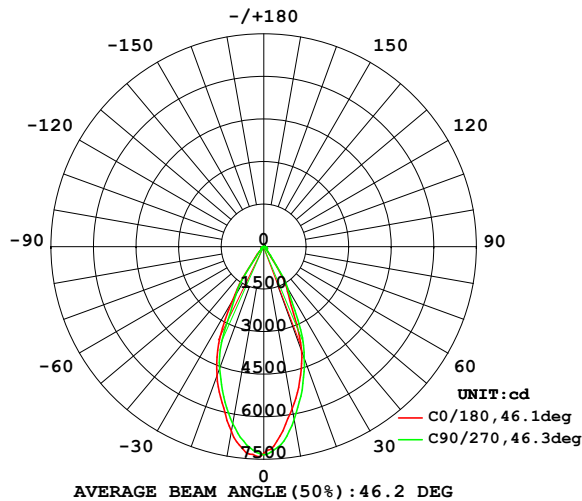


## LUMINAIRE PHOTOMETRIC TEST REPORT

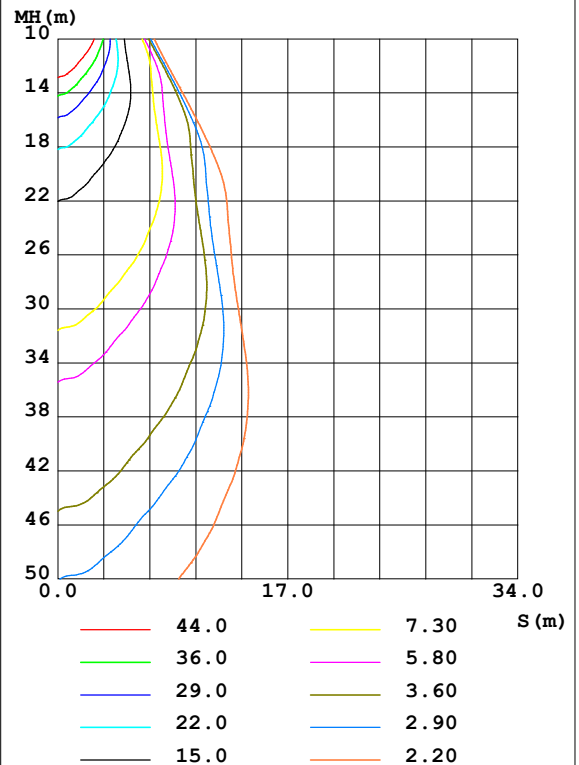
Test:U:120.4V I:0.4905A P:58.76W PF:0.9952 Lamp Flux:4430.24x1 lm		
NAME: ADL 60W ADR6WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W ADR6WH 40°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 75.40 lm/W			
MODEL		I <sub>max</sub> (cd)	7413	S/MH (C0/180)	0.77
NOMINAL POWER(W)	60	LOR(%)	100.0	S/MH (C90/270)	0.72
RATED VOLTAGE(V)	120-277	TOTAL FLUX (lm)	4430.2	η UP,DN (C0-180)	0.1,48.1
NOMINAL FLUX(lm)	4430.24	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.1,51.8
LAMPS INSIDE	1	η up (%)	0.1	CIBSE SHR NOM	0.75
TEST VOLTAGE (V)	120	η down (%)	99.9	CIBSE SHR MAX	0.75

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:2018-05-31

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	5790	5889	6179	6532	6613	6597	6333	5985	0- 10	642.6	642.6	14.5
20	3897	3943	4185	4604	4826	4786	4557	4213	10- 20	1481	2123	47.9
30	1566	1571	1677	1947	2241	2203	2004	1733	20- 30	1393	3516	79.4
40	199.9	203.5	215.4	276.5	351.6	308.2	245.9	207.5	30- 40	535.9	4052	91.5
50	122.6	125.3	127.1	125.8	123.2	121.1	120.6	121.0	40- 50	121.7	4174	94.2
60	93.86	96.86	99.50	99.18	97.08	95.01	93.87	92.92	50- 60	98.32	4272	96.4
70	65.07	67.60	70.25	70.83	69.41	67.48	66.05	64.75	60- 70	81.26	4353	98.3
80	30.91	32.21	35.12	37.57	37.85	36.63	34.74	32.20	70- 80	54.55	4408	99.5
90	0	0	0	0	1.158	0.7999	0	0	80- 90	17.39	4425	99.9
100	0	0	0	0	0	0	0	0	90-100	0.0134	4425	99.9
110	0	0	0	0	0	0	0	0	100-110	0	4425	99.9
120	0.2170	0.2558	0.1787	0.1468	0.1726	0.1275	0.2303	0.2674	110-120	0.0529	4425	99.9
130	0.8162	0.8681	0.7330	0.6639	0.7027	0.6762	0.8112	0.8799	120-130	0.4089	4426	99.9
140	1.640	1.648	1.512	1.405	1.487	1.486	1.621	1.736	130-140	0.8854	4427	99.9
150	2.373	2.363	2.291	2.151	2.317	2.297	2.394	2.514	140-150	1.227	4428	99.9
160	2.776	2.751	2.763	2.661	2.840	2.833	2.911	2.916	150-160	1.200	4429	100
170	2.853	2.878	2.904	2.853	2.968	2.968	2.980	2.955	160-170	0.8141	4430	100
180	3.019	3.038	3.012	3.006	3.012	3.032	3.006	3.019	170-180	0.2817	4430	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

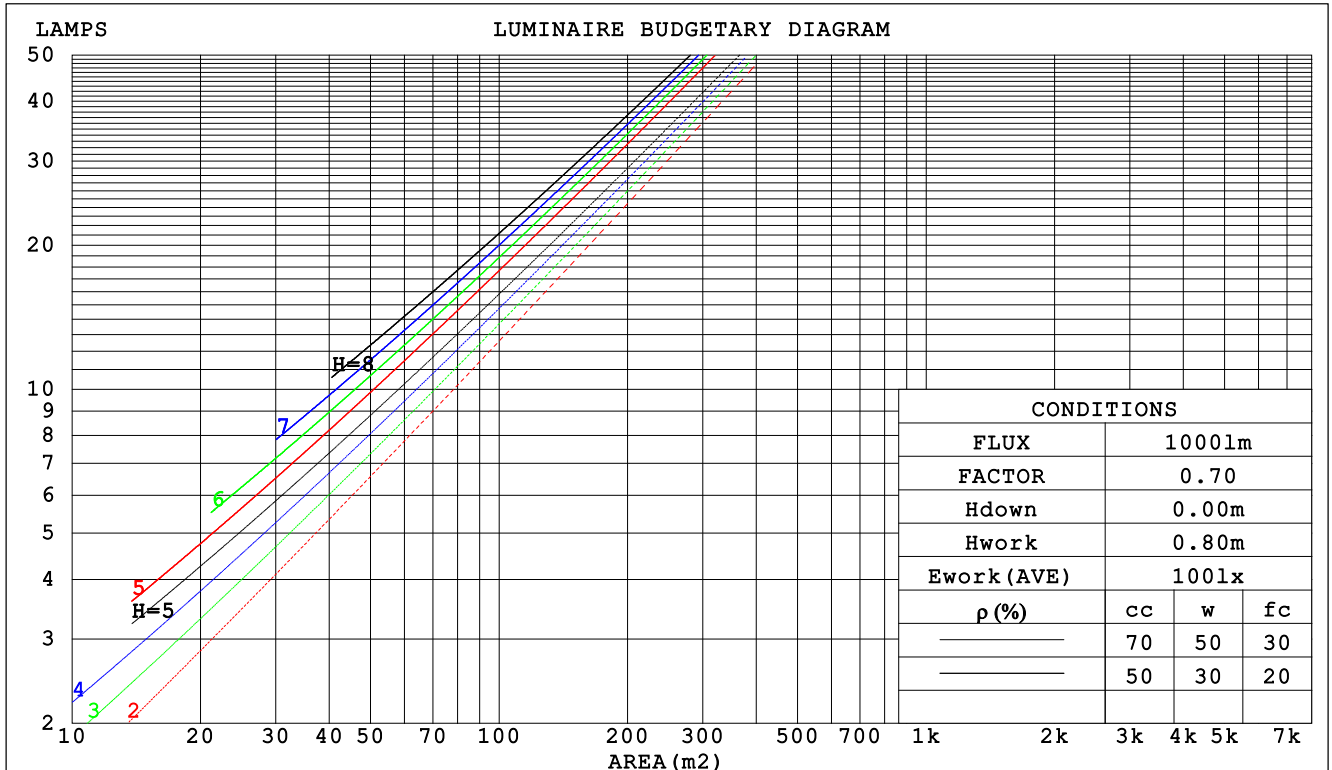
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-31

$\gamma$  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:0.4905A P:58.76W PF:0.9952 Lamp Flux:4430.24x1 lm		
NAME: ADL 60W ADR6WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W ADR6WH 40°	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	1.11	1.08	1.06	1.08	1.06	1.04	1.04	1.02	1.01	1.01	.99	.98	.97	.96	.95	.93
2.0	1.03	.99	.96	1.01	.98	.94	.98	.95	.92	.95	.93	.90	.92	.90	.89	.87
3.0	.96	.92	.88	.95	.91	.87	.92	.89	.85	.90	.87	.84	.88	.85	.83	.81
4.0	.91	.85	.81	.89	.84	.81	.87	.83	.80	.85	.82	.79	.83	.80	.78	.76
5.0	.85	.80	.76	.84	.79	.75	.83	.78	.75	.81	.77	.74	.79	.76	.73	.72
6.0	.81	.75	.71	.80	.75	.71	.78	.74	.70	.77	.73	.70	.76	.72	.69	.68
7.0	.77	.71	.67	.76	.70	.67	.75	.70	.66	.73	.69	.66	.72	.68	.66	.64
8.0	.73	.67	.63	.72	.67	.63	.71	.66	.63	.70	.66	.62	.69	.65	.62	.61
9.0	.69	.64	.60	.69	.63	.60	.68	.63	.60	.67	.63	.59	.66	.62	.59	.58
10.0	.66	.61	.57	.66	.60	.57	.65	.60	.57	.64	.60	.57	.63	.59	.56	.55



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-31

$\gamma$  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:0.4905A P:58.76W PF:0.9952 Lamp Flux:4430.24x1 lm					
NAME: ADL 60W ADR6WH 40°			TYPE:LED		WEIGHT:
SPEC.:ADL 60W ADR6WH 40°			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	.182	.104	.033	.175	.100	.032	.163	.093	.030	.151	.087	.028	.140	.081	.026		
2.0	.171	.094	.029	.165	.091	.028	.155	.086	.027	.145	.081	.025	.136	.077	.024		
3.0	.161	.085	.026	.156	.083	.025	.147	.080	.024	.138	.076	.023	.131	.072	.022		
4.0	.151	.079	.023	.147	.077	.023	.139	.074	.022	.132	.071	.021	.125	.068	.021		
5.0	.143	.073	.021	.139	.071	.021	.132	.069	.020	.126	.067	.020	.120	.064	.019		
6.0	.135	.068	.019	.132	.067	.019	.126	.065	.019	.121	.063	.018	.116	.061	.018		
7.0	.129	.064	.018	.126	.063	.018	.121	.061	.018	.116	.059	.017	.111	.058	.017		
8.0	.123	.060	.017	.120	.059	.017	.116	.058	.016	.111	.056	.016	.107	.055	.016		
9.0	.117	.057	.016	.115	.056	.016	.111	.055	.016	.107	.054	.015	.103	.052	.015		
10.0	.112	.054	.015	.110	.053	.015	.106	.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	.172	.158	.145	.147	.136	.125	.101	.093	.086	.058	.054	.050	.019	.017	.016	
2.0	.157	.133	.113	.134	.115	.098	.092	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.144	.114	.091	.124	.099	.079	.085	.069	.055	.049	.040	.032	.016	.013	.011	
4.0	.134	.100	.074	.115	.086	.064	.079	.060	.045	.046	.035	.027	.015	.011	.009	
5.0	.124	.088	.061	.107	.076	.053	.074	.053	.038	.043	.031	.022	.014	.010	.007	
6.0	.117	.079	.051	.100	.068	.045	.069	.048	.032	.040	.028	.019	.013	.009	.006	
7.0	.110	.071	.044	.094	.061	.038	.065	.043	.027	.038	.025	.016	.012	.008	.005	
8.0	.104	.065	.038	.089	.056	.033	.062	.039	.023	.036	.023	.014	.012	.008	.005	
9.0	.099	.059	.033	.085	.051	.029	.059	.036	.020	.034	.021	.012	.011	.007	.004	
10.0	.094	.055	.029	.081	.048	.025	.056	.033	.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:2018-05-31

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:0.4905A P:58.76W PF:0.9952 Lamp Flux:4430.24x1 lm										
NAME: ADL 60W ADR6WH 40°					TYPE:LED			WEIGHT:		
SPEC.:ADL 60W ADR6WH 40°					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	6.5	7.4	6.7	7.5	7.7	7.1	8.0	7.3	8.2	8.3
3H	7.7	8.5	7.9	8.7	8.9	8.2	9.0	8.5	9.2	9.5
4H	8.2	9.0	8.5	9.3	9.5	8.8	9.6	9.1	9.8	10.0
6H	8.7	9.5	9.0	9.7	10.0	9.3	10.1	9.6	10.3	10.5
8H	8.9	9.6	9.2	9.9	10.1	9.5	10.2	9.8	10.5	10.7
12H	9.0	9.6	9.3	9.9	10.2	9.6	10.3	9.9	10.6	10.8
4H 2H	6.9	7.7	7.2	7.9	8.1	7.4	8.2	7.7	8.4	8.7
3H	8.3	9.0	8.7	9.3	9.6	8.8	9.5	9.1	9.8	10.0
4H	9.1	9.7	9.4	10.0	10.3	9.5	10.2	9.9	10.5	10.8
6H	9.7	10.3	10.1	10.6	10.9	10.2	10.8	10.6	11.1	11.4
8H	9.9	10.4	10.3	10.8	11.2	10.4	11.0	10.8	11.3	11.7
12H	10.0	10.5	10.4	10.9	11.3	10.6	11.1	11.0	11.4	11.8
8H 4H	9.4	9.9	9.8	10.3	10.6	9.8	10.3	10.2	10.7	11.0
6H	10.1	10.6	10.6	11.0	11.4	10.6	11.0	11.0	11.4	11.8
8H	10.4	10.8	10.9	11.2	11.7	10.9	11.3	11.4	11.7	12.1
12H	10.6	10.9	11.1	11.4	11.8	11.1	11.5	11.6	11.9	12.4
12H 4H	9.4	9.9	9.8	10.3	10.6	9.8	10.3	10.2	10.6	11.0
6H	10.2	10.6	10.7	11.0	11.4	10.6	11.0	11.1	11.4	11.9
8H	10.5	10.8	11.0	11.3	11.8	11.0	11.3	11.5	11.8	12.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.4 / - 0.3				
1.5H	+ 0.4 / - 0.2					+ 0.7 / - 0.2				
2.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				

CIE Pub.117 Corrected 4430 lm Total Lamp Luminous Flux. (8log(F/F0) = 5.2)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-31

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:0.4905A P:58.76W PF:0.9952 Lamp Flux:4430.24x1 lm		
NAME: ADL 60W ADR6WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W ADR6WH 40°	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	80	76	86	80	76	85	79	76	72
0.80	94	88	84	93	87	84	92	87	83	79
1.00	98	92	88	97	92	88	96	92	88	83
1.25	102	97	93	101	96	92	99	95	92	87
1.50	105	100	96	104	99	96	101	97	95	90
2.00	108	103	100	106	102	99	103	100	97	92
2.50	109	105	102	108	104	101	105	102	99	93
3.00	111	107	105	109	106	103	106	103	101	95
4.00	113	110	108	111	109	107	108	105	104	97
5.00	115	112	110	112	110	109	108	107	106	98
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:2018-05-31

$\gamma$  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:0.4905A P:58.76W PF:0.9952 Lamp Flux:4430.24x1 lm		
NAME: ADL 60W ADR6WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W ADR6WH 40°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

4119.7 lm

%lum = 93.0%

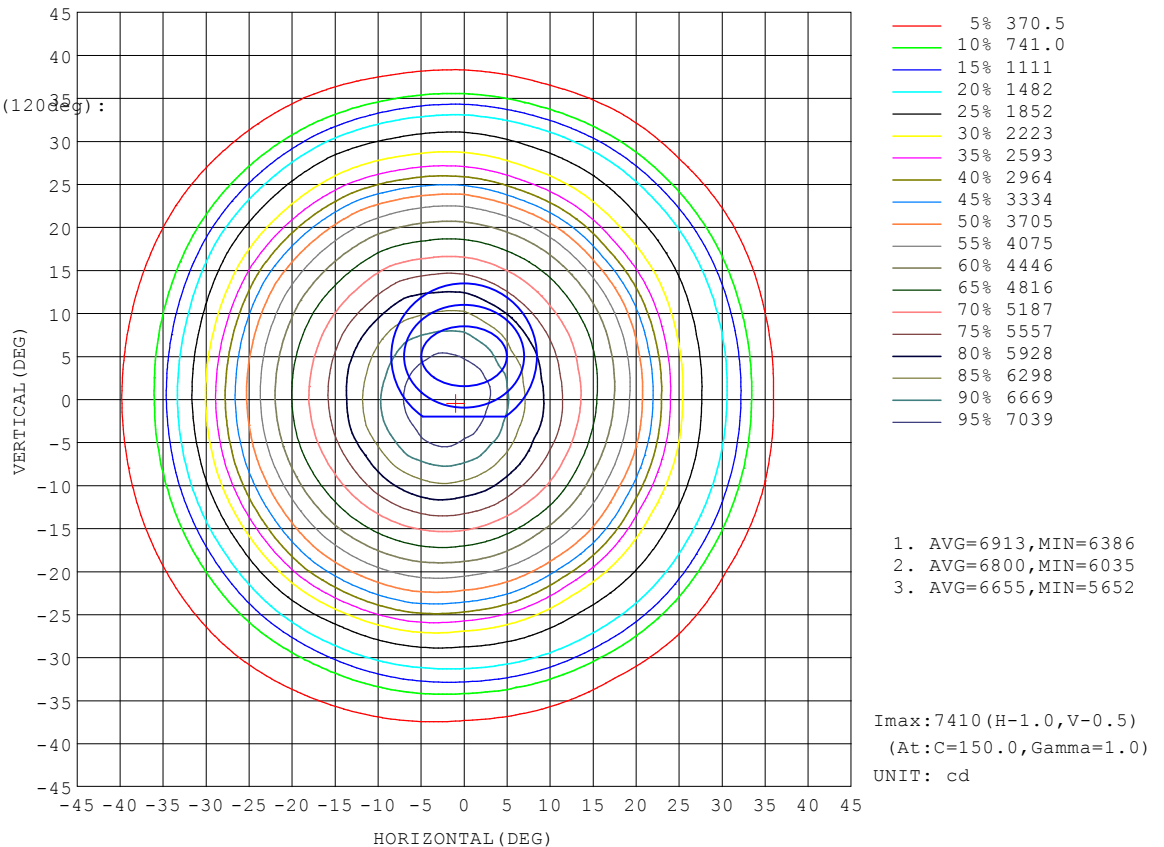
%lamp = 93.0%

Conical surface Flux(120deg):

4272.2 lm

%lum = 96.4%

%lamp = 96.4%

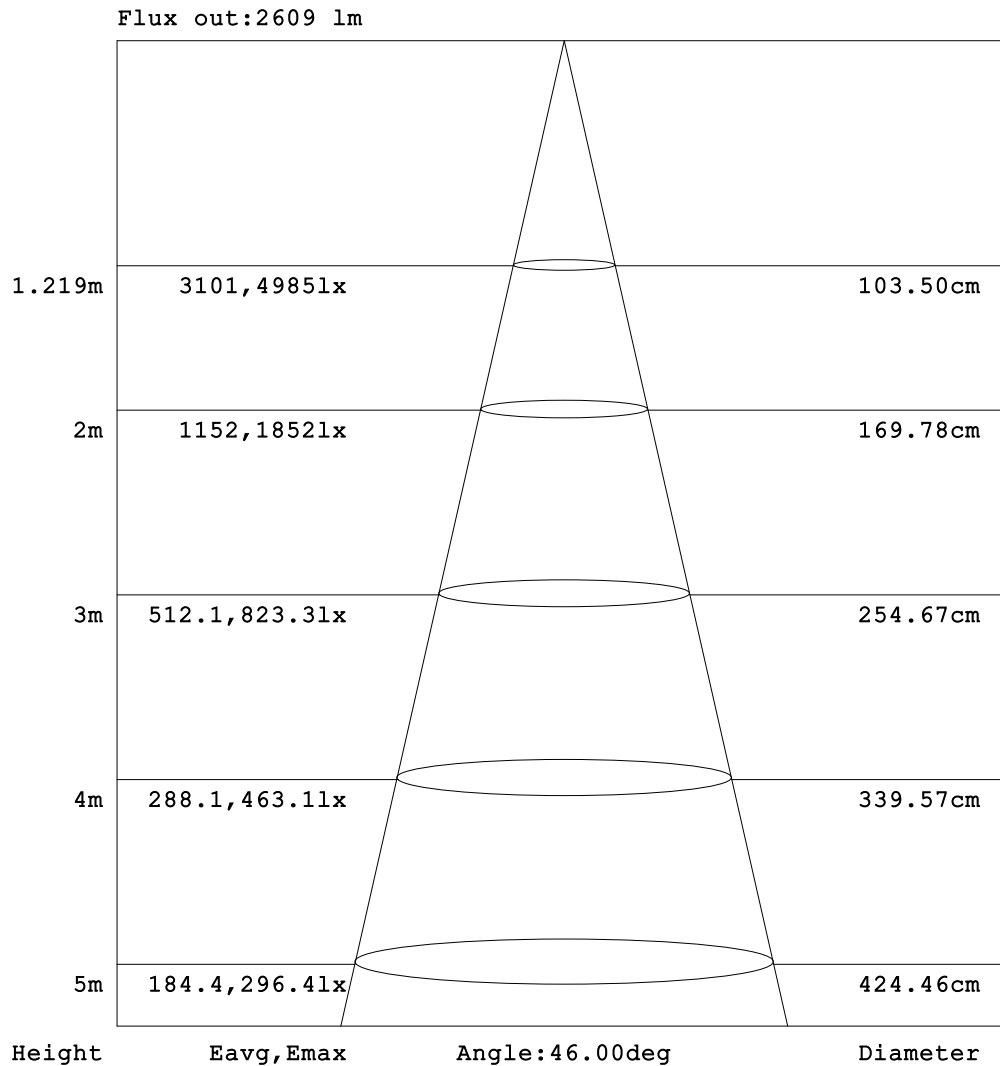


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-31

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:0.4905A P:58.76W PF:0.9952 Lamp Flux:4430.24x1 lm		
NAME: ADL 60W ADR6WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W ADR6WH 40°	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.

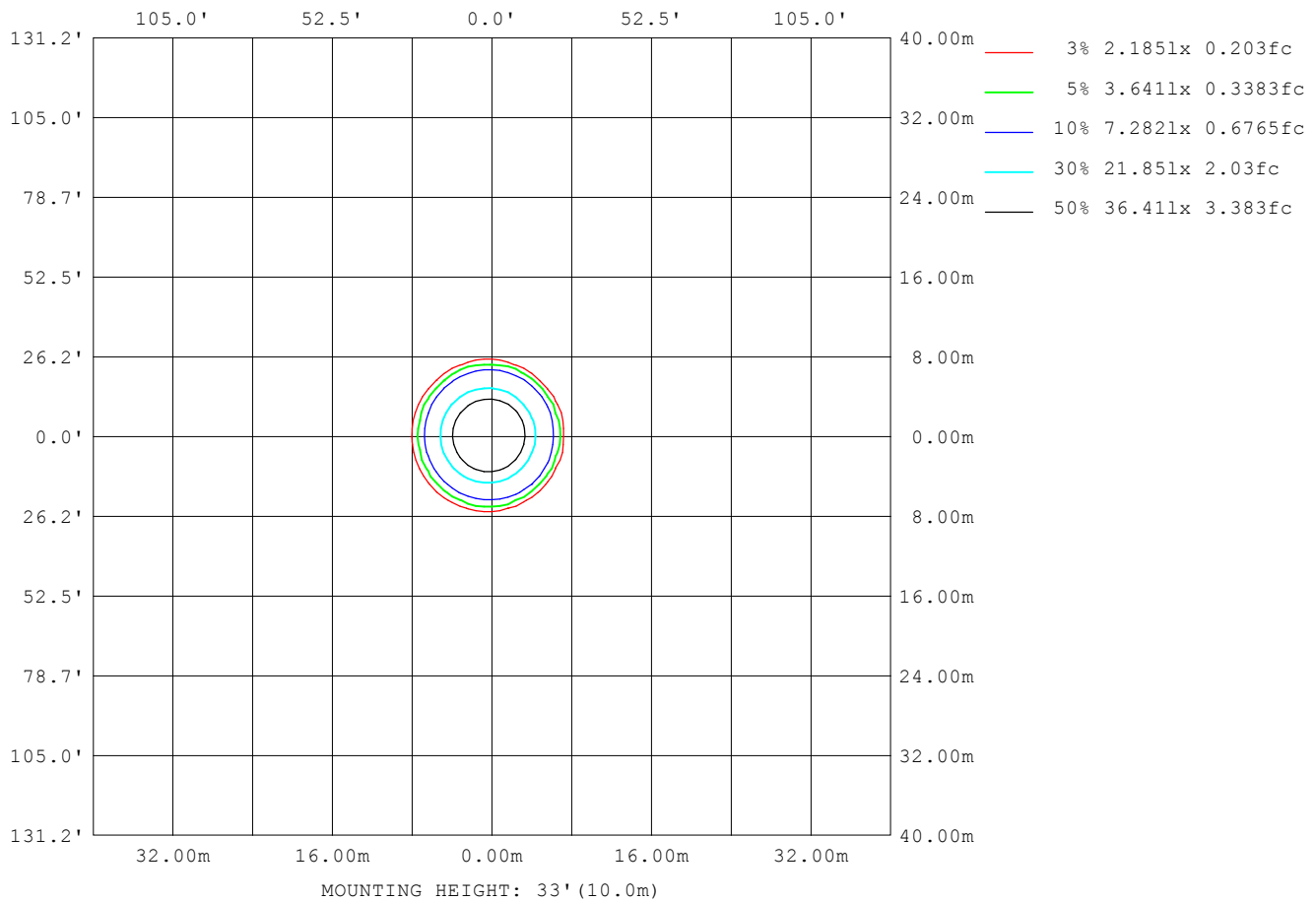
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-31

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

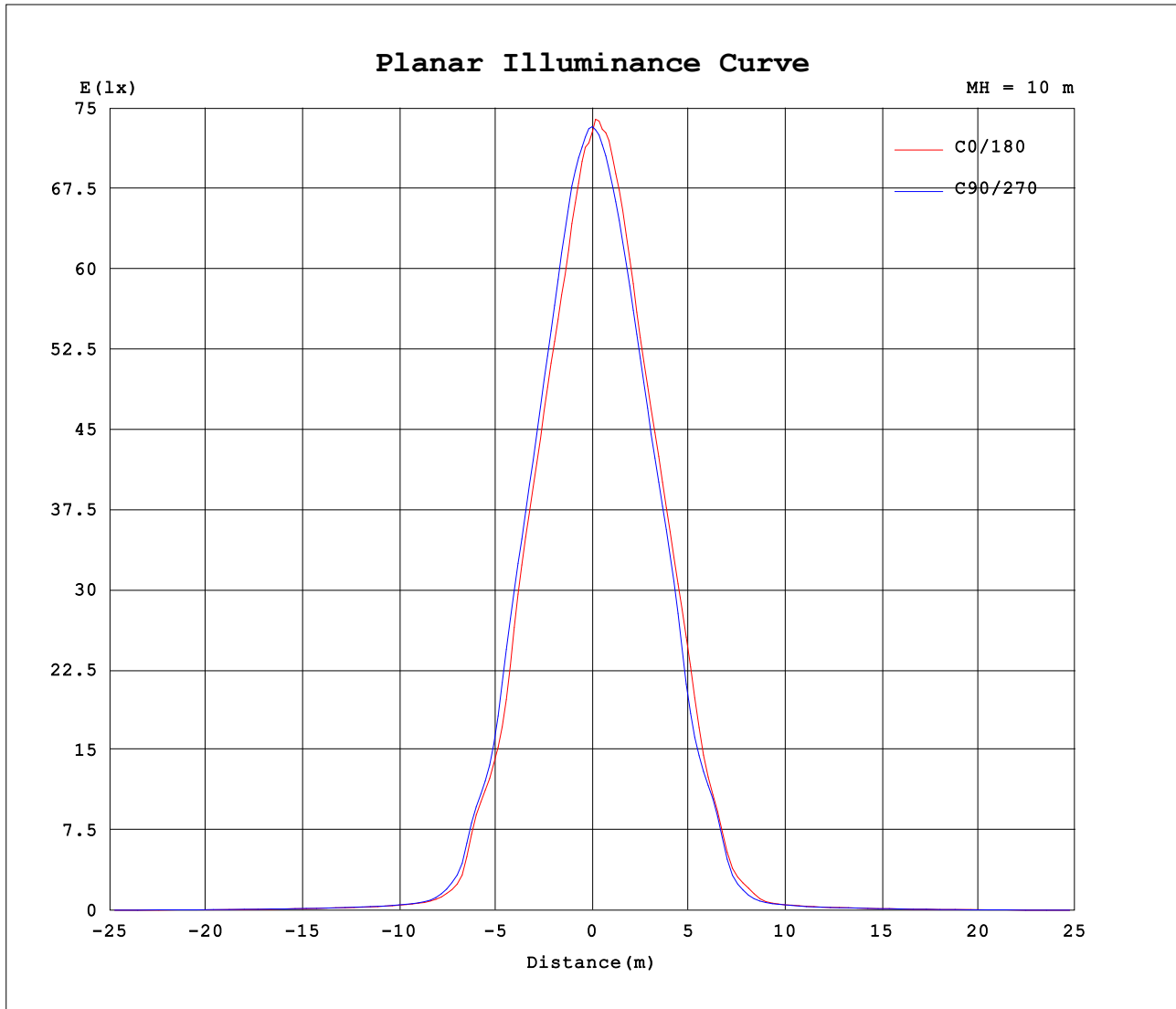
Test:U:120.4V I:0.4905A P:58.76W PF:0.9952 Lamp Flux:4430.24x1 lm		
NAME: ADL 60W ADR6WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W ADR6WH 40°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-31

$\gamma$  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: 2018-05-31

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:0.4905A P:58.76W PF:0.9952 Lamp Flux:4430.24x1 lm		
NAME: ADL 60W ADR6WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W ADR6WH 40°	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	7282	7295	7293	7310	7317	7321	7332	7321	7327	7308	7315	7288	7282	7295	7293	7310	7317	7321	7332
5	6699	6704	6717	6797	6851	6946	7002	7097	7169	7202	7225	7271	7284	7277	7254	7199	7185	7090	7008
10	5790	5807	5824	5889	5966	6085	6179	6327	6406	6532	6554	6615	6613	6582	6599	6597	6470	6392	6333
15	4902	4869	4882	4963	5011	5104	5234	5356	5455	5542	5591	5669	5698	5730	5734	5689	5677	5552	5479
20	3897	3882	3855	3943	3995	4097	4185	4351	4474	4604	4699	4784	4826	4845	4842	4786	4753	4641	4557
25	2308	2313	2288	2367	2453	2678	2865	3143	3315	3507	3593	3706	3782	3811	3850	3761	3689	3464	3283
30	1566	1548	1542	1571	1589	1637	1677	1753	1811	1947	2038	2173	2241	2245	2272	2203	2163	2066	2004
35	449	443	440	465	487	550	604	666	713	798	848	931	995	1038	1088	1065	1046	945	874
40	200	197	196	204	204	211	215	230	244	277	299	336	352	347	335	308	291	260	246
45	142	143	144	146	148	151	153	154	155	156	155	155	154	153	153	152	151	149	150
50	123	124	124	125	126	127	127	127	126	126	125	124	123	122	122	121	121	120	121
55	108	109	110	111	112	113	114	114	113	113	112	111	111	110	109	109	108	108	108
60	93.9	94.7	95.6	96.9	97.9	99.0	99.5	99.8	99.6	99.2	98.4	97.8	97.1	96.2	95.8	95.0	94.7	94.0	93.9
65	79.8	80.7	81.5	82.7	83.7	84.8	85.3	85.7	85.6	85.4	84.6	84.1	83.4	82.6	82.2	81.4	81.0	80.3	80.1
70	65.1	65.8	66.5	67.6	68.5	69.7	70.3	70.9	70.8	70.8	70.3	69.9	69.4	68.7	68.2	67.5	67.1	66.3	66.1
75	48.9	49.4	49.8	50.8	51.6	52.9	53.6	54.5	54.7	55.0	54.6	54.6	54.3	53.7	53.4	52.6	52.3	51.4	51.0
80	30.9	31.1	31.3	32.2	32.9	34.3	35.1	36.3	36.8	37.6	37.6	37.8	37.8	37.4	37.3	36.6	36.2	35.2	34.7
85	11.4	11.4	11.3	12.1	12.7	14.1	15.0	16.4	17.3	18.5	18.8	19.5	19.8	19.6	19.7	19.0	18.6	17.4	16.8
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.68	1.16	1.19	1.34	0.80	0.48	0.04	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	0.03	0.06	0.01	0.05	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.02	0.00	0.04
120	0.22	0.26	0.24	0.26	0.20	0.24	0.18	0.19	0.14	0.15	0.10	0.13	0.17	0.13	0.17	0.13	0.19	0.18	0.23
125	0.48	0.53	0.50	0.53	0.48	0.49	0.42	0.42	0.36	0.38	0.32	0.34	0.41	0.36	0.39	0.36	0.43	0.43	0.50
130	0.82	0.86	0.83	0.87	0.80	0.81	0.73	0.72	0.68	0.66	0.60	0.61	0.70	0.66	0.69	0.68	0.74	0.74	0.81
135	1.22	1.26	1.21	1.26	1.20	1.20	1.10	1.08	1.04	1.01	0.96	0.96	1.06	1.03	1.07	1.06	1.13	1.11	1.19
140	1.64	1.67	1.63	1.65	1.61	1.60	1.51	1.49	1.44	1.40	1.35	1.34	1.49	1.45	1.49	1.49	1.56	1.54	1.62
145	2.03	2.06	2.05	2.04	2.00	1.99	1.93	1.89	1.85	1.79	1.76	1.74	1.92	1.88	1.92	1.91	1.98	1.97	2.03
150	2.37	2.39	2.39	2.36	2.35	2.32	2.29	2.25	2.20	2.15	2.13	2.11	2.32	2.27	2.29	2.30	2.36	2.36	2.39
155	2.62	2.64	2.64	2.61	2.62	2.60	2.58	2.54	2.50	2.45	2.43	2.42	2.63	2.60	2.59	2.62	2.67	2.68	2.71
160	2.78	2.77	2.76	2.75	2.78	2.77	2.76	2.73	2.69	2.66	2.65	2.64	2.84	2.81	2.82	2.83	2.87	2.88	2.91
165	2.82	2.82	2.81	2.80	2.85	2.86	2.87	2.83	2.81	2.77	2.78	2.78	2.96	2.95	2.93	2.94	2.95	2.97	2.99
170	2.85	2.85	2.87	2.88	2.90	2.92	2.90	2.87	2.86	2.85	2.85	2.85	2.97	2.97	2.98	2.97	2.96	2.97	2.98
175	2.94	2.94	2.94	2.97	2.99	2.97	2.95	2.94	2.93	2.94	2.94	2.89	2.99	3.00	3.01	3.01	2.98	2.97	2.98
180	3.02	3.01	3.02	3.04	3.04	3.01	3.01	3.02	2.99	3.01	3.00	2.99	3.01	3.03	3.03	3.03	3.02	3.02	3.01

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-31

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:0.4905A P:58.76W PF:0.9952 Lamp Flux:4430.24x1 lm		
NAME: ADL 60W ADR6WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W ADR6WH 40°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	7321	7327	7308	7315	7288														
5	6939	6879	6785	6772	6708														
10	6182	6092	5985	5904	5804														
15	5355	5232	5126	5057	4974														
20	4453	4353	4213	4104	3994														
25	3007	2841	2620	2526	2387														
30	1897	1829	1733	1673	1611														
35	741	650	556	519	478														
40	226	217	208	205	198														
45	149	148	146	145	143														
50	121	121	121	122	122														
55	107	107	107	107	108														
60	93.4	93.3	92.9	93.3	93.4														
65	79.6	79.4	79.1	79.4	79.4														
70	65.4	65.2	64.8	64.9	64.9														
75	50.3	50.0	49.3	49.2	48.9														
80	33.7	33.1	32.2	31.9	31.3														
85	15.5	14.7	13.4	12.8	11.9														
90	0.01	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	0.02	0.08	0.05	0.09	0.07														
120	0.20	0.26	0.27	0.30	0.29														
125	0.48	0.53	0.54	0.59	0.58														
130	0.79	0.86	0.88	0.93	0.92														
135	1.21	1.26	1.29	1.35	1.34														
140	1.65	1.68	1.74	1.78	1.80														
145	2.05	2.10	2.15	2.20	2.21														
150	2.42	2.48	2.51	2.55	2.56														
155	2.72	2.76	2.76	2.80	2.78														
160	2.92	2.92	2.92	2.92	2.91														
165	3.00	2.99	2.94	2.94	2.93														
170	2.99	2.99	2.95	2.95	2.94														
175	2.99	3.00	2.99	2.97	2.97														
180	3.02	3.01	3.02	2.99	2.99														

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-31

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: