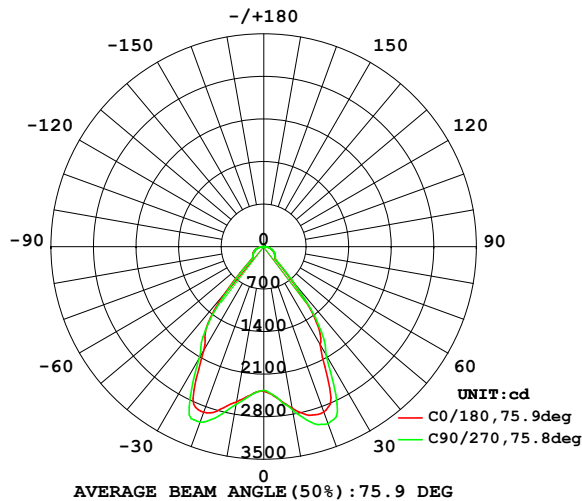


## LUMINAIRE PHOTOMETRIC TEST REPORT

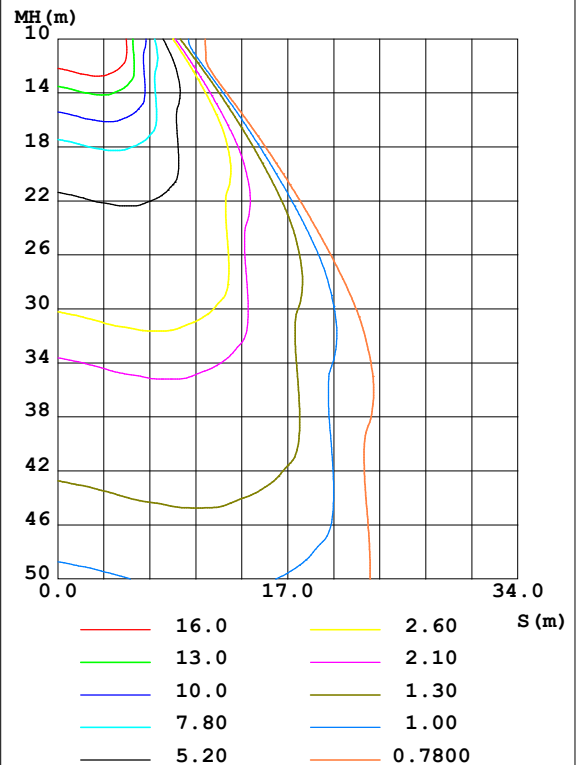
Test:U:120.4V I:0.4911A P:58.86W PF:0.9953 Lamp Flux:4014.07x1 lm		
NAME: ADL 60W ADR4WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W ADR4WH 80°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 68.20 lm/W			
MODEL		I <sub>max</sub> (cd)	3100	S/MH (C0/180)	1.12
NOMINAL POWER(W)	60	LOR(%)	100.0	S/MH (C90/270)	1.11
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	4014.1	η UP,DN(C0-180)	0.1,49.7
NOMINAL FLUX(lm)	4014.07	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,50.2
LAMPS INSIDE	1	η up (%)	0.1	CIBSE SHR NOM	0.75
TEST VOLTAGE (V)	120	η down (%)	99.9	CIBSE SHR MAX	0.80

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	2694	2747	2722	2670	2594	2604	2637	2688	0- 10	242.4	242.4	6.04
20	2894	3025	3100	3042	2897	2996	3073	2965	10- 20	818.3	1061	26.4
30	1860	1962	2061	2066	1984	2113	2129	1941	20- 30	1220	2280	56.8
40	650.6	637.0	721.0	874.5	949.9	938.0	854.0	739.3	30- 40	946.3	3227	80.4
50	242.4	248.2	249.1	244.6	239.0	233.4	234.3	236.4	40- 50	264.5	3491	87
60	197.6	202.8	204.5	202.7	198.4	194.3	193.3	194.3	50- 60	197.4	3688	91.9
70	141.3	144.5	147.6	148.4	146.1	142.2	140.4	139.8	60- 70	170.6	3859	96.1
80	66.53	67.41	70.69	75.12	76.30	74.75	71.90	68.34	70- 80	114.9	3974	99
90	0	0	0.0085	0	1.168	1.134	0.0380	0.0084	80- 90	35.74	4010	99.9
100	0	0	0	0	0	0	0	0	90-100	0.0172	4010	99.9
110	0.1148	0.1597	0.1084	0.1216	0.1022	0.0889	0.1086	0.0893	100-110	0.0269	4010	99.9
120	0.4718	0.5045	0.4785	0.4473	0.4091	0.3885	0.4600	0.4211	110-120	0.2616	4010	99.9
130	0.8998	0.9324	0.9120	0.8751	0.8493	0.8295	0.9195	0.8991	120-130	0.5875	4010	99.9
140	1.378	1.398	1.372	1.347	1.328	1.308	1.391	1.391	130-140	0.8666	4011	99.9
150	1.787	1.787	1.774	1.743	1.762	1.736	1.787	1.800	140-150	0.9841	4012	100
160	2.087	2.068	2.055	2.042	2.068	2.023	2.087	2.061	150-160	0.8870	4013	100
170	2.386	2.400	2.387	2.356	2.362	2.349	2.362	2.380	160-170	0.6218	4014	100
180	2.604	2.617	2.598	2.604	2.604	2.617	2.604	2.604	170-180	0.2363	4014	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

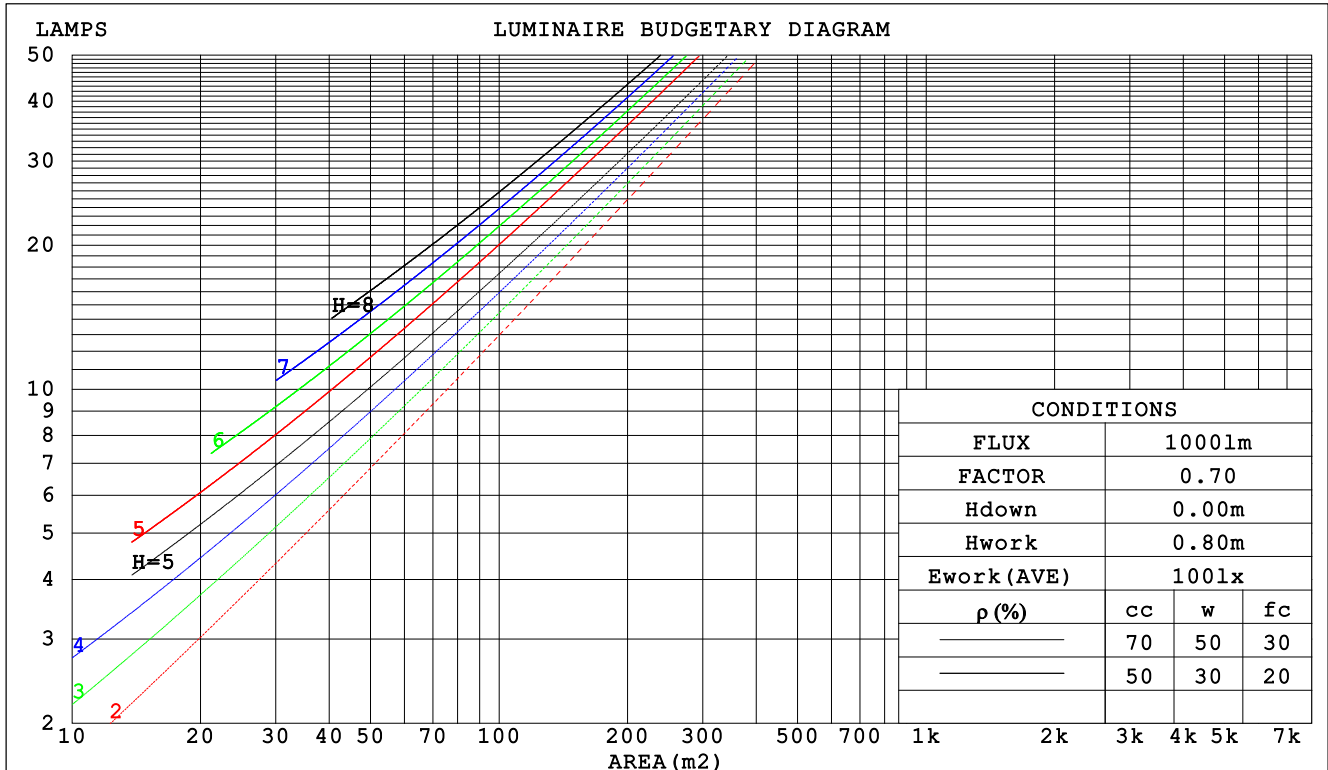
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-06-01

$\gamma$  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:0.4911A P:58.86W PF:0.9953 Lamp Flux:4014.07x1 lm		
NAME: ADL 60W ADR4WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W ADR4WH 80°	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	1.08	1.05	1.02	1.06	1.03	1.01	1.02	.99	.97	.98	.96	.94	.95	.93	.92	.90
2.0	.99	.94	.89	.97	.92	.88	.93	.90	.86	.90	.87	.84	.87	.85	.83	.81
3.0	.90	.84	.79	.89	.83	.79	.86	.81	.77	.83	.79	.76	.81	.78	.75	.73
4.0	.83	.76	.71	.82	.76	.71	.79	.74	.70	.77	.73	.69	.75	.71	.68	.66
5.0	.77	.70	.65	.76	.69	.64	.74	.68	.64	.72	.67	.63	.70	.66	.62	.61
6.0	.71	.64	.59	.70	.64	.59	.69	.63	.58	.67	.62	.58	.66	.61	.57	.56
7.0	.66	.59	.54	.65	.59	.54	.64	.58	.54	.63	.57	.53	.61	.57	.53	.51
8.0	.62	.55	.50	.61	.54	.50	.60	.54	.50	.59	.53	.49	.58	.53	.49	.48
9.0	.58	.51	.46	.57	.51	.46	.56	.50	.46	.55	.50	.46	.54	.49	.46	.44
10.0	.54	.47	.43	.54	.47	.43	.53	.47	.43	.52	.46	.43	.51	.46	.43	.41



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:0.4911A P:58.86W PF:0.9953 Lamp Flux:4014.07x1 lm		
NAME: ADL 60W ADR4WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W ADR4WH 80°	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	.226	.129	.041	.219	.125	.040	.206	.118	.038	.194	.112	.036	.184	.106	.034		
2.0	.213	.117	.036	.207	.114	.035	.196	.109	.034	.186	.104	.033	.177	.100	.032		
3.0	.200	.106	.032	.195	.104	.031	.185	.100	.031	.177	.097	.030	.168	.093	.029		
4.0	.188	.098	.029	.183	.096	.028	.175	.093	.028	.167	.090	.027	.160	.087	.026		
5.0	.177	.090	.026	.173	.089	.026	.165	.086	.025	.159	.084	.025	.152	.081	.024		
6.0	.167	.084	.024	.163	.082	.024	.157	.080	.023	.151	.078	.023	.145	.076	.023		
7.0	.158	.078	.022	.155	.077	.022	.149	.075	.022	.143	.074	.021	.138	.072	.021		
8.0	.150	.073	.021	.147	.072	.020	.142	.071	.020	.137	.069	.020	.132	.068	.020		
9.0	.142	.069	.019	.140	.068	.019	.135	.067	.019	.131	.066	.019	.127	.064	.019		
10.0	.135	.065	.018	.133	.064	.018	.129	.063	.018	.125	.062	.018	.121	.061	.018		

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	.175	.158	.142	.150	.135	.122	.103	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.163	.133	.108	.139	.115	.094	.095	.079	.065	.055	.046	.038	.018	.015	.012	
3.0	.152	.115	.085	.130	.099	.074	.089	.069	.052	.052	.040	.030	.017	.013	.010	
4.0	.143	.100	.068	.122	.087	.059	.084	.061	.042	.049	.035	.025	.016	.012	.008	
5.0	.134	.089	.056	.115	.077	.049	.080	.054	.034	.046	.032	.020	.015	.010	.007	
6.0	.127	.080	.047	.109	.070	.041	.075	.049	.029	.044	.029	.017	.014	.009	.006	
7.0	.121	.073	.040	.104	.063	.035	.072	.044	.025	.042	.026	.015	.013	.009	.005	
8.0	.115	.067	.034	.099	.058	.030	.068	.041	.021	.040	.024	.013	.013	.008	.004	
9.0	.110	.062	.030	.094	.054	.026	.065	.038	.018	.038	.022	.011	.012	.007	.004	
10.0	.105	.058	.026	.090	.050	.023	.063	.035	.016	.037	.021	.010	.012	.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:0.4911A P:58.86W PF:0.9953 Lamp Flux:4014.07x1 lm										
NAME: ADL 60W ADR4WH 80°					TYPE:LED			WEIGHT:		
SPEC.:ADL 60W ADR4WH 80°					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	11.9	13.1	12.2	13.3	13.5	12.2	13.4	12.5	13.6	13.8
3H	13.2	14.2	13.4	14.4	14.6	13.4	14.5	13.7	14.7	14.9
4H	13.8	14.8	14.1	15.0	15.2	14.1	15.1	14.3	15.3	15.5
6H	14.3	15.2	14.6	15.4	15.7	14.5	15.5	14.9	15.7	16.0
8H	14.4	15.3	14.7	15.6	15.9	14.7	15.6	15.0	15.9	16.2
12H	14.5	15.4	14.8	15.6	15.9	14.8	15.7	15.1	16.0	16.2
4H 2H	12.3	13.3	12.6	13.6	13.8	12.6	13.6	12.9	13.8	14.1
3H	13.8	14.7	14.2	15.0	15.3	14.1	14.9	14.4	15.2	15.5
4H	14.6	15.4	15.0	15.7	16.0	14.8	15.6	15.2	15.9	16.3
6H	15.2	15.9	15.6	16.3	16.6	15.5	16.2	15.9	16.5	16.9
8H	15.4	16.1	15.8	16.5	16.8	15.7	16.4	16.1	16.7	17.1
12H	15.6	16.2	16.0	16.5	16.9	15.9	16.5	16.3	16.8	17.2
8H 4H	14.9	15.5	15.3	15.9	16.3	15.1	15.8	15.5	16.1	16.5
6H	15.7	16.2	16.1	16.6	17.0	15.9	16.4	16.3	16.8	17.2
8H	16.0	16.4	16.4	16.9	17.3	16.2	16.7	16.7	17.1	17.5
12H	16.2	16.6	16.6	17.0	17.5	16.4	16.8	16.9	17.3	17.8
12H 4H	14.9	15.5	15.3	15.9	16.3	15.1	15.7	15.5	16.1	16.5
6H	15.7	16.2	16.2	16.6	17.1	15.9	16.4	16.4	16.8	17.3
8H	16.1	16.5	16.5	16.9	17.4	16.3	16.7	16.8	17.1	17.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.8 / - 0.5					+ 0.8 / - 0.6				
1.5H	+ 1.8 / - 0.6					+ 1.8 / - 0.6				
2.0H	+ 0.1 / - 0.4					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 4014 lm Total Lamp Luminous Flux. (8log(F/F0) = 4.8)

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:0.4911A P:58.86W PF:0.9953 Lamp Flux:4014.07x1 lm		
NAME: ADL 60W ADR4WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W ADR4WH 80°	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	75	87	80	75	85	79	75	70
1.00	93	86	81	92	85	81	90	85	80	75
1.25	97	91	86	96	90	86	94	89	85	80
1.50	101	95	90	99	94	90	97	92	89	83
2.00	104	99	95	103	98	94	100	96	93	87
2.50	107	102	98	105	101	97	102	98	95	89
3.00	109	104	101	107	103	100	103	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:0.4911A P:58.86W PF:0.9953 Lamp Flux:4014.07x1 lm		
NAME: ADL 60W ADR4WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W ADR4WH 80°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

3389.8 lm

%lum = 84.4%

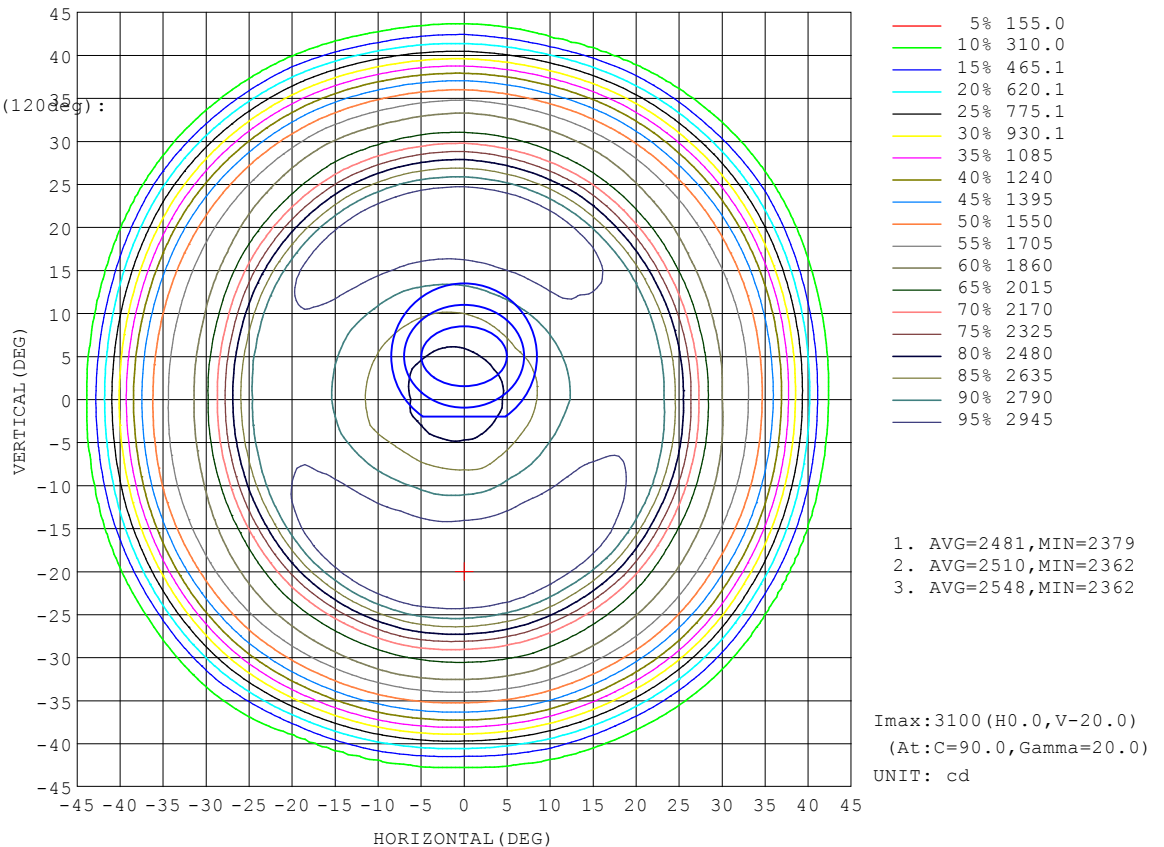
%lamp = 84.4%

Conical surface Flux(120deg):

3688.4 lm

%lum = 91.9%

%lamp = 91.9%

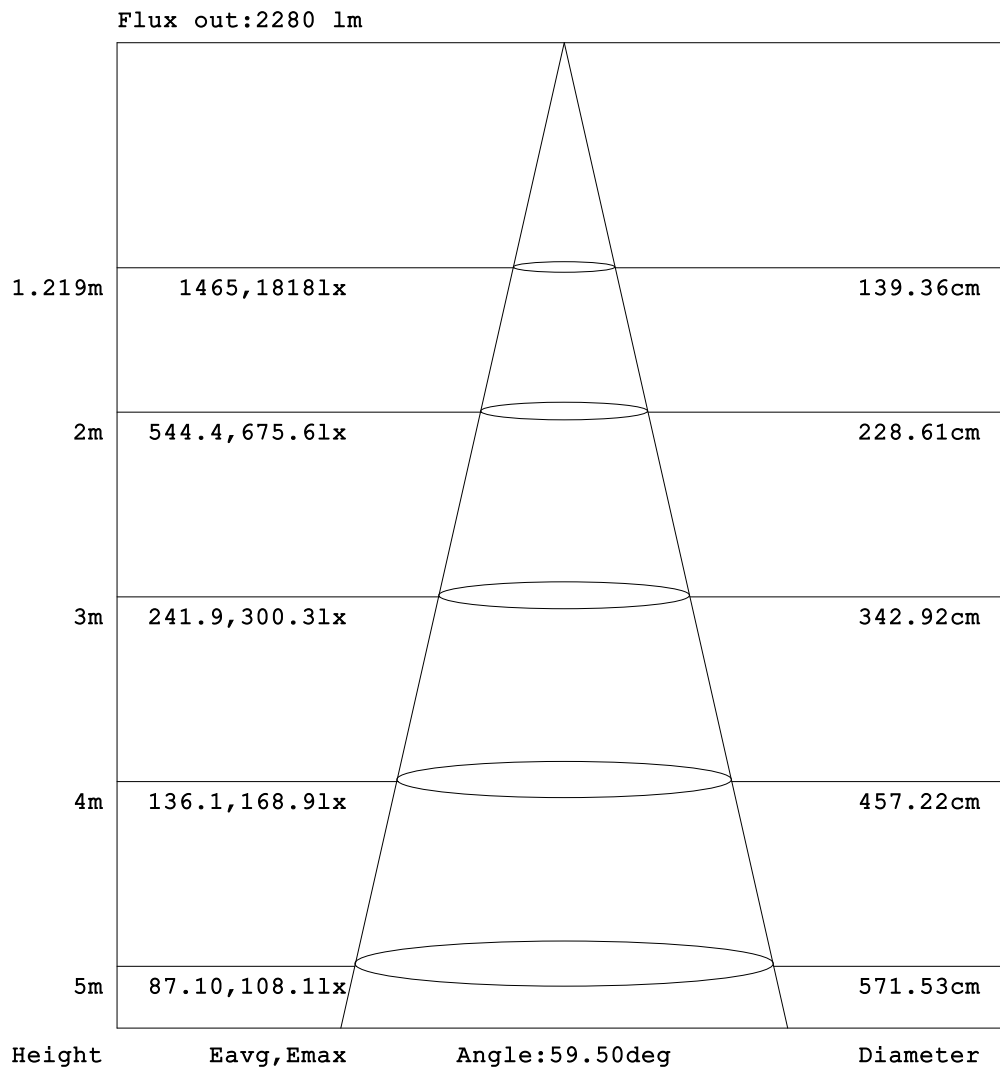


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-06-01

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:0.4911A P:58.86W PF:0.9953 Lamp Flux:4014.07x1 lm		
NAME: ADL 60W ADR4WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W ADR4WH 80°	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.

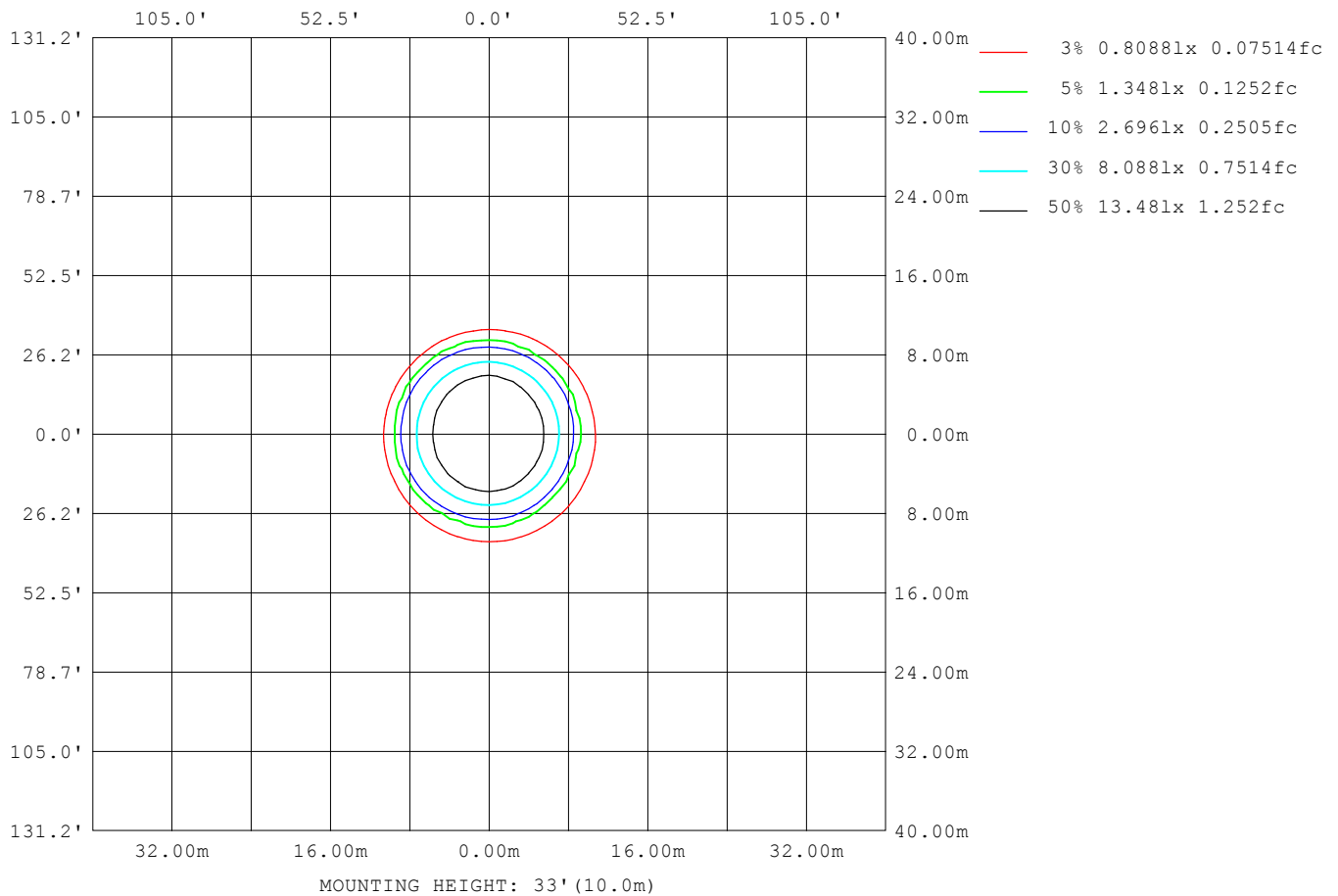
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-06-01

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

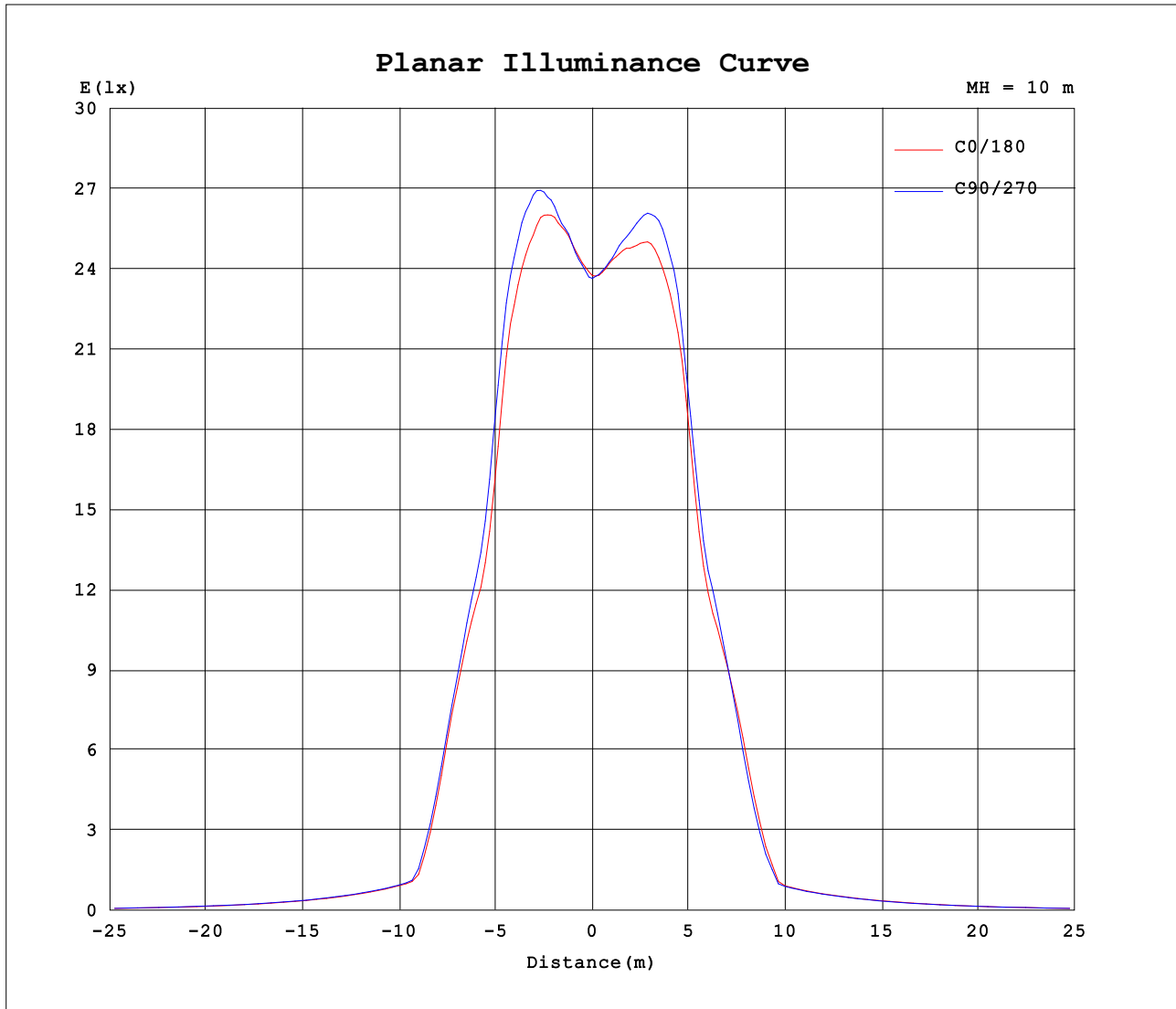
Test:U:120.4V I:0.4911A P:58.86W PF:0.9953 Lamp Flux:4014.07x1 lm		
NAME: ADL 60W ADR4WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W ADR4WH 80°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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:0.4911A P:58.86W PF:0.9953 Lamp Flux:4014.07x1 lm		
NAME: ADL 60W ADR4WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W ADR4WH 80°	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	2375	2370	2371	2367	2369	2369	2365	2366	2369	2367	2367	2366	2375	2370	2371	2367	2369	2369	2365
5	2498	2499	2508	2506	2502	2491	2490	2478	2471	2454	2447	2437	2447	2435	2427	2431	2431	2439	2453
10	2694	2711	2733	2747	2755	2729	2722	2712	2690	2670	2637	2598	2594	2592	2587	2604	2607	2617	2637
15	2877	2907	2934	2964	2992	2998	2990	2970	2950	2898	2854	2797	2773	2769	2770	2800	2820	2860	2886
20	2894	2925	2978	3025	3047	3077	3100	3095	3099	3042	2974	2925	2897	2902	2939	2996	3034	3052	3073
25	2567	2603	2650	2728	2759	2823	2859	2903	2900	2873	2810	2767	2760	2793	2854	2893	2915	2921	2911
30	1860	1885	1909	1962	2008	2049	2061	2071	2065	2066	2016	1996	1984	2010	2069	2113	2154	2140	2129
35	1513	1511	1494	1519	1535	1572	1587	1619	1639	1660	1675	1677	1666	1666	1680	1685	1707	1678	1679
40	651	625	604	637	663	701	721	770	811	875	902	940	950	945	959	938	925	877	854
45	263	266	266	270	270	272	271	271	268	267	263	262	261	258	258	255	256	255	256
50	242	245	245	248	249	250	249	249	246	245	241	239	239	236	235	233	234	233	234
55	221	224	224	227	227	229	228	229	226	225	221	220	220	217	217	215	216	214	215
60	198	200	200	203	203	205	205	205	203	203	200	199	198	196	196	194	194	193	193
65	171	173	174	176	177	178	178	179	178	177	175	174	174	172	171	170	169	168	168
70	141	142	143	144	145	147	148	149	148	148	147	146	146	145	144	142	142	140	140
75	106	106	106	108	108	110	111	113	113	114	113	114	113	112	112	111	110	109	108
80	66.5	66.7	66.4	67.4	67.9	69.8	70.7	72.8	73.5	75.1	75.2	76.0	76.3	75.9	76.0	74.7	74.2	72.5	71.9
85	26.8	26.7	26.1	27.0	27.4	29.3	30.1	32.2	33.2	35.1	35.5	36.9	37.4	37.4	37.9	36.9	36.5	34.7	34.0
90	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.00	0.16	0.64	1.17	1.25	1.77	1.13	1.00	0.27	0.04
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	0.03	0.00	0.03	0.00	0.03	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
110	0.11	0.15	0.12	0.16	0.11	0.16	0.11	0.14	0.08	0.12	0.08	0.11	0.10	0.08	0.08	0.09	0.10	0.09	0.11
115	0.27	0.31	0.28	0.31	0.28	0.31	0.28	0.29	0.24	0.27	0.22	0.27	0.24	0.20	0.24	0.21	0.24	0.25	0.26
120	0.47	0.50	0.47	0.50	0.45	0.49	0.48	0.48	0.44	0.45	0.41	0.45	0.41	0.38	0.42	0.39	0.43	0.43	0.46
125	0.67	0.71	0.68	0.71	0.68	0.70	0.68	0.70	0.64	0.66	0.62	0.65	0.61	0.58	0.62	0.59	0.65	0.63	0.69
130	0.90	0.94	0.90	0.93	0.90	0.93	0.91	0.91	0.86	0.88	0.84	0.87	0.85	0.81	0.86	0.83	0.88	0.88	0.92
135	1.15	1.18	1.14	1.17	1.14	1.16	1.14	1.16	1.09	1.12	1.08	1.10	1.09	1.06	1.09	1.07	1.10	1.13	1.17
140	1.38	1.40	1.39	1.40	1.37	1.39	1.37	1.38	1.32	1.35	1.30	1.33	1.33	1.31	1.32	1.31	1.33	1.37	1.39
145	1.60	1.62	1.60	1.61	1.58	1.60	1.60	1.58	1.54	1.56	1.54	1.55	1.56	1.56	1.55	1.53	1.56	1.58	1.61
150	1.79	1.81	1.79	1.79	1.77	1.78	1.77	1.77	1.74	1.74	1.73	1.76	1.76	1.74	1.76	1.74	1.75	1.76	1.79
155	1.94	1.97	1.93	1.94	1.93	1.93	1.94	1.93	1.90	1.91	1.91	1.92	1.92	1.90	1.93	1.91	1.92	1.93	1.97
160	2.09	2.09	2.06	2.07	2.05	2.09	2.05	2.04	2.02	2.04	2.02	2.05	2.07	2.02	2.04	2.02	2.04	2.05	2.09
165	2.23	2.21	2.21	2.21	2.22	2.23	2.24	2.21	2.19	2.18	2.19	2.20	2.23	2.18	2.18	2.17	2.18	2.21	2.22
170	2.39	2.39	2.39	2.40	2.40	2.41	2.39	2.38	2.35	2.36	2.35	2.34	2.36	2.35	2.36	2.35	2.34	2.36	2.36
175	2.53	2.55	2.55	2.56	2.57	2.56	2.53	2.53	2.51	2.51	2.53	2.51	2.50	2.51	2.52	2.51	2.51	2.51	2.52
180	2.60	2.57	2.59	2.62	2.60	2.59	2.60	2.60	2.58	2.60	2.61	2.57	2.60	2.60	2.59	2.62	2.60	2.62	2.60

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:0.4911A P:58.86W PF:0.9953 Lamp Flux:4014.07x1 lm		
NAME: ADL 60W ADR4WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W ADR4WH 80°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	2366	2369	2367	2367	2366														
5	2464	2474	2483	2484	2489														
10	2659	2681	2688	2676	2686														
15	2908	2906	2905	2877	2877														
20	3069	3022	2965	2917	2900														
25	2870	2796	2707	2635	2596														
30	2071	2021	1941	1893	1874														
35	1636	1604	1570	1548	1536														
40	802	780	739	723	690														
45	255	257	257	259	260														
50	234	236	236	239	239														
55	215	217	216	219	219														
60	193	194	194	195	196														
65	168	169	169	169	170														
70	140	140	140	141	141														
75	107	107	106	106	106														
80	70.4	69.8	68.3	68.2	67.2														
85	32.2	31.3	29.4	29.0	27.6														
90	0.01	0.00	0.01	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	0.01	0.00														
110	0.09	0.12	0.09	0.12	0.10														
115	0.24	0.27	0.24	0.28	0.25														
120	0.43	0.46	0.42	0.45	0.43														
125	0.64	0.68	0.64	0.68	0.64														
130	0.88	0.92	0.90	0.91	0.88														
135	1.12	1.17	1.14	1.16	1.14														
140	1.37	1.40	1.39	1.39	1.38														
145	1.60	1.60	1.60	1.62	1.61														
150	1.79	1.78	1.80	1.81	1.81														
155	1.95	1.96	1.95	1.96	1.95														
160	2.08	2.08	2.06	2.07	2.07														
165	2.23	2.23	2.22	2.20	2.21														
170	2.38	2.39	2.38	2.37	2.38														
175	2.52	2.52	2.55	2.55	2.55														
180	2.59	2.59	2.60	2.58	2.58														

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: