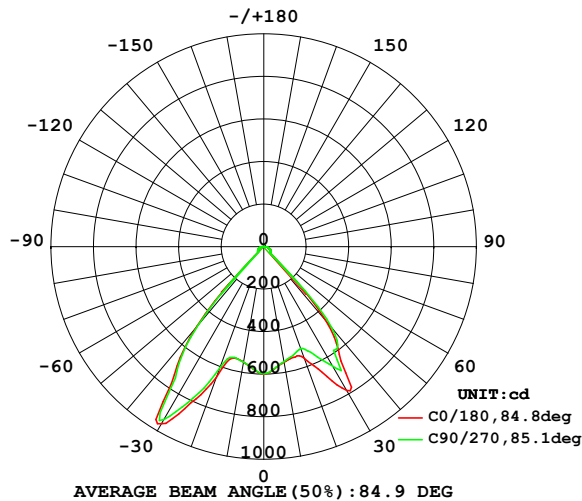


## LUMINAIRE PHOTOMETRIC TEST REPORT

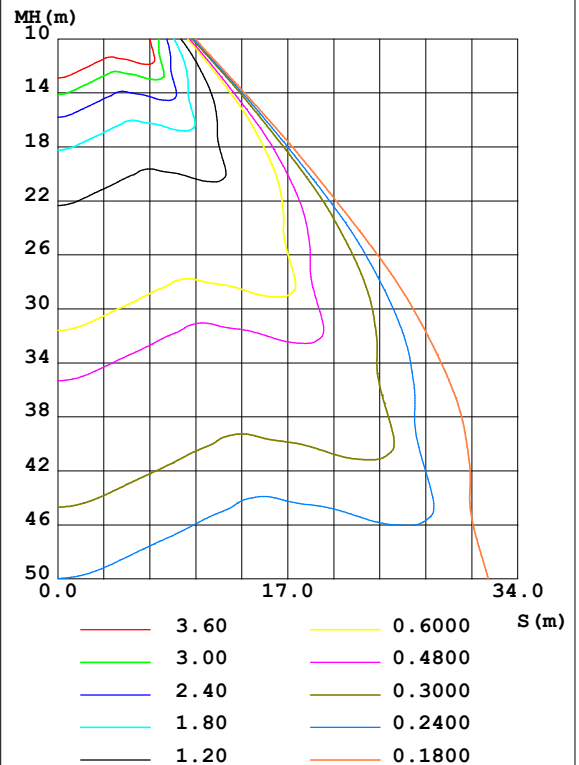
Test:U:120.5V I:0.1178A P:12.31W PF:0.8673 Lamp Flux:1176.42x1 lm		
NAME: ADL 12.5W ADR6WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR6WH 80°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 95.57 lm/W
MODEL		I <sub>max</sub> (cd)	983.4	S/MH (C0/180)	1.26	
NOMINAL POWER(W)	12.5	LOR(%)	100.0	S/MH (C90/270)	1.26	
RATED VOLTAGE(V)	120-277	TOTAL FLUX (lm)	1176.4	η UP,DN (C0-180)	0.0,47.5	
NOMINAL FLUX(lm)	1176.42	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,52.4	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.75	
TEST VOLTAGE (V)	120	η down (%)	100.0	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:2018-05-29

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	552.4	550.1	548.8	551.1	552.3	552.0	552.7	553.1	0- 10	54.19	54.19	4.61
20	559.6	506.3	509.5	619.8	654.5	622.9	606.1	608.3	10- 20	155.3	209.5	17.8
30	781.3	605.8	649.3	882.6	961.7	955.1	939.0	923.6	20- 30	332.6	542.1	46.1
40	449.2	498.4	497.3	463.6	489.7	490.4	481.1	421.7	30- 40	419.7	961.8	81.8
50	40.08	40.58	39.50	38.56	38.12	37.41	38.55	39.85	40- 50	121.0	1083	92
60	34.05	34.48	33.39	32.53	32.09	31.37	32.58	33.85	50- 60	32.30	1115	94.8
70	26.99	27.41	26.45	25.72	25.34	24.67	25.85	26.97	60- 70	29.49	1145	97.3
80	16.43	17.03	16.27	15.69	15.52	15.03	15.95	16.47	70- 80	22.74	1167	99.2
90	0.0015	0	0.0057	0	0	0	0	0.0045	80- 90	8.638	1176	100
100	0	0	0	0	0	0	0	0	90-100	0.0001	1176	100
110	0	0	0	0	0	0	0	0	100-110	0	1176	100
120	0	0	0	0	0	0	0	0	110-120	0	1176	100
130	0.0317	0.0766	0.0318	0.0512	0.0576	0.0127	0.0511	0.0638	120-130	0.0092	1176	100
140	0.1403	0.1980	0.1529	0.1596	0.1787	0.1211	0.1598	0.1658	130-140	0.0821	1176	100
150	0.2170	0.2618	0.2298	0.2489	0.2489	0.2042	0.2491	0.2299	140-150	0.1259	1176	100
160	0.2935	0.3320	0.2936	0.3000	0.3320	0.3063	0.3451	0.2998	150-160	0.1242	1176	100
170	0.4531	0.4979	0.4466	0.4852	0.4979	0.4786	0.5170	0.4975	160-170	0.1088	1176	100
180	0.5425	0.5680	0.5425	0.5616	0.5489	0.5489	0.5489	0.5489	170-180	0.0494	1176	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

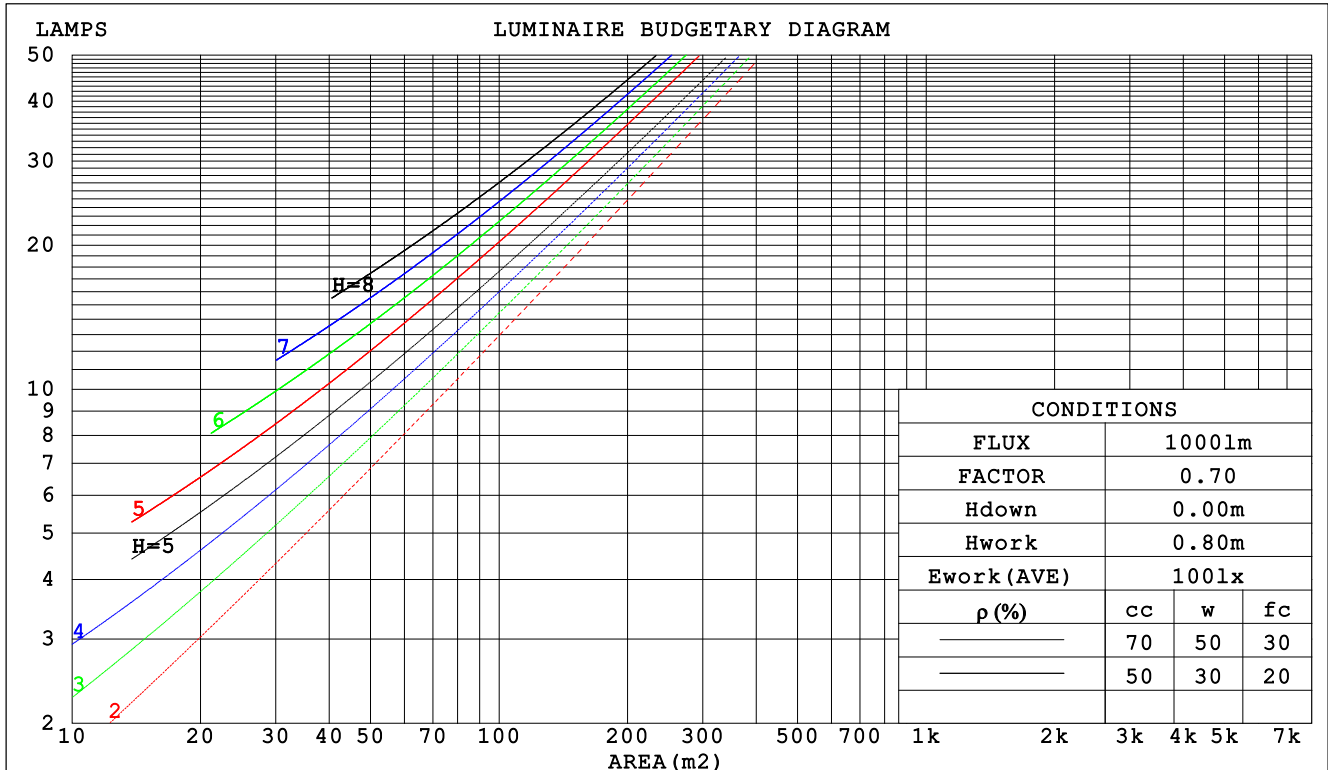
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-29

$\gamma$  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:0.1178A P:12.31W PF:0.8673 Lamp Flux:1176.42x1 lm		
NAME: ADL 12.5W ADR6WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR6WH 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	1.03	1.06	1.03	1.01	1.02	.00	.98	.98	.96	.95	.95	.93	.92	.90
2.0	.99	.94	.89	.97	.92	.88	.94	.90	.86	.90	.87	.85	.88	.85	.83	.81
3.0	.90	.84	.79	.89	.83	.78	.86	.81	.77	.83	.79	.76	.81	.78	.75	.73
4.0	.82	.76	.70	.81	.75	.70	.79	.73	.69	.77	.72	.68	.75	.71	.67	.66
5.0	.76	.68	.63	.75	.68	.63	.73	.67	.62	.71	.66	.62	.69	.65	.61	.59
6.0	.70	.62	.57	.69	.62	.57	.67	.61	.56	.65	.60	.56	.64	.59	.56	.54
7.0	.64	.57	.52	.63	.56	.52	.62	.56	.51	.61	.55	.51	.59	.54	.51	.49
8.0	.59	.52	.47	.59	.52	.47	.57	.51	.47	.56	.51	.47	.55	.50	.46	.45
9.0	.55	.48	.43	.54	.48	.43	.53	.47	.43	.52	.47	.43	.51	.46	.42	.41
10.0	.51	.44	.40	.50	.44	.39	.50	.43	.39	.49	.43	.39	.48	.43	.39	.38



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:0.1178A P:12.31W PF:0.8673 Lamp Flux:1176.42x1 lm		
NAME: ADL 12.5W ADR6WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR6WH 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	.223	.127	.040	.216	.123	.039	.203	.117	.037	.191	.110	.035	.180	.105	.034		
2.0	.213	.117	.036	.207	.114	.035	.196	.109	.034	.186	.104	.033	.176	.100	.031		
3.0	.201	.107	.032	.196	.105	.032	.187	.101	.031	.178	.098	.030	.170	.094	.029		
4.0	.191	.099	.029	.186	.097	.029	.178	.094	.028	.170	.091	.028	.163	.089	.027		
5.0	.181	.092	.027	.177	.091	.026	.169	.088	.026	.163	.086	.026	.156	.083	.025		
6.0	.172	.086	.025	.168	.085	.024	.162	.083	.024	.155	.081	.024	.150	.079	.023		
7.0	.163	.081	.023	.160	.080	.023	.154	.078	.022	.149	.076	.022	.144	.075	.022		
8.0	.155	.076	.021	.153	.075	.021	.147	.074	.021	.142	.072	.021	.138	.071	.021		
9.0	.148	.072	.020	.146	.071	.020	.141	.070	.020	.136	.068	.020	.132	.067	.019		
10.0	.141	.068	.019	.139	.067	.019	.135	.066	.019	.131	.065	.018	.127	.064	.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	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.175	.157	.142	.149	.135	.122	.102	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.162	.133	.108	.139	.114	.093	.095	.079	.065	.055	.046	.038	.018	.015	.012	
3.0	.152	.114	.084	.130	.098	.073	.089	.068	.051	.052	.040	.030	.017	.013	.010	
4.0	.143	.100	.067	.123	.086	.059	.084	.060	.041	.049	.035	.024	.016	.011	.008	
5.0	.135	.089	.055	.116	.077	.048	.080	.054	.034	.046	.032	.020	.015	.010	.007	
6.0	.128	.080	.046	.110	.069	.040	.076	.049	.028	.044	.029	.017	.014	.009	.006	
7.0	.122	.073	.038	.105	.063	.033	.073	.044	.024	.042	.026	.014	.014	.009	.005	
8.0	.117	.067	.033	.101	.058	.029	.070	.041	.020	.040	.024	.012	.013	.008	.004	
9.0	.112	.062	.029	.096	.054	.025	.067	.038	.018	.039	.022	.011	.013	.007	.003	
10.0	.107	.058	.025	.092	.050	.022	.064	.035	.016	.037	.021	.009	.012	.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:0.1178A P:12.31W PF:0.8673 Lamp Flux:1176.42x1 lm										
NAME: ADL 12.5W ADR6WH 80°					TYPE:LED			WEIGHT:		
SPEC.:ADL 12.5W ADR6WH 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	9.5	10.7	9.7	10.9	11.1	9.5	10.6	9.7	10.8	11.0
3H	9.7	10.8	10.0	11.0	11.2	9.7	10.7	9.9	11.0	11.2
4H	9.9	10.9	10.2	11.2	11.4	9.9	10.9	10.1	11.1	11.3
6H	10.1	11.1	10.5	11.4	11.6	10.1	11.1	10.4	11.3	11.6
8H	10.3	11.2	10.6	11.4	11.7	10.2	11.1	10.5	11.4	11.7
12H	10.4	11.2	10.7	11.5	11.8	10.3	11.2	10.6	11.5	11.8
4H 2H	9.4	10.4	9.7	10.6	10.9	9.3	10.4	9.6	10.6	10.8
3H	9.8	10.6	10.1	10.9	11.2	9.7	10.6	10.0	10.9	11.2
4H	10.1	10.9	10.5	11.2	11.5	10.1	10.9	10.4	11.2	11.5
6H	10.5	11.2	10.9	11.6	11.9	10.5	11.2	10.9	11.5	11.9
8H	10.7	11.4	11.1	11.7	12.1	10.7	11.3	11.1	11.7	12.1
12H	10.9	11.5	11.3	11.9	12.3	10.9	11.5	11.3	11.8	12.2
8H 4H	10.2	10.9	10.6	11.2	11.6	10.2	10.8	10.6	11.2	11.6
6H	10.8	11.4	11.2	11.7	12.2	10.8	11.3	11.2	11.7	12.1
8H	11.1	11.6	11.6	12.0	12.5	11.1	11.6	11.5	12.0	12.4
12H	11.4	11.8	11.9	12.2	12.7	11.4	11.8	11.8	12.2	12.7
12H 4H	10.2	10.8	10.6	11.2	11.6	10.2	10.8	10.6	11.2	11.6
6H	10.9	11.3	11.3	11.8	12.2	10.8	11.3	11.3	11.7	12.2
8H	11.2	11.6	11.7	12.1	12.6	11.2	11.6	11.7	12.0	12.5
Variations with the observer position at spacings:										
S = 1.0H	+ 1.5 / - 2.5					+ 1.6 / - 2.6				
1.5H	+ 3.6 / - 2.5					+ 3.6 / - 2.6				
2.0H	+ 0.2 / - 0.2					+ 0.6 / - 0.3				

CIE Pub.117 Corrected 1176 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.6)

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:0.1178A P:12.31W PF:0.8673 Lamp Flux:1176.42x1 lm		
NAME: ADL 12.5W ADR6WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR6WH 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	73	68	80	73	68	79	72	68	64
0.80	89	81	77	88	81	77	86	80	76	72
1.00	94	87	83	93	87	82	91	87	82	77
1.25	99	92	88	98	92	88	95	90	87	82
1.50	102	96	92	101	95	91	98	94	90	85
2.00	105	100	96	104	99	96	101	97	94	88
2.50	108	103	99	106	102	98	103	99	96	90
3.00	110	105	102	108	104	101	104	101	99	92
4.00	112	108	106	110	107	104	106	104	102	94
5.00	113	111	108	111	109	107	107	105	103	96
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:0.1178A P:12.31W PF:0.8673 Lamp Flux:1176.42x1 lm		
NAME: ADL 12.5W ADR6WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR6WH 80°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

1065.3 lm

%lum = 90.6%

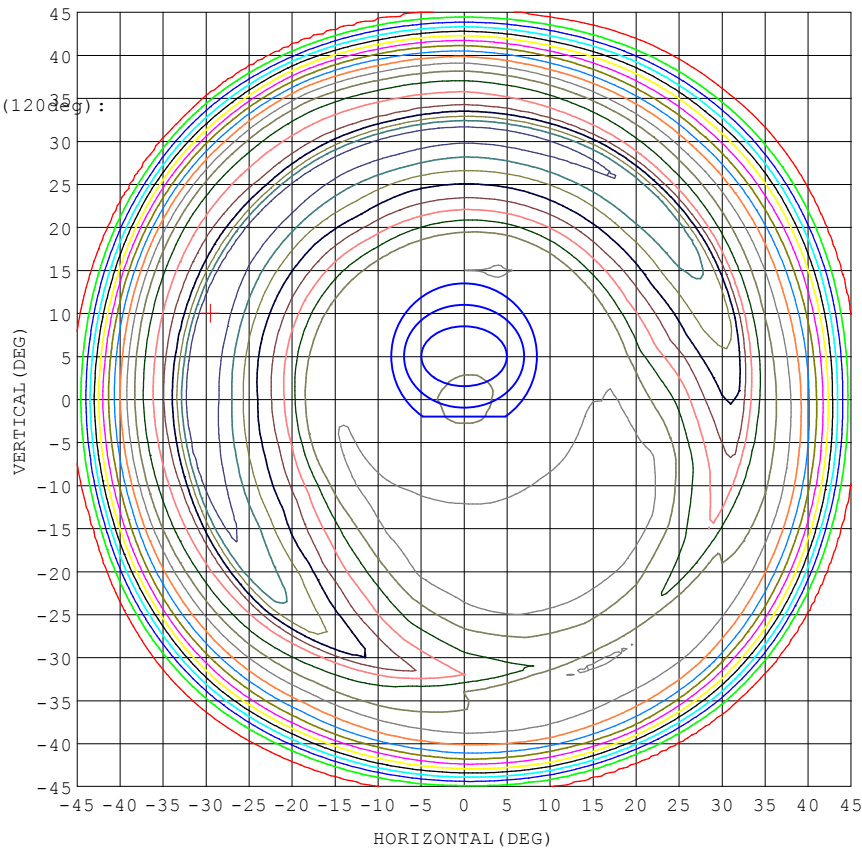
%lamp = 90.6%

Conical surface Flux(120deg):

1115.1 lm

%lum = 94.8%

%lamp = 94.8%



5%	49.07
10%	98.14
15%	147.2
20%	196.3
25%	245.4
30%	294.4
35%	343.5
40%	392.6
45%	441.6
50%	490.7
55%	539.8
60%	588.9
65%	637.9
70%	687.0
75%	736.1
80%	785.1
85%	834.2
90%	883.3
95%	932.3

1. AVG=572.5,MIN=557.6
2. AVG=570.1,MIN=549.1
3. AVG=566.3,MIN=541.9

Imax:981.4 (H=29.5,V10.0)  
(At:C=195.0,Gamma=31.0)

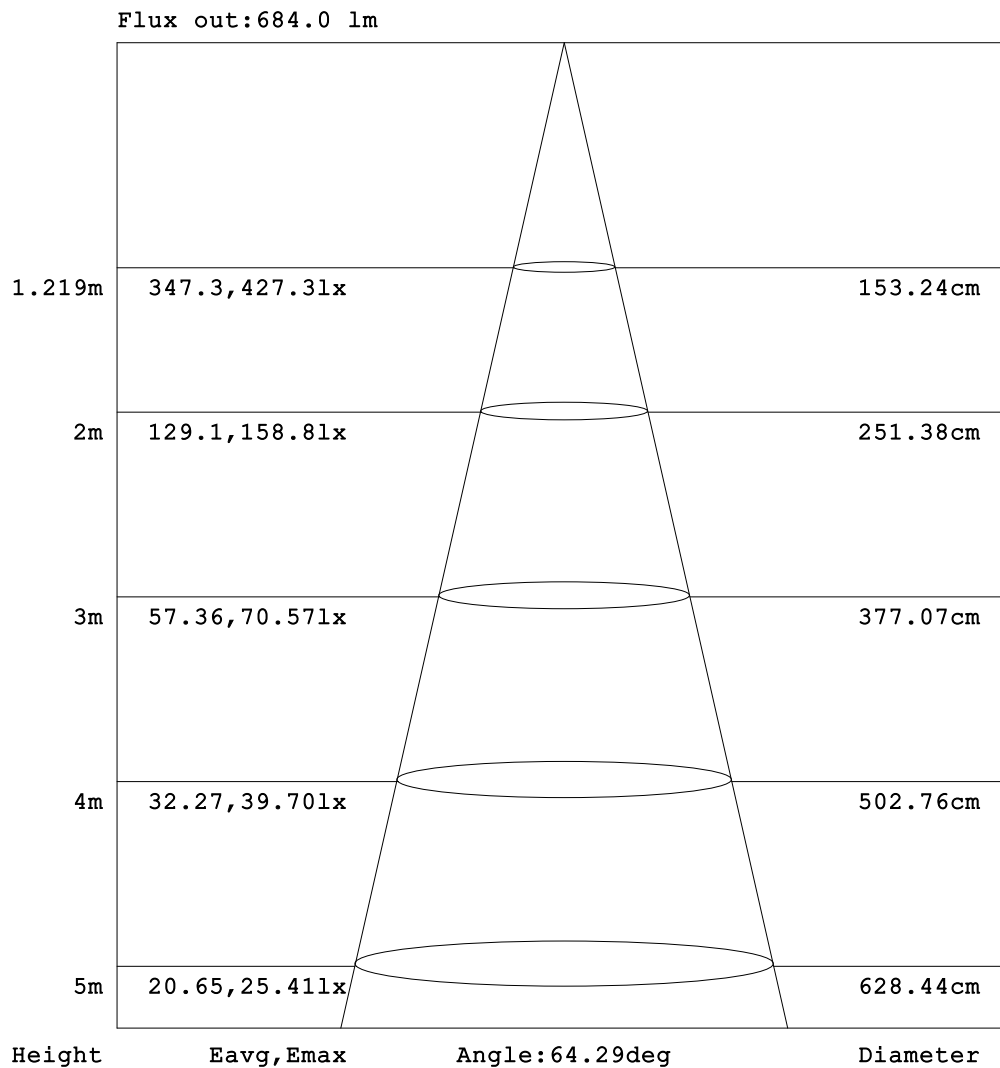
UNIT: cd

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:0.1178A P:12.31W PF:0.8673 Lamp Flux:1176.42x1 lm		
NAME: ADL 12.5W ADR6WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR6WH 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.

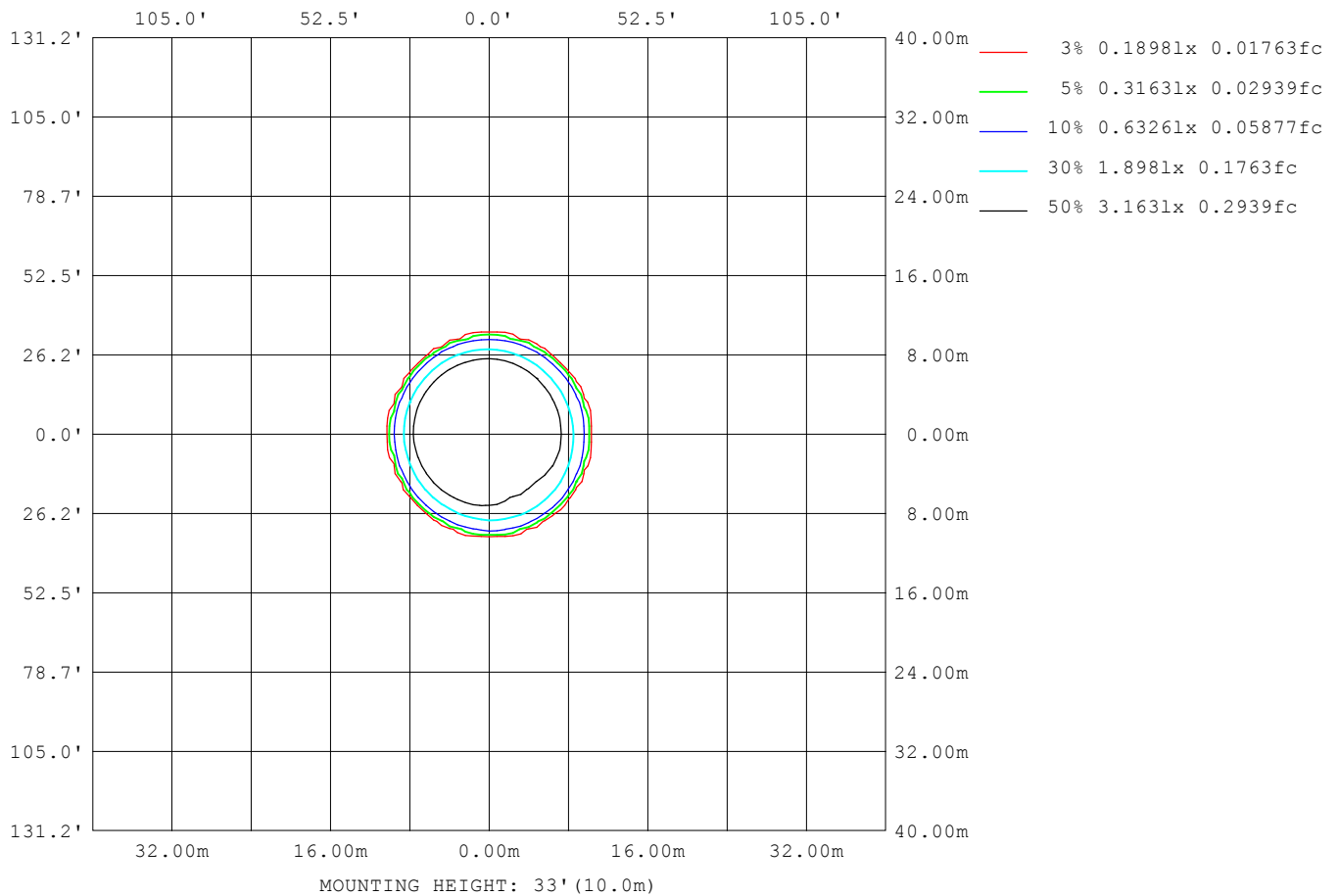
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-29

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

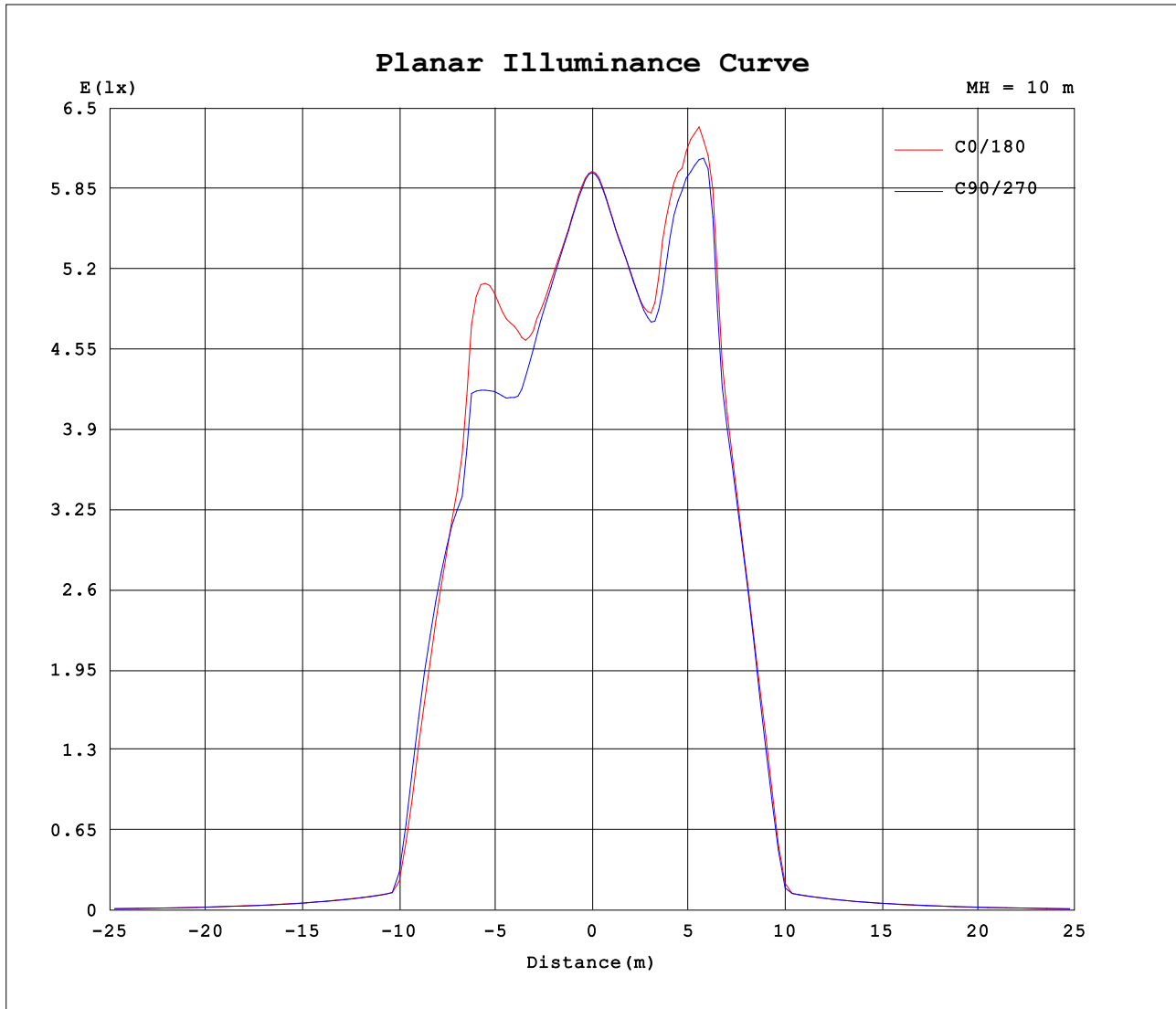
Test:U:120.5V I:0.1178A P:12.31W PF:0.8673 Lamp Flux:1176.42x1 lm		
NAME: ADL 12.5W ADR6WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR6WH 80°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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

$\gamma$  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

## 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:0.1178A P:12.31W PF:0.8673 Lamp Flux:1176.42x1 lm		
NAME: ADL 12.5W ADR6WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR6WH 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	599	599	598	598	598	598	598	598	598	599	598	599	599	599	598	598	598	598	598
5	577	578	578	578	577	577	576	577	576	577	576	575	577	576	574	574	575	574	576
10	552	552	551	550	549	550	549	549	548	551	551	551	552	552	552	552	553	553	553
15	540	538	536	534	532	531	530	531	533	535	537	539	543	544	544	542	541	541	540
20	560	527	511	506	503	504	510	528	573	620	652	663	654	637	626	623	626	614	606
25	652	575	530	517	514	524	561	609	687	750	799	806	808	800	793	790	802	786	784
30	781	694	637	606	598	610	649	718	808	883	927	956	962	962	952	955	944	947	939
35	620	613	588	560	548	559	591	625	642	668	690	708	733	736	733	721	719	710	711
40	449	472	482	498	502	507	497	482	458	464	464	467	490	493	499	490	503	480	481
45	67.7	78.5	90.5	105	98.9	102	87.5	83.8	70.4	70.8	55.6	50.4	62.7	54.3	47.0	44.8	46.4	46.3	52.0
50	40.1	40.2	40.6	40.6	40.3	39.9	39.5	39.1	38.6	38.6	38.0	37.6	38.1	37.9	37.3	37.4	37.7	38.0	38.6
55	37.1	37.2	37.6	37.5	37.2	36.9	36.5	36.1	35.6	35.5	35.0	34.6	35.1	34.8	34.3	34.4	34.7	35.0	35.5
60	34.0	34.2	34.5	34.5	34.1	33.8	33.4	33.0	32.6	32.5	32.0	31.6	32.1	31.8	31.3	31.4	31.7	32.1	32.6
65	30.8	30.9	31.3	31.2	30.9	30.6	30.2	29.8	29.3	29.4	28.8	28.4	28.9	28.7	28.2	28.2	28.6	28.9	29.4
70	27.0	27.1	27.5	27.4	27.1	26.8	26.4	26.1	25.7	25.7	25.2	24.8	25.3	25.1	24.6	24.7	25.0	25.3	25.8
75	22.3	22.5	22.8	22.8	22.5	22.3	21.9	21.7	21.3	21.3	20.8	20.5	21.1	20.8	20.4	20.4	20.8	21.1	21.6
80	16.4	16.6	17.0	17.0	16.8	16.7	16.3	16.0	15.6	15.7	15.2	14.9	15.5	15.4	15.0	15.0	15.3	15.5	15.9
85	8.46	8.79	9.20	9.40	9.17	9.11	8.72	8.52	8.06	8.10	7.57	7.35	7.84	7.61	7.30	7.20	7.46	7.49	7.82
90	0.00	0.00	0.02	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00
130	0.03	0.07	0.03	0.08	0.03	0.06	0.03	0.06	0.02	0.05	0.01	0.04	0.06	0.03	0.05	0.01	0.05	0.01	0.05
135	0.10	0.13	0.10	0.14	0.10	0.12	0.10	0.13	0.09	0.11	0.10	0.10	0.13	0.09	0.11	0.08	0.10	0.09	0.12
140	0.14	0.19	0.15	0.20	0.15	0.19	0.15	0.17	0.14	0.16	0.11	0.16	0.18	0.12	0.17	0.12	0.16	0.13	0.16
145	0.19	0.24	0.19	0.23	0.19	0.23	0.19	0.22	0.19	0.20	0.17	0.19	0.22	0.19	0.20	0.17	0.21	0.18	0.22
150	0.22	0.26	0.23	0.26	0.23	0.28	0.23	0.26	0.22	0.25	0.19	0.23	0.25	0.22	0.25	0.20	0.26	0.22	0.25
155	0.24	0.29	0.24	0.30	0.26	0.29	0.28	0.27	0.23	0.26	0.22	0.26	0.28	0.25	0.28	0.25	0.28	0.26	0.29
160	0.29	0.33	0.29	0.33	0.29	0.33	0.29	0.31	0.28	0.30	0.26	0.31	0.33	0.30	0.34	0.31	0.34	0.31	0.35
165	0.38	0.40	0.38	0.41	0.38	0.41	0.38	0.40	0.36	0.38	0.35	0.38	0.41	0.38	0.40	0.38	0.43	0.40	0.44
170	0.45	0.49	0.45	0.50	0.45	0.48	0.45	0.48	0.43	0.49	0.44	0.47	0.50	0.48	0.50	0.48	0.50	0.50	0.52
175	0.52	0.56	0.51	0.56	0.51	0.54	0.50	0.54	0.51	0.55	0.50	0.54	0.55	0.53	0.56	0.52	0.56	0.52	0.55
180	0.54	0.56	0.56	0.57	0.55	0.56	0.54	0.54	0.54	0.56	0.54	0.54	0.55	0.55	0.56	0.55	0.56	0.54	0.55

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:0.1178A P:12.31W PF:0.8673 Lamp Flux:1176.42x1 lm		
NAME: ADL 12.5W ADR6WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR6WH 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	598	598	599	598	599														
5	576	578	578	579	580														
10	553	552	553	554	554														
15	539	541	542	542	541														
20	598	600	608	609	600														
25	782	782	781	773	739														
30	940	930	924	896	853														
35	695	678	657	643	629														
40	452	437	422	428	438														
45	52.0	62.3	58.6	73.7	79.3														
50	39.0	39.6	39.9	40.4	40.7														
55	36.0	36.6	36.9	37.4	37.7														
60	33.1	33.6	33.9	34.4	34.7														
65	29.9	30.4	30.6	31.1	31.5														
70	26.3	26.8	27.0	27.4	27.7														
75	21.9	22.4	22.4	22.9	23.1														
80	16.2	16.5	16.5	16.9	17.1														
85	7.89	8.27	8.17	8.69	8.93														
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	0.02	0.00	0.03	0.00														
130	0.02	0.08	0.06	0.09	0.08														
135	0.10	0.13	0.10	0.15	0.12														
140	0.13	0.19	0.17	0.22	0.19														
145	0.19	0.22	0.20	0.24	0.22														
150	0.22	0.27	0.23	0.27	0.24														
155	0.26	0.29	0.26	0.28	0.29														
160	0.32	0.34	0.30	0.34	0.30														
165	0.40	0.43	0.39	0.42	0.38														
170	0.49	0.52	0.50	0.51	0.48														
175	0.53	0.56	0.53	0.55	0.52														
180	0.56	0.56	0.55	0.55	0.54														

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