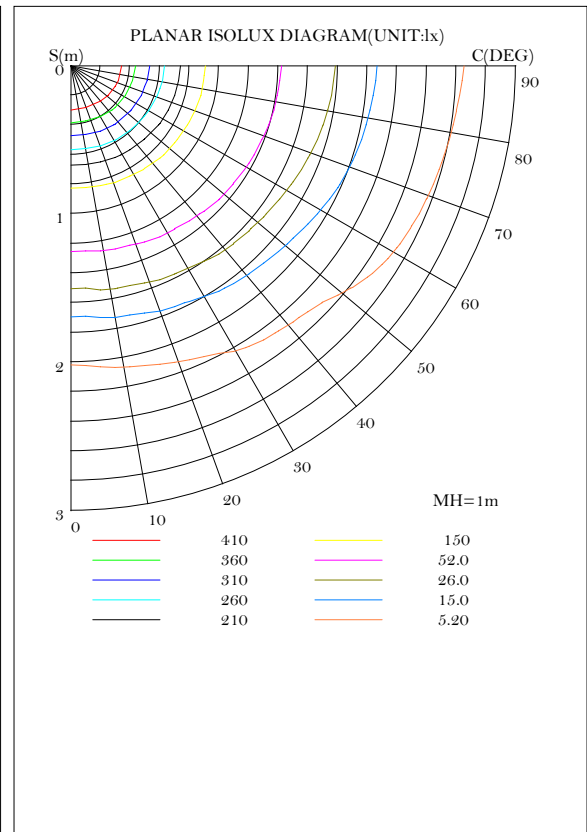
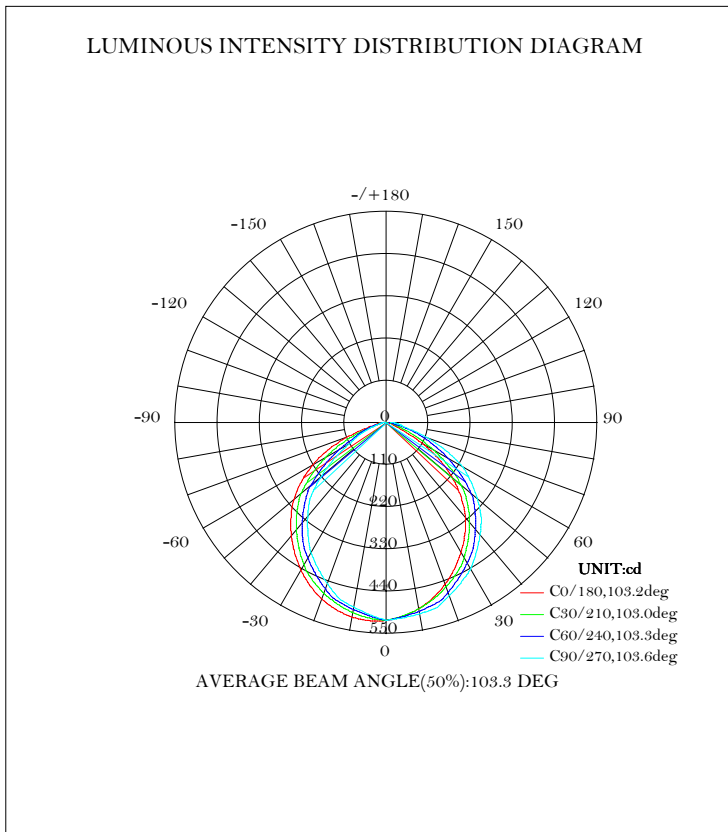


### LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: CONVEX - 61B711	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.: 1608121003
MFR.: AËON ILLUMINATION	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 72.10 lm/W
MODEL	CTTIZEN	I <sub>max</sub> (cd)	518.5	S/MH(C0/180)		1.14
NOMINAL POWER(W)	15	LOR(%)	90.8	S/MH(C90/270)		1.27
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	1225.7	hUP, DN(C0-180)		0.0,49.6
NOMINAL FLUX(lm)	1350	CIE CLASS	DIRECT	hUP, DN(C180-360)		0.0,41.2
LAMPS INSIDE	1	hup(%)	0.0	CIBSE SHR NOM		1.25
TEST VOLTAGE(V)	220.7	hdown(%)	90.8	CIBSE SHR MAX		1.35



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 30DEG  
 Operators: HCZ  
 Test Date: 2016-08-12

gRange: 0 - 90DEG  
 gInterval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.275  
 Humidity: 65.0%  
 Test Distance: 6.172m [K=1.0000]  
 Remarks:

### ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315 g	F	zoneF	total	%lum,lamp
5	507.0	507.0	511.2	514.8	518.5	508.8	502.4	500.7	0- 5	12.22	12.22	1.00,0.91
10	493.0	496.0	506.5	510.5	514.9	498.9	488.9	483.2	5- 10	36.00	48.22	3.93,3.57
15	473.7	483.0	501.9	503.1	505.0	486.5	475.5	463.3	10- 15	58.35	106.6	8.69,7.89
20	449.8	468.0	481.8	492.7	490.0	471.8	448.0	441.6	15- 20	78.44	185.0	15.1,13.7
25	422.0	442.1	461.7	471.2	469.5	446.0	420.4	410.5	20- 25	95.17	280.2	22.9,20.8
30	391.6	413.6	441.6	446.4	444.7	417.3	392.8	377.4	25- 30	108.4	388.6	31.7,28.8
35	358.4	384.6	411.8	420.6	415.9	387.7	355.6	344.2	30- 35	117.8	506.3	41.3,37.5
40	322.6	354.1	382.0	393.0	384.6	356.2	318.4	307.0	35- 40	122.6	628.9	51.3,46.6
45	278.3	314.0	352.2	358.4	351.1	314.3	281.2	256.9	40- 45	122.8	751.7	61.3,55.7
50	228.3	271.5	311.5	323.3	314.5	270.4	223.3	205.0	45- 50	117.7	869.5	70.9,64.4
55	170.8	225.6	270.9	286.8	270.6	223.6	165.5	151.1	50- 55	106.0	975.5	79.6,72.3
60	105.9	163.8	230.2	236.8	220.7	160.4	107.6	93.94	55- 60	88.27	1064	86.8,78.8
65	44.03	102.6	170.0	185.6	162.8	97.62	76.86	45.59	60- 65	66.31	1130	92.2,83.7
70	21.46	57.07	109.9	131.7	97.48	52.52	46.10	19.16	65- 70	44.42	1174	95.8,87
75	14.94	34.59	49.66	74.66	38.70	31.51	15.34	12.09	70- 75	25.89	1200	97.9,88.9
80	7.639	19.02	37.13	28.00	21.75	14.75	10.24	5.656	75- 80	13.11	1213	99,89.9
85	0.0406	11.52	24.60	20.11	14.54	7.414	5.151	2.798	80- 85	7.986	1221	99.7,90.5
90	0.0347	4.145	12.06	12.64	1.915	0.0273	0.0569	0.0793	85- 90	4.267	1226	100,90.8
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		

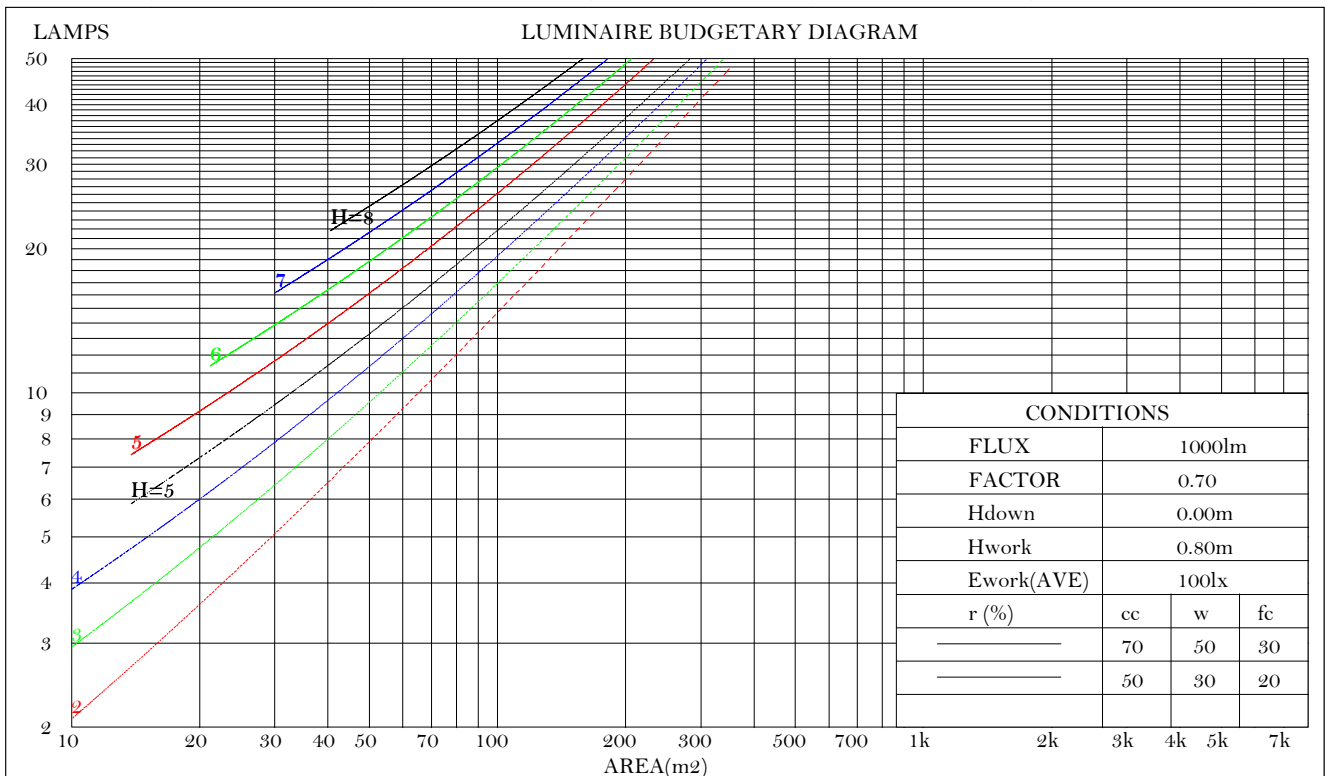
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 30DEG  
 Operators: HCZ  
 Test Date: 2016-08-12

gRange: 0 - 90DEG  
 gInterval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.275  
 Humidity: 65.0%  
 Test Distance: 6.172m [K=1.0000]  
 Remarks:

### CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: CONVEX - 61B711	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.: 1608121003
MFR.: AËON ILLUMINATION	SUR.:	PROTECTION ANGLE:

rc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
fc	20%			20%			20%			20%			20%			0
RCR:Room	Cavity Ratio						Coefficients of Utilization (CU)									
0.0	1.08	1.08	1.08	1.06	1.06	1.06	1.01	1.01	1.01	.97	.97	.97	.93	.93	.93	.91
1.0	.96	.93	.90	.94	.91	.88	.90	.88	.85	.87	.85	.83	.84	.82	.80	.79
2.0	.85	.79	.75	.83	.78	.74	.80	.76	.72	.77	.74	.71	.75	.72	.69	.67
3.0	.75	.69	.63	.74	.68	.63	.71	.66	.62	.69	.64	.61	.67	.63	.60	.58
4.0	.67	.60	.54	.66	.59	.54	.64	.58	.53	.62	.57	.52	.60	.55	.52	.50
5.0	.60	.53	.47	.59	.52	.47	.58	.51	.46	.56	.50	.46	.54	.49	.45	.44
6.0	.55	.47	.41	.54	.47	.41	.52	.46	.41	.51	.45	.41	.49	.44	.40	.38
7.0	.50	.42	.37	.49	.42	.37	.48	.41	.36	.46	.40	.36	.45	.40	.36	.34
8.0	.45	.38	.33	.45	.38	.33	.44	.37	.33	.43	.37	.32	.42	.36	.32	.31
9.0	.42	.35	.30	.41	.34	.30	.40	.34	.30	.39	.33	.29	.38	.33	.29	.28
10.0	.39	.32	.27	.38	.31	.27	.37	.31	.27	.36	.31	.27	.36	.30	.27	.25



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 30DEG  
 Operators: HCZ  
 Test Date: 2016-08-12

gRange: 0 - 90DEG  
 gInterval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.275  
 Humidity: 65.0%  
 Test Distance: 6.172m [K=1.0000]  
 Remarks:

### WEC AND CCEC

NAME: CONVEX - 61B711	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.: 1608121003
MFR.: AËON ILLUMINATION	SUR.:	PROTECTION ANGLE:

rc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR:Room Cavity Ratio																
Wall Exitance Coefficients (WEC)																
0.0																
1.0	.246	.140	.044	.240	.137	.043	.228	.131	.042	.217	.125	.040	.207	.120	.039	
2.0	.237	.130	.040	.232	.128	.039	.221	.123	.038	.212	.119	.037	.203	.115	.036	
3.0	.223	.119	.036	.219	.117	.035	.209	.113	.034	.201	.110	.034	.193	.107	.033	
4.0	.209	.109	.032	.205	.107	.032	.197	.104	.031	.189	.102	.031	.182	.099	.030	
5.0	.196	.100	.029	.192	.098	.029	.185	.096	.028	.178	.094	.028	.172	.092	.028	
6.0	.183	.092	.026	.180	.091	.026	.173	.089	.026	.167	.087	.026	.162	.085	.025	
7.0	.172	.085	.024	.169	.084	.024	.163	.082	.024	.157	.081	.023	.152	.079	.023	
8.0	.161	.079	.022	.158	.078	.022	.153	.077	.022	.149	.075	.022	.144	.074	.022	
9.0	.152	.073	.021	.149	.073	.020	.145	.072	.020	.140	.070	.020	.136	.069	.020	
10.0	.143	.069	.019	.141	.068	.019	.137	.067	.019	.133	.066	.019	.129	.065	.019	

rc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR:Room Cavity Ratio																
Ceiling Cavity Exitance Coefficients (CCEC)																
0.0	.173	.173	.173	.148	.148	.148	.101	.101	.101	.058	.058	.058	.019	.019	.019	
1.0	.161	.142	.125	.138	.122	.107	.094	.084	.074	.054	.049	.043	.017	.016	.014	
2.0	.153	.120	.092	.131	.103	.080	.090	.071	.056	.052	.042	.033	.017	.013	.011	
3.0	.145	.104	.071	.124	.089	.061	.085	.062	.043	.049	.036	.025	.016	.012	.008	
4.0	.138	.091	.055	.119	.079	.048	.082	.055	.034	.047	.032	.020	.015	.010	.007	
5.0	.132	.082	.045	.113	.071	.039	.078	.049	.028	.045	.029	.016	.015	.009	.005	
6.0	.125	.074	.037	.108	.064	.032	.074	.045	.023	.043	.026	.014	.014	.009	.004	
7.0	.120	.068	.031	.103	.059	.027	.071	.041	.019	.041	.024	.012	.013	.008	.004	
8.0	.114	.062	.027	.098	.054	.024	.068	.038	.017	.040	.022	.010	.013	.007	.003	
9.0	.109	.058	.024	.094	.050	.021	.065	.035	.015	.038	.021	.009	.012	.007	.003	
10.0	.104	.054	.021	.090	.047	.018	.062	.033	.013	.036	.020	.008	.012	.006	.003	

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 30DEG  
 Operators: HCZ  
 Test Date: 2016-08-12

gRange: 0 - 90DEG  
 gInterval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.275  
 Humidity: 65.0%  
 Test Distance: 6.172m [K=1.0000]  
 Remarks:

### Uncorrected UGR Table

NAME: CONVEX - 61B711	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.: 1608121003
MFR.: AËON ILLUMINATION	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	20.3	21.8	20.6	22.0	22.2	22.6	24.0	22.9	24.2	24.4
3H	20.3	21.7	20.6	21.9	22.1	23.7	25.0	23.9	25.2	25.4
4H	20.3	21.6	20.6	21.8	22.0	23.8	25.1	24.1	25.3	25.6
6H	20.3	21.4	20.6	21.7	22.0	23.9	25.1	24.3	25.4	25.6
8H	20.2	21.3	20.6	21.6	21.9	24.0	25.1	24.4	25.4	25.7
12H	20.2	21.2	20.5	21.5	21.8	24.1	25.2	24.5	25.5	25.8
4H 2H	20.9	22.1	21.2	22.3	22.6	22.8	24.0	23.1	24.2	24.5
3H	20.9	22.0	21.3	22.3	22.6	23.9	25.0	24.3	25.3	25.6
4H	21.0	21.9	21.3	22.3	22.6	24.2	25.1	24.5	25.5	25.8
6H	21.0	21.8	21.4	22.2	22.5	24.3	25.2	24.7	25.5	25.9
8H	20.9	21.7	21.3	22.1	22.5	24.5	25.3	24.9	25.6	26.0
12H	20.9	21.6	21.3	22.0	22.4	24.6	25.4	25.0	25.7	26.1
8H 4H	21.1	21.9	21.5	22.2	22.6	24.1	24.9	24.5	25.3	25.6
6H	21.2	21.8	21.6	22.2	22.6	24.3	25.0	24.8	25.4	25.8
8H	21.2	21.8	21.6	22.2	22.6	24.5	25.1	25.0	25.5	26.0
12H	21.2	21.7	21.7	22.1	22.6	24.8	25.3	25.2	25.7	26.2
12H 4H	21.1	21.8	21.5	22.2	22.6	24.1	24.8	24.5	25.2	25.6
6H	21.2	21.8	21.6	22.2	22.6	24.3	24.9	24.8	25.3	25.8
8H	21.2	21.7	21.7	22.2	22.7	24.5	25.0	25.0	25.5	25.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.6 / - 0.7					+ 0.2 / - 0.3				
1.5H	+ 0.5 / - 0.9					+ 0.3 / - 0.4				
2.0H	+ 0.9 / - 1.9					+ 0.7 / - 0.8				

CIE Pub.117 Corrected 1350 lm Total Lamp Luminous Flux.(slog(F/F0) = 1.0)

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 30DEG  
 Operators: HCZ  
 Test Date: 2016-08-12

gRange: 0 - 90DEG  
 gInterval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.275  
 Humidity: 65.0%  
 Test Distance: 6.172m [K=1.0000]  
 Remarks:

### UTILIZATION FACTORS TABLE

NAME: CONVEX - 61B711	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.: 1608121003
MFR.: AËON ILLUMINATION	SUR.:	PROTECTION ANGLE:

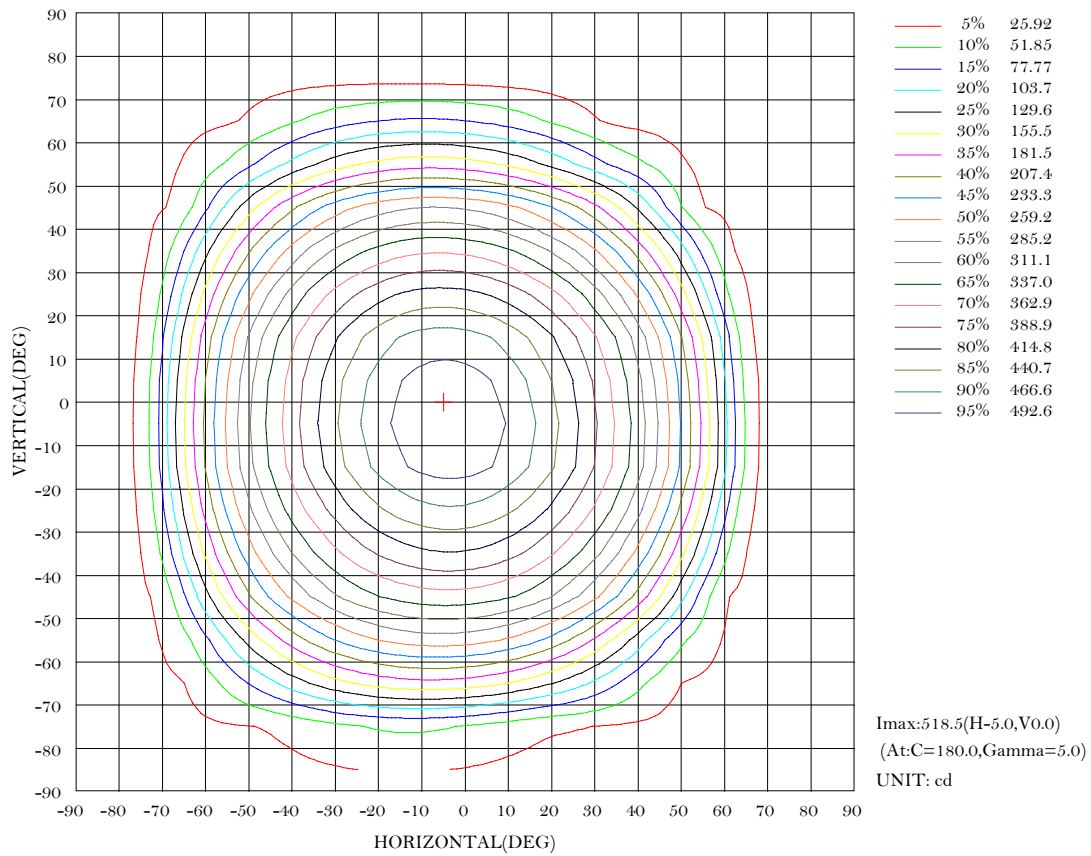
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	55	45	39	55	45	39	54	45	39	33
0.80	65	55	49	64	55	49	62	54	48	42
1.00	73	63	57	72	63	57	70	64	57	51
1.25	79	70	65	78	70	64	75	69	63	57
1.50	83	75	70	82	75	69	79	73	68	62
2.00	89	82	77	88	81	76	85	79	75	68
2.50	92	86	81	90	85	80	87	82	79	72
3.00	95	89	85	93	88	84	90	85	82	75
4.00	98	94	90	96	92	89	92	89	86	78
5.00	100	96	93	98	94	91	94	91	89	81
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: 30DEG  
 Operators: HCZ  
 Test Date: 2016-08-12

gRange: 0 - 90DEG  
 gInterval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.275  
 Humidity: 65.0%  
 Test Distance: 6.172m [K=1.0000]  
 Remarks:

### ISOCANDELA DIAGRAM

NAME: CONVEX - 61B711	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.: 1608121003
MFR.: AËON ILLUMINATION	SUR.:	PROTECTION ANGLE:

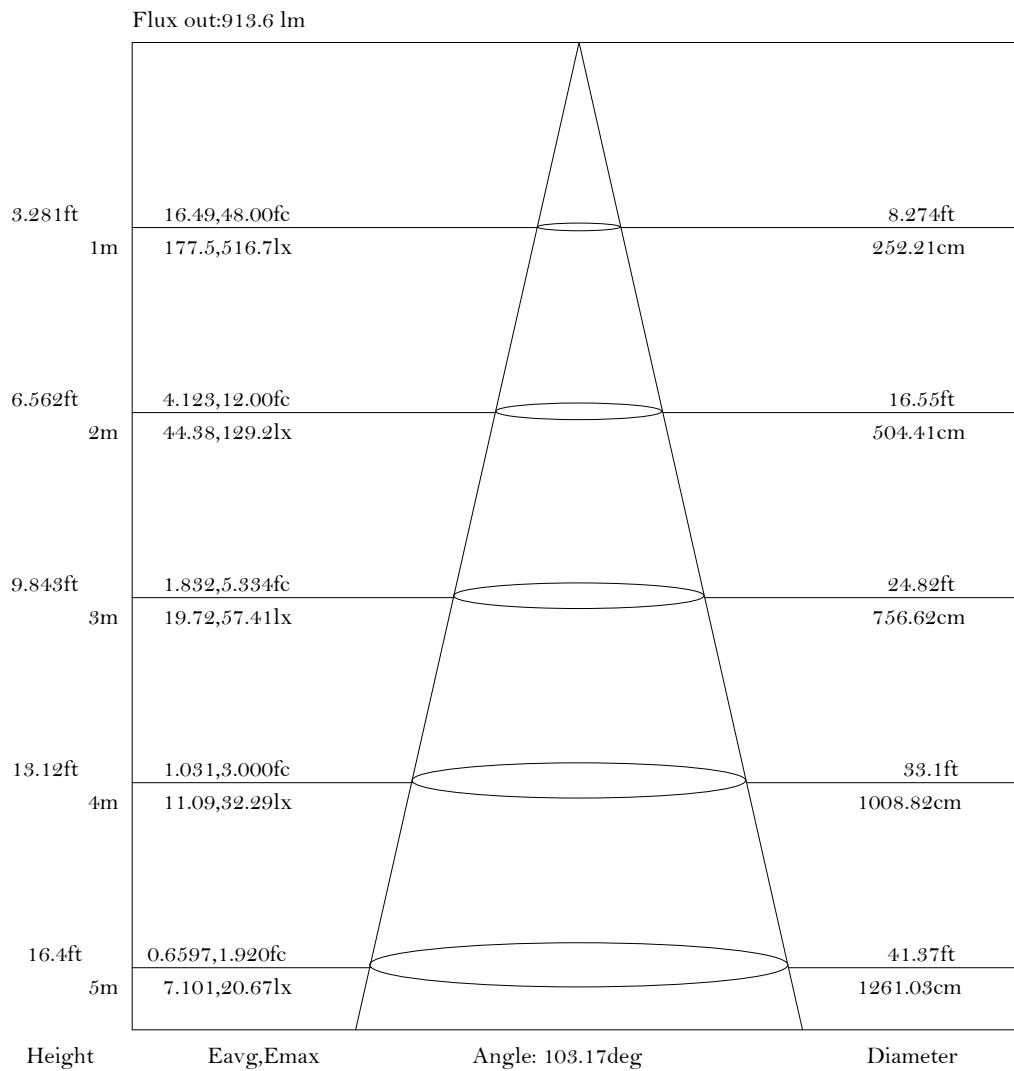


C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 30DEG  
Operators: HCZ  
Test Date: 2016-08-12

gRange: 0 - 90DEG  
gInterval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.275  
Humidity: 65.0%  
Test Distance: 6.172m [K=1.0000]  
Remarks:

### AAI Figure

NAME: CONVEX - 61B711	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.: 1608121003
MFR.: AËON ILLUMINATION	SUR.:	PROTECTION ANGLE:



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

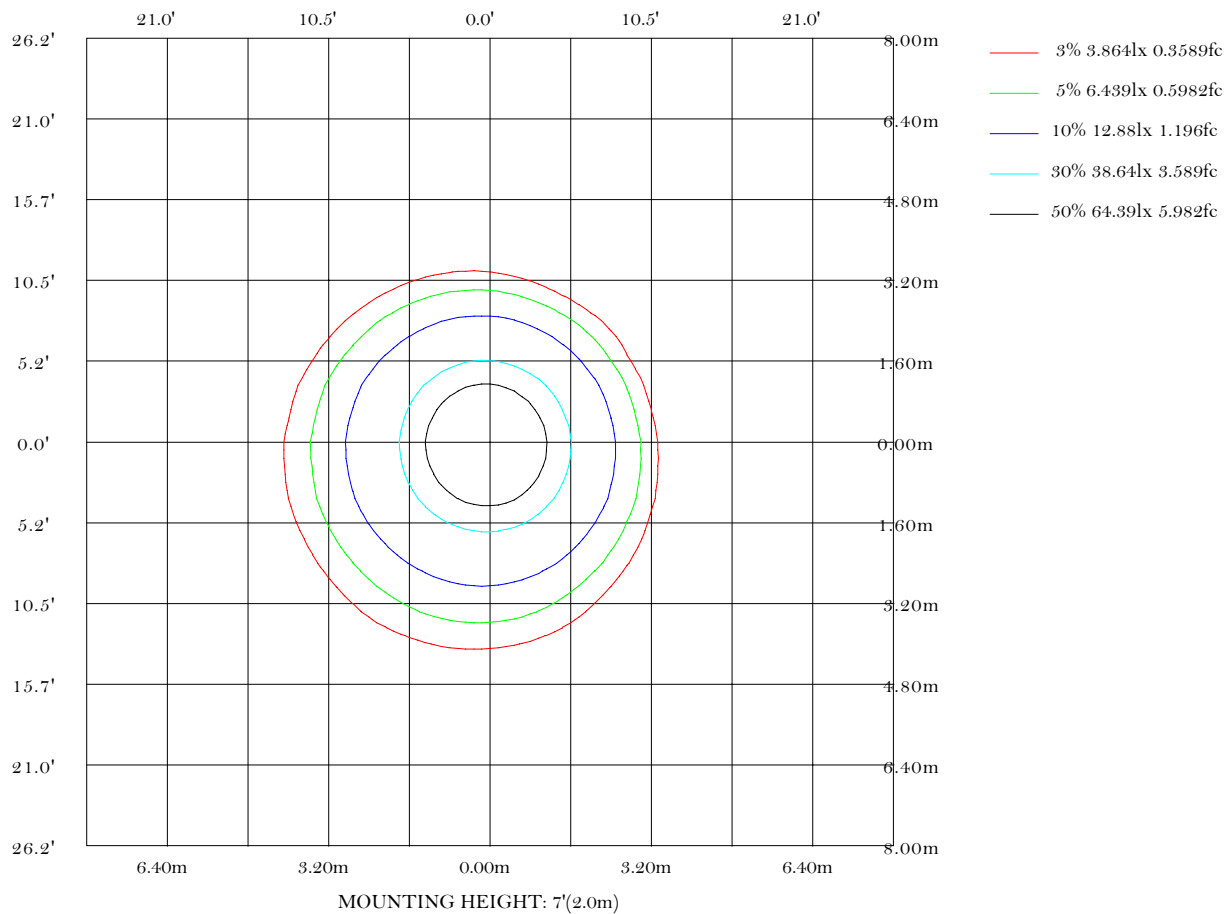
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 30DEG  
Operators: HCZ  
Test Date: 2016-08-12

gRange: 0 - 90DEG  
gInterval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.275  
Humidity: 65.0%  
Test Distance: 6.172m [K=1.0000]  
Remarks:



### ISOLUX DIAGRAM

NAME: CONVEX - 61B711	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.: 1608121003
MFR.: AËON ILLUMINATION	SUR.:	PROTECTION ANGLE:

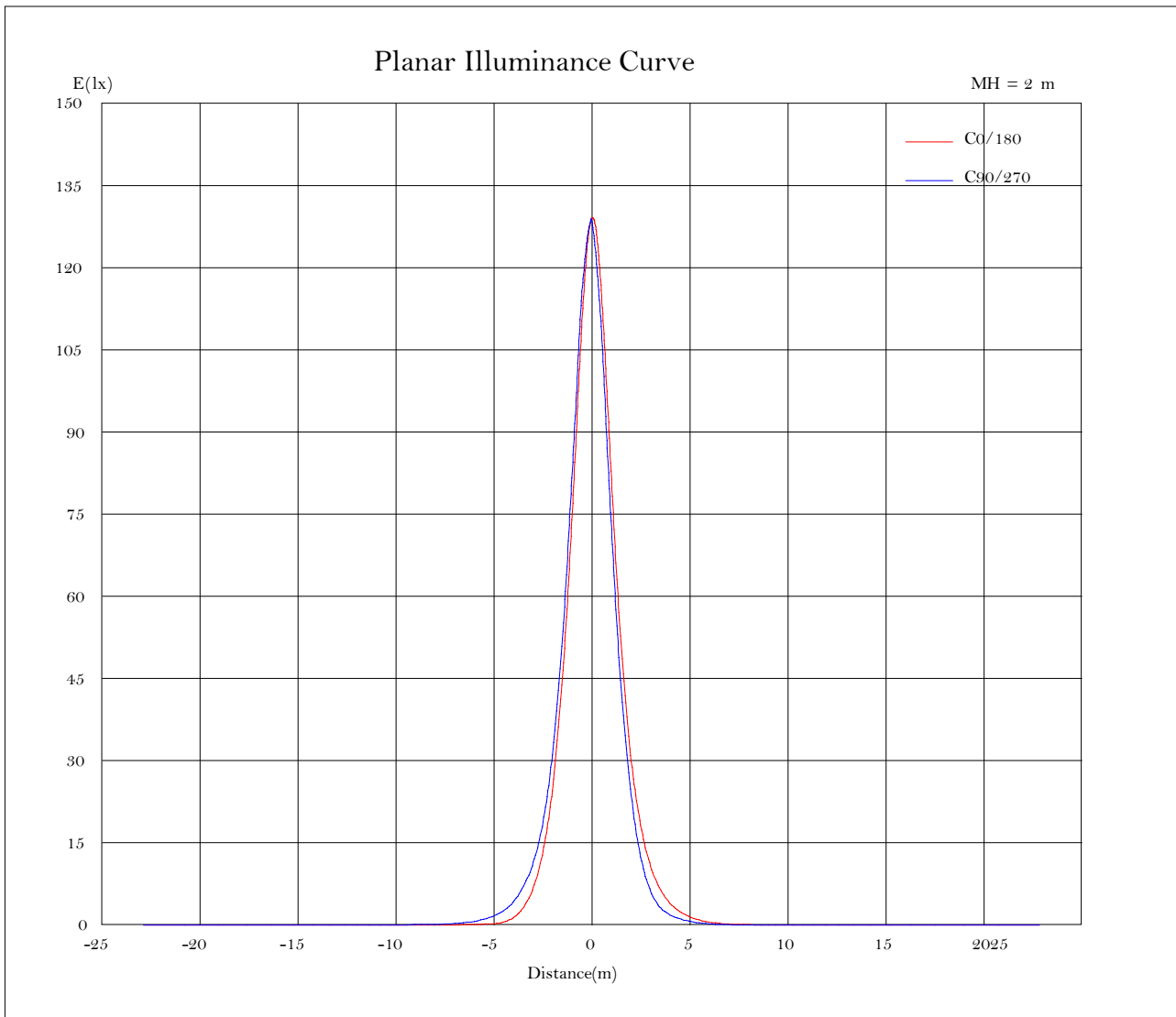


C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 30DEG  
 Operators: HCZ  
 Test Date: 2016-08-12

gRange: 0 - 90DEG  
 gInterval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.275  
 Humidity: 65.0%  
 Test Distance: 6.172m [K=1.0000]  
 Remarks:

### Planar Illuminance Curve

NAME: CONVEX - 61B711	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.: 1608121003
MFR.: AËON ILLUMINATION	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 30DEG  
 Operators: HCZ  
 Test Date: 2016-08-12

gRange: 0 - 90DEG  
 gInterval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.275  
 Humidity: 65.0%  
 Test Distance: 6.172m [K=1.0000]  
 Remarks:



### LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: CONVEX - 61B711	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.: 1608121003
MFR.: AÆON ILLUMINATION	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C(°) g(°)	C(°)																		
(°)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516
5	512	512	512	513	513	514	514	514	515	515	516	516	516	517	517	518	518	519	517
10	507	508	509	509	509	510	510	510	510	511	511	511	512	512	513	513	514	515	513
15	503	504	504	504	504	504	504	503	503	503	502	502	502	502	502	503	504	505	502
20	483	485	486	487	488	490	491	493	493	491	490	489	488	487	487	487	488	490	486
25	463	465	466	467	467	468	469	470	471	473	474	472	470	468	467	467	468	470	465
30	443	445	445	446	446	446	446	446	446	447	448	449	448	445	443	442	443	445	440
35	414	416	417	418	420	421	423	422	421	420	419	419	420	419	416	414	414	416	410
40	384	386	387	388	389	390	391	392	393	392	390	389	388	389	387	384	383	385	379
45	354	356	357	358	358	358	359	359	358	359	360	358	356	355	356	351	350	351	345
50	314	317	319	321	323	325	327	325	323	322	323	325	322	319	319	317	314	315	307
55	274	277	279	280	281	282	284	285	287	284	282	281	282	279	276	275	270	271	263
60	234	237	239	239	239	239	238	237	237	238	240	235	232	234	228	226	221	221	212
65	174	178	182	185	188	190	191	189	186	182	181	182	179	175	175	168	164	163	154
70	114	118	122	125	128	130	131	132	132	127	122	119	117	114	109	105	100	97.5	89.5
75	54.1	58.2	62.0	65.2	67.8	70.0	71.8	73.5	74.7	74.5	71.8	63.2	56.3	55.4	48.8	46.1	41.1	38.7	34.7
80	40.0	41.9	42.8	42.6	41.3	38.9	35.5	31.6	28.0	28.0	33.0	33.3	28.6	24.2	24.1	23.1	22.3	21.7	21.0
85	26.3	27.4	28.0	28.0	27.3	26.0	24.2	22.1	20.1	19.2	18.8	18.6	18.4	18.2	17.4	16.4	15.2	14.5	13.7
90	12.5	12.9	13.2	13.4	13.5	13.4	13.3	13.0	12.6	12.2	11.8	11.4	11.1	10.6	10.1	8.14	4.64	1.91	3.33

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 30DEG  
 Operators: HCZ  
 Test Date: 2016-08-12

gRange: 0 - 90DEG  
 gInterval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.275  
 Humidity: 65.0%  
 Test Distance: 6.172m [K=1.0000]  
 Remarks:

### LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: CONVEX - 61B711	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.: 1608121003
MFR.: AËON ILLUMINATION	SUR.:	PROTECTION ANGLE:

Table--3

UNIT: cd

C(DEG) g(DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516
5	516	515	514	513	512	511	510	509	508	507	506	505	505	504	503	503	502	502	501
10	511	509	507	505	503	502	500	499	498	496	495	494	493	492	491	490	489	488	487
15	499	497	494	492	491	489	488	487	485	484	483	482	481	479	478	477	476	474	472
20	483	480	477	476	474	473	472	472	470	466	463	460	457	454	452	450	448	446	445
25	461	458	456	455	454	454	450	446	442	439	436	433	430	428	425	423	420	418	416
30	436	433	432	431	429	424	421	417	414	412	409	406	403	401	398	395	393	390	388
35	407	405	404	402	397	393	390	388	385	383	379	374	370	366	362	359	356	353	350
40	375	374	373	368	364	362	360	356	350	345	340	336	333	329	325	322	318	315	312
45	342	342	335	331	329	329	321	314	309	305	301	298	295	292	288	285	281	278	274
50	304	301	295	292	289	281	275	270	267	264	258	251	244	238	233	228	223	220	216
55	261	254	250	246	237	231	227	224	215	206	199	192	186	181	175	170	165	161	157
60	208	201	199	188	182	178	169	160	153	146	139	133	128	123	118	113	108	103	98.0
65	147	144	134	127	123	115	106	97.6	90.6	86.5	88.1	88.4	87.4	85.5	83.1	80.2	76.9	72.9	68.3
70	83.2	78.3	70.5	70.3	64.3	54.3	47.1	52.5	56.0	57.6	57.5	56.5	54.8	52.7	50.4	48.3	46.1	43.9	41.5
75	33.3	29.3	32.8	30.8	24.5	26.7	29.7	31.5	31.6	30.3	28.0	25.2	22.4	19.8	17.7	16.2	15.3	15.0	15.1
80	20.4	19.6	18.9	17.9	17.1	16.7	15.8	14.8	14.0	13.4	12.9	12.4	11.9	11.5	11.0	10.6	10.2	9.85	9.44
85	12.9	12.0	11.2	10.3	9.33	8.40	7.84	7.41	7.05	6.74	6.46	6.21	5.98	5.76	5.55	5.35	5.15	4.96	4.75
90	4.00	3.65	2.78	1.90	1.03	0.18	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.06	0.07	0.07

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 30DEG  
 Operators: HCZ  
 Test Date: 2016-08-12

gRange: 0 - 90DEG  
 gInterval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.275  
 Humidity: 65.0%  
 Test Distance: 6.172m [K=1.0000]  
 Remarks:

### LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: CONVEX - 61B711	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.: 1608121003
MFR.: AËON ILLUMINATION	SUR.:	PROTECTION ANGLE:

Table--4

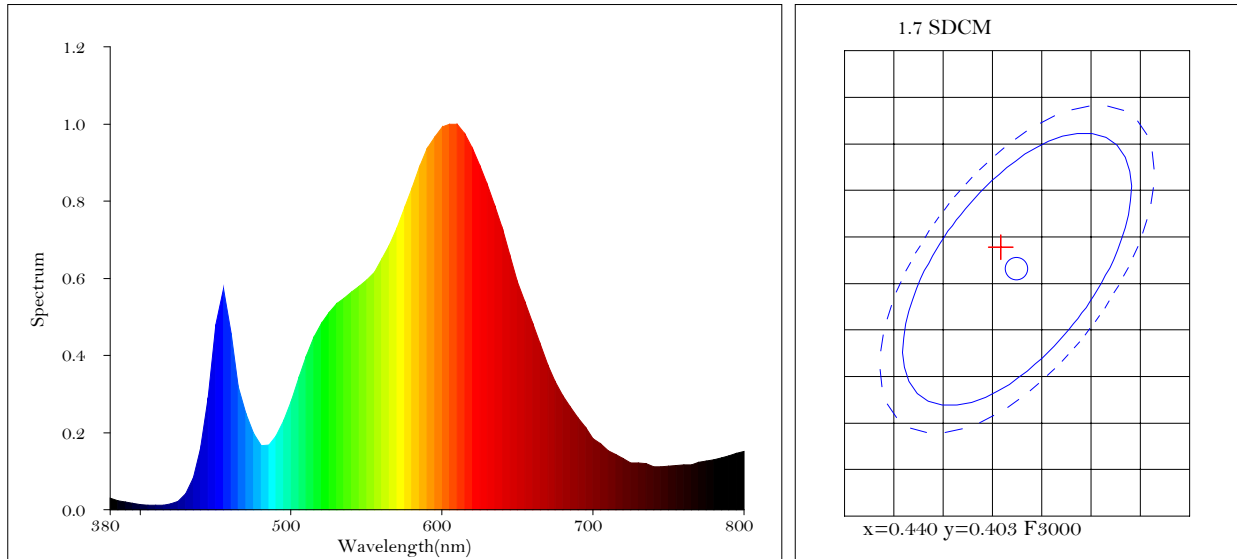
UNIT: cd

C(DEC) (DEC)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516				
5	501	501	501	500	500	501	501	501	501	502	502	503	504	505	506				
10	486	485	485	484	484	483	483	483	484	484	485	486	487	489	491				
15	471	469	468	467	465	464	463	463	463	463	463	464	466	468	471				
20	443	442	442	441	441	442	442	440	439	439	439	439	441	443	446				
25	414	413	411	410	410	410	411	412	414	412	411	411	412	414	418				
30	385	383	381	380	378	378	377	378	379	381	382	381	382	383	387				
35	348	347	346	346	347	345	344	343	343	344	348	350	349	350	353				
40	309	307	305	303	304	305	307	306	304	305	307	312	313	313	316				
45	270	266	262	260	258	257	257	259	262	261	261	264	270	269	272				
50	214	212	211	212	211	207	205	204	206	211	210	211	217	219	221				
55	154	151	149	149	150	151	151	148	146	148	153	153	156	163	163				
60	93.8	90.2	87.7	86.9	88.1	90.9	93.9	92.8	85.4	85.2	88.2	90.7	91.4	97.6	98.8				
65	62.8	56.3	48.5	40.0	31.9	36.3	45.6	49.6	46.3	36.7	36.8	40.9	35.7	39.8	40.2				
70	38.7	35.3	31.0	26.1	21.4	19.1	19.2	19.4	22.6	20.4	19.7	20.4	20.2	20.5	21.1				
75	15.4	15.5	15.2	14.2	12.8	12.2	12.1	12.4	12.8	13.0	13.3	13.9	14.0	14.5					
80	9.03	8.60	8.13	7.62	7.06	6.42	5.66	4.93	4.96	5.16	5.51	6.14	6.28	6.91	7.15				
85	4.54	4.32	4.08	3.82	3.54	3.20	2.80	2.31	1.71	0.98	0.11	0.04	0.77	0.10	0.06				
90	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08				

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 30DEG  
 Operators: HCZ  
 Test Date: 2016-08-12

gRange: 0 - 90DEG  
 gInterval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.275  
 Humidity: 65.0%  
 Test Distance: 6.172m [K=1.0000]  
 Remarks:

### Light Source Test Report



#### Color Parameters:

Chromaticity Coordinate:  $x=0.4386(dx=0.0002)$   $y=0.4049(dy=0.0003)$

Chromaticity Coordinate:  $u'=0.2513$   $v'=0.5220(duv=1.15e-04)$

Tc=2979K Dominant WL:Ld=582.9nm Purity=53.2% Centroid WL:595.0nm

Ratio: R=25.2% G=72.6% B=2.2% Peak WL:Lp=610.0nm HWL:135.4nm

Render Index: Ra=84.6

R1 =84 R2 =92 R3 =97 R4 =83 R5 =83 R6 =90 R7 =84

R8 =62 R9 =14 R10=81 R11=84 R12=69 R13=86 R14=99 R15=76

#### Photo Parameters:

Flux: 1087.3 lm Fe: 3.5396 W Efficacy:73.07 lm/W

WHITE:ANSI\_3000K

#### Electrical Parameters:

Lamp : U=220.4V I=0.1436A P=14.88W PF=0.4701

Instrument Status:

Scan Range:380.0nm-800.0nm

Interval:5.0nm[0]

Ip=22683(G=5,D=50)

REF=37080(R=3)

%=-0.051%

PMT: 18.0 centigrade [18.4]