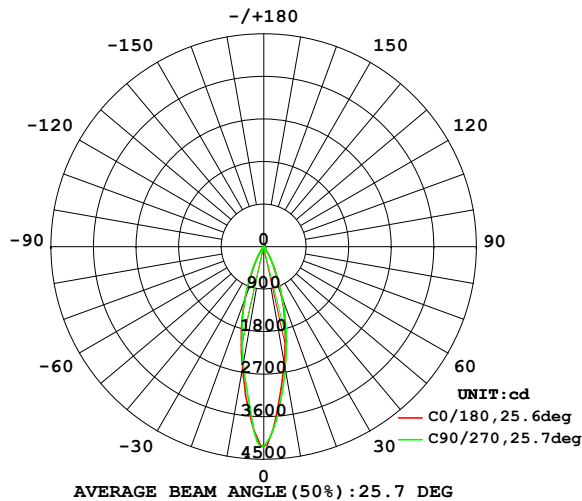


## LUMINAIRE PHOTOMETRIC TEST REPORT

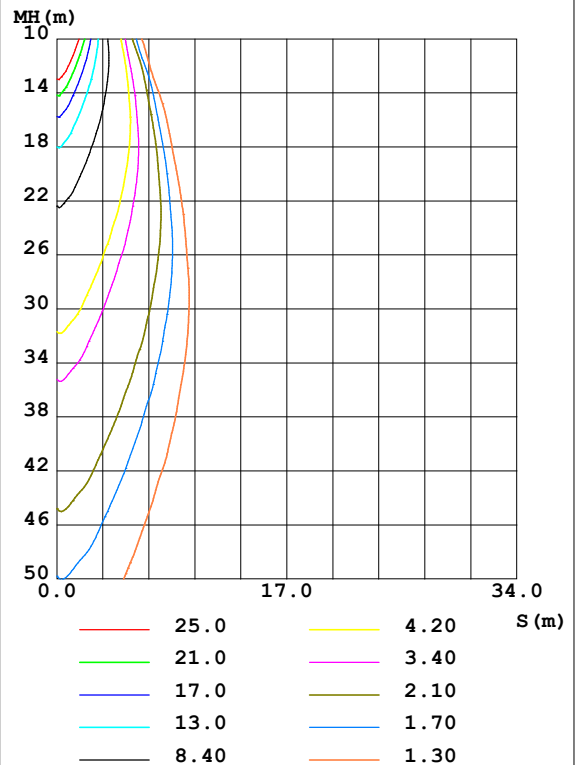
Test:U:120.3V I:0.1171A P:12.67W PF:0.8996 Lamp Flux:1176.72x1 lm		
NAME: 15ADL/25°lens 120-277V	TYPE:LED	WEIGHT:
SPEC.:15ADL/25°lens 120-277V	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 92.86 lm/W			
MODEL		I <sub>max</sub> (cd)	4228	S/MH (C0/180)	0.43
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH (C90/270)	0.42
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	1176.7	η UP,DN(C0-180)	0.0,49.4
NOMINAL FLUX(lm)	1176.72	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.5
LAMPS INSIDE	1	η up (%)	0.1	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	120	η down (%)	99.9	CIBSE SHR MAX	0.50

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-01-29

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:10.830m [K=1.0000]  
Remarks: 2700K, 25°lens  
1#反射器, ADR6CC 98046

### ZONAL FLUX DIAGRAM

#### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C90	C180	C270					$\gamma$	$\Phi$ zone	$\Phi$ total	%lum
10	2479	2606	2594	2521					0- 10	302.2	302.2	25.7
20	1102	1142	1149	1164					10- 20	494.7	796.9	67.7
30	279.1	290.1	308.5	290.5					20- 30	288.6	1085	92.2
40	38.09	39.85	38.24	40.66					30- 40	70.40	1156	98.2
50	5.358	5.392	5.249	6.084					40- 50	15.94	1172	99.6
60	1.591	1.640	1.556	1.848					50- 60	2.807	1175	99.8
70	0.5111	0.5358	0.4905	0.6258					60- 70	0.9887	1176	99.9
80	0.0579	0.0317	0.0254	0.0968					70- 80	0.2942	1176	99.9
90	0	0	0	0					80- 90	0.0051	1176	99.9
100	0	0	0	0					90-100	0	1176	99.9
110	0	0	0	0					100-110	0	1176	99.9
120	0	0	0	0					110-120	0	1176	99.9
130	0	0	0	0					120-130	0	1176	99.9
140	0.1914	0.2177	0.2048	0.1978					130-140	0.0512	1176	99.9
150	0.4975	0.5170	0.4915	0.4722					140-150	0.2193	1176	100
160	0.6764	0.6893	0.6510	0.6317					150-160	0.2726	1176	100
170	0.6765	0.6510	0.6318	0.6446					160-170	0.1891	1177	100
180	0.6318	0.6382	0.6318	0.6318					170-180	0.0611	1177	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

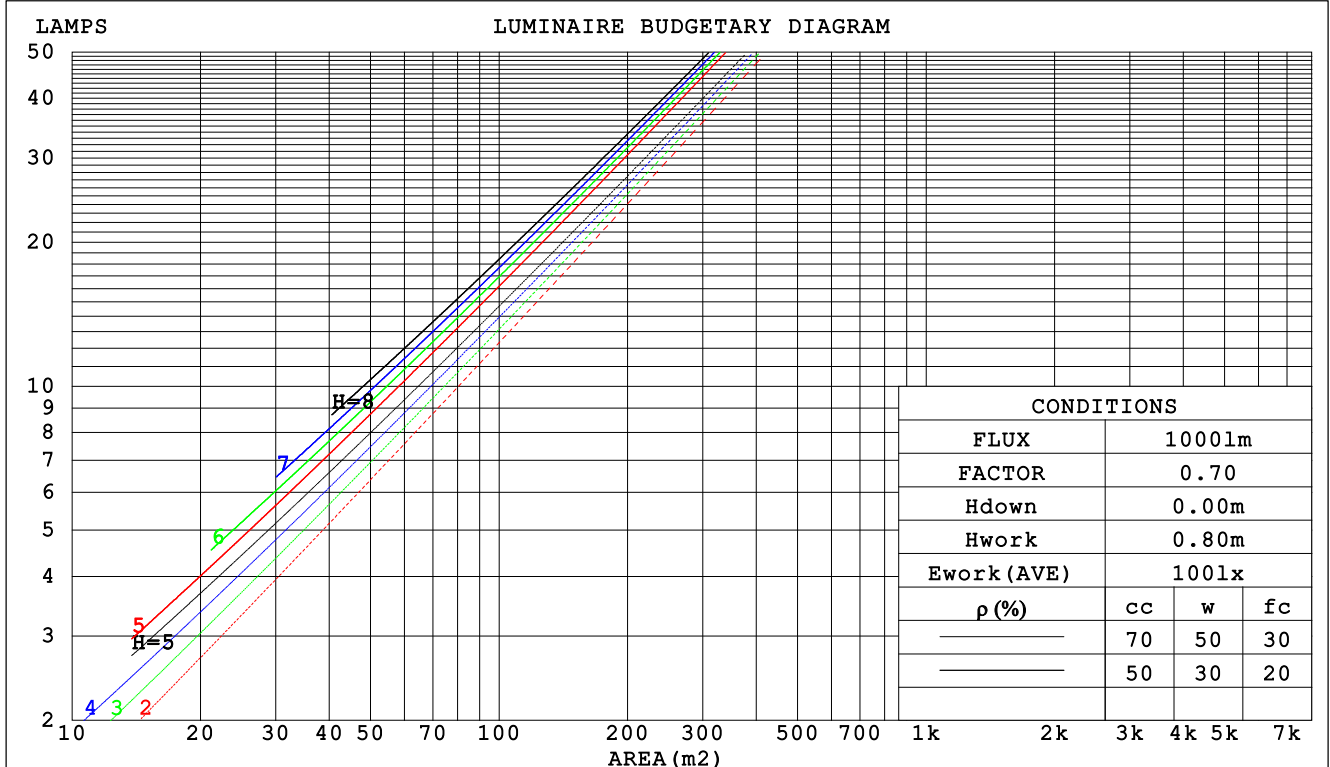
C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-01-29

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:10.830m [K=1.0000]  
Remarks: 2700K, 25°lens  
1#反射器, ADR6CC 98046

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.3V I:0.1171A P:12.67W PF:0.8996 Lamp Flux:1176.72x1 lm		
NAME: 15ADL/25°lens 120-277V	TYPE:LED	WEIGHT:
SPEC.:15ADL/25°lens 120-277V	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	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															



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-01-29

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:10.830m [K=1.0000]  
Remarks: 2700K, 25°lens  
1#反射器, ADR6CC 98046

## WEC AND CCEC

Test:U:120.3V I:0.1171A P:12.67W PF:0.8996 Lamp Flux:1176.72x1 lm		
NAME: 15ADL/25°lens 120-277V	TYPE:LED	WEIGHT:
SPEC.:15ADL/25°lens 120-277V	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.147	.084	.027	.141	.080	.025	.128	.073	.023	.117	.067	.022	.106	.061	.020		
2.0	.138	.076	.023	.132	.073	.022	.122	.068	.021	.112	.063	.020	.104	.059	.018		
3.0	.130	.069	.021	.125	.067	.020	.116	.063	.019	.108	.059	.018	.101	.056	.017		
4.0	.122	.064	.019	.118	.062	.018	.111	.059	.018	.104	.056	.017	.098	.053	.016		
5.0	.116	.059	.017	.112	.058	.017	.106	.055	.016	.100	.053	.016	.095	.051	.015		
6.0	.110	.055	.016	.107	.054	.016	.102	.052	.015	.097	.050	.015	.092	.048	.014		
7.0	.105	.052	.015	.102	.051	.015	.098	.049	.014	.093	.048	.014	.089	.046	.014		
8.0	.100	.049	.014	.098	.048	.014	.094	.047	.013	.090	.046	.013	.086	.044	.013		
9.0	.096	.047	.013	.094	.046	.013	.090	.045	.013	.087	.044	.012	.084	.042	.012		
10.0	.092	.044	.012	.091	.044	.012	.087	.043	.012	.084	.042	.012	.081	.041	.012		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.191	.191	.191	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.170	.158	.148	.145	.136	.127	.099	.093	.088	.057	.054	.051	.018	.017	.017	
2.0	.152	.133	.117	.130	.115	.101	.089	.079	.071	.052	.046	.041	.017	.015	.013	
3.0	.138	.114	.095	.118	.098	.082	.081	.068	.058	.047	.040	.034	.015	.013	.011	
4.0	.126	.099	.078	.108	.085	.068	.074	.059	.048	.043	.035	.028	.014	.011	.009	
5.0	.116	.087	.065	.100	.075	.056	.069	.052	.040	.040	.031	.024	.013	.010	.008	
6.0	.108	.077	.055	.093	.066	.048	.064	.047	.034	.037	.027	.020	.012	.009	.007	
7.0	.101	.069	.047	.086	.060	.041	.060	.042	.029	.035	.025	.017	.011	.008	.006	
8.0	.094	.062	.040	.081	.054	.035	.056	.038	.025	.033	.022	.015	.011	.007	.005	
9.0	.089	.057	.035	.077	.049	.030	.053	.035	.022	.031	.020	.013	.010	.007	.004	
10.0	.084	.052	.031	.073	.045	.027	.050	.032	.019	.029	.019	.011	.010	.006	.004	

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-01-29

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:10.830m [K=1.0000]  
Remarks: 2700K, 25°lens  
1#反射器, ADR6CC 98046

## UGR(Unified Glare Rating) Table

Test:U:120.3V I:0.1171A P:12.67W PF:0.8996 Lamp Flux:1176.72x1 lm										
NAME: 15ADL/25°lens 120-277V					TYPE:LED			WEIGHT:		
SPEC.:15ADL/25°lens 120-277V					DIM.:			SERIAL No.:01		
MFR.: GREEN CREATIVE					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	-3.2	-2.4	-2.9	-2.3	-2.1	-4.1	-3.4	-3.9	-3.2	-3.1
3H	-3.3	-2.6	-3.1	-2.4	-2.2	-4.2	-3.6	-4.0	-3.4	-3.2
4H	-3.4	-2.7	-3.1	-2.5	-2.3	-4.3	-3.7	-4.0	-3.5	-3.2
6H	-3.5	-2.9	-3.2	-2.6	-2.4	-4.4	-3.8	-4.1	-3.6	-3.3
8H	-3.5	-2.9	-3.2	-2.7	-2.4	-4.4	-3.9	-4.1	-3.6	-3.4
12H	-3.6	-3.0	-3.2	-2.7	-2.5	-4.5	-3.9	-4.2	-3.7	-3.4
4H 2H	-3.4	-2.7	-3.1	-2.5	-2.3	-4.3	-3.7	-4.1	-3.5	-3.2
3H	-3.5	-3.0	-3.2	-2.7	-2.5	-4.5	-3.9	-4.2	-3.7	-3.4
4H	-3.6	-3.1	-3.3	-2.8	-2.5	-4.6	-4.1	-4.2	-3.8	-3.5
6H	-3.7	-3.3	-3.4	-3.0	-2.6	-4.7	-4.2	-4.3	-3.9	-3.5
8H	-3.8	-3.4	-3.4	-3.0	-2.7	-4.7	-4.3	-4.3	-4.0	-3.6
12H	-3.8	-3.5	-3.4	-3.1	-2.7	-4.8	-4.4	-4.4	-4.0	-3.6
8H 4H	-3.8	-3.4	-3.4	-3.0	-2.7	-4.7	-4.3	-4.3	-3.9	-3.6
6H	-3.9	-3.6	-3.5	-3.2	-2.8	-4.8	-4.5	-4.4	-4.1	-3.7
8H	-4.0	-3.7	-3.5	-3.2	-2.8	-4.9	-4.6	-4.4	-4.2	-3.7
12H	-4.0	-3.8	-3.6	-3.3	-2.8	-4.9	-4.7	-4.5	-4.2	-3.8
12H 4H	-3.8	-3.5	-3.4	-3.1	-2.7	-4.8	-4.4	-4.4	-4.0	-3.6
6H	-4.0	-3.7	-3.5	-3.2	-2.8	-4.9	-4.6	-4.4	-4.2	-3.7
8H	-4.0	-3.8	-3.6	-3.3	-2.8	-4.9	-4.7	-4.5	-4.2	-3.8
Variations with the observer position at spacings:										
S = 1.0H	+ 2.8 / -10.7					+ 2.7 / -10.5				
1.5H	+ 4.8 / - 8.9					+ 4.6 / - 8.9				
2.0H	+ 7.2 / - 6.9					+ 7.3 / - 6.9				

CIE Pub.117 Corrected 1177 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.6)

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-01-29

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:10.830m [K=1.0000]  
Remarks: 2700K, 25°lens  
1#反射器, ADR6CC 98046

### UTILIZATION FACTORS TABLE

Test:U:120.3V I:0.1171A P:12.67W PF:0.8996 Lamp Flux:1176.72x1 lm		
NAME: 15ADL/25°lens 120-277V	TYPE:LED	WEIGHT:
SPEC.:15ADL/25°lens 120-277V	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	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) $k(RI) \times RCR = 5$									
$k = 0.60$	90	85	81	90	85	81	89	84	81	78
0.80	97	92	89	97	92	89	96	91	88	85
1.00	101	96	93	101	96	93	99	96	92	89
1.25	105	100	97	104	100	97	102	99	96	92
1.50	107	103	100	106	102	100	104	101	99	94
2.00	110	106	103	108	105	102	106	103	101	96
2.50	111	108	105	110	106	104	107	104	102	96
3.00	113	109	107	111	108	106	107	105	104	97
4.00	114	112	110	112	110	109	109	107	106	99
5.00	116	114	112	113	112	110	110	108	107	100
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNM = 1.25		

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-01-29

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:10.830m [K=1.0000]  
Remarks: 2700K, 25°lens  
1#反射器, ADR6CC 98046

## ISOCANDELA DIAGRAM

Test:U:120.3V I:0.1171A P:12.67W PF:0.8996 Lamp Flux:1176.72x1 lm		
NAME: 15ADL/25°lens 120-277V	TYPE:LED	WEIGHT:
SPEC.:15ADL/25°lens 120-277V	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

1167.3 lm

%lum = 99.2%

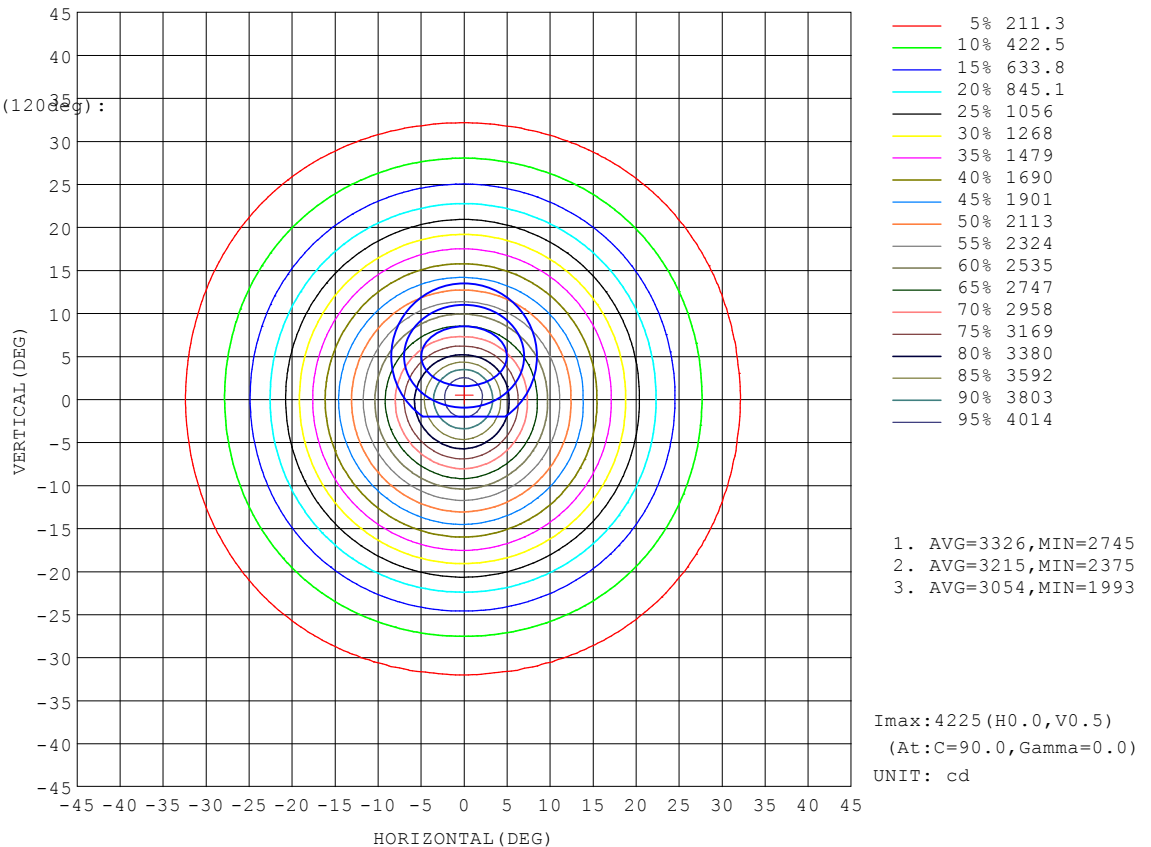
%lamp = 99.2%

Conical surface Flux(120deg):

1174.6 lm

%lum = 99.8%

%lamp = 99.8%

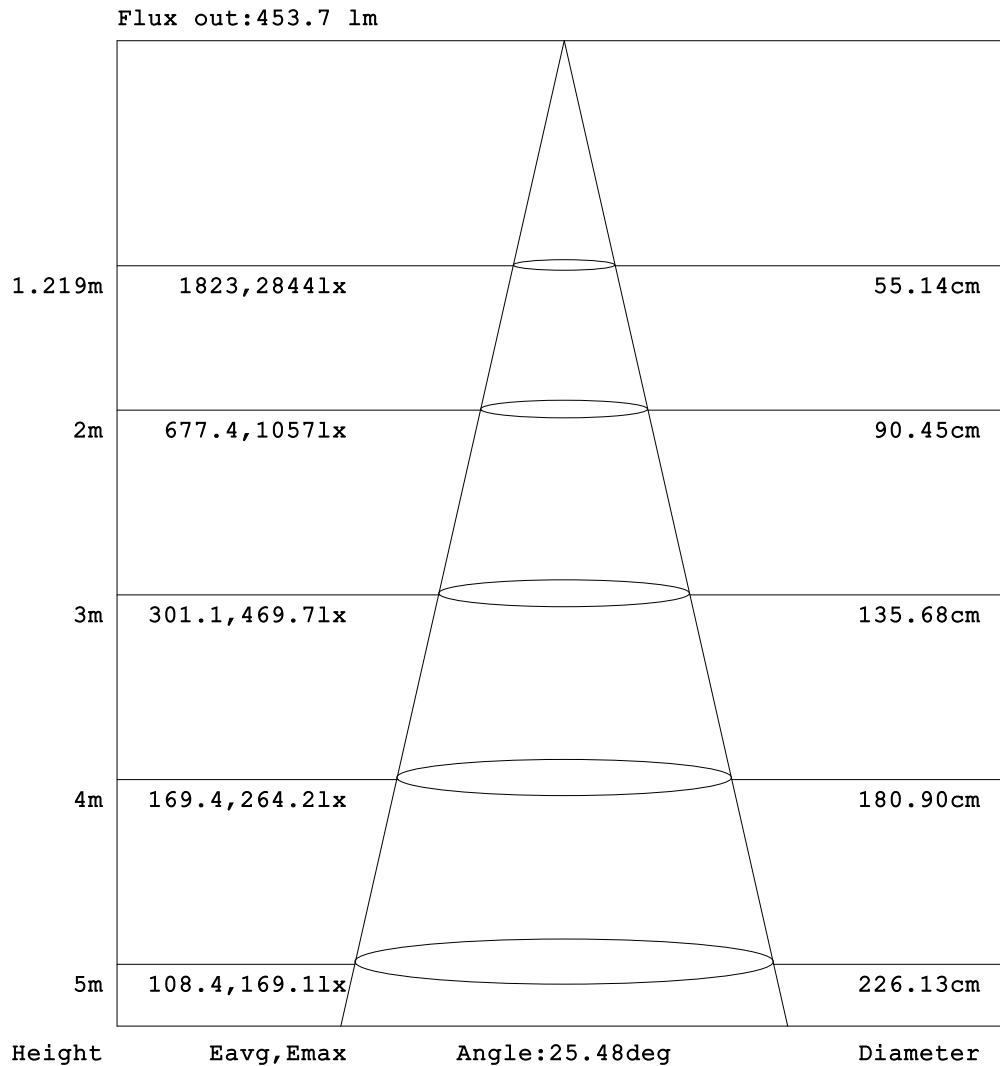


C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-01-29

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:10.830m [K=1.0000]  
Remarks: 2700K, 25°lens  
1#反射器, ADR6CC 98046

### AAI Figure

Test:U:120.3V I:0.1171A P:12.67W PF:0.8996 Lamp Flux:1176.72x1 lm		
NAME: 15ADL/25°lens 120-277V	TYPE:LED	WEIGHT:
SPEC.:15ADL/25°lens 120-277V	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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

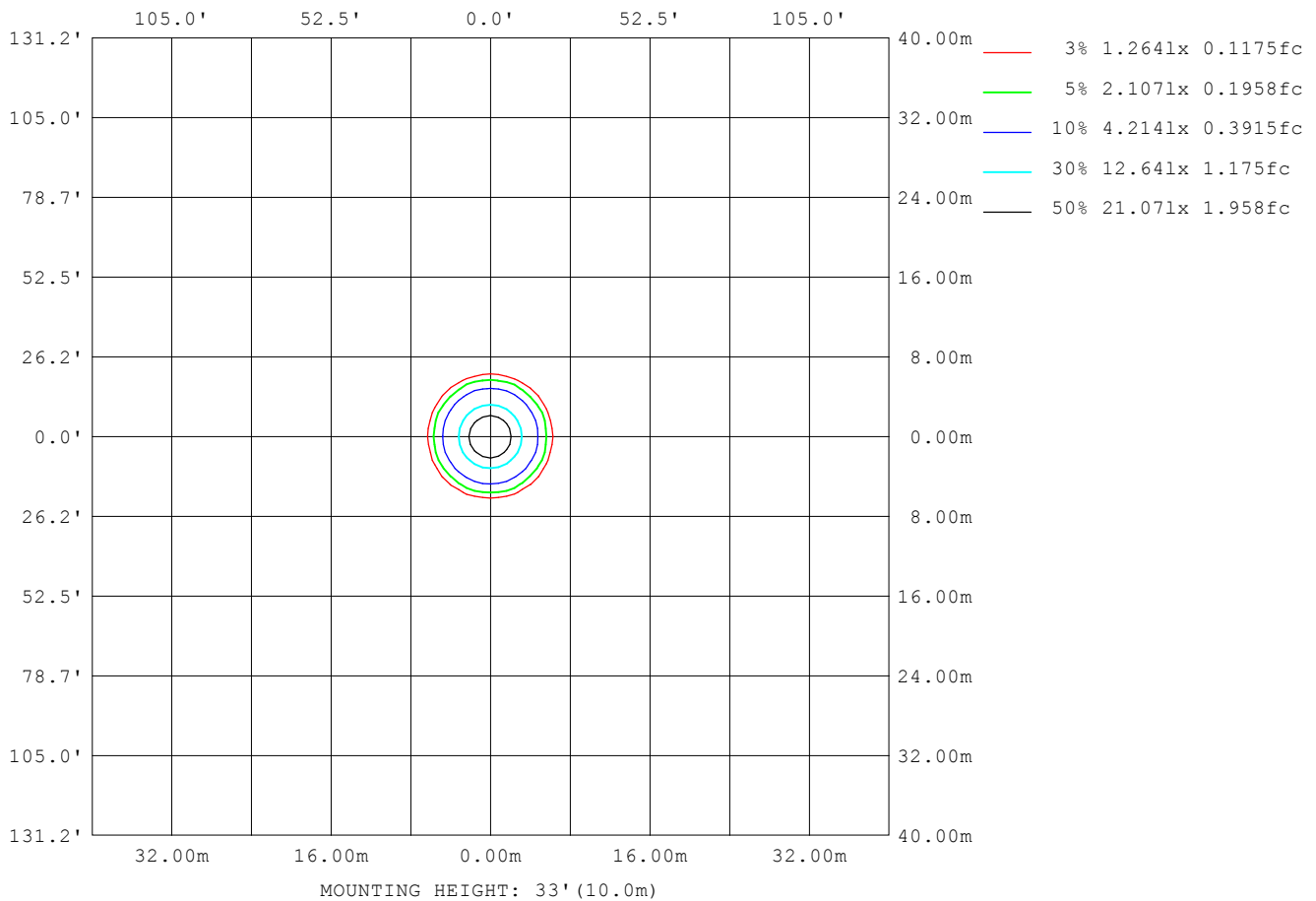
C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-01-29

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:10.830m [K=1.0000]  
Remarks: 2700K, 25°lens  
1#反射器, ADR6CC 98046



## ISOLUX DIAGRAM

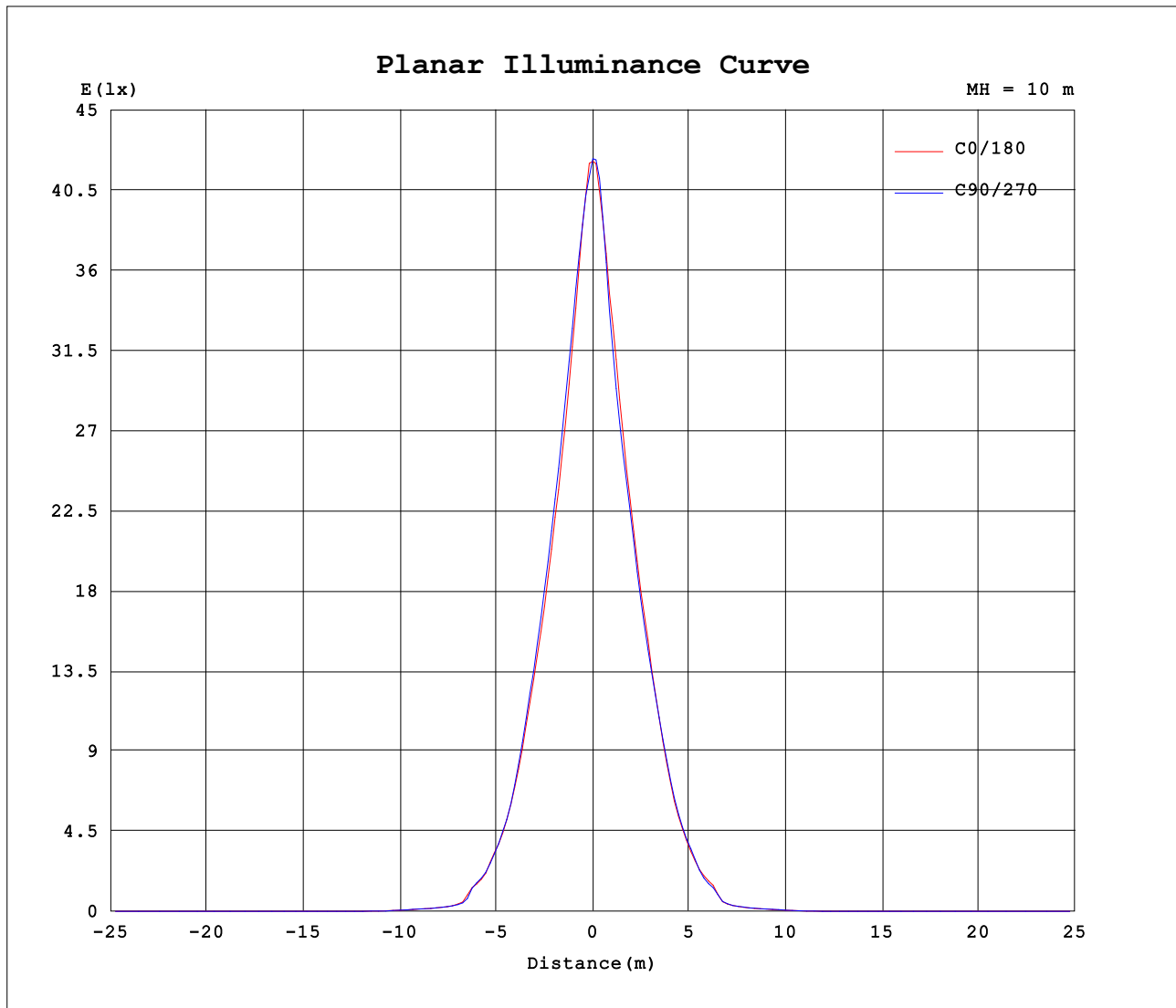
Test:U:120.3V I:0.1171A P:12.67W PF:0.8996 Lamp Flux:1176.72x1 lm		
NAME: 15ADL/25°lens 120-277V	TYPE:LED	WEIGHT:
SPEC.:15ADL/25°lens 120-277V	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-01-29

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:10.830m [K=1.0000]  
Remarks: 2700K, 25°lens  
1#反射器, ADR6CC 98046

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Aaron  
Test Date: 2018-01-29

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity: 65.0%  
Test Distance: 10.830m [K=1.0000]  
Remarks: 2700K, 25° lens  
1# 反射器, ADR6CC 98046

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.3V I:0.1171A P:12.67W PF:0.8996 Lamp Flux:1176.72x1 lm		
NAME: 15ADL/25°lens 120-277V	TYPE:LED	WEIGHT:
SPEC.:15ADL/25°lens 120-277V	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	90	180	270															
0	4214	4228	4214	4228															
5	3428	3539	3511	3414															
10	2479	2606	2594	2521															
15	1748	1836	1851	1789															
20	1102	1142	1149	1164															
25	592	605	624	635															
30	279	290	309	291															
35	74.8	69.8	76.7	79.6															
40	38.1	39.9	38.2	40.7															
45	20.2	20.9	20.8	22.3															
50	5.36	5.39	5.25	6.08															
55	2.85	2.93	2.79	3.26															
60	1.59	1.64	1.56	1.85															
65	0.90	0.94	0.88	1.09															
70	0.51	0.54	0.49	0.63															
75	0.26	0.27	0.23	0.34															
80	0.06	0.03	0.03	0.10															
85	0.00	0.00	0.00	0.00															
90	0.00	0.00	0.00	0.00															
95	0.00	0.00	0.00	0.00															
100	0.00	0.00	0.00	0.00															
105	0.00	0.00	0.00	0.00															
110	0.00	0.00	0.00	0.00															
115	0.00	0.00	0.00	0.00															
120	0.00	0.00	0.00	0.00															
125	0.00	0.00	0.00	0.00															
130	0.00	0.00	0.00	0.00															
135	0.04	0.08	0.06	0.03															
140	0.19	0.22	0.20	0.20															
145	0.36	0.38	0.36	0.33															
150	0.50	0.52	0.49	0.47															
155	0.61	0.62	0.60	0.57															
160	0.68	0.69	0.65	0.63															
165	0.70	0.70	0.65	0.64															
170	0.68	0.65	0.63	0.64															
175	0.64	0.64	0.63	0.63															
180	0.63	0.64	0.63	0.63															

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-01-29

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:10.830m [K=1.0000]  
Remarks: 2700K, 25°lens  
1#反射器, ADR6CC 98046