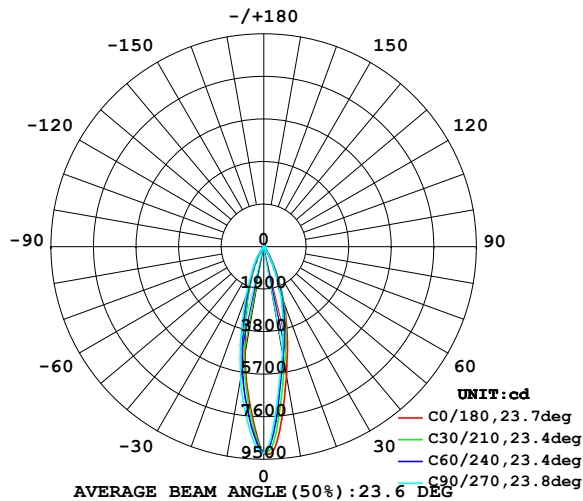


## LUMINAIRE PHOTOMETRIC TEST REPORT

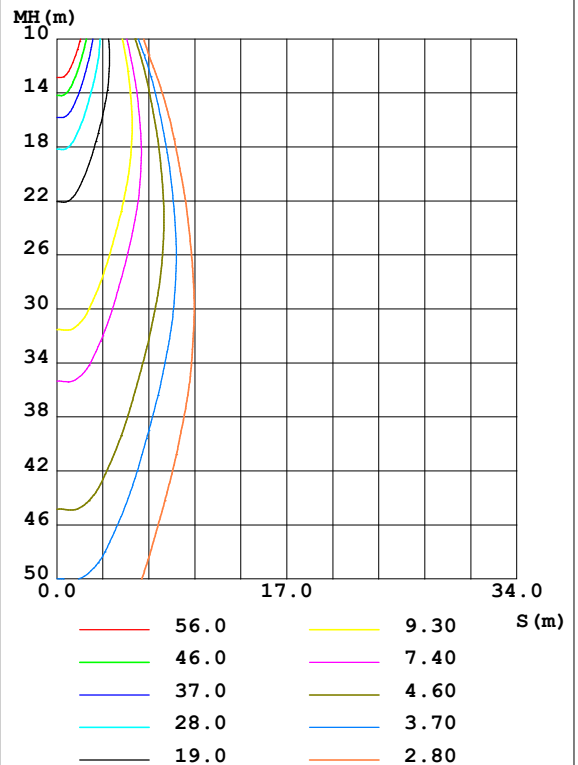
Test:U:120.4V I:0.2718A P:32.54W PF:0.9945 Lamp Flux:2514.93x1 lm		
NAME: ADL 30W ADR6WH 25°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR6WH 25°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 77.28 lm/W			
MODEL		I <sub>max</sub> (cd)	9353	S/MH (C0/180)	0.35
NOMINAL POWER (W)	30	LOR (%)	100.0	S/MH (C90/270)	0.44
RATED VOLTAGE (V)	120-277	TOTAL FLUX (lm)	2514.9	η UP, DN (C0-180)	0.0, 48.2
NOMINAL FLUX (lm)	2514.93	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.1, 51.7
LAMPS INSIDE	1	η up (%)	0.1	CIBSE SHR NOM	0.00
TEST VOLTAGE (V)	120	η down (%)	99.9	CIBSE SHR MAX	1.00

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	5842	5186	4831	4764	4838	5265	5992	6271	0- 10	651.4	651.4	25.9
20	2590	2466	2121	1891	1795	1929	2279	2536	10- 20	988.2	1640	65.2
30	710.8	497.9	409.2	466.3	530.2	602.8	721.3	765.3	20- 30	564.2	2204	87.6
40	116.8	112.0	106.0	99.63	98.16	102.4	110.4	114.3	30- 40	144.9	2349	93.4
50	58.24	57.92	55.20	50.96	48.35	47.52	50.56	54.90	40- 50	60.93	2410	95.8
60	42.54	43.02	40.88	37.70	35.40	34.27	36.58	40.30	50- 60	40.60	2450	97.4
70	30.64	30.93	28.82	25.85	23.80	22.96	25.25	28.68	60- 70	32.65	2483	98.7
80	17.99	17.71	15.15	12.27	10.80	10.71	13.18	16.48	70- 80	22.04	2505	99.6
90	1.822	0.6900	0	0	0	0	0	1.175	80- 90	7.446	2512	99.9
100	0	0	0	0	0	0	0	0	90-100	0.0276	2512	99.9
110	0	0	0	0	0	0	0	0	100-110	0	2512	99.9
120	0	0	0	0	0	0	0	0	110-120	0	2512	99.9
130	0.0957	0.1661	0.2106	0.2877	0.3645	0.2799	0.2495	0.1782	120-130	0.0571	2513	99.9
140	0.6247	0.7217	0.7843	0.8625	0.9897	0.8928	0.8236	0.7209	130-140	0.3752	2513	99.9
150	1.225	1.316	1.353	1.398	1.551	1.505	1.462	1.353	140-150	0.6902	2514	99.9
160	1.608	1.608	1.634	1.611	1.721	1.732	1.720	1.710	150-160	0.7211	2514	100
170	1.570	1.532	1.525	1.467	1.525	1.583	1.608	1.640	160-170	0.4664	2515	100
180	1.455	1.462	1.468	1.487	1.455	1.474	1.462	1.493	170-180	0.1432	2515	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

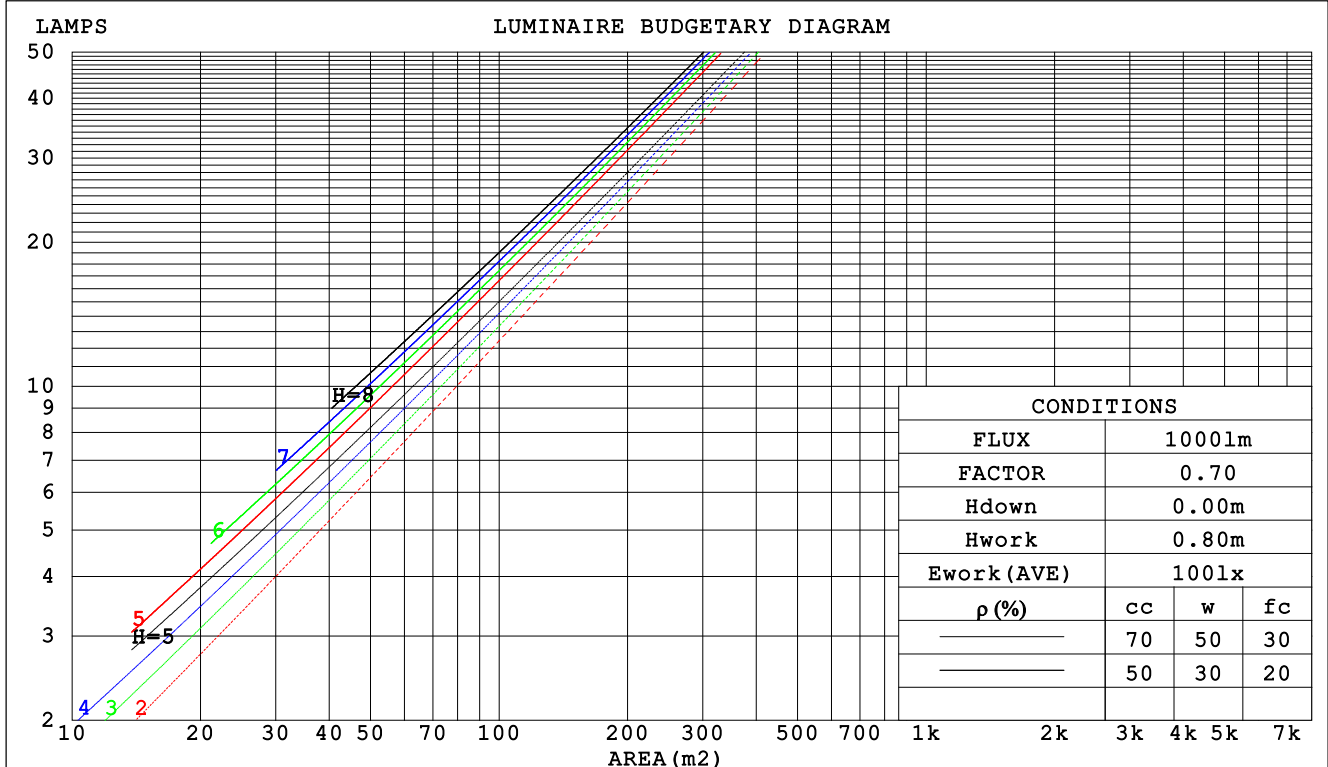
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-31

$\gamma$  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:0.2718A P:32.54W PF:0.9945 Lamp Flux:2514.93x1 lm		
NAME: ADL 30W ADR6WH 25°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR6WH 25°	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	Coefficients of Utilization(CU)															
RCR:Room Cavity Ratio																
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	1.12	1.09	1.07	1.09	1.07	1.06	1.05	1.04	1.02	1.02	1.00	.99	.98	.97	.96	.95
2.0	1.05	1.02	.99	1.03	1.00	.97	1.00	.98	.95	.97	.95	.93	.95	.93	.91	.90
3.0	.90	.95	.92	.98	.94	.91	.96	.92	.90	.93	.91	.88	.91	.89	.87	.86
4.0	.95	.90	.86	.94	.89	.86	.91	.88	.85	.90	.86	.84	.88	.85	.83	.82
5.0	.90	.85	.82	.89	.85	.82	.88	.84	.81	.86	.83	.80	.85	.82	.79	.78
6.0	.86	.81	.78	.86	.81	.78	.84	.80	.77	.83	.79	.77	.82	.79	.76	.75
7.0	.83	.78	.75	.82	.78	.74	.81	.77	.74	.80	.76	.74	.79	.76	.73	.72
8.0	.80	.75	.72	.79	.75	.71	.78	.74	.71	.77	.74	.71	.76	.73	.71	.69
9.0	.77	.72	.69	.76	.72	.69	.75	.71	.68	.75	.71	.68	.74	.71	.68	.67
10.0	.74	.69	.66	.74	.69	.66	.73	.69	.66	.72	.69	.66	.72	.68	.66	.65



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:0.2718A P:32.54W PF:0.9945 Lamp Flux:2514.93x1 lm		
NAME: ADL 30W ADR6WH 25°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR6WH 25°	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	.162	.092	.029	.155	.088	.028	.143	.082	.026	.131	.076	.024	.120	.070	.022		
2.0	.151	.083	.025	.145	.080	.025	.135	.075	.023	.125	.070	.022	.116	.066	.021		
3.0	.140	.075	.022	.136	.073	.022	.127	.069	.021	.119	.065	.020	.111	.062	.019		
4.0	.132	.068	.020	.128	.067	.020	.120	.064	.019	.113	.061	.018	.107	.058	.018		
5.0	.124	.063	.018	.120	.062	.018	.114	.059	.017	.108	.057	.017	.102	.055	.016		
6.0	.117	.059	.017	.114	.058	.017	.108	.056	.016	.103	.054	.016	.098	.052	.015		
7.0	.111	.055	.016	.108	.054	.015	.104	.052	.015	.099	.051	.015	.095	.049	.014		
8.0	.106	.052	.015	.103	.051	.014	.099	.049	.014	.095	.048	.014	.091	.047	.014		
9.0	.101	.049	.014	.099	.048	.014	.095	.047	.013	.091	.046	.013	.088	.045	.013		
10.0	.096	.046	.013	.095	.046	.013	.091	.045	.013	.088	.044	.012	.085	.043	.012		

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	.112	.112	.112	.064	.064	.064	.020	.020	.020	
1.0	.171	.158	.147	.146	.136	.126	.100	.093	.087	.058	.054	.051	.018	.017	.016	
2.0	.154	.133	.116	.132	.115	.100	.090	.079	.070	.052	.046	.041	.017	.015	.013	
3.0	.140	.114	.093	.120	.099	.081	.083	.068	.057	.048	.040	.033	.015	.013	.011	
4.0	.129	.099	.077	.110	.086	.067	.076	.060	.047	.044	.035	.028	.014	.011	.009	
5.0	.119	.087	.064	.102	.075	.055	.070	.053	.039	.041	.031	.023	.013	.010	.008	
6.0	.110	.077	.054	.095	.067	.047	.065	.047	.033	.038	.028	.020	.012	.009	.007	
7.0	.103	.069	.046	.089	.060	.040	.061	.042	.028	.036	.025	.017	.011	.008	.006	
8.0	.097	.063	.040	.083	.055	.035	.058	.038	.025	.034	.023	.015	.011	.007	.005	
9.0	.091	.057	.035	.079	.050	.030	.054	.035	.021	.032	.021	.013	.010	.007	.004	
10.0	.086	.053	.030	.074	.046	.027	.052	.032	.019	.030	.019	.011	.010	.006	.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:0.2718A P:32.54W PF:0.9945 Lamp Flux:2514.93x1 lm										
NAME: ADL 30W ADR6WH 25°					TYPE:LED			WEIGHT:		
SPEC.:ADL 30W ADR6WH 25°					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	3.2	4.0	3.4	4.2	4.3	2.1	2.9	2.3	3.0	3.2
3H	4.4	5.1	4.6	5.3	5.5	3.6	4.3	3.8	4.5	4.7
4H	5.1	5.7	5.3	6.0	6.2	4.3	5.0	4.6	5.2	5.4
6H	5.7	6.4	6.0	6.6	6.8	4.9	5.6	5.2	5.8	6.1
8H	6.0	6.6	6.3	6.9	7.1	5.2	5.8	5.5	6.1	6.3
12H	6.3	6.9	6.6	7.1	7.4	5.3	5.9	5.7	6.2	6.5
4H 2H	3.6	4.3	3.9	4.5	4.7	2.7	3.4	3.0	3.6	3.8
3H	5.0	5.7	5.4	5.9	6.2	4.4	5.0	4.7	5.3	5.6
4H	5.9	6.4	6.2	6.7	7.0	5.3	5.9	5.7	6.2	6.5
6H	6.7	7.2	7.1	7.5	7.9	6.1	6.6	6.5	6.9	7.3
8H	7.1	7.6	7.5	7.9	8.3	6.4	6.9	6.8	7.2	7.6
12H	7.4	7.9	7.8	8.2	8.6	6.6	7.1	7.0	7.4	7.8
8H 4H	6.2	6.7	6.6	7.0	7.4	5.7	6.2	6.1	6.5	6.9
6H	7.2	7.6	7.7	8.0	8.4	6.7	7.1	7.1	7.5	7.9
8H	7.7	8.1	8.2	8.5	8.9	7.1	7.5	7.6	7.9	8.3
12H	8.2	8.5	8.7	8.9	9.4	7.4	7.7	7.9	8.2	8.6
12H 4H	6.2	6.7	6.6	7.0	7.4	5.8	6.2	6.2	6.6	6.9
6H	7.3	7.7	7.8	8.1	8.5	6.8	7.2	7.3	7.6	8.0
8H	7.9	8.2	8.3	8.6	9.1	7.3	7.6	7.8	8.0	8.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.3 / - 0.3				
1.5H	+ 0.2 / - 0.2					+ 0.1 / - 0.2				
2.0H	+ 0.4 / - 0.2					+ 0.2 / - 0.2				

CIE Pub.117 Corrected 2515 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.2)

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:0.2718A P:32.54W PF:0.9945 Lamp Flux:2514.93x1 lm		
NAME: ADL 30W ADR6WH 25°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR6WH 25°	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) $k(RI) \times RCR = 5$									
$k = 0.60$	88	81	77	87	81	77	86	81	77	74
0.80	95	89	85	94	89	85	93	88	85	81
1.00	99	93	90	98	93	89	97	93	89	85
1.25	103	98	94	102	97	94	100	96	93	89
1.50	106	101	97	104	100	97	102	98	96	91
2.00	108	104	101	107	103	100	104	101	98	93
2.50	110	106	103	108	105	102	105	102	100	94
3.00	111	108	105	110	107	104	106	104	102	95
4.00	114	111	108	112	109	107	108	106	104	97
5.00	115	113	111	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:2018-05-31

$\gamma$  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:0.2718A P:32.54W PF:0.9945 Lamp Flux:2514.93x1 lm		
NAME: ADL 30W ADR6WH 25°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR6WH 25°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

2384 lm

%lum = 94.8%

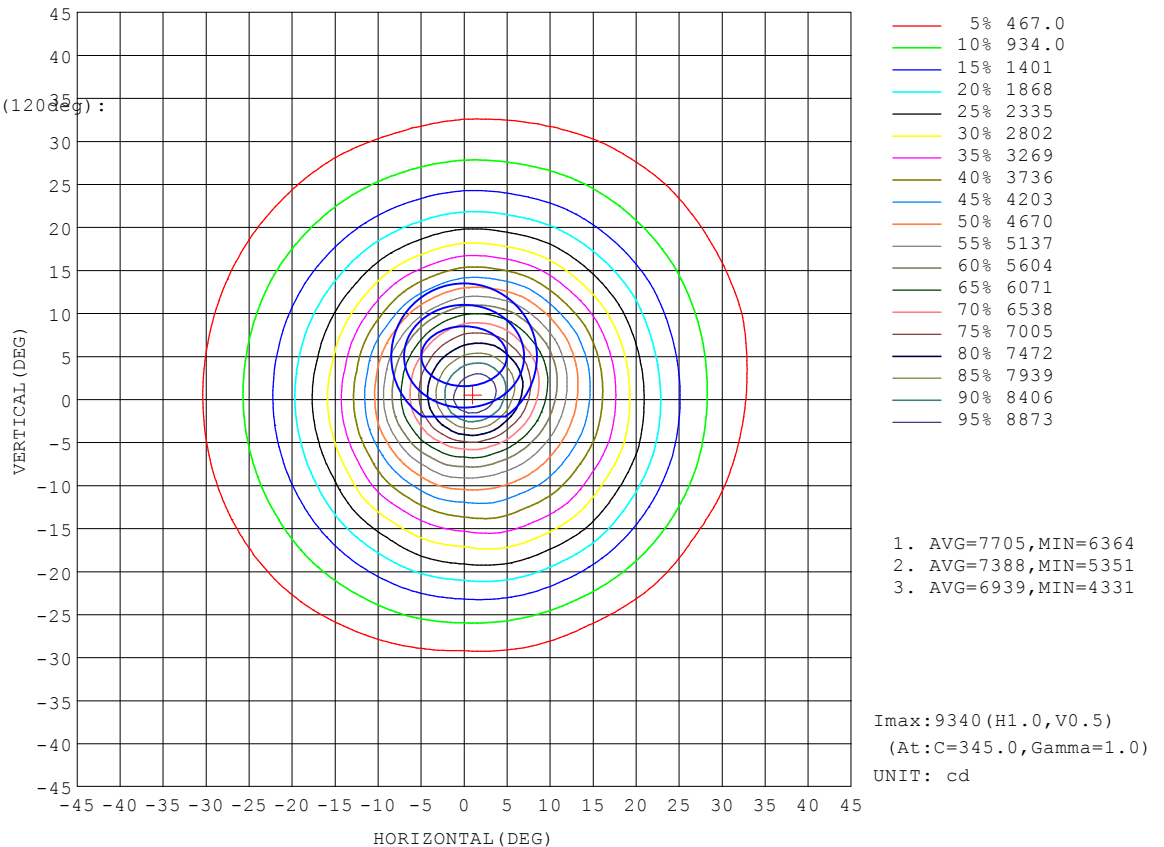
%lamp = 94.8%

Conical surface Flux(120deg):

2450.3 lm

%lum = 97.4%

%lamp = 97.4%

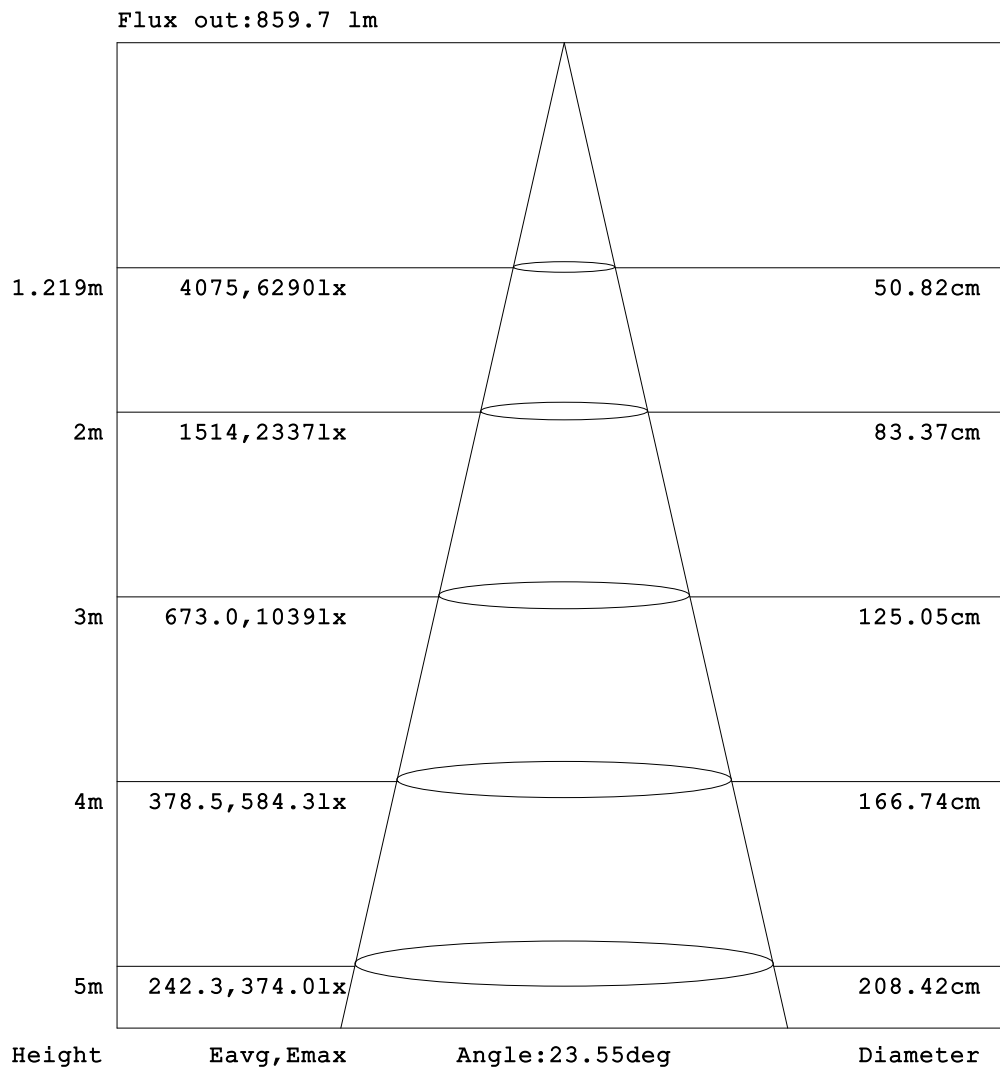


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-31

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:0.2718A P:32.54W PF:0.9945 Lamp Flux:2514.93x1 lm		
NAME: ADL 30W ADR6WH 25°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR6WH 25°	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.

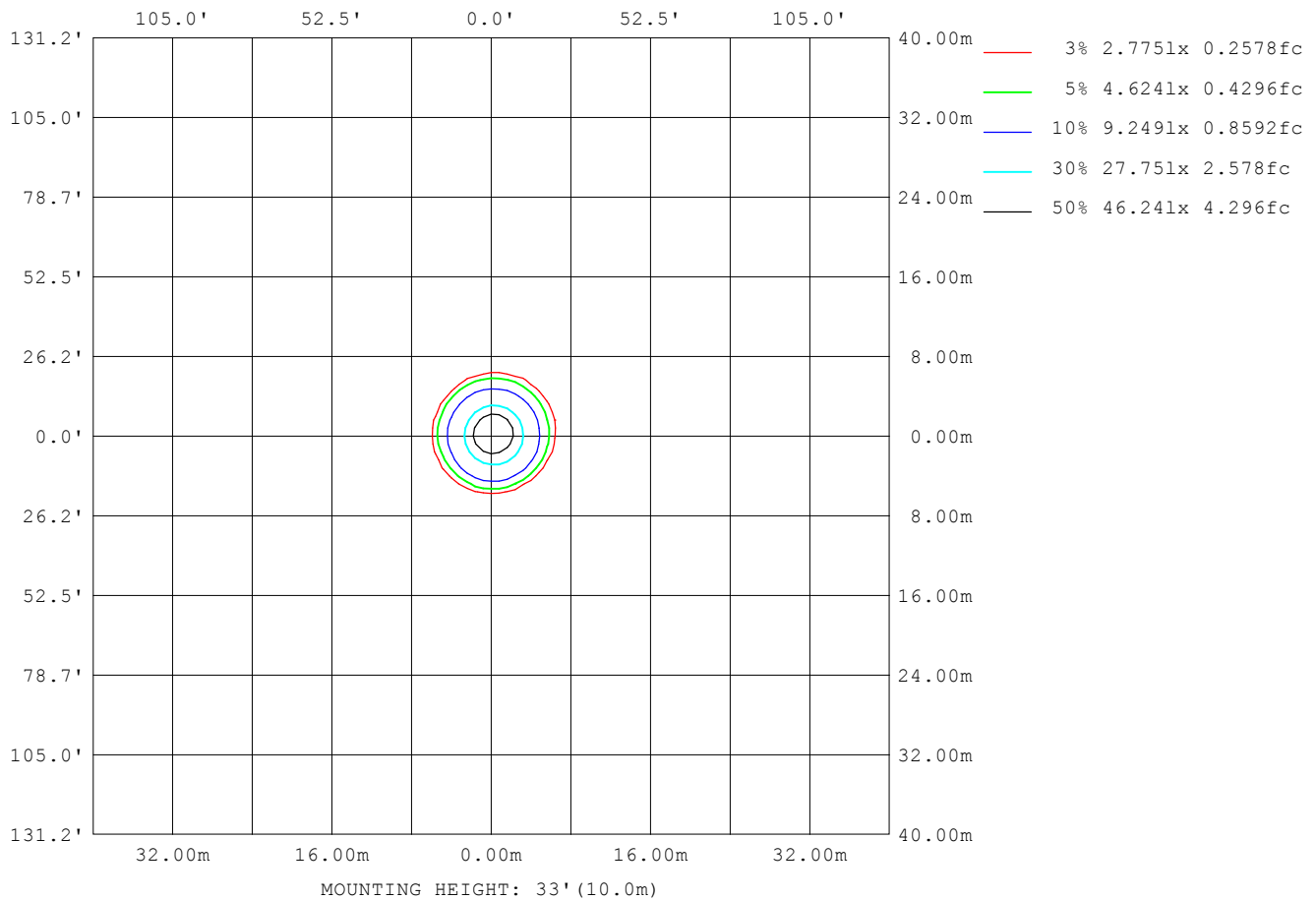
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-31

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

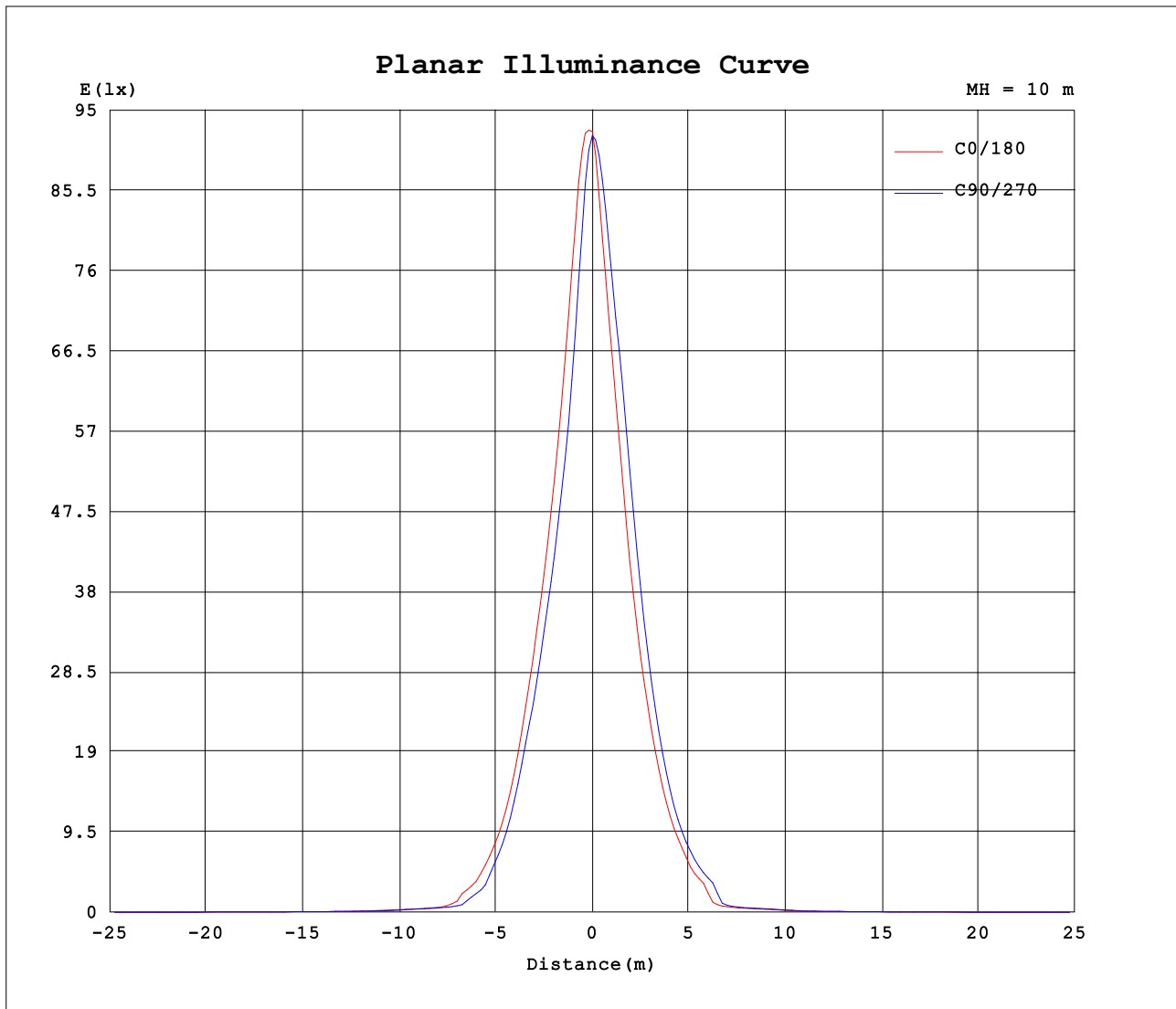
Test:U:120.4V I:0.2718A P:32.54W PF:0.9945 Lamp Flux:2514.93x1 lm		
NAME: ADL 30W ADR6WH 25°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR6WH 25°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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

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: 2018-05-31

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:0.2718A P:32.54W PF:0.9945 Lamp Flux:2514.93x1 lm		
NAME: ADL 30W ADR6WH 25°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR6WH 25°	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	9249	9221	9216	9199	9202	9198	9200	9210	9210	9232	9226	9257	9249	9221	9216	9199	9202	9198	9200
5	8218	8009	7692	7480	7221	7090	6951	6913	6876	6937	6953	7061	7104	7175	7292	7425	7610	7764	7992
10	5842	5606	5360	5186	5016	4906	4831	4836	4760	4764	4755	4823	4838	4897	5095	5265	5513	5744	5992
15	4076	3980	3831	3749	3612	3551	3366	3279	3179	3170	3052	3036	3055	3050	3173	3297	3490	3633	3854
20	2590	2602	2496	2466	2332	2266	2121	2061	1942	1891	1815	1785	1795	1823	1872	1929	2055	2145	2279
25	1421	1405	1340	1267	1182	1133	1080	1067	1037	1025	998	1001	1023	1040	1075	1110	1168	1216	1282
30	711	665	559	498	424	436	409	430	444	466	485	512	530	552	588	603	644	675	721
35	243	207	203	173	163	154	142	134	129	127	125	124	125	125	127	127	132	141	157
40	117	116	113	112	110	106	106	103	101	99.6	98.5	95.7	98.2	100	104	102	107	108	110
45	94.0	93.3	91.3	90.0	84.1	82.1	77.9	74.2	72.8	69.8	63.4	61.6	63.6	63.3	67.1	68.2	75.3	75.8	84.1
50	58.2	58.5	57.7	57.9	57.2	56.4	55.2	53.9	52.4	51.0	49.6	48.6	48.4	47.8	47.8	47.5	48.2	49.2	50.6
55	49.3	49.5	49.4	49.7	49.0	48.2	47.3	46.2	44.9	43.8	42.6	41.7	41.3	40.7	40.5	40.2	40.7	41.5	42.7
60	42.5	42.8	42.8	43.0	42.4	41.8	40.9	39.9	38.8	37.7	36.6	35.7	35.4	34.8	34.6	34.3	34.8	35.5	36.6
65	36.5	36.8	36.7	36.9	36.4	35.7	34.9	34.0	32.9	31.8	30.8	29.9	29.7	29.1	29.0	28.7	29.2	29.9	30.9
70	30.6	30.8	30.7	30.9	30.4	29.7	28.8	27.9	26.8	25.8	24.8	24.1	23.8	23.3	23.2	23.0	23.5	24.2	25.3
75	24.5	24.7	24.5	24.7	24.0	23.3	22.4	21.5	20.4	19.5	18.5	17.7	17.6	17.2	17.2	17.0	17.6	18.3	19.4
80	18.0	18.0	17.7	17.7	17.0	16.2	15.1	14.2	13.1	12.3	11.4	10.8	10.8	10.6	10.8	10.7	11.4	12.1	13.2
85	10.5	10.4	9.85	9.69	8.76	7.91	6.82	5.89	4.83	4.09	3.39	3.06	3.24	3.31	3.67	3.82	4.57	5.34	6.37
90	1.82	1.61	1.02	0.69	0.01	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	0.03	0.00	0.04	0.03	0.08	0.05	0.08	0.13	0.09	0.09	0.08	0.10	0.03	0.06
130	0.10	0.15	0.12	0.17	0.14	0.21	0.21	0.25	0.24	0.29	0.26	0.29	0.36	0.31	0.32	0.28	0.29	0.21	0.25
135	0.33	0.37	0.36	0.42	0.39	0.46	0.47	0.52	0.50	0.55	0.52	0.56	0.65	0.59	0.60	0.55	0.56	0.48	0.50
140	0.62	0.66	0.66	0.72	0.70	0.78	0.78	0.83	0.82	0.86	0.84	0.87	0.99	0.91	0.93	0.89	0.89	0.82	0.82
145	0.94	0.98	0.99	1.05	1.02	1.09	1.09	1.14	1.12	1.16	1.14	1.16	1.30	1.24	1.26	1.23	1.23	1.14	1.17
150	1.23	1.27	1.26	1.32	1.31	1.36	1.35	1.40	1.37	1.40	1.39	1.42	1.55	1.49	1.52	1.51	1.50	1.43	1.46
155	1.45	1.49	1.47	1.52	1.51	1.56	1.54	1.58	1.56	1.58	1.56	1.57	1.71	1.65	1.68	1.67	1.68	1.62	1.67
160	1.61	1.63	1.61	1.61	1.61	1.64	1.63	1.62	1.61	1.61	1.61	1.61	1.72	1.70	1.71	1.73	1.71	1.72	1.72
165	1.61	1.63	1.62	1.61	1.63	1.63	1.63	1.61	1.61	1.56	1.60	1.59	1.68	1.69	1.67	1.71	1.67	1.70	1.72
170	1.57	1.54	1.57	1.53	1.54	1.52	1.53	1.48	1.48	1.47	1.49	1.46	1.53	1.57	1.54	1.58	1.57	1.61	1.61
175	1.49	1.45	1.47	1.46	1.47	1.45	1.44	1.44	1.42	1.43	1.43	1.41	1.46	1.46	1.45	1.49	1.46	1.49	1.47
180	1.46	1.44	1.45	1.46	1.46	1.44	1.47	1.47	1.46	1.49	1.46	1.46	1.46	1.44	1.45	1.47	1.45	1.46	1.46

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:0.2718A P:32.54W PF:0.9945 Lamp Flux:2514.93x1 lm		
NAME: ADL 30W ADR6WH 25°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR6WH 25°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	9210	9210	9232	9226	9257														
5	8138	8335	8422	8493	8439														
10	6167	6300	6271	6238	6099														
15	3966	4144	4163	4241	4183														
20	2337	2475	2536	2612	2608														
25	1319	1392	1419	1452	1428														
30	746	769	765	772	755														
35	193	194	235	292	290														
40	111	119	114	117	119														
45	83.8	89.6	90.7	96.1	95.7														
50	51.9	53.3	54.9	57.0	58.2														
55	44.0	45.5	46.9	48.1	49.1														
60	37.7	39.1	40.3	41.5	42.4														
65	32.0	33.3	34.4	35.6	36.4														
70	26.3	27.6	28.7	29.8	30.6														
75	20.5	21.7	22.8	23.8	24.5														
80	14.2	15.4	16.5	17.5	18.1														
85	7.33	8.47	9.35	10.2	10.7														
90	0.02	0.50	1.18	1.84	2.09														
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	0.03	0.00	0.01	0.00														
130	0.20	0.22	0.18	0.19	0.16														
135	0.45	0.45	0.41	0.45	0.41														
140	0.76	0.77	0.72	0.76	0.72														
145	1.10	1.11	1.05	1.09	1.05														
150	1.39	1.40	1.35	1.39	1.35														
155	1.61	1.63	1.58	1.61	1.57														
160	1.72	1.72	1.71	1.70	1.72														
165	1.73	1.72	1.72	1.70	1.71														
170	1.65	1.62	1.64	1.61	1.65														
175	1.52	1.52	1.54	1.51	1.53														
180	1.47	1.46	1.49	1.47	1.47														

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: