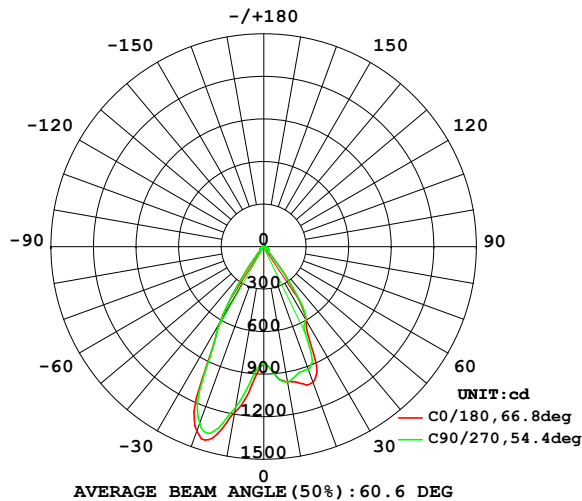


## LUMINAIRE PHOTOMETRIC TEST REPORT

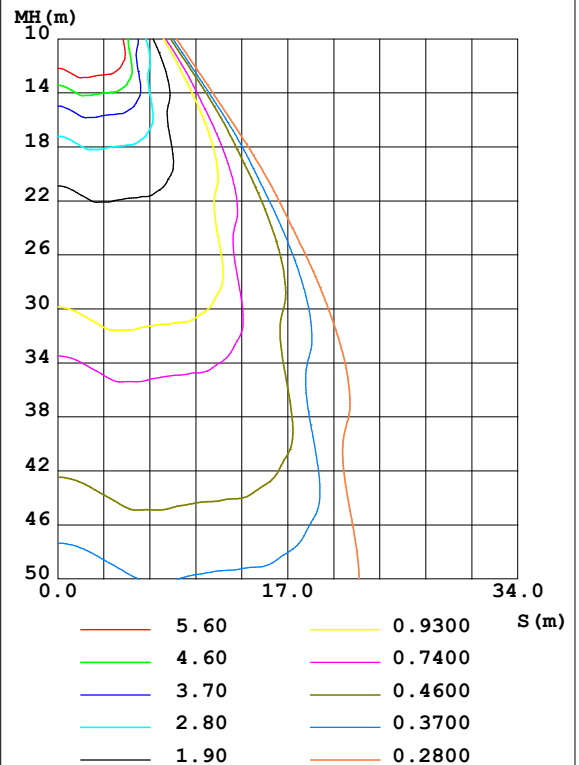
Test:U:120.5V I:0.1194A P:12.50W PF:0.8688 Lamp Flux:1127.65x1 lm		
NAME: ADL 12.5W ADR4WH 60°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR4WH 60°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 90.22 lm/W			
MODEL		I <sub>max</sub> (cd)	1426	S/MH (C0/180)	0.94
NOMINAL POWER (W)	12.5	LOR (%)	100.0	S/MH (C90/270)	0.94
RATED VOLTAGE (V)	120-277	TOTAL FLUX (lm)	1127.6	η UP, DN (C0-180)	0.0, 47.3
NOMINAL FLUX (lm)	1127.65	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 52.6
LAMPS INSIDE	1	η up (%)	0.1	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	120	η down (%)	99.9	CIBSE SHR MAX	0.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Aaron  
Test Date: 2018-05-29

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: 3500K  
TP



### ZONAL FLUX DIAGRAM

#### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum
10	968.9	910.5	968.1	1122	1188	1179	1150	1088	0- 10	93.72	93.72	8.31
20	1017	787.6	925.3	1245	1383	1353	1322	1260	10- 20	328.7	422.4	37.5
30	602.4	587.6	593.2	598.6	625.7	628.3	622.4	599.3	20- 30	404.8	827.2	73.4
40	94.02	88.46	85.09	76.29	70.30	57.94	66.69	81.35	30- 40	196.8	1024	90.8
50	36.80	37.06	36.22	34.78	33.46	32.83	33.51	35.18	40- 50	33.37	1057	93.8
60	29.03	29.33	28.49	26.96	25.47	24.81	25.55	27.35	50- 60	27.88	1085	96.2
70	20.29	20.50	19.78	18.52	17.07	16.32	16.94	18.67	60- 70	22.64	1108	98.3
80	10.33	10.45	10.02	9.277	8.179	7.457	7.845	9.131	70- 80	14.67	1123	99.6
90	0.0060	0	0.0028	0	0	0	0	0.0001	80- 90	4.469	1127	99.9
100	0	0	0	0	0	0	0	0	90-100	0.0000	1127	99.9
110	0	0	0	0	0	0	0	0	100-110	0	1127	99.9
120	0	0	0	0	0	0	0	0	110-120	0	1127	99.9
130	0	0.0256	0	0.0001	0.0193	0	0.0064	0	120-130	0.0004	1127	99.9
140	0.1339	0.1917	0.1463	0.1469	0.1788	0.1274	0.1662	0.1657	130-140	0.0586	1127	100
150	0.2872	0.3510	0.3063	0.3001	0.3449	0.2872	0.3384	0.3127	140-150	0.1489	1127	100
160	0.4019	0.4149	0.3957	0.3958	0.4851	0.4339	0.4789	0.4085	150-160	0.1722	1127	100
170	0.4909	0.5047	0.4912	0.5172	0.5744	0.5425	0.5746	0.5168	160-170	0.1326	1128	100
180	0.6063	0.6063	0.5999	0.6063	0.5999	0.6063	0.6063	0.6063	170-180	0.0534	1128	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-29

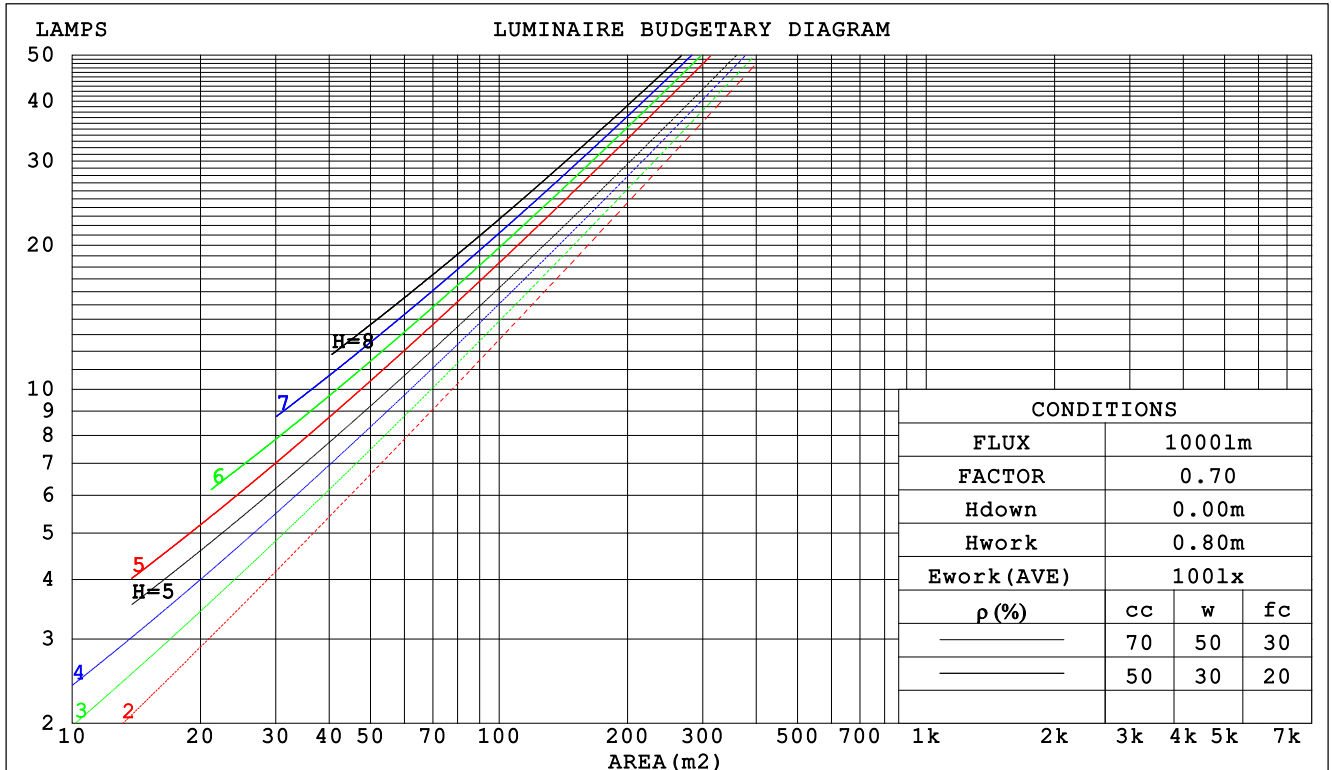
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:10.830m [K=1.0000]  
Remarks: 3500K  
TP



## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.5V I:0.1194A P:12.50W PF:0.8688 Lamp Flux:1127.65x1 lm		
NAME: ADL 12.5W ADR4WH 60°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR4WH 60°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

$\rho_{cc}$	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	Coefficients of Utilization(CU)															
RCR:Room Cavity Ratio																
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	.00
1.0	1.10	1.07	1.05	1.08	1.05	1.03	1.04	1.02	1.00	.00	.98	.97	.97	.95	.94	.92
2.0	1.02	.98	.94	1.00	.96	.93	.97	.94	.91	.94	.91	.89	.91	.89	.87	.85
3.0	.95	.89	.85	.93	.88	.85	.91	.87	.83	.88	.85	.82	.86	.83	.81	.79
4.0	.88	.83	.78	.87	.82	.78	.85	.80	.77	.83	.79	.76	.81	.78	.75	.73
5.0	.83	.77	.72	.82	.76	.72	.80	.75	.71	.78	.74	.70	.77	.73	.70	.68
6.0	.77	.71	.67	.77	.71	.67	.75	.70	.66	.74	.69	.66	.72	.68	.65	.64
7.0	.73	.67	.62	.72	.66	.62	.71	.66	.62	.70	.65	.61	.68	.64	.61	.60
8.0	.69	.62	.58	.68	.62	.58	.67	.62	.58	.66	.61	.58	.65	.61	.57	.56
9.0	.65	.59	.55	.64	.58	.55	.63	.58	.54	.62	.58	.54	.62	.57	.54	.53
10.0	.61	.55	.51	.61	.55	.51	.60	.55	.51	.59	.54	.51	.58	.54	.51	.50



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-29

$\gamma$  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: 3500K  
TP



### WEC AND CCEC

Test:U:120.5V I:0.1194A P:12.50W PF:0.8688 Lamp Flux:1127.65x1 lm		
NAME: ADL 12.5W ADR4WH 60°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR4WH 60°	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	.192	.109	.035	.186	.106	.034	.173	.099	.032	.161	.093	.030	.151	.087	.028		
2.0	.182	.100	.031	.176	.097	.030	.166	.092	.029	.156	.087	.027	.147	.083	.026		
3.0	.172	.091	.027	.167	.089	.027	.158	.085	.026	.149	.082	.025	.141	.078	.024		
4.0	.162	.084	.025	.158	.083	.024	.150	.080	.024	.143	.077	.023	.136	.074	.022		
5.0	.154	.078	.023	.150	.077	.022	.143	.075	.022	.137	.072	.021	.131	.070	.021		
6.0	.146	.073	.021	.143	.072	.021	.137	.070	.020	.131	.068	.020	.126	.066	.020		
7.0	.139	.069	.019	.136	.068	.019	.131	.066	.019	.126	.064	.019	.121	.063	.018		
8.0	.133	.065	.018	.130	.064	.018	.125	.063	.018	.121	.061	.018	.116	.060	.017		
9.0	.127	.061	.017	.125	.061	.017	.120	.059	.017	.116	.058	.017	.112	.057	.016		
10.0	.121	.058	.016	.119	.058	.016	.115	.057	.016	.112	.056	.016	.108	.054	.016		

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	.173	.158	.144	.148	.135	.124	.101	.093	.086	.058	.054	.050	.019	.017	.016	
2.0	.158	.133	.112	.135	.114	.097	.093	.079	.067	.053	.046	.039	.017	.015	.013	
3.0	.146	.114	.089	.125	.098	.077	.086	.068	.054	.050	.040	.032	.016	.013	.010	
4.0	.136	.099	.072	.117	.086	.062	.080	.060	.044	.046	.035	.026	.015	.011	.009	
5.0	.127	.088	.059	.109	.076	.051	.075	.053	.036	.044	.031	.021	.014	.010	.007	
6.0	.120	.079	.049	.103	.068	.043	.071	.048	.030	.041	.028	.018	.013	.009	.006	
7.0	.113	.071	.042	.097	.062	.036	.067	.043	.026	.039	.025	.015	.013	.008	.005	
8.0	.107	.065	.036	.093	.056	.031	.064	.040	.022	.037	.023	.013	.012	.008	.004	
9.0	.102	.060	.031	.088	.052	.027	.061	.037	.019	.036	.022	.012	.012	.007	.004	
10.0	.098	.055	.027	.084	.048	.024	.058	.034	.017	.034	.020	.010	.011	.007	.003	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-29

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: 3500K  
TP



## UGR(Unified Glare Rating) Table

Test:U:120.5V I:0.1194A P:12.50W PF:0.8688 Lamp Flux:1127.65x1 lm										
NAME: ADL 12.5W ADR4WH 60°					TYPE:LED			WEIGHT:		
SPEC.:ADL 12.5W ADR4WH 60°					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	5.6	6.6	5.8	6.7	6.9	5.6	6.6	5.9	6.8	7.0
3H	6.1	7.0	6.4	7.2	7.4	6.2	7.1	6.4	7.3	7.5
4H	6.5	7.3	6.7	7.6	7.8	6.5	7.3	6.7	7.6	7.8
6H	6.8	7.6	7.1	7.8	8.1	6.8	7.6	7.1	7.8	8.1
8H	6.9	7.7	7.2	7.9	8.2	6.9	7.7	7.2	7.9	8.2
12H	7.0	7.7	7.3	8.0	8.3	6.9	7.7	7.3	8.0	8.2
4H 2H	5.6	6.5	5.9	6.7	6.9	5.7	6.6	6.0	6.8	7.0
3H	6.4	7.2	6.8	7.4	7.7	6.4	7.2	6.8	7.5	7.7
4H	6.9	7.6	7.3	7.9	8.2	6.9	7.6	7.3	7.9	8.2
6H	7.4	8.0	7.8	8.3	8.7	7.4	8.0	7.8	8.3	8.7
8H	7.6	8.2	8.0	8.5	8.9	7.6	8.1	7.9	8.5	8.8
12H	7.7	8.2	8.1	8.6	9.0	7.7	8.2	8.1	8.6	8.9
8H 4H	7.1	7.7	7.5	8.0	8.4	7.1	7.6	7.5	8.0	8.4
6H	7.7	8.2	8.2	8.6	9.0	7.7	8.1	8.1	8.5	9.0
8H	8.0	8.4	8.4	8.8	9.3	8.0	8.4	8.4	8.8	9.2
12H	8.2	8.6	8.7	9.0	9.5	8.2	8.5	8.6	8.9	9.4
12H 4H	7.1	7.6	7.5	8.0	8.4	7.1	7.6	7.5	8.0	8.4
6H	7.8	8.2	8.2	8.6	9.0	7.7	8.1	8.2	8.6	9.0
8H	8.1	8.4	8.5	8.9	9.3	8.0	8.4	8.5	8.8	9.3
Variations with the observer position at spacings:										
S = 1.0H	+ 1.4 / - 0.7					+ 1.4 / - 0.7				
1.5H	+ 2.8 / - 0.7					+ 2.8 / - 0.7				
2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.4				

CIE Pub.117 Corrected 1128 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.4)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-29

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: 3500K  
TP



### UTILIZATION FACTORS TABLE

Test:U:120.5V I:0.1194A P:12.50W PF:0.8688 Lamp Flux:1127.65x1 lm		
NAME: ADL 12.5W ADR4WH 60°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR4WH 60°	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) $k(RI) \times RCR = 5$									
$k = 0.60$	86	79	75	85	79	75	85	79	75	72
0.80	93	87	83	93	87	83	91	86	83	79
1.00	98	92	88	97	91	88	95	91	87	83
1.25	102	96	93	101	96	92	99	94	91	87
1.50	105	99	96	103	99	95	101	97	94	90
2.00	107	103	99	106	102	99	103	100	97	92
2.50	109	105	102	108	104	101	104	102	99	93
3.00	111	107	104	109	106	103	106	103	101	94
4.00	113	110	108	111	109	106	107	105	104	96
5.00	115	112	110	112	110	109	108	107	105	98
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHR NOM = 1.25		

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Aaron  
Test Date: 2018-05-29

$\gamma$  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: 3500K  
TP



## ISOCANDELA DIAGRAM

Test:U:120.5V I:0.1194A P:12.50W PF:0.8688 Lamp Flux:1127.65x1 lm		
NAME: ADL 12.5W ADR4WH 60°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR4WH 60°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

1042.6 lm

%lum = 92.5%

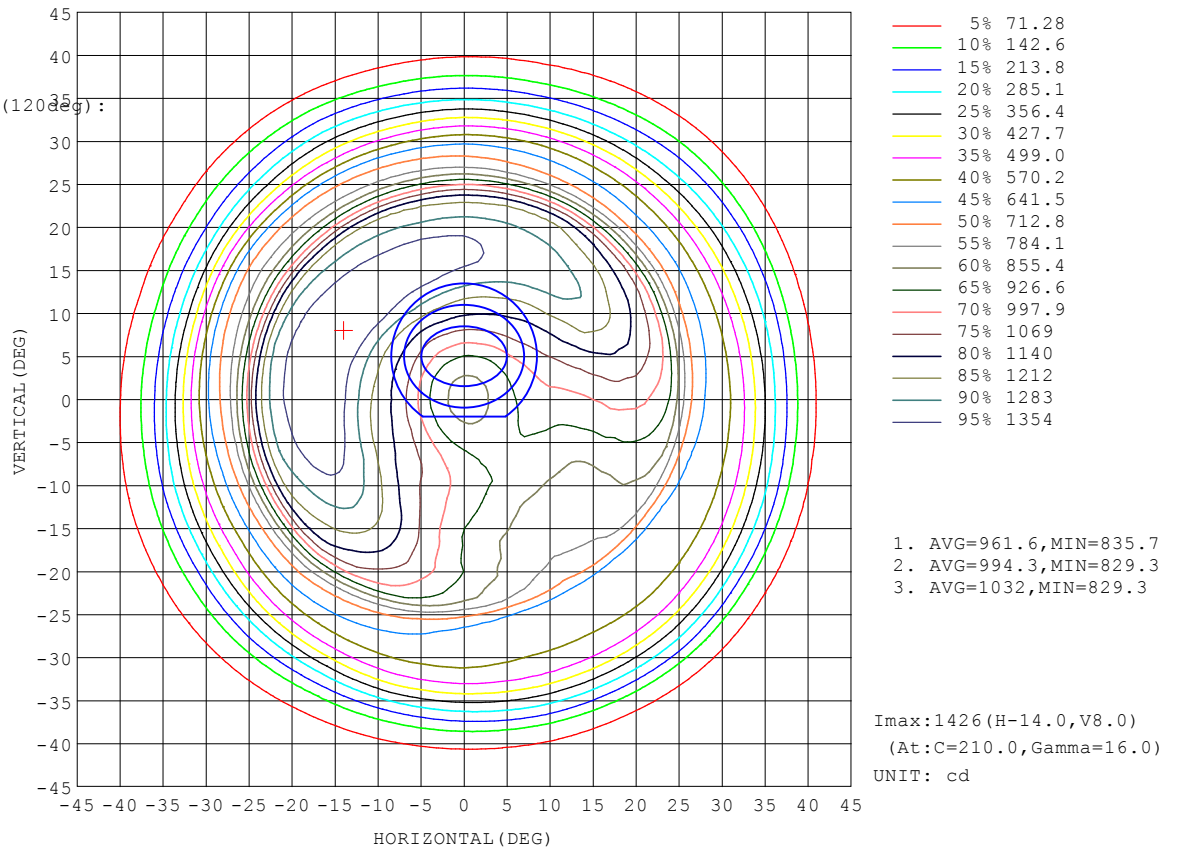
%lamp = 92.5%

Conical surface Flux(120deg):

1085.3 lm

%lum = 96.2%

%lamp = 96.2%



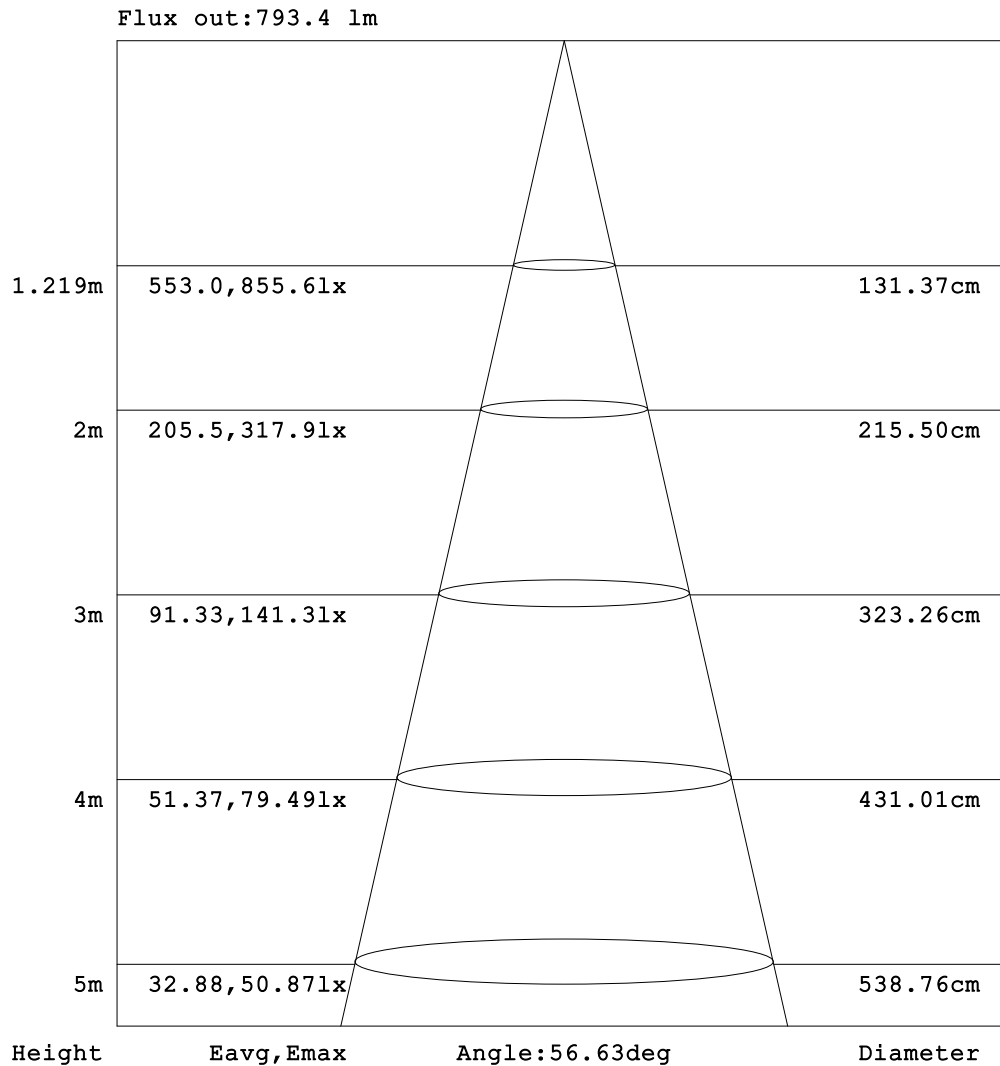
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-29

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: 3500K  
TP



### AAI Figure

Test:U:120.5V I:0.1194A P:12.50W PF:0.8688 Lamp Flux:1127.65x1 lm		
NAME: ADL 12.5W ADR4WH 60°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR4WH 60°	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.

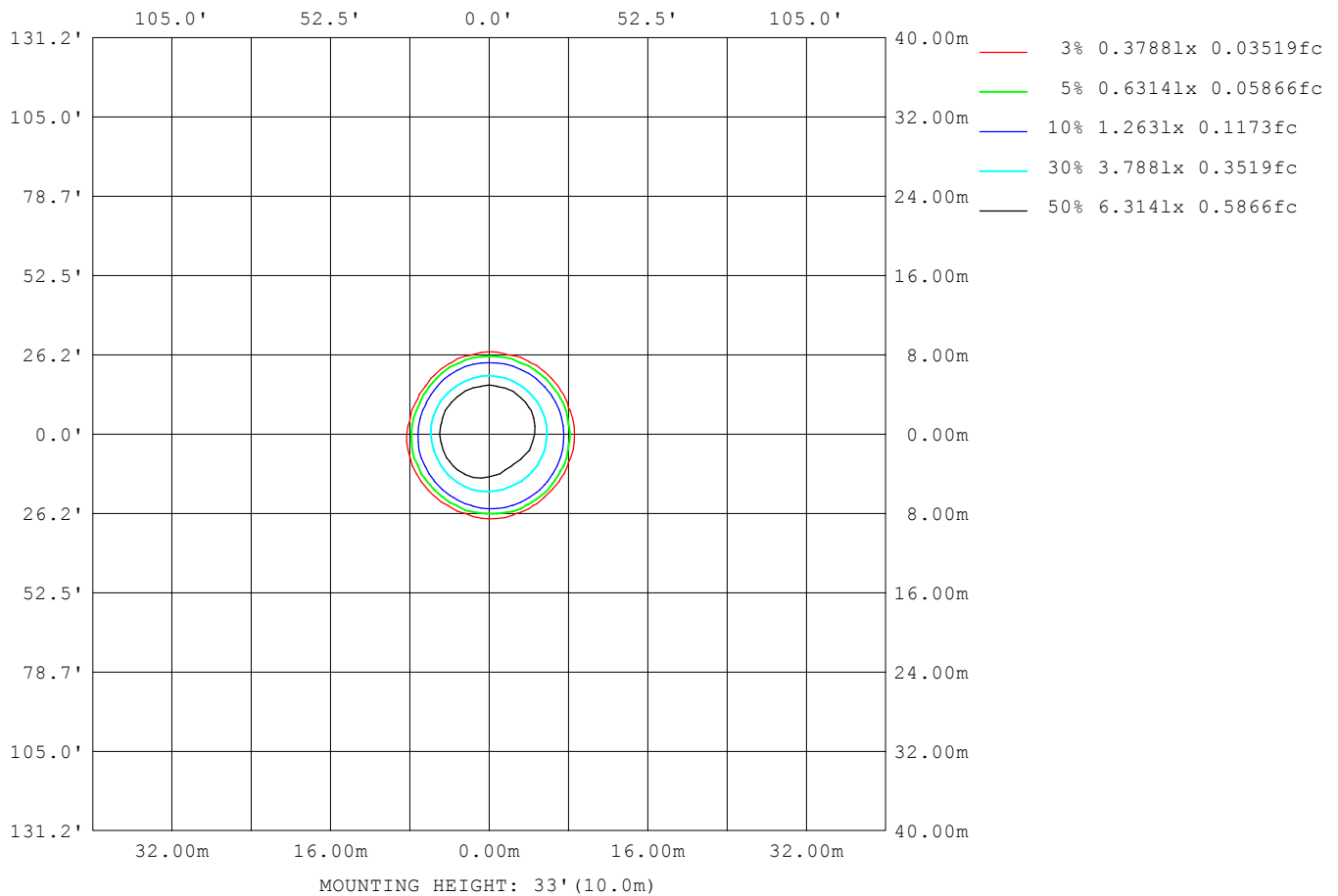
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-29

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: 3500K  
TP



## ISOLUX DIAGRAM

Test:U:120.5V I:0.1194A P:12.50W PF:0.8688 Lamp Flux:1127.65x1 lm		
NAME: ADL 12.5W ADR4WH 60°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR4WH 60°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

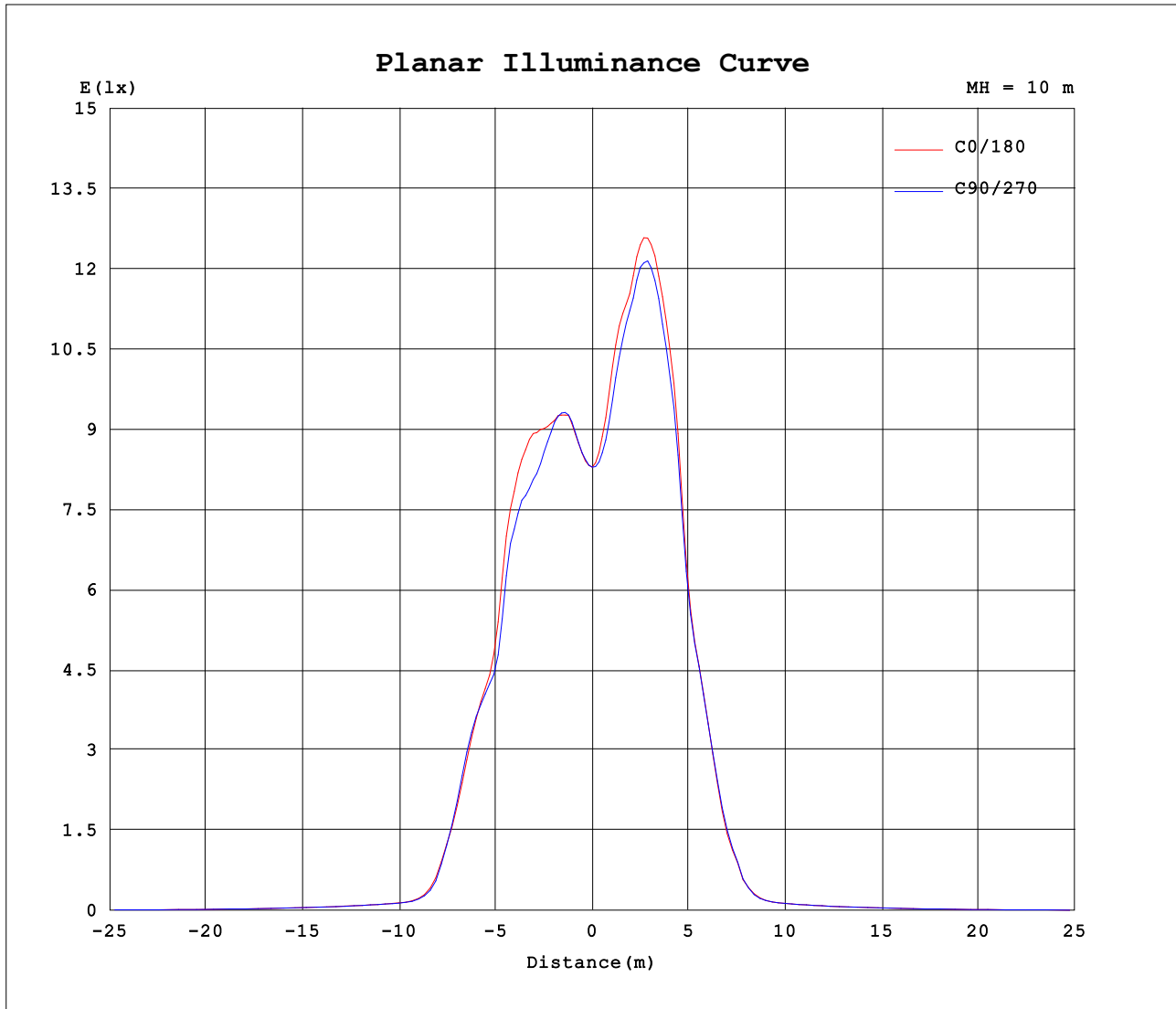


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-29

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: 3500K  
TP



## Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Aaron  
 Test Date: 2018-05-29

$\gamma$  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: 3500K  
 TP



## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.5V I:0.1194A P:12.50W PF:0.8688 Lamp Flux:1127.65x1 lm		
NAME: ADL 12.5W ADR4WH 60°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR4WH 60°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	829	830	829	829	829	830	829	829	828	828	828	828	829	830	829	829	829	830	829
5	902	896	892	888	888	891	904	920	941	957	974	976	978	975	964	957	943	936	923
10	969	935	916	911	913	933	968	1017	1072	1122	1155	1177	1188	1193	1185	1179	1172	1170	1150
15	998	918	846	830	843	871	928	1026	1146	1250	1331	1378	1397	1400	1410	1411	1390	1376	1344
20	1017	919	841	788	796	832	925	1036	1146	1245	1306	1359	1383	1383	1372	1353	1337	1325	1322
25	836	767	701	655	649	670	733	817	877	947	974	1013	1033	1033	1030	1001	989	979	994
30	602	596	588	588	582	585	593	602	603	599	589	600	626	639	650	628	620	614	622
35	357	373	384	391	389	385	371	356	317	300	283	283	261	243	235	247	270	269	274
40	94.0	94.8	88.6	88.5	85.8	88.2	85.1	80.6	75.5	76.3	77.7	79.0	70.3	61.0	58.0	57.9	60.5	61.7	66.7
45	40.8	41.1	41.1	41.0	40.7	40.5	40.1	39.8	39.2	38.8	38.2	37.8	37.5	37.1	37.0	36.9	37.0	37.1	37.6
50	36.8	37.1	37.1	37.1	36.9	36.6	36.2	35.9	35.3	34.8	34.2	33.8	33.5	33.1	32.9	32.8	32.9	33.1	33.5
55	33.1	33.4	33.4	33.4	33.2	33.0	32.5	32.2	31.6	31.1	30.5	30.0	29.6	29.2	29.1	28.9	29.0	29.3	29.7
60	29.0	29.3	29.3	29.3	29.1	28.9	28.5	28.1	27.5	27.0	26.3	25.9	25.5	25.1	24.9	24.8	24.9	25.1	25.5
65	24.8	25.0	25.0	25.0	24.8	24.6	24.2	23.9	23.3	22.8	22.2	21.7	21.3	21.0	20.8	20.6	20.7	20.9	21.3
70	20.3	20.5	20.5	20.5	20.3	20.1	19.8	19.5	19.0	18.5	17.9	17.5	17.1	16.7	16.5	16.3	16.4	16.5	16.9
75	15.6	15.8	15.7	15.7	15.6	15.4	15.1	14.9	14.5	14.1	13.6	13.1	12.7	12.3	12.1	11.9	11.9	12.1	12.4
80	10.3	10.5	10.5	10.5	10.3	10.2	10.0	9.88	9.54	9.28	8.86	8.53	8.18	7.83	7.62	7.46	7.46	7.55	7.84
85	4.74	4.88	4.85	4.88	4.78	4.80	4.59	4.54	4.28	4.16	3.86	3.68	3.48	3.25	3.19	3.06	3.10	3.09	3.30
90	0.01	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
95	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
100	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
105	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
110	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
115	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
120	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
125	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
130	0.00	0.01	0.00	0.03	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.01
135	0.10	0.10	0.08	0.11	0.08	0.10	0.08	0.09	0.05	0.08	0.03	0.06	0.09	0.08	0.09	0.04	0.07	0.07	0.09
140	0.13	0.18	0.15	0.19	0.15	0.19	0.15	0.17	0.13	0.15	0.11	0.15	0.18	0.13	0.17	0.13	0.16	0.14	0.17
145	0.22	0.27	0.23	0.27	0.23	0.27	0.23	0.25	0.20	0.22	0.19	0.21	0.26	0.22	0.24	0.21	0.25	0.22	0.26
150	0.29	0.34	0.30	0.35	0.31	0.34	0.31	0.33	0.27	0.30	0.26	0.29	0.34	0.31	0.33	0.29	0.33	0.30	0.34
155	0.33	0.39	0.35	0.39	0.36	0.40	0.35	0.38	0.33	0.36	0.31	0.34	0.43	0.40	0.41	0.38	0.40	0.39	0.41
160	0.40	0.41	0.39	0.41	0.40	0.41	0.40	0.42	0.38	0.40	0.38	0.41	0.49	0.44	0.48	0.43	0.47	0.45	0.48
165	0.41	0.45	0.40	0.46	0.41	0.46	0.42	0.45	0.41	0.45	0.42	0.47	0.53	0.51	0.54	0.49	0.54	0.50	0.54
170	0.49	0.50	0.47	0.50	0.49	0.50	0.49	0.50	0.49	0.52	0.50	0.54	0.57	0.54	0.58	0.54	0.58	0.55	0.57
175	0.53	0.57	0.54	0.58	0.54	0.57	0.53	0.57	0.55	0.59	0.56	0.59	0.61	0.60	0.60	0.59	0.60	0.59	0.60
180	0.61	0.61	0.61	0.61	0.61	0.60	0.60	0.61	0.61	0.61	0.61	0.61	0.60	0.61	0.60	0.61	0.61	0.61	0.61

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-29

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: 3500K  
TP



## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.5V I:0.1194A P:12.50W PF:0.8688 Lamp Flux:1127.65x1 lm		
NAME: ADL 12.5W ADR4WH 60°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR4WH 60°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	829	828	828	828	828														
5	918	911	910	906	905														
10	1134	1114	1088	1056	1021														
15	1313	1281	1254	1193	1095														
20	1316	1292	1260	1204	1126														
25	990	992	962	950	895														
30	616	606	599	601	601														
35	276	285	298	321	337														
40	68.8	75.8	81.3	85.6	88.7														
45	38.0	38.7	39.3	39.9	40.3														
50	34.0	34.6	35.2	35.8	36.3														
55	30.2	30.8	31.5	32.1	32.6														
60	26.0	26.7	27.4	28.1	28.6														
65	21.8	22.5	23.1	23.8	24.3														
70	17.4	18.1	18.7	19.4	19.9														
75	12.9	13.5	14.1	14.8	15.2														
80	8.16	8.68	9.13	9.68	10.0														
85	3.43	3.75	3.97	4.34	4.53														
90	0.00	0.00	0.00	0.00	0.00														
95	0.00	0.00	0.00	0.00	0.00														
100	0.00	0.00	0.00	0.00	0.00														
105	0.00	0.00	0.00	0.00	0.00														
110	0.00	0.00	0.00	0.00	0.00														
115	0.00	0.00	0.00	0.00	0.00														
120	0.00	0.00	0.00	0.00	0.00														
125	0.00	0.00	0.00	0.00	0.00														
130	0.00	0.02	0.00	0.03	0.01														
135	0.08	0.10	0.10	0.12	0.10														
140	0.14	0.18	0.17	0.20	0.19														
145	0.23	0.27	0.24	0.29	0.27														
150	0.31	0.34	0.31	0.36	0.33														
155	0.39	0.41	0.40	0.41	0.39														
160	0.44	0.45	0.41	0.46	0.42														
165	0.50	0.51	0.48	0.49	0.47														
170	0.54	0.56	0.52	0.55	0.50														
175	0.59	0.61	0.59	0.60	0.55														
180	0.61	0.61	0.61	0.61	0.61														

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-29

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: 3500K  
TP