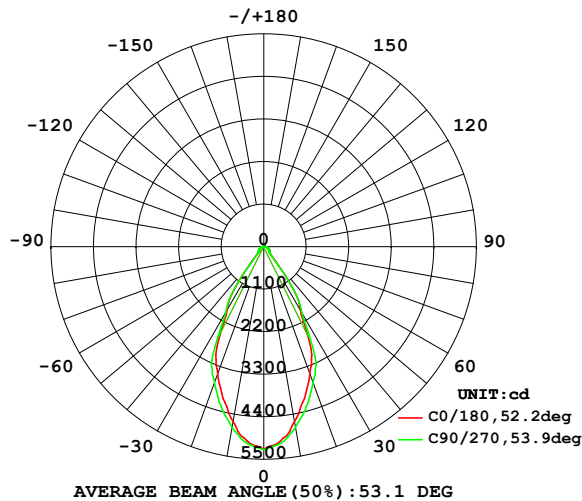


## LUMINAIRE PHOTOMETRIC TEST REPORT

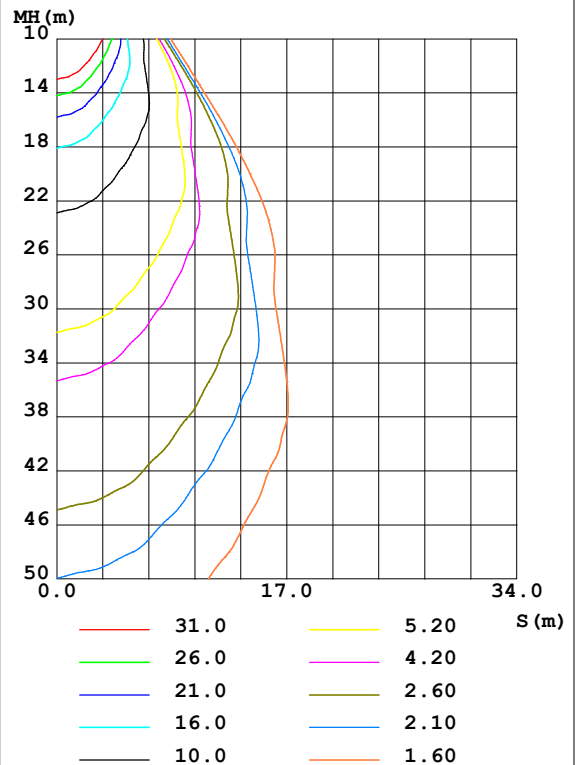
Test:U:120.4V I:0.4897A P:58.68W PF:0.9953 Lamp Flux:4214.59x1 lm		
NAME: ADL 60W ADR4WH 60°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W ADR4WH 60°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 71.83 lm/W
MODEL		I <sub>max</sub> (cd)	5249	S/MH (C0/180)	0.79	
NOMINAL POWER (W)	60	LOR (%)	100.0	S/MH (C90/270)	0.81	
RATED VOLTAGE (V)	120-277	TOTAL FLUX (lm)	4214.6	η UP, DN (C0-180)	0.1, 49.9	
NOMINAL FLUX (lm)	4214.59	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.1, 49.9	
LAMPS INSIDE	1	η up (%)	0.1	CIBSE SHR NOM	0.75	
TEST VOLTAGE (V)	120	η down (%)	99.9	CIBSE SHR MAX	0.85	

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	4590	4632	4753	4632	4590	4632	4753	4632	0- 10	469.5	469.5	11.1
20	3484	3621	3729	3621	3484	3621	3729	3621	10- 20	1159	1629	38.6
30	1908	1952	1970	1952	1908	1952	1970	1952	20- 30	1310	2939	69.7
40	362.0	321.2	342.3	321.2	362.0	321.2	342.3	321.2	30- 40	728.9	3668	87
50	180.8	185.1	181.8	185.1	180.8	185.1	181.8	185.1	40- 50	165.7	3833	91
60	142.4	146.0	143.2	146.0	142.4	146.0	143.2	146.0	50- 60	147.7	3981	94.5
70	98.61	101.8	99.32	101.8	98.61	101.8	99.32	101.8	60- 70	121.9	4103	97.4
80	49.03	51.13	50.21	51.13	49.03	51.13	50.21	51.13	70- 80	80.25	4183	99.3
90	0.0072	0	0.0074	0	0.0072	0	0.0074	0	80- 90	26.18	4209	99.9
100	0	0	0	0	0	0	0	0	90-100	0.0006	4209	99.9
110	0.0131	0.0530	0.0197	0.0530	0.0131	0.0530	0.0197	0.0530	100-110	0.0035	4209	99.9
120	0.3961	0.4429	0.3826	0.4429	0.3961	0.4429	0.3826	0.4429	110-120	0.2050	4210	99.9
130	0.9578	1.018	0.9514	1.018	0.9578	1.018	0.9514	1.018	120-130	0.6123	4210	99.9
140	1.665	1.712	1.631	1.712	1.665	1.712	1.631	1.712	130-140	1.022	4211	99.9
150	2.266	2.287	2.233	2.287	2.266	2.287	2.233	2.287	140-150	1.242	4212	99.9
160	2.603	2.610	2.610	2.610	2.603	2.610	2.610	2.610	150-160	1.133	4214	100
170	2.775	2.795	2.788	2.795	2.775	2.795	2.788	2.795	160-170	0.7621	4214	100
180	2.920	2.934	2.914	2.934	2.920	2.934	2.914	2.934	170-180	0.2720	4215	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

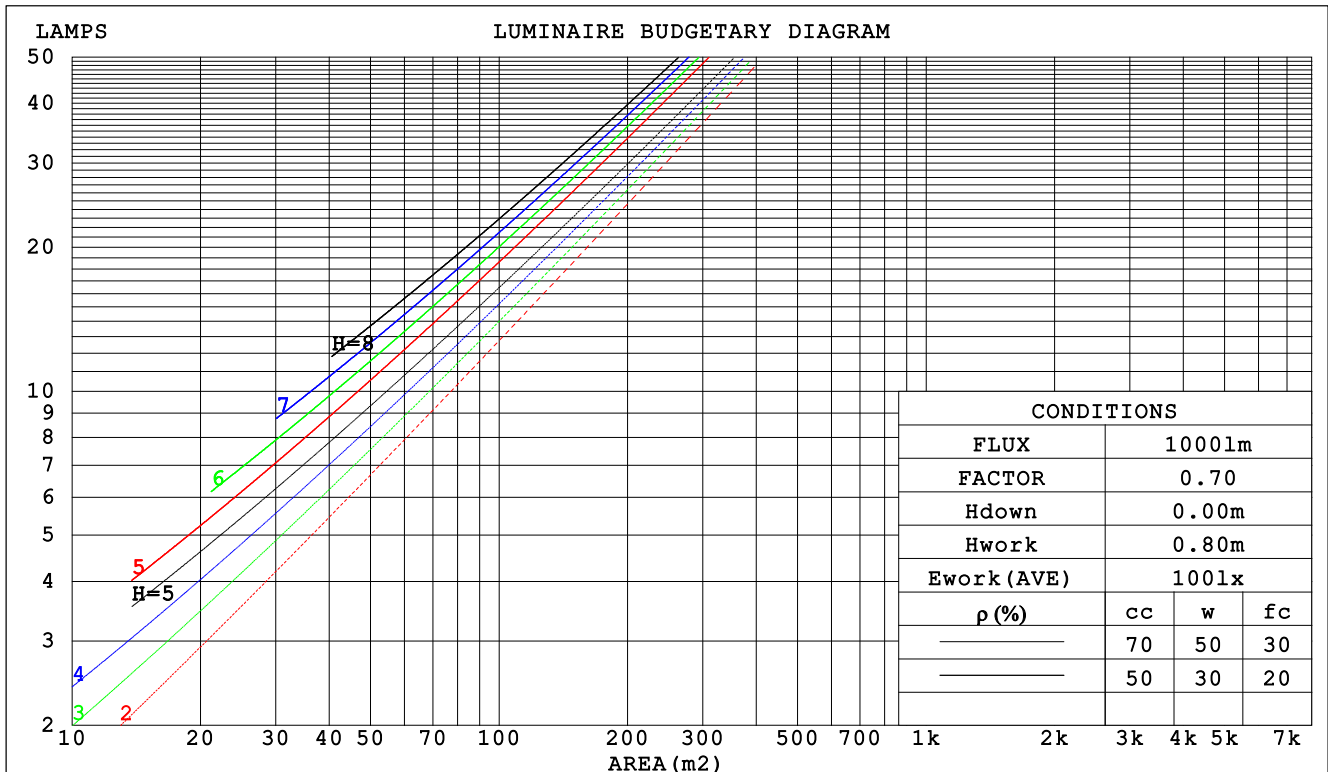
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-06-01

$\gamma$  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:0.4897A P:58.68W PF:0.9953 Lamp Flux:4214.59x1 lm		
NAME: ADL 60W ADR4WH 60°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W 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	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	.99	.98	.96	.96	.95	.94	.92
2.0	1.01	.97	.93	.99	.95	.92	.96	.93	.90	.93	.90	.88	.90	.88	.86	.84
3.0	.94	.88	.84	.92	.87	.83	.90	.85	.82	.87	.84	.81	.85	.82	.79	.78
4.0	.87	.81	.77	.86	.81	.76	.84	.79	.76	.82	.78	.75	.80	.77	.74	.72
5.0	.82	.76	.71	.81	.75	.71	.79	.74	.70	.77	.73	.69	.76	.72	.69	.67
6.0	.77	.70	.66	.76	.70	.66	.74	.69	.65	.73	.68	.65	.71	.67	.64	.63
7.0	.72	.66	.61	.71	.66	.61	.70	.65	.61	.69	.64	.61	.68	.63	.60	.59
8.0	.68	.62	.58	.67	.62	.57	.66	.61	.57	.65	.60	.57	.64	.60	.57	.55
9.0	.64	.58	.54	.64	.58	.54	.63	.58	.54	.62	.57	.54	.61	.57	.53	.52
10.0	.61	.55	.51	.60	.55	.51	.60	.54	.51	.59	.54	.51	.58	.54	.51	.49



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:0.4897A P:58.68W PF:0.9953 Lamp Flux:4214.59x1 lm		
NAME: ADL 60W ADR4WH 60°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W 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	.201	.114	.036	.194	.111	.035	.181	.104	.033	.169	.098	.031	.159	.092	.030		
2.0	.189	.104	.032	.183	.101	.031	.172	.096	.030	.162	.091	.029	.153	.087	.027		
3.0	.177	.094	.028	.172	.092	.028	.163	.088	.027	.155	.085	.026	.147	.081	.025		
4.0	.167	.087	.025	.162	.085	.025	.154	.082	.024	.147	.079	.024	.140	.076	.023		
5.0	.157	.080	.023	.153	.079	.023	.146	.076	.022	.140	.074	.022	.134	.071	.021		
6.0	.149	.074	.021	.145	.073	.021	.139	.071	.021	.133	.069	.020	.128	.067	.020		
7.0	.141	.070	.020	.138	.069	.020	.133	.067	.019	.127	.065	.019	.123	.064	.019		
8.0	.134	.065	.018	.131	.065	.018	.127	.063	.018	.122	.062	.018	.118	.060	.018		
9.0	.128	.062	.017	.125	.061	.017	.121	.060	.017	.117	.059	.017	.113	.057	.017		
10.0	.122	.058	.016	.120	.058	.016	.116	.057	.016	.112	.056	.016	.109	.055	.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	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.174	.158	.144	.149	.136	.124	.102	.093	.086	.059	.054	.050	.019	.017	.016	
2.0	.160	.133	.111	.137	.115	.096	.094	.079	.067	.054	.046	.039	.017	.015	.013	
3.0	.148	.115	.088	.127	.099	.077	.087	.069	.054	.050	.040	.032	.016	.013	.010	
4.0	.137	.100	.072	.118	.087	.062	.081	.060	.044	.047	.035	.026	.015	.011	.009	
5.0	.129	.089	.059	.111	.077	.051	.076	.054	.036	.044	.031	.022	.014	.010	.007	
6.0	.121	.079	.049	.104	.069	.043	.072	.048	.030	.042	.028	.018	.013	.009	.006	
7.0	.115	.072	.042	.099	.062	.037	.068	.044	.026	.040	.026	.015	.013	.008	.005	
8.0	.109	.066	.036	.094	.057	.032	.065	.040	.022	.038	.024	.013	.012	.008	.004	
9.0	.103	.061	.032	.089	.053	.028	.062	.037	.020	.036	.022	.012	.012	.007	.004	
10.0	.099	.056	.028	.085	.049	.024	.059	.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:2018-06-01

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:0.4897A P:58.68W PF:0.9953 Lamp Flux:4214.59x1 lm										
NAME: ADL 60W ADR4WH 60°					TYPE:LED			WEIGHT:		
SPEC.:ADL 60W 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	10.2	11.2	10.4	11.4	11.6	10.3	11.3	10.5	11.5	11.6
3H	11.2	12.1	11.4	12.3	12.5	11.2	12.2	11.5	12.4	12.6
4H	11.7	12.6	12.0	12.8	13.0	11.8	12.6	12.0	12.9	13.1
6H	12.1	13.0	12.4	13.2	13.5	12.2	13.0	12.5	13.3	13.5
8H	12.3	13.1	12.6	13.4	13.6	12.4	13.2	12.7	13.4	13.7
12H	12.4	13.2	12.7	13.5	13.7	12.5	13.3	12.8	13.6	13.8
4H 2H	10.5	11.4	10.8	11.6	11.8	10.5	11.4	10.8	11.7	11.9
3H	11.7	12.5	12.1	12.8	13.1	11.8	12.6	12.1	12.8	13.1
4H	12.4	13.1	12.8	13.4	13.7	12.5	13.2	12.8	13.5	13.8
6H	13.0	13.6	13.4	14.0	14.3	13.1	13.7	13.5	14.1	14.4
8H	13.3	13.8	13.7	14.2	14.6	13.3	13.9	13.7	14.3	14.6
12H	13.4	14.0	13.8	14.3	14.7	13.5	14.1	13.9	14.4	14.8
8H 4H	12.7	13.3	13.1	13.6	14.0	12.7	13.3	13.1	13.7	14.0
6H	13.5	13.9	13.9	14.3	14.7	13.5	14.0	13.9	14.4	14.8
8H	13.8	14.2	14.2	14.6	15.1	13.9	14.3	14.3	14.7	15.1
12H	14.0	14.4	14.5	14.8	15.3	14.1	14.5	14.6	14.9	15.4
12H 4H	12.7	13.2	13.1	13.6	14.0	12.8	13.3	13.2	13.7	14.1
6H	13.5	13.9	14.0	14.4	14.8	13.6	14.0	14.0	14.4	14.9
8H	13.9	14.3	14.4	14.7	15.2	14.0	14.3	14.4	14.8	15.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.8 / - 0.4					+ 0.9 / - 0.4				
1.5H	+ 1.7 / - 0.5					+ 1.8 / - 0.5				
2.0H	+ 0.1 / - 0.4					+ 0.1 / - 0.4				

CIE Pub.117 Corrected 4215 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.0)

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:0.4897A P:58.68W PF:0.9953 Lamp Flux:4214.59x1 lm		
NAME: ADL 60W ADR4WH 60°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W 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) $k(RI) \times RCR = 5$									
$k = 0.60$	84	77	73	83	77	72	82	76	72	68
0.80	91	85	80	90	84	80	89	84	80	76
1.00	96	90	85	95	89	85	93	89	85	80
1.25	100	94	90	99	94	90	97	92	89	84
1.50	103	98	94	102	97	93	99	95	92	87
2.00	106	101	98	105	100	97	102	98	95	90
2.50	108	104	100	107	103	100	103	100	98	91
3.00	110	106	103	108	105	102	105	102	100	93
4.00	113	109	107	110	108	105	107	104	103	95
5.00	114	111	109	112	109	108	108	106	104	97
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:0.4897A P:58.68W PF:0.9953 Lamp Flux:4214.59x1 lm		
NAME: ADL 60W ADR4WH 60°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W ADR4WH 60°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

3755.7 lm

%lum = 89.1%

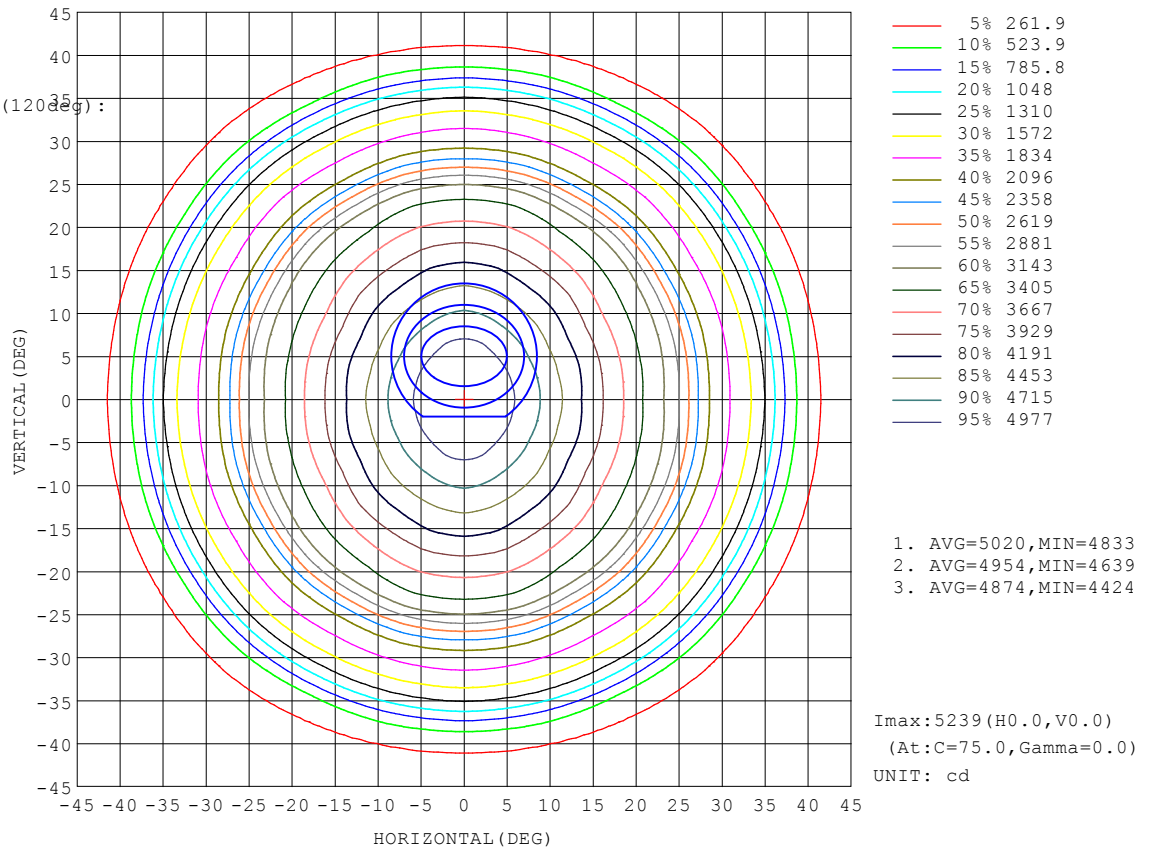
%lamp = 89.1%

Conical surface Flux(120deg):

3981 lm

%lum = 94.5%

%lamp = 94.5%

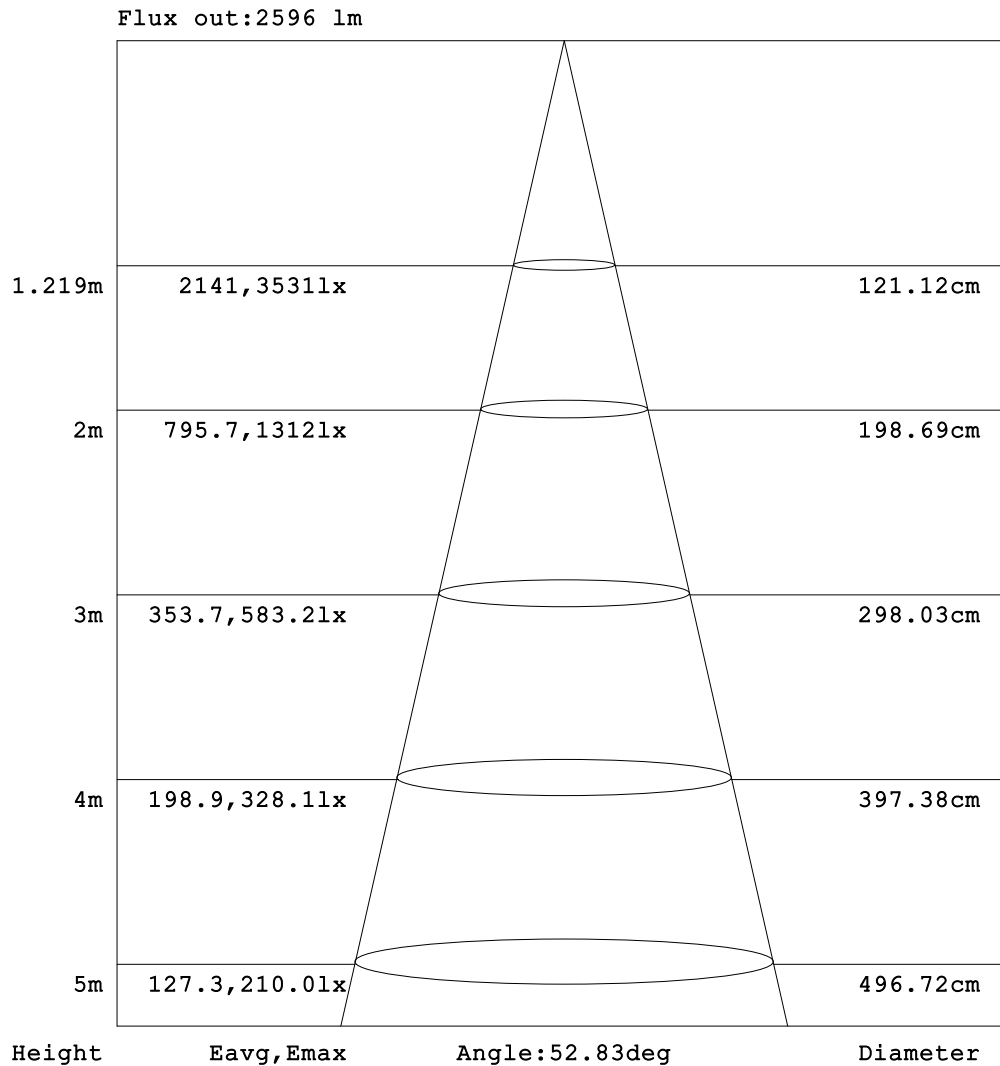


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-06-01

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:0.4897A P:58.68W PF:0.9953 Lamp Flux:4214.59x1 lm		
NAME: ADL 60W ADR4WH 60°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W 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.

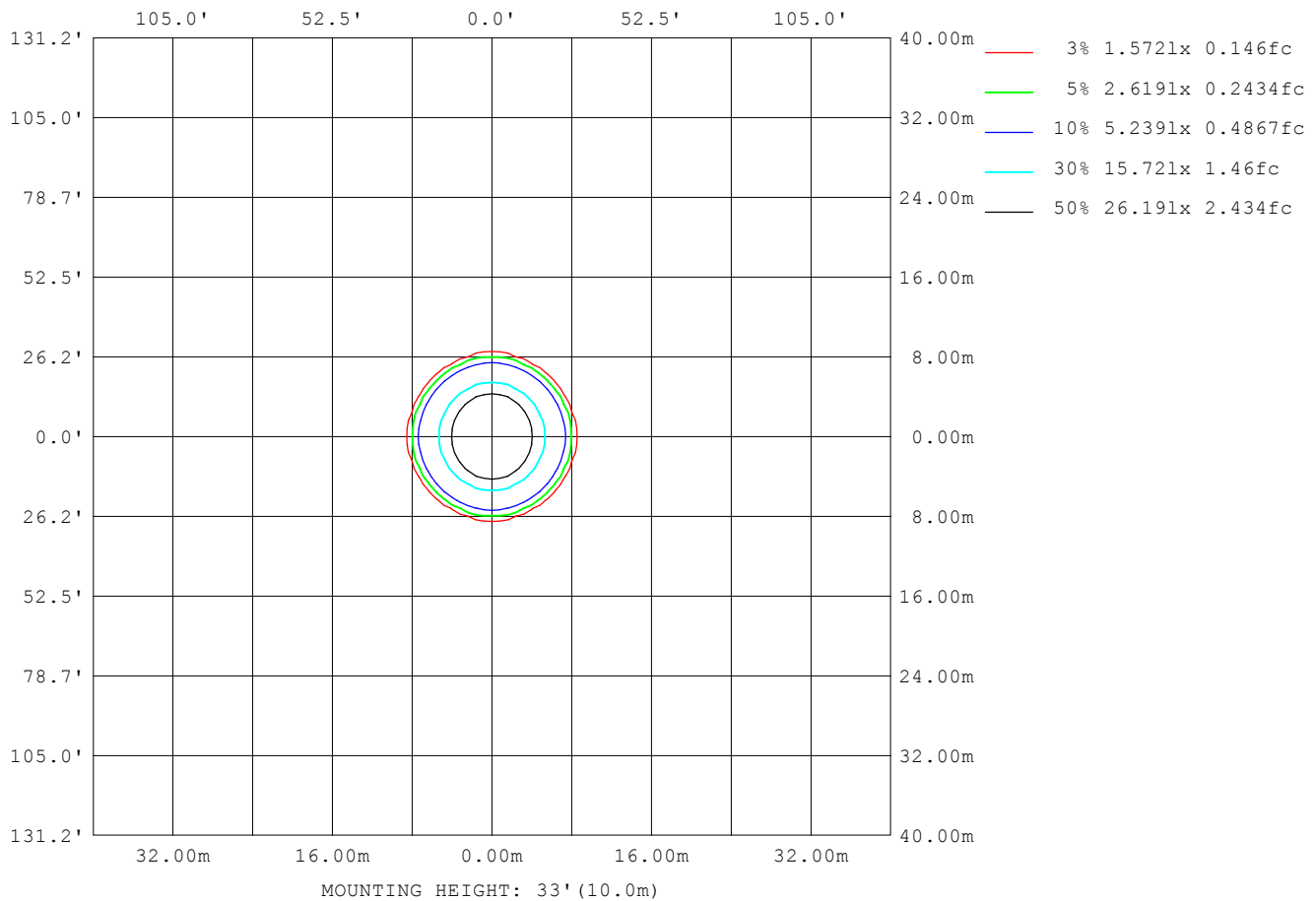
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-06-01

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

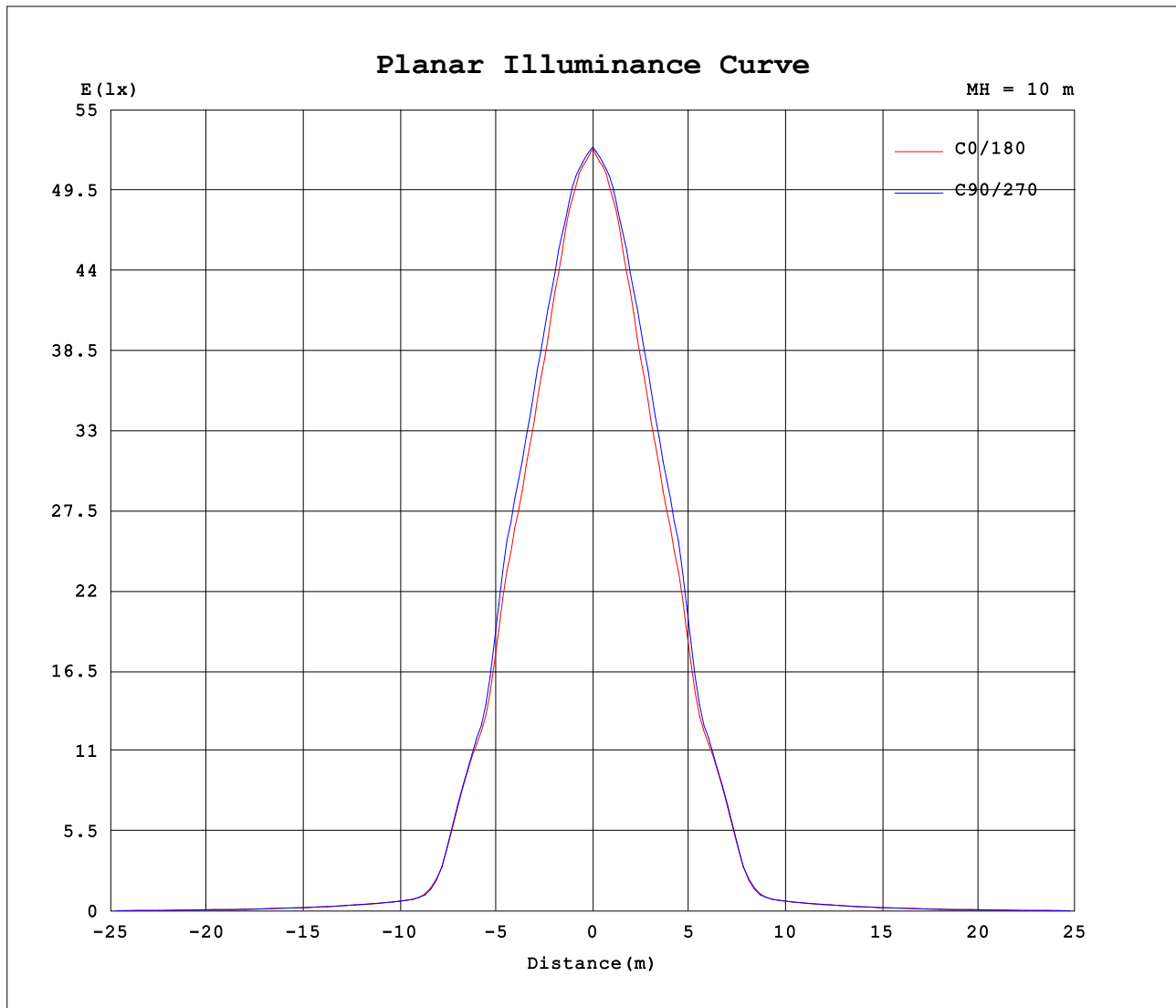
Test:U:120.4V I:0.4897A P:58.68W PF:0.9953 Lamp Flux:4214.59x1 lm		
NAME: ADL 60W ADR4WH 60°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W ADR4WH 60°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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

$\gamma$  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:

### 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:0.4897A P:58.68W PF:0.9953 Lamp Flux:4214.59x1 lm		
NAME: ADL 60W ADR4WH 60°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W 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	5239	5244	5233	5242	5240	5249	5249	5249	5240	5242	5233	5244	5239	5244	5233	5242	5240	5249	5249
5	5035	5034	5047	5045	5057	5087	5105	5087	5057	5045	5047	5034	5035	5034	5047	5045	5057	5087	5105
10	4590	4585	4611	4632	4675	4718	4753	4718	4675	4632	4611	4585	4590	4585	4611	4632	4675	4718	4753
15	4070	4075	4096	4158	4191	4258	4276	4258	4191	4158	4096	4075	4070	4075	4096	4158	4191	4258	4276
20	3484	3530	3541	3621	3668	3747	3729	3747	3668	3621	3541	3530	3484	3530	3541	3621	3668	3747	3729
25	2890	2938	2956	3024	3045	3136	3136	3136	3045	3024	2956	2938	2890	2938	2956	3024	3045	3136	3136
30	1908	1926	1920	1952	1936	1973	1970	1973	1936	1952	1920	1926	1908	1926	1920	1952	1936	1973	1970
35	1304	1274	1247	1258	1253	1303	1335	1303	1253	1258	1247	1274	1304	1274	1247	1258	1253	1303	1335
40	362	343	322	321	312	322	342	322	312	321	322	343	362	343	322	321	312	322	342
45	199	201	203	204	204	203	200	203	204	204	203	201	199	201	203	204	204	203	200
50	181	183	184	185	185	184	182	184	185	185	184	183	181	183	184	185	185	184	182
55	163	165	166	167	166	166	164	166	166	167	166	165	163	165	166	167	166	166	164
60	142	144	145	146	146	145	143	145	146	146	145	144	142	144	145	146	146	145	143
65	121	123	123	124	124	123	122	123	124	124	123	123	121	123	123	124	124	123	122
70	98.6	100	101	102	101	101	99.3	101	101	102	101	100	98.6	100	101	102	101	101	99.3
75	74.4	75.8	76.2	77.0	76.8	76.8	75.4	76.8	76.8	77.0	76.2	75.8	74.4	75.8	76.2	77.0	76.8	76.8	75.4
80	49.0	50.1	50.4	51.1	51.0	51.2	50.2	51.2	51.0	51.1	50.4	50.1	49.0	50.1	50.4	51.1	51.0	51.2	50.2
85	22.7	23.5	23.7	24.4	24.3	24.7	24.1	24.7	24.3	24.4	23.7	23.5	22.7	23.5	23.7	24.4	24.3	24.7	24.1
90	0.01	0.00	0.02	0.00	0.04	0.00	0.01	0.00	0.04	0.00	0.02	0.00	0.01	0.00	0.02	0.00	0.04	0.00	0.01
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	0.01	0.05	0.04	0.05	0.03	0.05	0.02	0.05	0.03	0.05	0.04	0.05	0.01	0.05	0.04	0.05	0.03	0.05	0.02
115	0.18	0.22	0.18	0.23	0.18	0.22	0.17	0.22	0.18	0.23	0.18	0.22	0.18	0.22	0.18	0.23	0.18	0.22	0.17
120	0.40	0.44	0.42	0.44	0.40	0.42	0.38	0.42	0.40	0.44	0.42	0.44	0.40	0.44	0.42	0.44	0.40	0.42	0.38
125	0.65	0.69	0.68	0.70	0.65	0.68	0.63	0.68	0.65	0.70	0.68	0.69	0.65	0.69	0.68	0.70	0.65	0.68	0.63
130	0.96	0.99	1.00	1.02	0.98	0.99	0.95	0.99	0.98	1.02	1.00	0.99	0.96	0.99	1.00	1.02	0.98	0.99	0.95
135	1.33	1.34	1.35	1.35	1.33	1.33	1.29	1.33	1.33	1.35	1.35	1.34	1.33	1.34	1.35	1.35	1.33	1.33	1.29
140	1.66	1.69	1.68	1.71	1.66	1.67	1.63	1.67	1.66	1.71	1.68	1.69	1.66	1.69	1.68	1.71	1.66	1.67	1.63
145	2.01	2.01	2.01	2.03	2.00	2.00	1.96	2.00	2.00	2.03	2.01	2.01	2.01	2.01	2.01	2.03	2.00	2.00	1.96
150	2.27	2.27	2.27	2.29	2.26	2.25	2.23	2.25	2.26	2.29	2.27	2.27	2.27	2.27	2.27	2.29	2.26	2.25	2.23
155	2.46	2.46	2.48	2.48	2.46	2.47	2.45	2.47	2.46	2.48	2.48	2.46	2.46	2.46	2.48	2.48	2.46	2.47	2.45
160	2.60	2.60	2.62	2.61	2.59	2.61	2.61	2.61	2.59	2.61	2.62	2.60	2.60	2.60	2.62	2.61	2.59	2.61	2.61
165	2.70	2.70	2.68	2.69	2.71	2.73	2.72	2.73	2.71	2.69	2.68	2.70	2.70	2.70	2.68	2.69	2.71	2.73	2.72
170	2.77	2.77	2.78	2.79	2.81	2.81	2.79	2.81	2.81	2.79	2.78	2.77	2.77	2.77	2.78	2.79	2.81	2.81	2.79
175	2.87	2.87	2.87	2.90	2.91	2.87	2.87	2.87	2.91	2.90	2.87	2.87	2.87	2.87	2.87	2.90	2.91	2.87	2.87
180	2.92	2.92	2.93	2.93	2.93	2.91	2.91	2.91	2.93	2.93	2.93	2.92	2.92	2.92	2.93	2.93	2.93	2.91	2.91

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:0.4897A P:58.68W PF:0.9953 Lamp Flux:4214.59x1 lm		
NAME: ADL 60W ADR4WH 60°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W 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	5249	5240	5242	5233	5244														
5	5087	5057	5045	5047	5034														
10	4718	4675	4632	4611	4585														
15	4258	4191	4158	4096	4075														
20	3747	3668	3621	3541	3530														
25	3136	3045	3024	2956	2938														
30	1973	1936	1952	1920	1926														
35	1303	1253	1258	1247	1274														
40	322	312	321	322	343														
45	203	204	204	203	201														
50	184	185	185	184	183														
55	166	166	167	166	165														
60	145	146	146	145	144														
65	123	124	124	123	123														
70	101	101	102	101	100														
75	76.8	76.8	77.0	76.2	75.8														
80	51.2	51.0	51.1	50.4	50.1														
85	24.7	24.3	24.4	23.7	23.5														
90	0.00	0.04	0.00	0.02	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	0.05	0.03	0.05	0.04	0.05														
115	0.22	0.18	0.23	0.18	0.22														
120	0.42	0.40	0.44	0.42	0.44														
125	0.68	0.65	0.70	0.68	0.69														
130	0.99	0.98	1.02	1.00	0.99														
135	1.33	1.33	1.35	1.35	1.34														
140	1.67	1.66	1.71	1.68	1.69														
145	2.00	2.00	2.03	2.01	2.01														
150	2.25	2.26	2.29	2.27	2.27														
155	2.47	2.46	2.48	2.48	2.46														
160	2.61	2.59	2.61	2.62	2.60														
165	2.73	2.71	2.69	2.68	2.70														
170	2.81	2.81	2.79	2.78	2.77														
175	2.87	2.91	2.90	2.87	2.87														
180	2.91	2.93	2.93	2.93	2.92														

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: