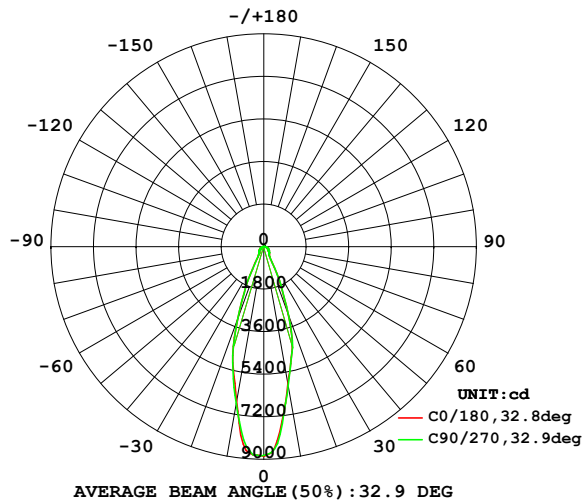


## LUMINAIRE PHOTOMETRIC TEST REPORT

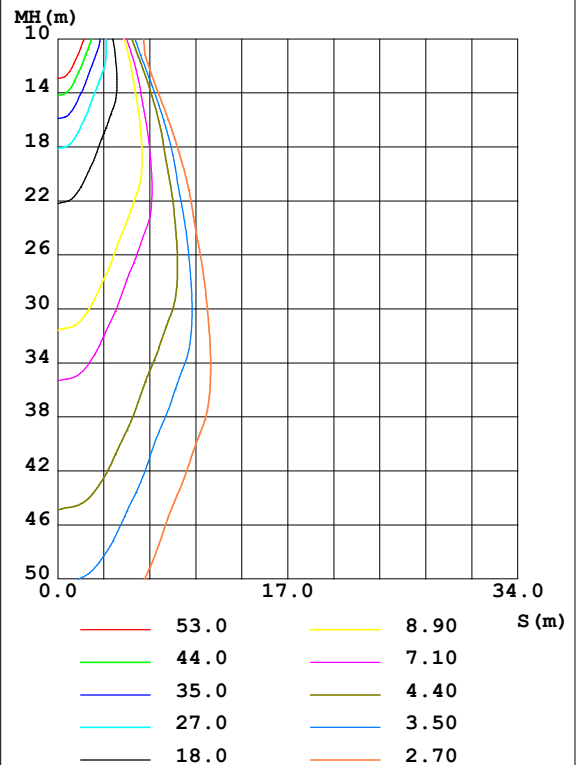
Test:U:120.4V I:0.4946A P:59.27W PF:0.9954 Lamp Flux:3715.39x1 lm		
NAME: ADL 60W ADR4WH 25°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W ADR4WH 25°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 62.69 lm/W			
MODEL		I <sub>max</sub> (cd)	8900	S/MH (C0/180)	0.55
NOMINAL POWER (W)	60	LOR (%)	100.0	S/MH (C90/270)	0.55
RATED VOLTAGE (V)	120-277	TOTAL FLUX (lm)	3715.4	η UP, DN (C0-180)	0.1, 49.3
NOMINAL FLUX (lm)	3715.39	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.1, 50.6
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: 2018-06-01

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:

### ZONAL FLUX DIAGRAM

#### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum
10	5909	5857	5984	6277	6628	6874	6724	6253	0- 10	719.4	719.4	19.4
20	3025	3014	3069	3159	3235	3227	3237	3106	10- 20	1317	2036	54.8
30	515.3	529.0	522.5	515.7	507.1	501.5	499.2	495.7	20- 30	711.7	2748	74
40	362.1	370.4	363.7	347.3	334.9	329.0	335.1	349.7	30- 40	250.4	2999	80.7
50	260.8	267.8	266.2	257.0	247.9	243.1	246.5	252.1	40- 50	228.9	3227	86.9
60	196.7	202.5	201.7	196.2	189.1	185.5	187.4	191.7	50- 60	201.5	3429	92.3
70	127.0	130.2	130.5	127.2	122.6	119.7	120.8	123.1	60- 70	157.9	3587	96.5
80	59.01	60.75	60.65	59.04	56.49	54.48	54.89	56.28	70- 80	96.11	3683	99.1
90	0.0282	0	0.0278	0	0	0.0041	0	0.0071	80- 90	28.37	3711	99.9
100	0	0	0	0	0	0	0	0	90-100	0.0004	3711	99.9
110	0	0	0	0	0	0	0	0	100-110	0	3711	99.9
120	0.1912	0.1981	0.1595	0.1857	0.1790	0.1399	0.1725	0.1404	110-120	0.0525	3711	99.9
130	0.6637	0.6841	0.6503	0.6639	0.6325	0.5867	0.6257	0.6058	120-130	0.3357	3712	99.9
140	1.390	1.424	1.385	1.367	1.315	1.282	1.322	1.333	130-140	0.7501	3712	99.9
150	2.067	2.075	2.061	2.036	2.068	2.029	2.055	2.068	140-150	1.074	3713	99.9
160	2.355	2.342	2.361	2.329	2.419	2.419	2.432	2.425	150-160	1.043	3715	100
170	2.106	2.087	2.132	2.087	2.151	2.170	2.176	2.139	160-170	0.6522	3715	100
180	2.036	2.055	2.030	2.042	2.030	2.049	2.017	2.036	170-180	0.1973	3715	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

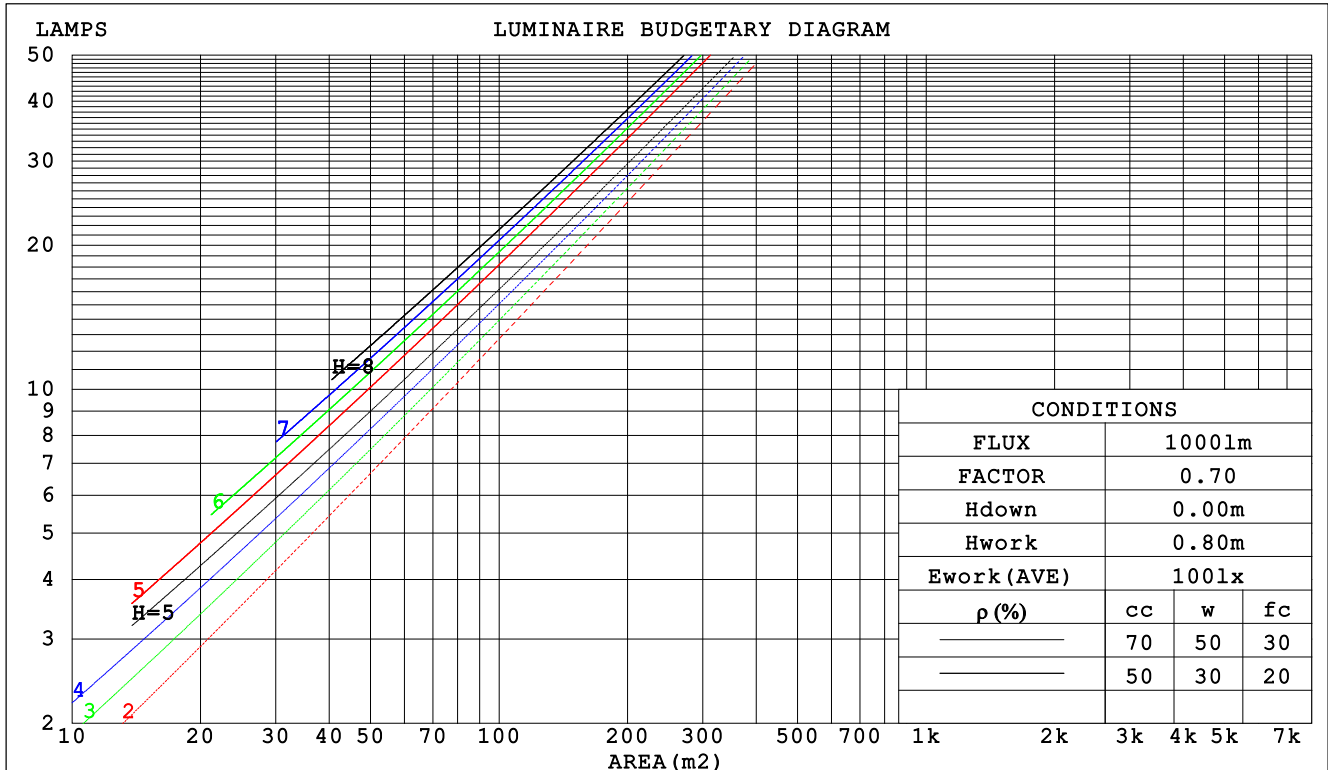
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-06-01

$\gamma$  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:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.4V I:0.4946A P:59.27W PF:0.9954 Lamp Flux:3715.39x1 lm		
NAME: ADL 60W ADR4WH 25°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W ADR4WH 25°	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	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	.00
1.0	1.10	1.07	1.04	1.07	1.05	1.03	1.03	1.01	.99	.00	.98	.96	.96	.95	.94	.92
2.0	1.01	.97	.93	.00	.96	.92	.96	.93	.90	.93	.91	.88	.91	.88	.86	.85
3.0	.94	.89	.85	.93	.88	.84	.90	.86	.83	.88	.84	.82	.86	.83	.80	.79
4.0	.89	.83	.79	.87	.82	.78	.85	.81	.77	.83	.79	.76	.81	.78	.75	.74
5.0	.84	.78	.73	.83	.77	.73	.81	.76	.72	.79	.75	.72	.78	.74	.71	.70
6.0	.79	.73	.69	.78	.73	.69	.77	.72	.68	.75	.71	.68	.74	.70	.67	.66
7.0	.75	.69	.65	.75	.69	.65	.73	.68	.65	.72	.68	.64	.71	.67	.64	.63
8.0	.72	.66	.62	.71	.66	.62	.70	.65	.62	.69	.65	.61	.68	.64	.61	.60
9.0	.69	.63	.59	.68	.63	.59	.67	.62	.59	.66	.62	.59	.66	.61	.58	.57
10.0	.66	.60	.57	.65	.60	.57	.65	.60	.56	.64	.59	.56	.63	.59	.56	.55



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-06-01

$\gamma$  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:

## WEC AND CCEC

Test:U:120.4V I:0.4946A P:59.27W PF:0.9954 Lamp Flux:3715.39x1 lm		
NAME: ADL 60W ADR4WH 25°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W ADR4WH 25°	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	.200	.114	.036	.193	.110	.035	.180	.103	.033	.169	.097	.031	.158	.091	.029		
2.0	.186	.102	.031	.181	.099	.031	.170	.094	.029	.160	.090	.028	.151	.085	.027		
3.0	.173	.092	.028	.168	.090	.027	.159	.086	.026	.150	.082	.025	.142	.079	.024		
4.0	.161	.084	.025	.157	.082	.024	.149	.079	.024	.141	.076	.023	.134	.073	.022		
5.0	.150	.076	.022	.146	.075	.022	.139	.073	.021	.133	.070	.021	.127	.068	.020		
6.0	.141	.070	.020	.137	.069	.020	.131	.067	.020	.126	.065	.019	.120	.063	.019		
7.0	.132	.065	.019	.130	.065	.018	.124	.063	.018	.119	.061	.018	.115	.060	.017		
8.0	.125	.061	.017	.122	.060	.017	.118	.059	.017	.113	.057	.017	.109	.056	.016		
9.0	.118	.057	.016	.116	.057	.016	.112	.055	.016	.108	.054	.016	.104	.053	.015		
10.0	.113	.054	.015	.111	.053	.015	.107	.052	.015	.103	.051	.015	.100	.050	.014		

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	.164	.164	.164	.112	.112	.112	.064	.064	.064	.020	.020	.020	
1.0	.174	.158	.144	.149	.136	.124	.102	.093	.086	.058	.054	.050	.019	.017	.016	
2.0	.159	.133	.112	.136	.115	.096	.093	.079	.067	.054	.046	.039	.017	.015	.013	
3.0	.147	.115	.089	.126	.099	.077	.086	.069	.054	.050	.040	.032	.016	.013	.010	
4.0	.136	.100	.072	.117	.086	.063	.080	.060	.044	.046	.035	.026	.015	.011	.009	
5.0	.127	.088	.060	.109	.076	.052	.075	.053	.037	.043	.031	.022	.014	.010	.007	
6.0	.118	.079	.051	.102	.068	.044	.070	.048	.031	.041	.028	.019	.013	.009	.006	
7.0	.111	.071	.043	.096	.062	.038	.066	.043	.027	.038	.025	.016	.012	.008	.005	
8.0	.105	.065	.037	.090	.056	.033	.062	.039	.023	.036	.023	.014	.012	.008	.005	
9.0	.099	.059	.033	.085	.052	.028	.059	.036	.020	.034	.021	.012	.011	.007	.004	
10.0	.094	.055	.029	.081	.048	.025	.056	.034	.018	.033	.020	.011	.011	.007	.004	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-06-01

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:

## UGR(Unified Glare Rating) Table

Test:U:120.4V I:0.4946A P:59.27W PF:0.9954 Lamp Flux:3715.39x1 lm										
NAME: ADL 60W ADR4WH 25°					TYPE:LED			WEIGHT:		
SPEC.:ADL 60W ADR4WH 25°					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	10.6	11.6	10.9	11.7	11.9	10.7	11.7	11.0	11.9	12.0
3H	12.2	13.1	12.5	13.3	13.5	12.4	13.2	12.6	13.4	13.7
4H	12.9	13.8	13.2	14.0	14.2	13.0	13.9	13.3	14.1	14.3
6H	13.4	14.2	13.7	14.5	14.7	13.6	14.4	13.9	14.6	14.9
8H	13.6	14.4	13.9	14.7	14.9	13.8	14.6	14.1	14.8	15.1
12H	13.7	14.5	14.1	14.8	15.0	13.9	14.7	14.2	14.9	15.2
4H 2H	11.3	12.2	11.6	12.4	12.6	11.4	12.3	11.7	12.5	12.7
3H	13.1	13.9	13.4	14.1	14.4	13.2	14.0	13.5	14.2	14.5
4H	13.9	14.6	14.3	14.9	15.2	14.0	14.7	14.4	15.0	15.3
6H	14.6	15.2	14.9	15.5	15.9	14.7	15.3	15.1	15.6	16.0
8H	14.8	15.4	15.2	15.7	16.1	14.9	15.5	15.3	15.9	16.2
12H	15.0	15.5	15.4	15.9	16.3	15.1	15.6	15.5	16.0	16.4
8H 4H	14.2	14.8	14.6	15.1	15.5	14.3	14.9	14.7	15.2	15.6
6H	15.0	15.5	15.5	15.9	16.3	15.1	15.6	15.6	16.0	16.4
8H	15.4	15.8	15.8	16.2	16.6	15.5	15.9	15.9	16.3	16.8
12H	15.6	16.0	16.1	16.4	16.9	15.7	16.1	16.2	16.5	17.0
12H 4H	14.2	14.8	14.6	15.1	15.5	14.3	14.9	14.7	15.2	15.6
6H	15.1	15.5	15.5	15.9	16.4	15.2	15.6	15.7	16.0	16.5
8H	15.5	15.8	15.9	16.3	16.7	15.6	15.9	16.0	16.4	16.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 3715 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.6)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-06-01

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:

### UTILIZATION FACTORS TABLE

Test:U:120.4V I:0.4946A P:59.27W PF:0.9954 Lamp Flux:3715.39x1 lm		
NAME: ADL 60W ADR4WH 25°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W ADR4WH 25°	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) $k(RI) \times RCR = 5$									
$k = 0.60$	80	72	67	79	72	67	78	71	67	63
0.80	88	80	76	87	80	76	86	79	75	71
1.00	93	86	81	92	85	81	90	86	80	76
1.25	98	91	87	96	90	86	94	89	85	80
1.50	101	95	90	100	94	90	97	92	89	84
2.00	105	99	95	103	98	94	100	96	93	87
2.50	107	102	98	105	101	97	102	98	95	89
3.00	109	105	101	107	103	100	104	100	98	91
4.00	112	108	105	109	106	104	106	103	101	93
5.00	113	110	108	111	108	106	107	105	103	95
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-06-01

$\gamma$  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:

## ISOCANDELA DIAGRAM

Test:U:120.4V I:0.4946A P:59.27W PF:0.9954 Lamp Flux:3715.39x1 lm		
NAME: ADL 60W ADR4WH 25°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W ADR4WH 25°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

3118.4 lm

%lum = 83.9%

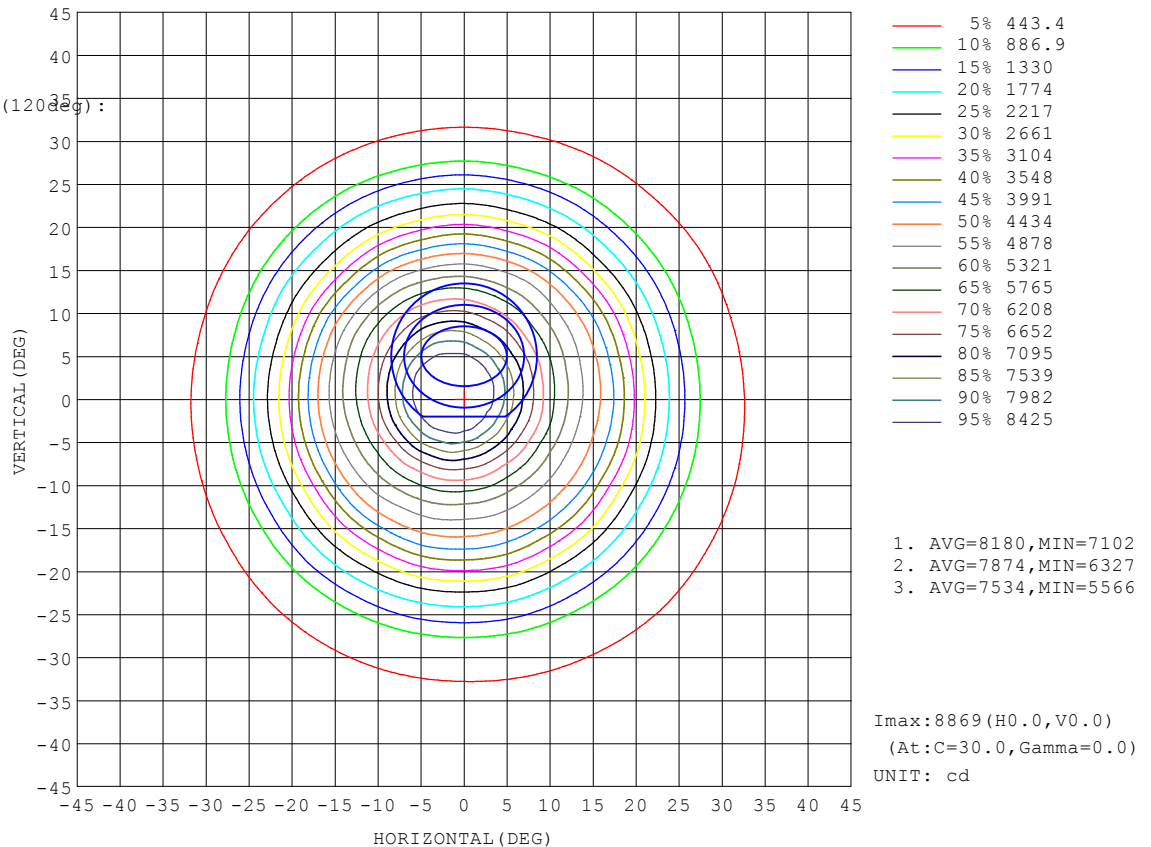
%lamp = 83.9%

Conical surface Flux(120deg):

3428.9 lm

%lum = 92.3%

%lamp = 92.3%

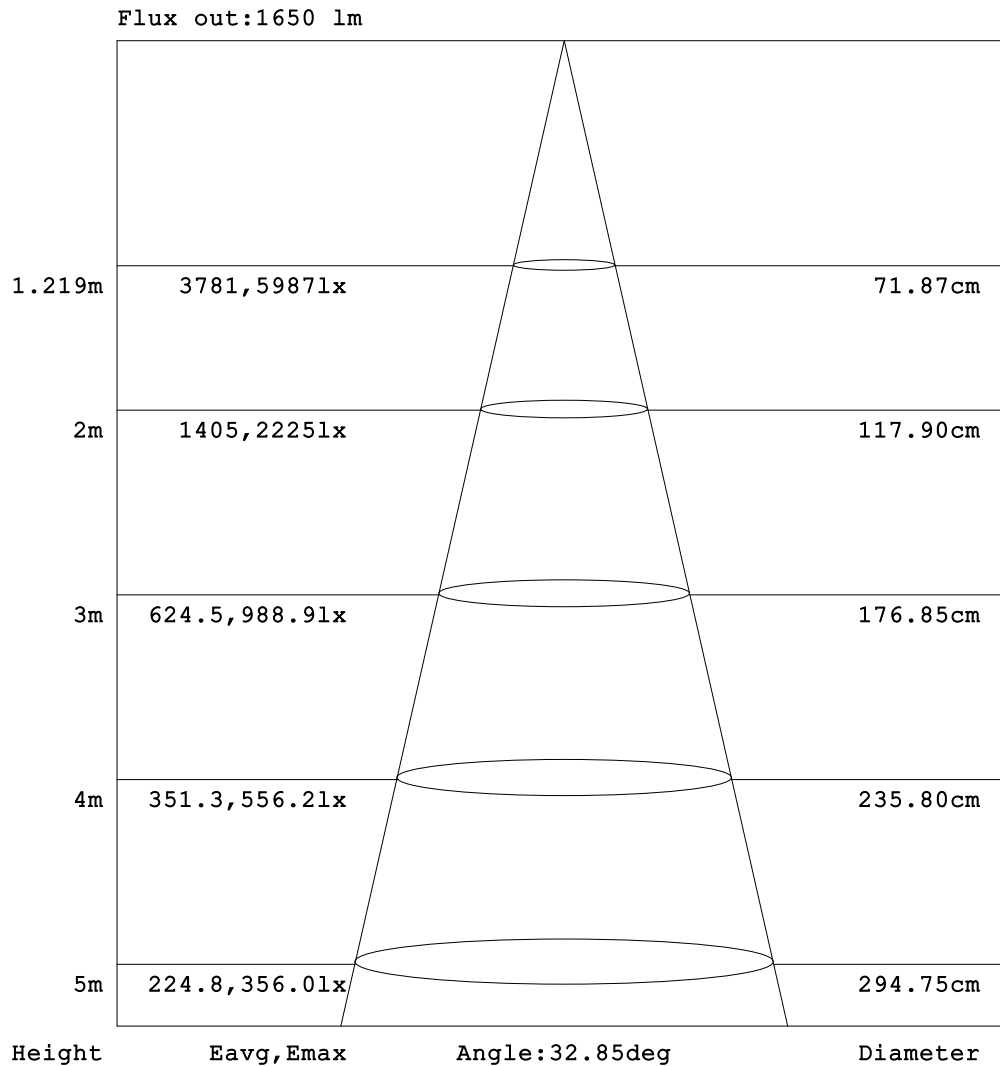


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-06-01

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:

### AAI Figure

Test:U:120.4V I:0.4946A P:59.27W PF:0.9954 Lamp Flux:3715.39x1 lm		
NAME: ADL 60W ADR4WH 25°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W ADR4WH 25°	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.

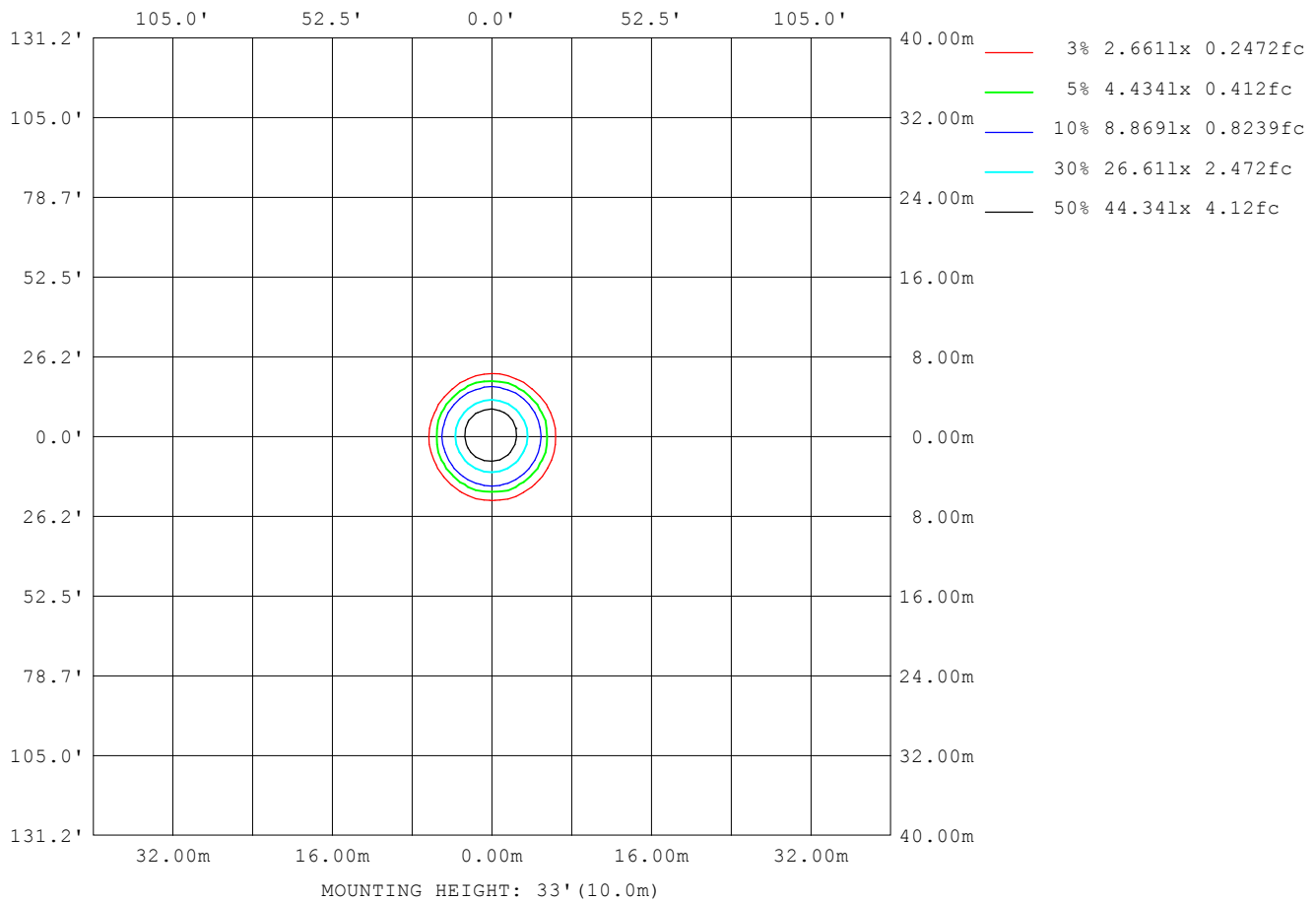
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-06-01

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:



## ISOLUX DIAGRAM

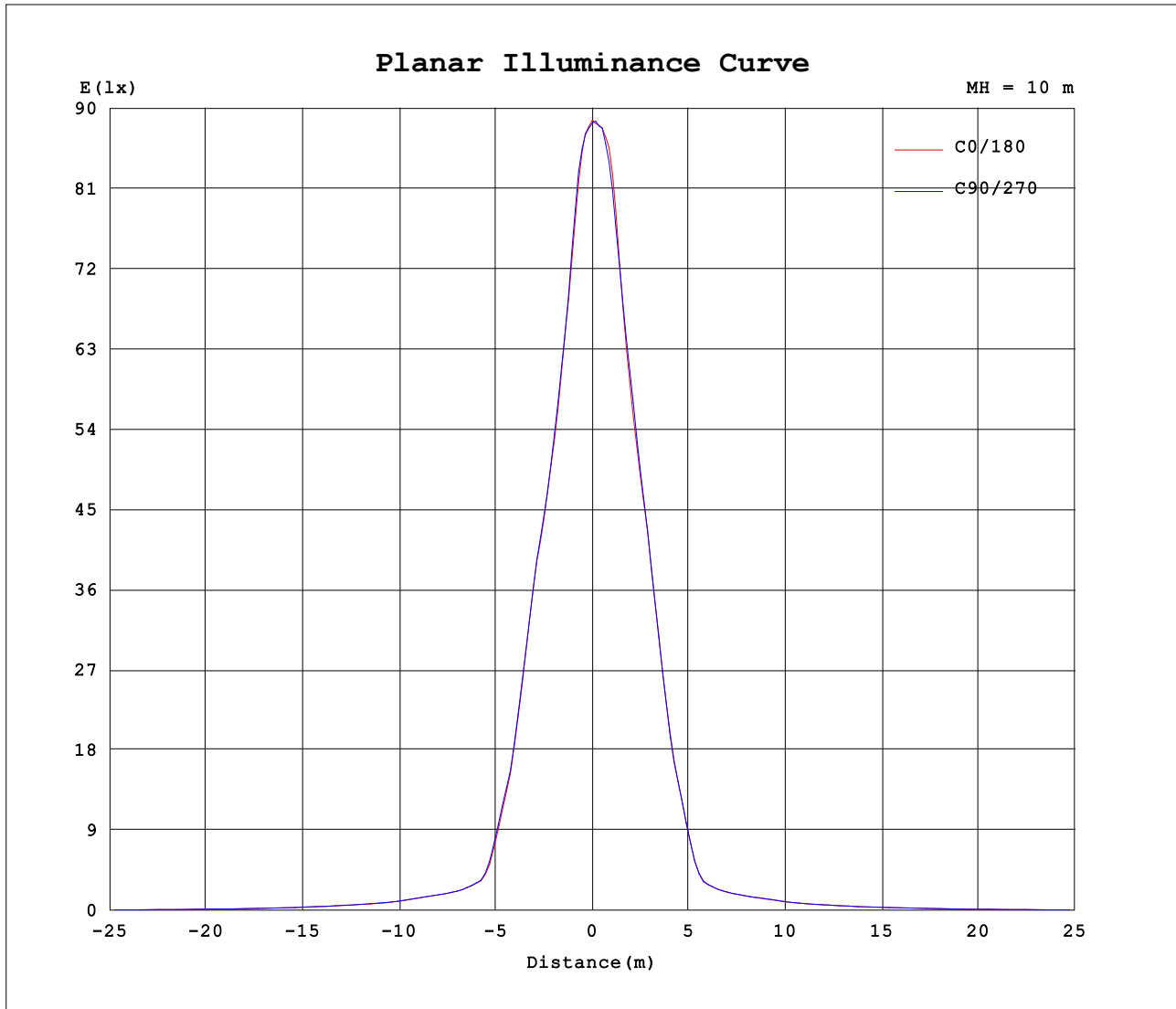
Test:U:120.4V I:0.4946A P:59.27W PF:0.9954 Lamp Flux:3715.39x1 lm		
NAME: ADL 60W ADR4WH 25°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W ADR4WH 25°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-06-01

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:

### Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Aaron  
Test Date: 2018-06-01

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:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.4V I:0.4946A P:59.27W PF:0.9954 Lamp Flux:3715.39x1 lm		
NAME: ADL 60W ADR4WH 25°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W ADR4WH 25°	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	8869	8877	8900	8859	8858	8849	8838	8862	8847	8846	8846	8843	8869	8877	8900	8859	8858	8849	8838
5	7855	7803	7728	7776	7775	7910	7965	8124	8230	8379	8486	8600	8662	8694	8698	8674	8623	8548	8501
10	5909	5890	5829	5857	5859	5939	5984	6076	6138	6277	6375	6529	6628	6707	6818	6874	6921	6828	6724
15	4607	4543	4543	4551	4578	4626	4651	4718	4747	4867	4913	4996	5076	5137	5243	5250	5218	5144	5117
20	3025	3029	2954	3014	3010	3080	3069	3120	3097	3159	3129	3201	3235	3261	3304	3227	3272	3208	3237
25	1506	1510	1495	1520	1531	1577	1576	1591	1579	1598	1558	1615	1642	1612	1652	1616	1647	1615	1642
30	515	521	522	529	527	531	522	522	516	516	502	504	507	501	505	501	507	500	499
35	395	400	402	404	403	402	397	396	393	389	381	379	373	369	370	367	369	370	376
40	362	367	367	370	369	368	364	359	352	347	340	336	335	331	331	329	331	331	335
45	298	302	302	305	305	307	303	301	295	293	287	285	284	278	280	277	278	277	280
50	261	264	264	268	268	269	266	265	260	257	252	249	248	245	244	243	244	244	246
55	230	233	234	237	237	238	236	235	230	228	223	221	220	217	216	215	216	216	218
60	197	200	199	202	202	204	202	201	198	196	193	190	189	187	186	185	186	186	187
65	162	164	164	166	167	168	167	166	164	162	159	157	156	155	154	153	153	153	155
70	127	128	129	130	130	131	131	130	128	127	125	123	123	121	121	120	120	120	121
75	92.7	93.6	93.8	94.9	95.0	95.8	95.0	94.9	93.5	92.8	90.7	89.8	89.3	88.0	87.8	86.8	86.9	86.6	87.4
80	59.0	59.9	59.9	60.8	60.7	61.2	60.6	60.6	59.5	59.0	57.5	56.8	56.5	55.5	55.4	54.5	54.6	54.2	54.9
85	26.2	26.9	26.8	27.6	27.4	28.0	27.5	27.5	26.7	26.5	25.3	25.0	24.7	23.9	23.9	23.2	23.4	22.9	23.4
90	0.03	0.00	0.03	0.00	0.01	0.00	0.03	0.00	0.03	0.00	0.01	0.00	0.00	0.02	0.00	0.00	0.00	0.01	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	0.03	0.06	0.02	0.05	0.02	0.05	0.02	0.06	0.03	0.06	0.02	0.06	0.05	0.02	0.06	0.01	0.06	0.02	0.06
120	0.19	0.20	0.17	0.20	0.17	0.20	0.16	0.19	0.18	0.19	0.18	0.18	0.18	0.15	0.17	0.14	0.17	0.15	0.17
125	0.38	0.41	0.38	0.41	0.38	0.40	0.38	0.40	0.38	0.39	0.38	0.39	0.37	0.33	0.36	0.33	0.36	0.33	0.36
130	0.66	0.70	0.67	0.68	0.66	0.68	0.65	0.67	0.64	0.66	0.63	0.65	0.63	0.59	0.61	0.59	0.61	0.58	0.63
135	1.01	1.05	1.02	1.05	1.01	1.03	1.00	1.01	0.99	1.00	0.97	0.99	0.95	0.91	0.93	0.90	0.93	0.91	0.96
140	1.39	1.42	1.40	1.42	1.41	1.40	1.38	1.38	1.36	1.37	1.35	1.36	1.31	1.31	1.31	1.28	1.32	1.31	1.32
145	1.77	1.78	1.77	1.79	1.75	1.77	1.75	1.75	1.73	1.74	1.72	1.73	1.72	1.73	1.69	1.68	1.71	1.72	1.69
150	2.07	2.07	2.05	2.07	2.05	2.06	2.06	2.06	2.04	2.04	2.03	2.04	2.07	2.04	2.04	2.03	2.06	2.05	2.06
155	2.28	2.29	2.28	2.28	2.27	2.29	2.28	2.27	2.25	2.26	2.25	2.26	2.29	2.27	2.29	2.31	2.30	2.29	2.32
160	2.36	2.36	2.35	2.34	2.35	2.36	2.36	2.34	2.32	2.33	2.32	2.32	2.42	2.39	2.38	2.42	2.39	2.42	2.43
165	2.28	2.27	2.25	2.23	2.28	2.28	2.30	2.27	2.26	2.23	2.26	2.26	2.34	2.35	2.32	2.32	2.33	2.37	2.38
170	2.11	2.09	2.09	2.09	2.12	2.12	2.13	2.09	2.09	2.09	2.10	2.09	2.15	2.19	2.16	2.17	2.16	2.19	2.18
175	2.03	2.02	2.02	2.04	2.04	2.02	2.03	2.01	2.02	2.03	2.03	2.01	2.03	2.07	2.07	2.08	2.05	2.05	2.03
180	2.04	2.03	2.04	2.06	2.04	2.03	2.03	2.02	2.03	2.04	2.04	2.02	2.03	2.03	2.03	2.05	2.04	2.02	2.02

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-06-01

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:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.4V I:0.4946A P:59.27W PF:0.9954 Lamp Flux:3715.39x1 lm		
NAME: ADL 60W ADR4WH 25°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W ADR4WH 25°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	8862	8847	8846	8846	8843														
5	8393	8293	8126	8056	7949														
10	6560	6458	6253	6132	5993														
15	5036	5005	4854	4771	4669														
20	3165	3189	3106	3117	3043														
25	1583	1584	1538	1541	1509														
30	493	499	496	501	505														
35	376	385	385	391	391														
40	340	345	350	356	358														
45	281	285	287	293	294														
50	247	251	252	256	257														
55	219	222	223	226	227														
60	188	191	192	194	194														
65	155	157	158	159	160														
70	121	123	123	125	125														
75	87.6	88.9	89.3	90.8	91.3														
80	55.0	56.0	56.3	57.7	58.1														
85	23.2	24.1	24.2	25.4	25.6														
90	0.00	0.00	0.01	0.00	0.01														
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	0.02	0.06	0.02	0.04	0.00														
120	0.14	0.17	0.14	0.17	0.13														
125	0.34	0.37	0.33	0.36	0.34														
130	0.59	0.63	0.61	0.61	0.61														
135	0.92	0.96	0.94	0.97	0.95														
140	1.32	1.32	1.33	1.35	1.34														
145	1.72	1.72	1.72	1.74	1.74														
150	2.05	2.06	2.07	2.07	2.07														
155	2.30	2.32	2.32	2.32	2.33														
160	2.44	2.43	2.43	2.39	2.40														
165	2.40	2.37	2.34	2.31	2.30														
170	2.22	2.18	2.14	2.13	2.13														
175	2.06	2.06	2.05	2.04	2.04														
180	2.02	2.03	2.04	2.04	2.02														

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-06-01

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: