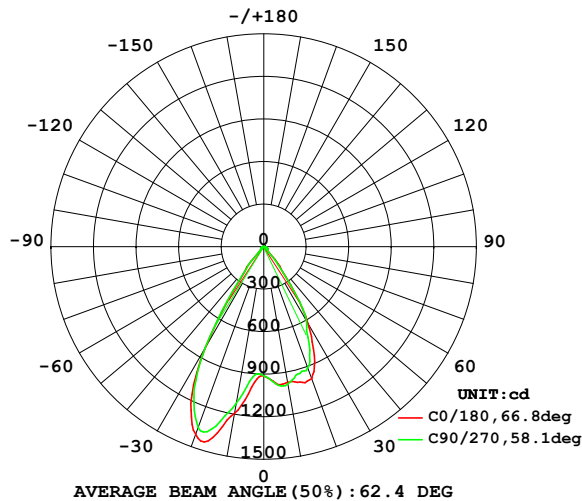


## LUMINAIRE PHOTOMETRIC TEST REPORT

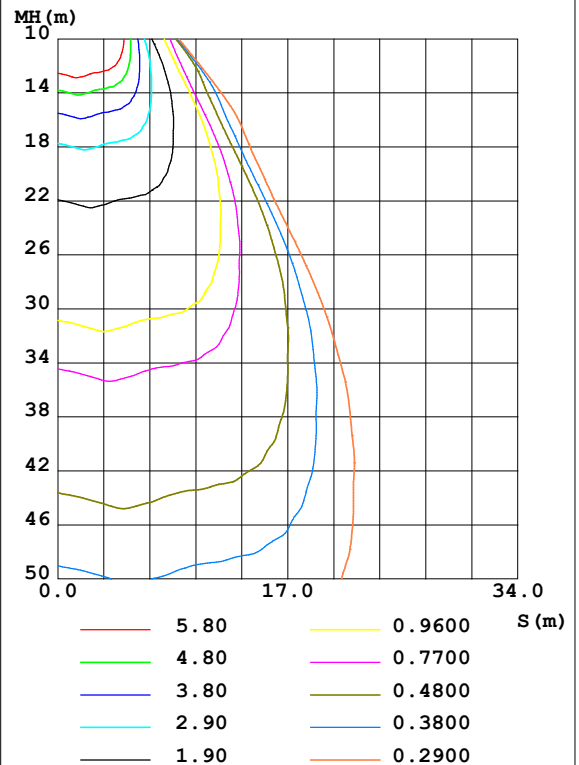
Test:U:120.5V I:0.1179A P:12.29W PF:0.8649 Lamp Flux:1194.32x1 lm		
NAME: ADL 12.5W ADR8WH 60°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR8WH 60°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 97.18 lm/W			
MODEL		I <sub>max</sub> (cd)	1441	S/MH (C0/180)	0.97
NOMINAL POWER (W)	12.5	LOR (%)	100.0	S/MH (C90/270)	0.98
RATED VOLTAGE (V)	120-277	TOTAL FLUX (lm)	1194.3	η UP, DN (C0-180)	0.0, 45.0
NOMINAL FLUX (lm)	1194.32	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 54.9
LAMPS INSIDE	1	η up (%)	0.1	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	120	η down (%)	99.9	CIBSE SHR MAX	0.60

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	971.7	916.9	983.2	1137	1195	1151	1121	1089	0- 10	95.97	95.97	8.04
20	989.3	799.9	906.5	1227	1406	1398	1356	1259	10- 20	326.9	422.8	35.4
30	622.4	591.9	604.0	696.5	831.1	883.6	830.4	722.5	20- 30	446.3	869.2	72.8
40	160.8	145.8	132.1	155.6	183.3	168.0	168.9	169.7	30- 40	230.8	1100	92.1
50	27.92	28.15	27.92	27.46	26.99	26.87	27.09	27.44	40- 50	37.65	1138	95.3
60	22.05	22.30	22.06	21.54	21.08	20.96	21.22	21.60	50- 60	21.95	1160	97.1
70	15.45	15.62	15.36	14.92	14.62	14.56	14.76	15.08	60- 70	18.23	1178	98.6
80	7.969	7.959	7.693	7.493	7.382	7.414	7.592	7.769	70- 80	12.06	1190	99.6
90	0.0006	0	0	0	0	0.0008	0	0.0029	80- 90	3.794	1194	99.9
100	0	0	0	0	0	0	0	0	90-100	0.0000	1194	99.9
110	0	0	0	0	0	0	0	0	100-110	0	1194	99.9
120	0	0	0	0	0	0	0	0	110-120	0	1194	99.9
130	0.0127	0.0704	0.0127	0.0319	0.0385	0	0.0130	0.0063	120-130	0.0029	1194	99.9
140	0.1977	0.2554	0.1913	0.1915	0.1917	0.1211	0.1788	0.1977	130-140	0.0801	1194	100
150	0.3319	0.4022	0.3382	0.3319	0.3641	0.3000	0.3513	0.3381	140-150	0.1677	1194	100
160	0.4211	0.4597	0.4338	0.4404	0.4980	0.4656	0.5043	0.4531	150-160	0.1855	1194	100
170	0.5295	0.5809	0.5424	0.5747	0.6256	0.5997	0.6255	0.5806	160-170	0.1455	1194	100
180	0.6446	0.6574	0.6510	0.6574	0.6382	0.6574	0.6638	0.6638	170-180	0.0590	1194	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

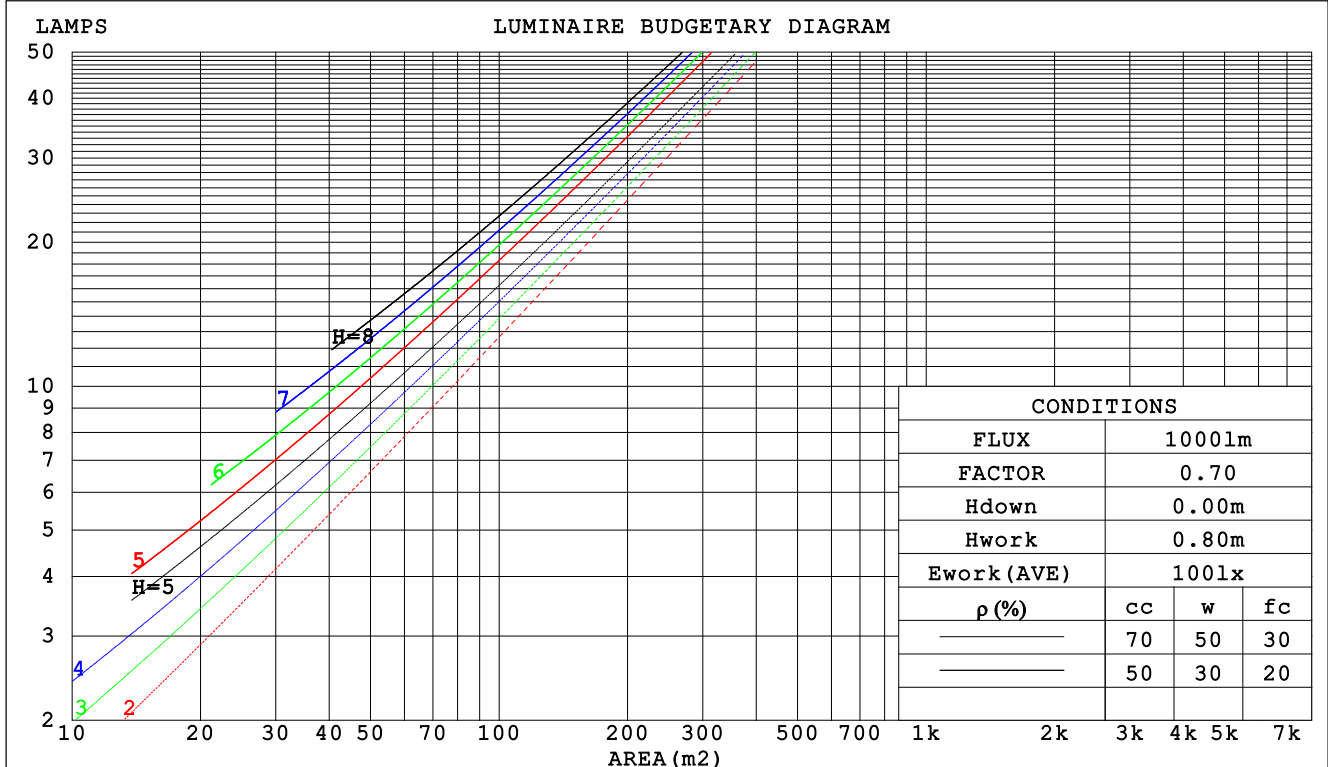
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-29

$\gamma$  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:0.1179A P:12.29W PF:0.8649 Lamp Flux:1194.32x1 lm		
NAME: ADL 12.5W ADR8WH 60°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR8WH 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	1.05	1.08	1.06	1.03	1.04	1.02	1.00	1.00	.99	.97	.97	.96	.94	.93
2.0	1.02	.98	.94	1.00	.96	.93	.97	.94	.91	.94	.91	.89	.91	.89	.87	.86
3.0	.95	.90	.86	.93	.89	.85	.91	.87	.84	.88	.85	.82	.86	.83	.81	.79
4.0	.88	.83	.78	.87	.82	.78	.85	.81	.77	.83	.79	.76	.81	.78	.75	.74
5.0	.83	.77	.72	.82	.76	.72	.80	.75	.71	.78	.74	.71	.77	.73	.70	.68
6.0	.78	.71	.67	.77	.71	.67	.75	.70	.66	.74	.69	.66	.72	.68	.65	.64
7.0	.73	.67	.62	.72	.66	.62	.71	.66	.62	.70	.65	.61	.68	.64	.61	.60
8.0	.68	.62	.58	.68	.62	.58	.67	.62	.58	.66	.61	.58	.65	.60	.57	.56
9.0	.65	.59	.54	.64	.58	.54	.63	.58	.54	.62	.57	.54	.61	.57	.54	.52
10.0	.61	.55	.51	.61	.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:2018-05-29

$\gamma$  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:0.1179A P:12.29W PF:0.8649 Lamp Flux:1194.32x1 lm		
NAME: ADL 12.5W ADR8WH 60°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR8WH 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	.190	.108	.034	.183	.104	.033	.170	.098	.031	.158	.091	.029	.148	.086	.028		
2.0	.180	.099	.030	.174	.096	.030	.164	.091	.028	.154	.086	.027	.145	.082	.026		
3.0	.170	.091	.027	.165	.089	.027	.156	.085	.026	.148	.081	.025	.140	.077	.024		
4.0	.161	.084	.025	.157	.082	.024	.149	.079	.024	.142	.076	.023	.135	.073	.022		
5.0	.153	.078	.023	.150	.077	.022	.143	.074	.022	.136	.072	.021	.130	.070	.021		
6.0	.146	.073	.021	.143	.072	.021	.136	.070	.020	.131	.068	.020	.125	.066	.020		
7.0	.139	.069	.019	.136	.068	.019	.131	.066	.019	.126	.064	.019	.121	.063	.018		
8.0	.133	.065	.018	.130	.064	.018	.125	.063	.018	.121	.061	.018	.117	.060	.017		
9.0	.127	.062	.017	.125	.061	.017	.121	.060	.017	.116	.058	.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	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.172	.158	.144	.148	.135	.124	.101	.093	.086	.058	.054	.050	.019	.017	.016	
2.0	.158	.133	.112	.135	.114	.097	.093	.079	.067	.053	.046	.040	.017	.015	.013	
3.0	.146	.114	.089	.125	.098	.077	.086	.068	.054	.050	.040	.032	.016	.013	.010	
4.0	.136	.099	.072	.116	.086	.062	.080	.060	.044	.046	.035	.026	.015	.011	.009	
5.0	.127	.088	.059	.109	.076	.051	.075	.053	.036	.044	.031	.022	.014	.010	.007	
6.0	.120	.079	.049	.103	.068	.043	.071	.048	.030	.041	.028	.018	.013	.009	.006	
7.0	.113	.071	.042	.097	.062	.036	.067	.043	.026	.039	.026	.015	.013	.008	.005	
8.0	.108	.065	.036	.093	.056	.031	.064	.040	.022	.037	.023	.013	.012	.008	.004	
9.0	.103	.060	.031	.088	.052	.027	.061	.037	.019	.036	.022	.012	.012	.007	.004	
10.0	.098	.056	.027	.084	.048	.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:2018-05-29

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:0.1179A P:12.29W PF:0.8649 Lamp Flux:1194.32x1 lm										
NAME: ADL 12.5W ADR8WH 60°					TYPE:LED			WEIGHT:		
SPEC.:ADL 12.5W ADR8WH 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	4.4	5.4	4.6	5.5	5.7	4.4	5.4	4.6	5.5	5.7
3H	4.8	5.7	5.0	5.9	6.1	4.8	5.7	5.0	5.9	6.1
4H	5.0	5.9	5.3	6.1	6.3	5.0	5.9	5.3	6.1	6.3
6H	5.3	6.1	5.6	6.3	6.6	5.3	6.1	5.6	6.3	6.6
8H	5.4	6.2	5.7	6.4	6.7	5.4	6.1	5.7	6.4	6.7
12H	5.4	6.2	5.8	6.5	6.7	5.4	6.1	5.7	6.4	6.7
4H 2H	4.4	5.2	4.7	5.5	5.7	4.4	5.2	4.7	5.5	5.7
3H	5.0	5.7	5.3	6.0	6.3	5.0	5.7	5.3	6.0	6.3
4H	5.4	6.1	5.7	6.4	6.7	5.4	6.0	5.7	6.4	6.7
6H	5.8	6.4	6.2	6.7	7.1	5.8	6.4	6.1	6.7	7.0
8H	5.9	6.5	6.3	6.9	7.2	5.9	6.5	6.3	6.8	7.2
12H	6.1	6.6	6.5	6.9	7.3	6.0	6.5	6.4	6.9	7.3
8H 4H	5.5	6.1	5.9	6.4	6.8	5.5	6.1	5.9	6.4	6.8
6H	6.0	6.5	6.5	6.9	7.3	6.0	6.5	6.4	6.9	7.3
8H	6.3	6.7	6.7	7.1	7.5	6.2	6.6	6.7	7.1	7.5
12H	6.5	6.8	6.9	7.2	7.7	6.4	6.7	6.9	7.2	7.6
12H 4H	5.5	6.0	5.9	6.4	6.8	5.5	6.0	5.9	6.4	6.8
6H	6.1	6.5	6.5	6.9	7.3	6.1	6.5	6.5	6.9	7.3
8H	6.4	6.7	6.8	7.1	7.6	6.3	6.6	6.8	7.1	7.6
Variations with the observer position at spacings:										
S = 1.0H	+ 1.6 / - 1.2					+ 1.4 / - 1.0				
1.5H	+ 3.3 / - 1.2					+ 2.9 / - 1.0				
2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 1194 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:0.1179A P:12.29W PF:0.8649 Lamp Flux:1194.32x1 lm		
NAME: ADL 12.5W ADR8WH 60°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR8WH 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) $k(RI) \times RCR = 5$									
$k = 0.60$	87	80	76	86	80	76	85	80	76	73
0.80	94	88	84	93	88	84	92	87	84	80
1.00	98	93	89	98	92	89	96	92	88	84
1.25	102	97	93	101	96	93	99	95	92	88
1.50	105	100	97	104	99	96	102	98	95	91
2.00	108	104	100	106	102	99	104	100	98	93
2.50	110	106	103	108	104	102	105	102	100	94
3.00	111	108	105	109	106	104	106	104	102	95
4.00	113	111	108	111	109	107	108	106	104	97
5.00	115	112	110	113	111	109	109	107	106	98
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:0.1179A P:12.29W PF:0.8649 Lamp Flux:1194.32x1 lm		
NAME: ADL 12.5W ADR8WH 60°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR8WH 60°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

1125.8 lm

%lum = 94.3%

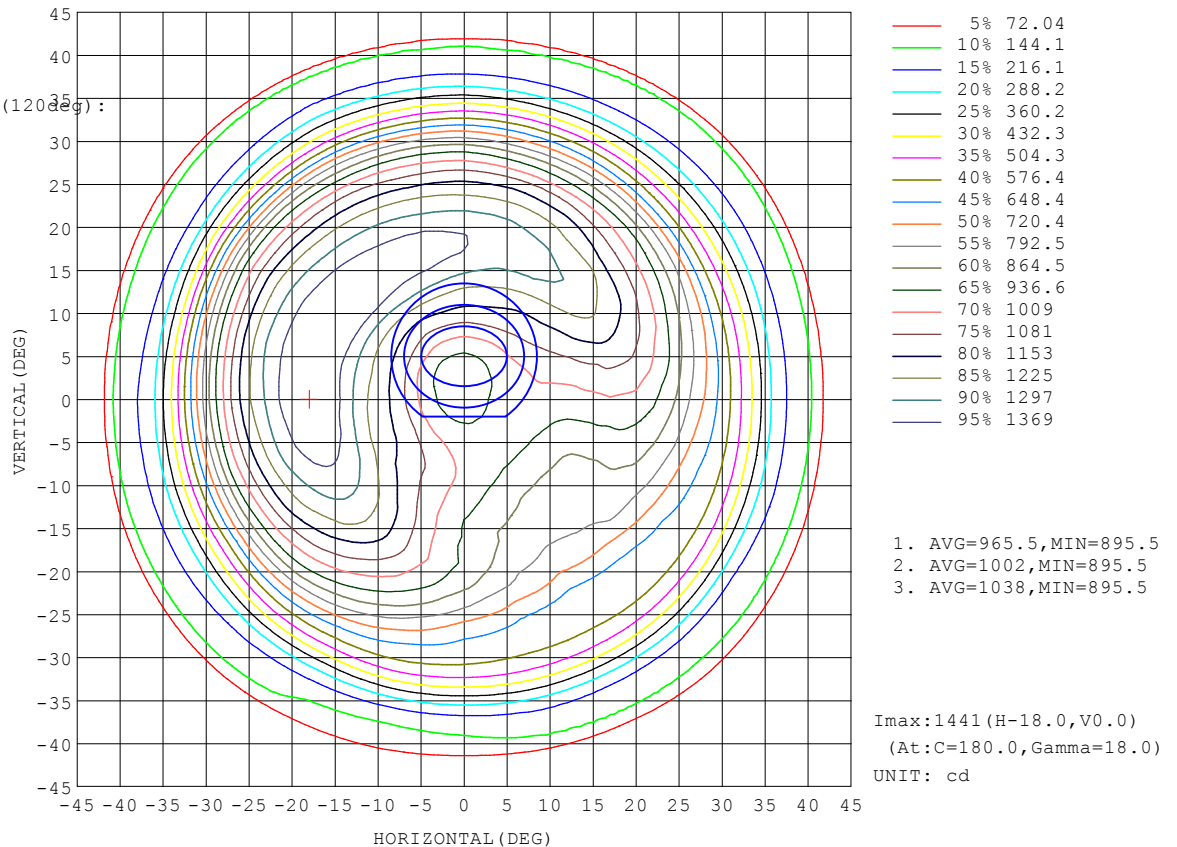
%lamp = 94.3%

Conical surface Flux(120deg):

1159.6 lm

%lum = 97.1%

%lamp = 97.1%

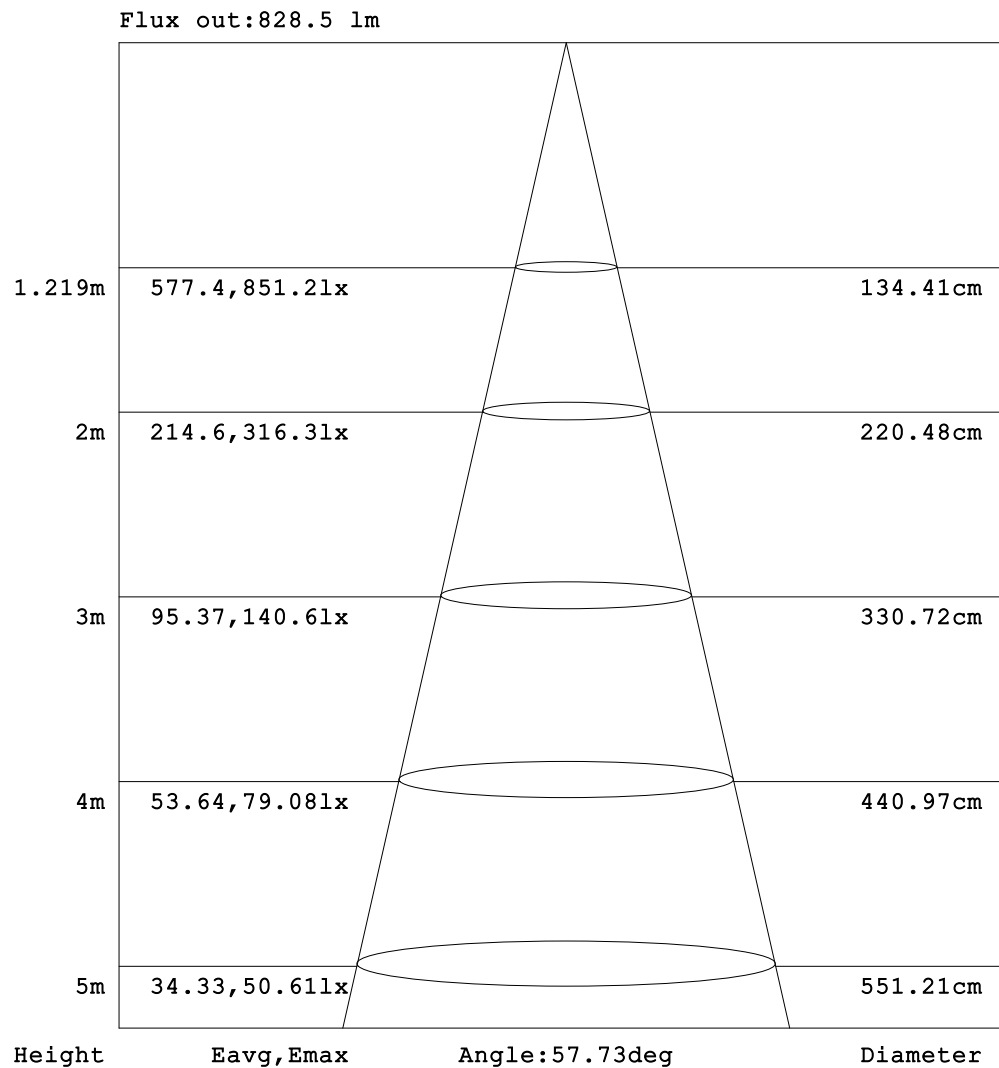


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-29

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:0.1179A P:12.29W PF:0.8649 Lamp Flux:1194.32x1 lm		
NAME: ADL 12.5W ADR8WH 60°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR8WH 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.

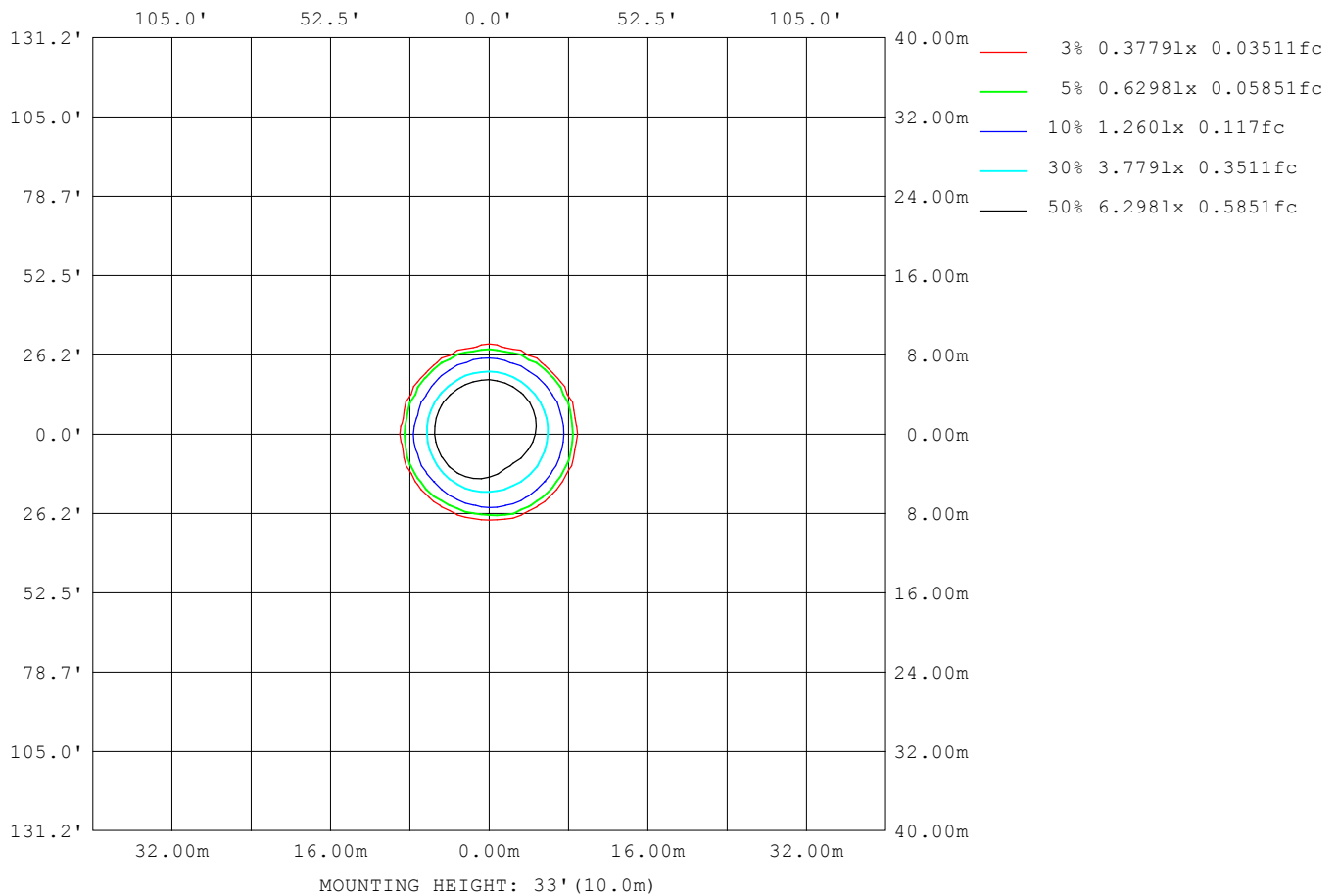
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-29

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

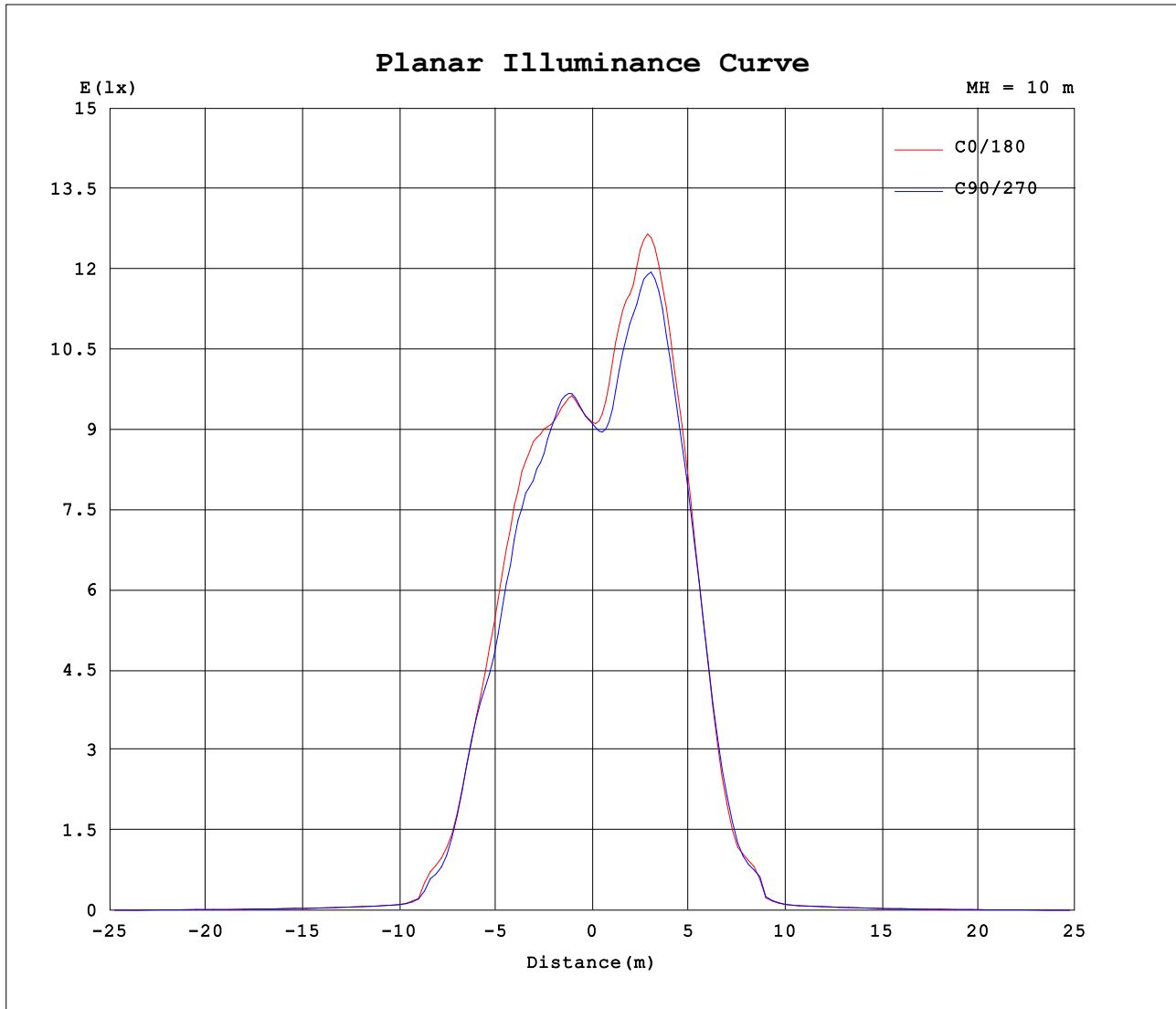
Test:U:120.5V I:0.1179A P:12.29W PF:0.8649 Lamp Flux:1194.32x1 lm		
NAME: ADL 12.5W ADR8WH 60°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR8WH 60°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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

$\gamma$  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:0.1179A P:12.29W PF:0.8649 Lamp Flux:1194.32x1 lm		
NAME: ADL 12.5W ADR8WH 60°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR8WH 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	913	913	913	912	912	912	911	910	909	909	908	909	913	913	913	912	912	912	911
5	966	962	960	955	955	959	970	983	997	1004	1010	1002	995	981	960	945	933	929	925
10	972	943	923	917	925	948	983	1029	1083	1137	1172	1188	1195	1188	1170	1151	1132	1136	1121
15	989	912	843	828	838	877	930	1023	1143	1251	1325	1376	1392	1378	1385	1389	1366	1350	1311
20	989	894	833	800	782	831	906	1004	1120	1227	1307	1378	1406	1407	1418	1398	1379	1372	1356
25	846	778	712	666	648	697	760	852	937	1023	1099	1166	1218	1240	1246	1217	1199	1174	1168
30	622	605	595	592	584	587	604	621	643	697	731	784	831	862	898	884	857	847	830
35	331	329	323	328	319	327	323	323	311	322	329	354	359	355	370	375	395	387	388
40	161	152	149	146	146	145	132	123	134	156	170	184	183	168	159	168	175	174	169
45	32.2	32.2	32.1	32.1	31.9	32.0	31.8	31.8	31.7	31.7	31.5	31.5	31.6	31.5	31.8	31.9	32.4	32.1	32.6
50	27.9	28.1	28.1	28.1	28.1	28.0	27.9	27.8	27.6	27.5	27.2	27.1	27.0	26.9	26.9	26.9	26.9	27.0	27.1
55	25.0	25.1	25.2	25.2	25.2	25.1	25.0	24.9	24.7	24.5	24.3	24.1	24.0	23.9	23.9	23.9	24.0	24.0	24.1
60	22.1	22.2	22.3	22.3	22.3	22.2	22.1	21.9	21.7	21.5	21.3	21.2	21.1	21.0	21.0	21.0	21.0	21.1	21.2
65	18.9	19.0	19.1	19.1	19.1	19.0	18.9	18.8	18.5	18.4	18.1	18.1	18.0	17.9	17.9	17.8	17.9	17.9	18.1
70	15.5	15.6	15.6	15.6	15.5	15.5	15.4	15.2	15.0	14.9	14.7	14.7	14.6	14.5	14.6	14.6	14.6	14.6	14.8
75	11.8	11.9	11.9	11.9	11.9	11.8	11.7	11.6	11.4	11.3	11.2	11.1	11.1	11.0	11.1	11.1	11.1	11.2	11.2
80	7.97	8.03	7.96	7.96	7.86	7.83	7.69	7.67	7.53	7.49	7.38	7.38	7.38	7.37	7.45	7.41	7.49	7.48	7.59
85	3.58	3.59	3.43	3.45	3.32	3.34	3.23	3.28	3.20	3.26	3.21	3.26	3.33	3.31	3.42	3.39	3.49	3.44	3.52
90	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
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	0.00	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
130	0.01	0.06	0.03	0.07	0.02	0.06	0.01	0.05	0.00	0.03	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.01
135	0.10	0.14	0.12	0.17	0.12	0.16	0.10	0.13	0.10	0.11	0.07	0.08	0.12	0.08	0.08	0.04	0.08	0.06	0.09
140	0.20	0.24	0.21	0.26	0.20	0.24	0.19	0.21	0.17	0.19	0.13	0.17	0.19	0.14	0.17	0.12	0.17	0.13	0.18
145	0.28	0.32	0.29	0.33	0.29	0.32	0.29	0.29	0.25	0.27	0.22	0.24	0.28	0.22	0.26	0.20	0.25	0.21	0.27
150	0.33	0.38	0.36	0.40	0.37	0.40	0.34	0.37	0.31	0.33	0.28	0.31	0.36	0.30	0.34	0.30	0.34	0.31	0.35
155	0.40	0.42	0.39	0.44	0.40	0.45	0.39	0.42	0.38	0.39	0.34	0.37	0.44	0.40	0.42	0.40	0.42	0.40	0.43
160	0.42	0.45	0.42	0.46	0.44	0.47	0.43	0.45	0.40	0.44	0.40	0.43	0.50	0.47	0.50	0.47	0.49	0.47	0.50
165	0.49	0.50	0.47	0.52	0.49	0.52	0.49	0.50	0.49	0.49	0.50	0.52	0.57	0.52	0.57	0.52	0.56	0.52	0.57
170	0.53	0.56	0.54	0.58	0.55	0.59	0.54	0.57	0.54	0.57	0.55	0.59	0.63	0.60	0.62	0.60	0.63	0.60	0.63
175	0.61	0.64	0.60	0.64	0.61	0.66	0.61	0.65	0.61	0.66	0.62	0.65	0.64	0.64	0.65	0.63	0.66	0.63	0.66
180	0.64	0.65	0.64	0.66	0.65	0.66	0.65	0.65	0.65	0.66	0.65	0.66	0.64	0.65	0.65	0.66	0.66	0.66	0.66

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  
γ 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:0.1179A P:12.29W PF:0.8649 Lamp Flux:1194.32x1 lm		
NAME: ADL 12.5W ADR8WH 60°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR8WH 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	910	909	909	908	909														
5	931	940	951	958	964														
10	1122	1107	1089	1063	1023														
15	1273	1256	1225	1174	1077														
20	1326	1297	1259	1177	1093														
25	1156	1111	1053	999	920														
30	785	765	722	685	651														
35	365	354	345	347	343														
40	161	164	170	164	160														
45	32.2	32.4	32.1	32.3	32.2														
50	27.2	27.3	27.4	27.6	27.8														
55	24.2	24.4	24.5	24.7	24.8														
60	21.3	21.5	21.6	21.8	21.9														
65	18.2	18.4	18.5	18.7	18.8														
70	14.8	15.0	15.1	15.2	15.4														
75	11.3	11.4	11.5	11.7	11.8														
80	7.60	7.73	7.77	7.90	7.94														
85	3.47	3.59	3.55	3.64	3.60														
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	0.00	0.00	0.00	0.00														
130	0.00	0.04	0.01	0.07	0.07														
135	0.09	0.12	0.10	0.16	0.13														
140	0.16	0.20	0.20	0.24	0.24														
145	0.24	0.29	0.27	0.33	0.31														
150	0.31	0.37	0.34	0.39	0.38														
155	0.40	0.43	0.40	0.45	0.42														
160	0.48	0.49	0.45	0.50	0.48														
165	0.52	0.56	0.51	0.55	0.51														
170	0.59	0.62	0.58	0.60	0.57														
175	0.63	0.66	0.64	0.66	0.62														
180	0.66	0.66	0.66	0.66	0.66														

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