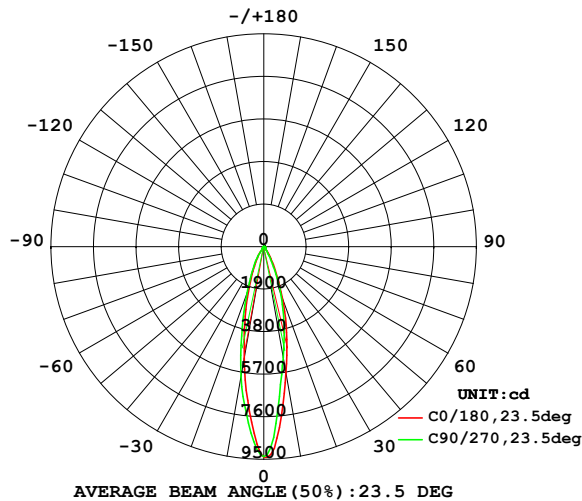


## LUMINAIRE PHOTOMETRIC TEST REPORT

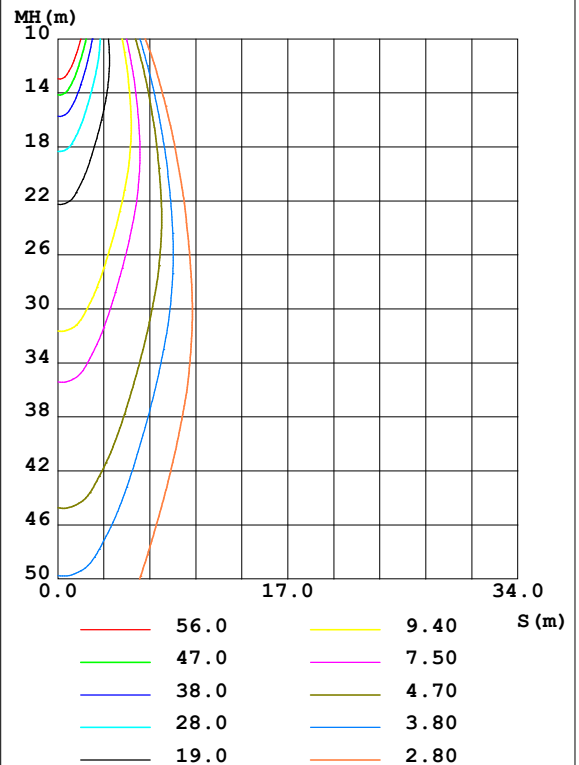
Test:U:120.4V I:0.2721A P:32.58W PF:0.9945 Lamp Flux:2546.02x1 lm		
NAME: ADL 30W ADR8WH 25°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR8WH 25°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 78.15 lm/W			
MODEL		I <sub>max</sub> (cd)	9422	S/MH (C0/180)	0.37
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH (C90/270)	0.42
RATED VOLTAGE(V)	120-277	TOTAL FLUX (lm)	2546.0	η UP,DN (C0-180)	0.0,49.4
NOMINAL FLUX(lm)	2546.02	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.1,50.5
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	5723	5264	5033	5059	5084	5335	5868	6030	0- 10	660.1	660.1	25.9
20	2454	2482	2254	2056	1908	1954	2193	2363	10- 20	994.4	1655	65
30	709.9	603.4	550.8	590.4	598.5	634.1	718.3	757.3	20- 30	574.5	2229	87.6
40	111.4	110.6	105.4	98.56	94.38	97.48	104.3	105.4	30- 40	171.4	2400	94.3
50	48.79	50.05	48.95	46.06	42.74	41.06	42.46	45.59	40- 50	53.49	2454	96.4
60	36.05	37.24	36.82	34.65	31.81	30.15	31.11	33.57	50- 60	35.27	2489	97.8
70	25.86	26.94	26.45	24.34	21.70	20.28	21.24	23.54	60- 70	28.60	2518	98.9
80	14.68	15.46	14.61	12.47	10.12	9.187	10.29	12.54	70- 80	19.28	2537	99.6
90	0.7824	0.7345	0.0168	0	0	0	0	0.0104	80- 90	6.416	2544	99.9
100	0	0	0	0	0	0	0	0	90-100	0.0102	2544	99.9
110	0	0	0	0	0	0	0	0	100-110	0	2544	99.9
120	0	0	0	0	0	0	0	0	110-120	0	2544	99.9
130	0.1402	0.1918	0.1845	0.2558	0.3389	0.2870	0.2748	0.2040	120-130	0.0615	2544	99.9
140	0.6764	0.7535	0.7655	0.8365	0.9643	0.9189	0.8753	0.7911	130-140	0.3872	2544	99.9
150	1.282	1.341	1.346	1.386	1.545	1.500	1.487	1.410	140-150	0.7022	2545	99.9
160	1.627	1.647	1.640	1.634	1.736	1.736	1.762	1.730	150-160	0.7303	2545	100
170	1.602	1.551	1.571	1.500	1.563	1.615	1.640	1.653	160-170	0.4744	2546	100
180	1.455	1.462	1.455	1.481	1.455	1.468	1.455	1.474	170-180	0.1454	2546	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

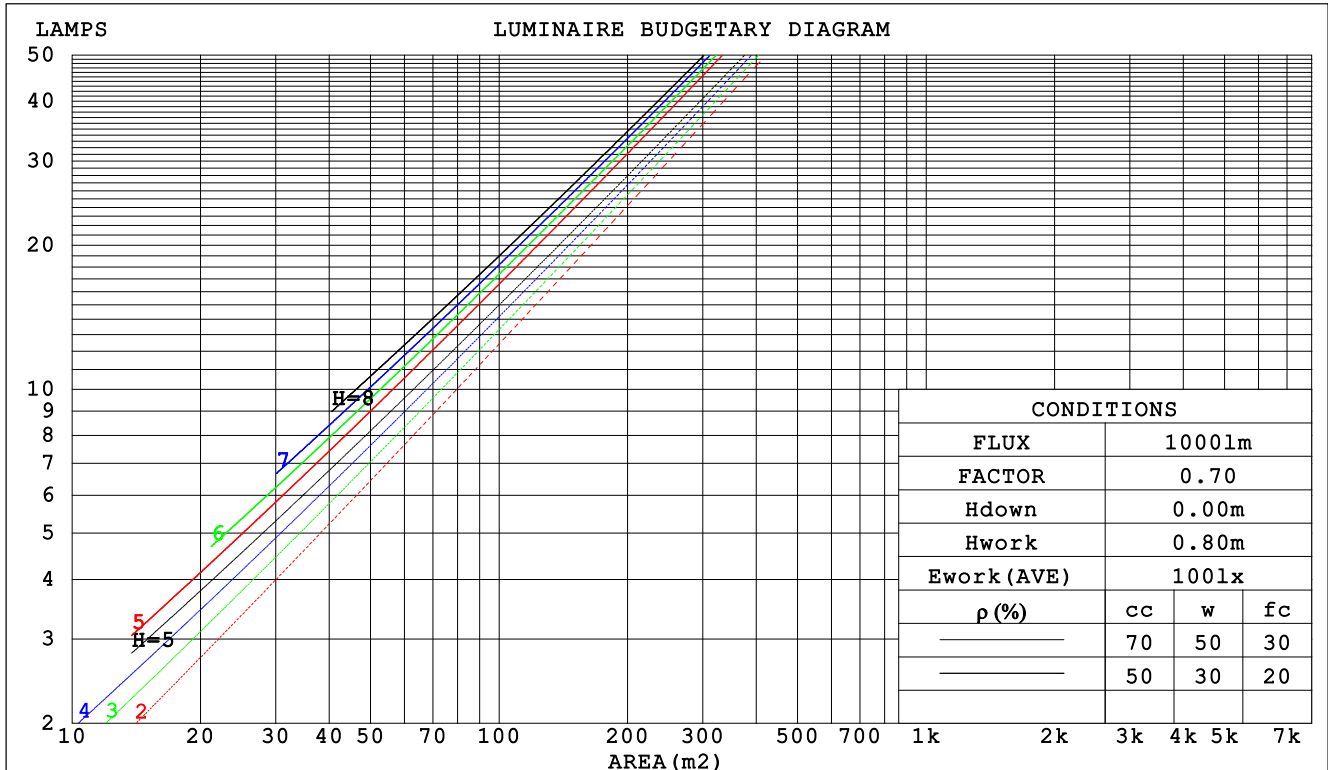
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-31

$\gamma$  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:0.2721A P:32.58W PF:0.9945 Lamp Flux:2546.02x1 lm		
NAME: ADL 30W ADR8WH 25°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR8WH 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	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	1.12	1.09	1.07	1.10	1.08	1.06	1.05	1.04	1.02	1.02	1.01	.99	.98	.97	.97	.95
2.0	1.05	1.02	.99	1.04	1.00	.98	1.00	.98	.96	.97	.95	.94	.95	.93	.92	.90
3.0	.90	.95	.92	.98	.94	.91	.96	.93	.90	.93	.91	.89	.91	.89	.87	.86
4.0	.95	.90	.87	.94	.89	.86	.92	.88	.85	.90	.87	.84	.88	.85	.83	.82
5.0	.91	.86	.82	.90	.85	.82	.88	.84	.81	.86	.83	.80	.85	.82	.80	.78
6.0	.87	.82	.78	.86	.81	.78	.84	.80	.77	.83	.80	.77	.82	.79	.76	.75
7.0	.83	.78	.75	.82	.78	.75	.81	.77	.74	.80	.77	.74	.79	.76	.73	.72
8.0	.80	.75	.72	.79	.75	.72	.78	.74	.71	.77	.74	.71	.77	.73	.71	.70
9.0	.77	.72	.69	.76	.72	.69	.76	.71	.69	.75	.71	.68	.74	.71	.68	.67
10.0	.74	.70	.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:0.2721A P:32.58W PF:0.9945 Lamp Flux:2546.02x1 lm		
NAME: ADL 30W ADR8WH 25°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR8WH 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	.160	.091	.029	.153	.087	.028	.141	.081	.026	.129	.075	.024	.119	.069	.022		
2.0	.149	.082	.025	.144	.079	.024	.133	.074	.023	.123	.069	.022	.115	.065	.020		
3.0	.139	.074	.022	.135	.072	.022	.126	.068	.021	.118	.064	.020	.110	.061	.019		
4.0	.131	.068	.020	.127	.066	.020	.119	.063	.019	.112	.060	.018	.106	.057	.018		
5.0	.123	.063	.018	.120	.061	.018	.113	.059	.017	.107	.057	.017	.102	.054	.016		
6.0	.116	.058	.017	.114	.057	.017	.108	.055	.016	.103	.053	.016	.098	.051	.015		
7.0	.111	.055	.015	.108	.054	.015	.103	.052	.015	.098	.050	.015	.094	.049	.014		
8.0	.105	.051	.014	.103	.051	.014	.099	.049	.014	.095	.048	.014	.091	.047	.014		
9.0	.101	.049	.014	.099	.048	.013	.095	.047	.013	.091	.046	.013	.088	.044	.013		
10.0	.096	.046	.013	.094	.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	.094	.120	.099	.081	.082	.068	.057	.048	.040	.034	.015	.013	.011	
4.0	.128	.099	.077	.110	.086	.067	.076	.060	.047	.044	.035	.028	.014	.011	.009	
5.0	.119	.087	.064	.102	.075	.056	.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	.088	.060	.040	.061	.042	.028	.036	.025	.017	.011	.008	.006	
8.0	.097	.063	.040	.083	.055	.035	.058	.038	.025	.033	.023	.015	.011	.007	.005	
9.0	.091	.057	.035	.078	.050	.030	.054	.035	.021	.032	.021	.013	.010	.007	.004	
10.0	.086	.053	.031	.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:0.2721A P:32.58W PF:0.9945 Lamp Flux:2546.02x1 lm										
NAME: ADL 30W ADR8WH 25°					TYPE:LED			WEIGHT:		
SPEC.:ADL 30W ADR8WH 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	2.8	3.6	3.0	3.7	3.9	1.9	2.7	2.2	2.9	3.0
3H	3.7	4.5	4.0	4.7	4.8	3.2	3.9	3.4	4.1	4.3
4H	4.3	5.0	4.6	5.2	5.4	3.9	4.6	4.1	4.8	5.0
6H	4.9	5.5	5.1	5.7	6.0	4.5	5.2	4.8	5.4	5.6
8H	5.1	5.7	5.4	6.0	6.2	4.8	5.4	5.1	5.6	5.9
12H	5.3	5.9	5.6	6.2	6.4	5.0	5.6	5.3	5.8	6.1
4H 2H	3.1	3.8	3.3	4.0	4.2	2.4	3.0	2.6	3.3	3.5
3H	4.3	4.9	4.6	5.2	5.5	3.9	4.5	4.2	4.8	5.0
4H	5.1	5.6	5.4	5.9	6.2	4.8	5.3	5.1	5.6	5.9
6H	5.8	6.3	6.2	6.6	7.0	5.6	6.1	5.9	6.4	6.7
8H	6.1	6.6	6.5	6.9	7.3	5.9	6.4	6.3	6.7	7.1
12H	6.4	6.8	6.8	7.2	7.6	6.2	6.6	6.6	6.9	7.3
8H 4H	5.4	5.8	5.8	6.2	6.5	5.1	5.6	5.5	5.9	6.3
6H	6.3	6.7	6.7	7.1	7.5	6.1	6.5	6.5	6.9	7.3
8H	6.7	7.1	7.2	7.5	7.9	6.6	6.9	7.0	7.3	7.7
12H	7.1	7.4	7.6	7.9	8.3	6.9	7.2	7.4	7.7	8.1
12H 4H	5.4	5.8	5.8	6.2	6.6	5.1	5.6	5.5	5.9	6.3
6H	6.4	6.7	6.8	7.1	7.6	6.2	6.5	6.7	7.0	7.4
8H	6.9	7.2	7.4	7.6	8.1	6.7	7.0	7.2	7.4	7.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.4					+ 0.3 / - 0.3				
1.5H	+ 0.8 / - 0.3					+ 0.3 / - 0.3				
2.0H	+ 0.4 / - 0.2					+ 0.2 / - 0.2				

CIE Pub.117 Corrected 2546 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:0.2721A P:32.58W PF:0.9945 Lamp Flux:2546.02x1 lm		
NAME: ADL 30W ADR8WH 25°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR8WH 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	82	78	88	82	78	87	81	78	74
0.80	95	90	86	95	89	86	93	89	85	82
1.00	99	94	90	99	93	90	97	93	89	86
1.25	103	98	95	102	98	94	100	96	93	89
1.50	106	101	98	105	100	97	102	99	96	92
2.00	108	104	101	107	103	100	104	101	99	94
2.50	110	106	103	109	105	102	105	103	100	95
3.00	112	108	105	110	107	104	106	104	102	96
4.00	114	111	109	112	109	107	108	106	105	97
5.00	115	113	111	113	111	109	109	107	106	99
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:0.2721A P:32.58W PF:0.9945 Lamp Flux:2546.02x1 lm		
NAME: ADL 30W ADR8WH 25°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR8WH 25°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

2432.7 lm

%lum = 95.6%

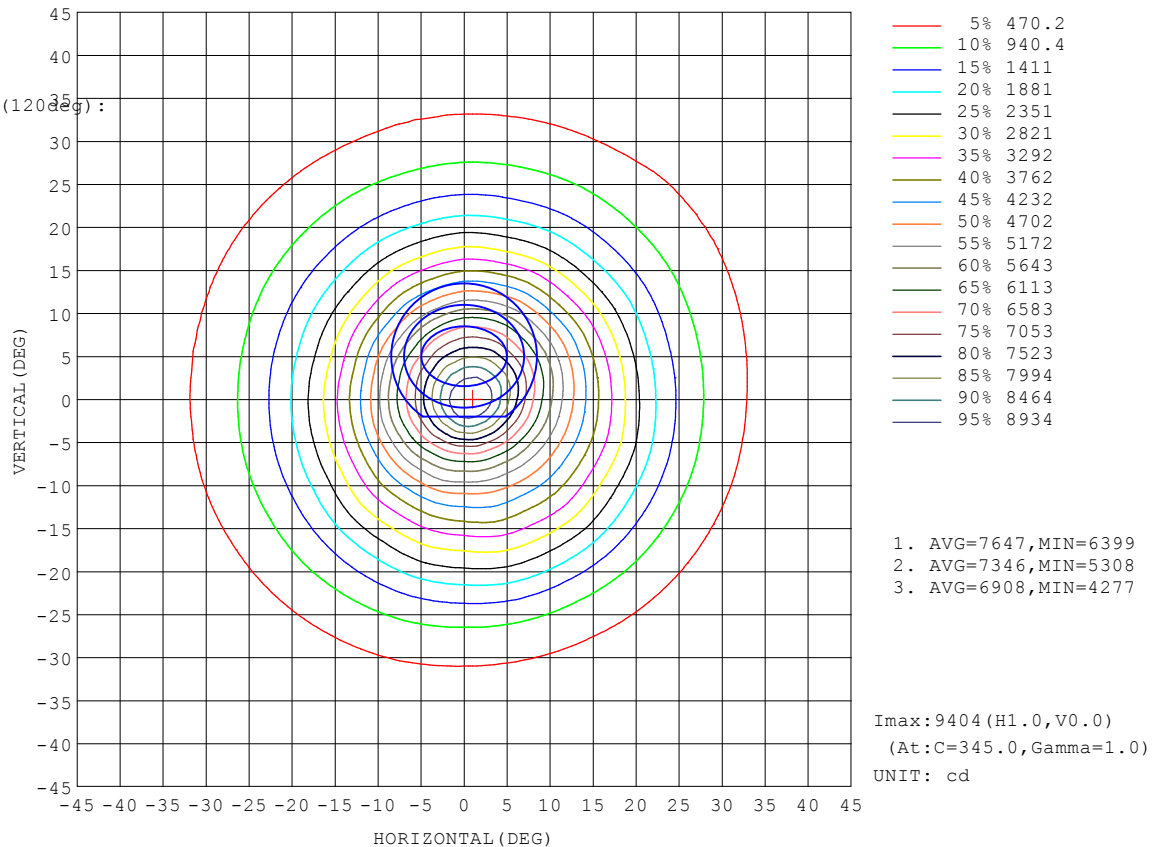
%lamp = 95.6%

Conical surface Flux(120deg):

2489.2 lm

%lum = 97.8%

%lamp = 97.8%

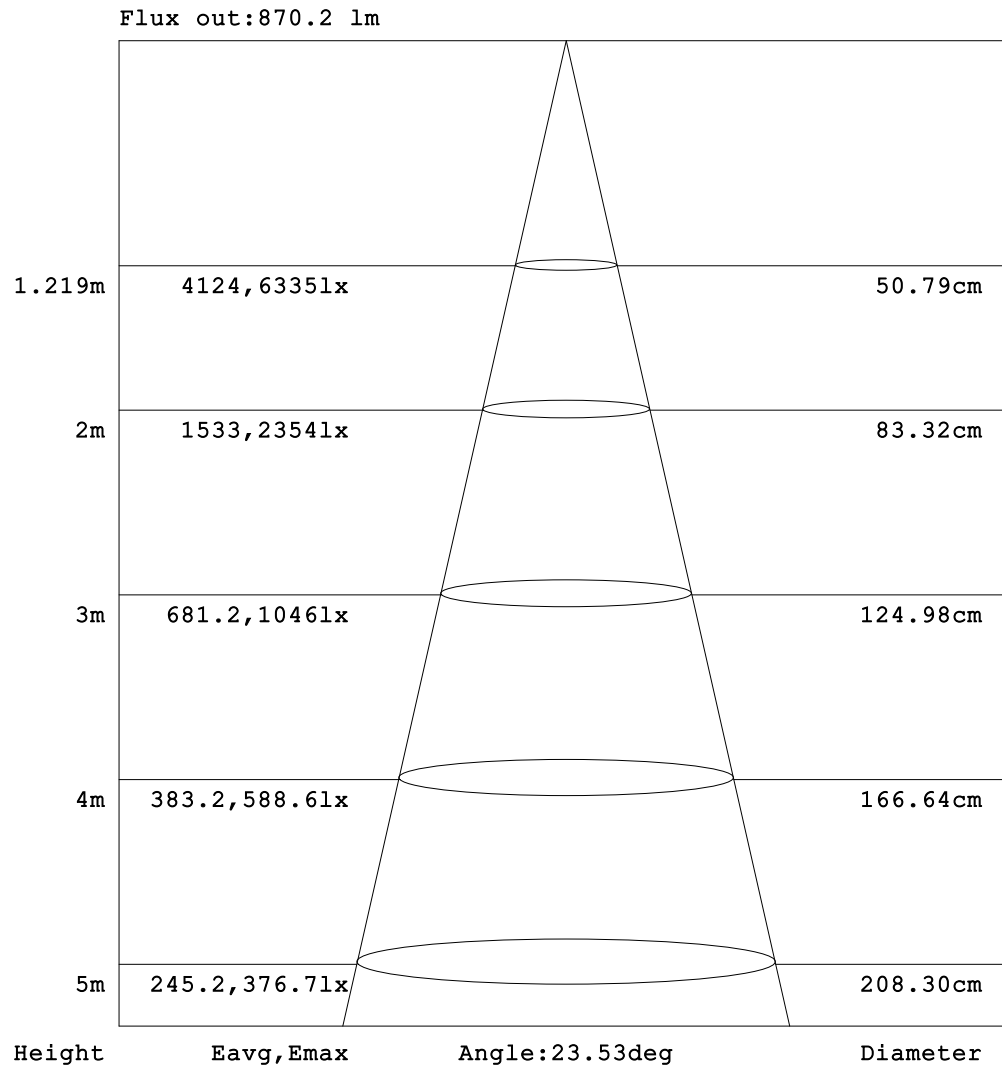


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-31

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:0.2721A P:32.58W PF:0.9945 Lamp Flux:2546.02x1 lm		
NAME: ADL 30W ADR8WH 25°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR8WH 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.

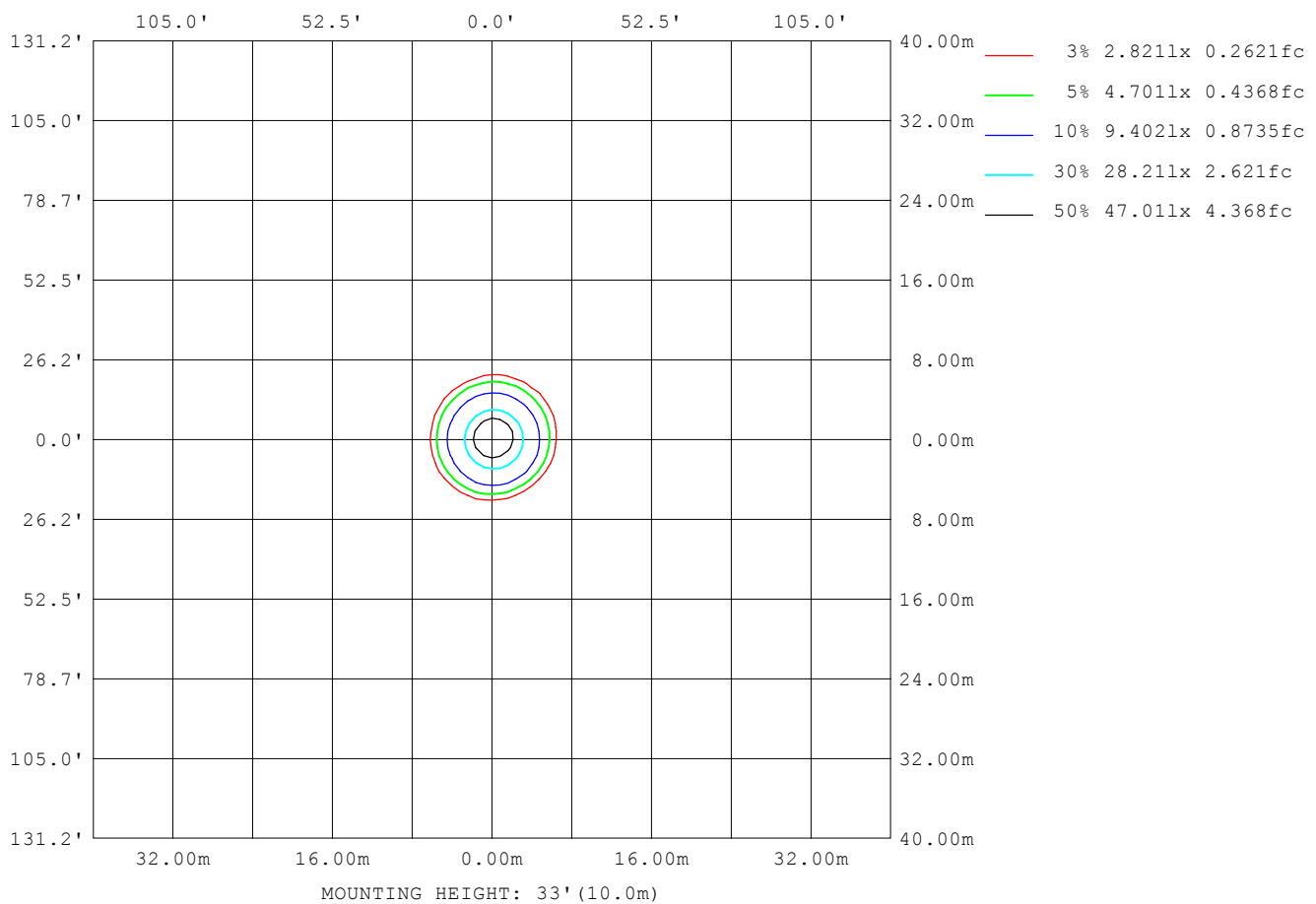
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Aaron  
Test Date: 2018-05-31

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

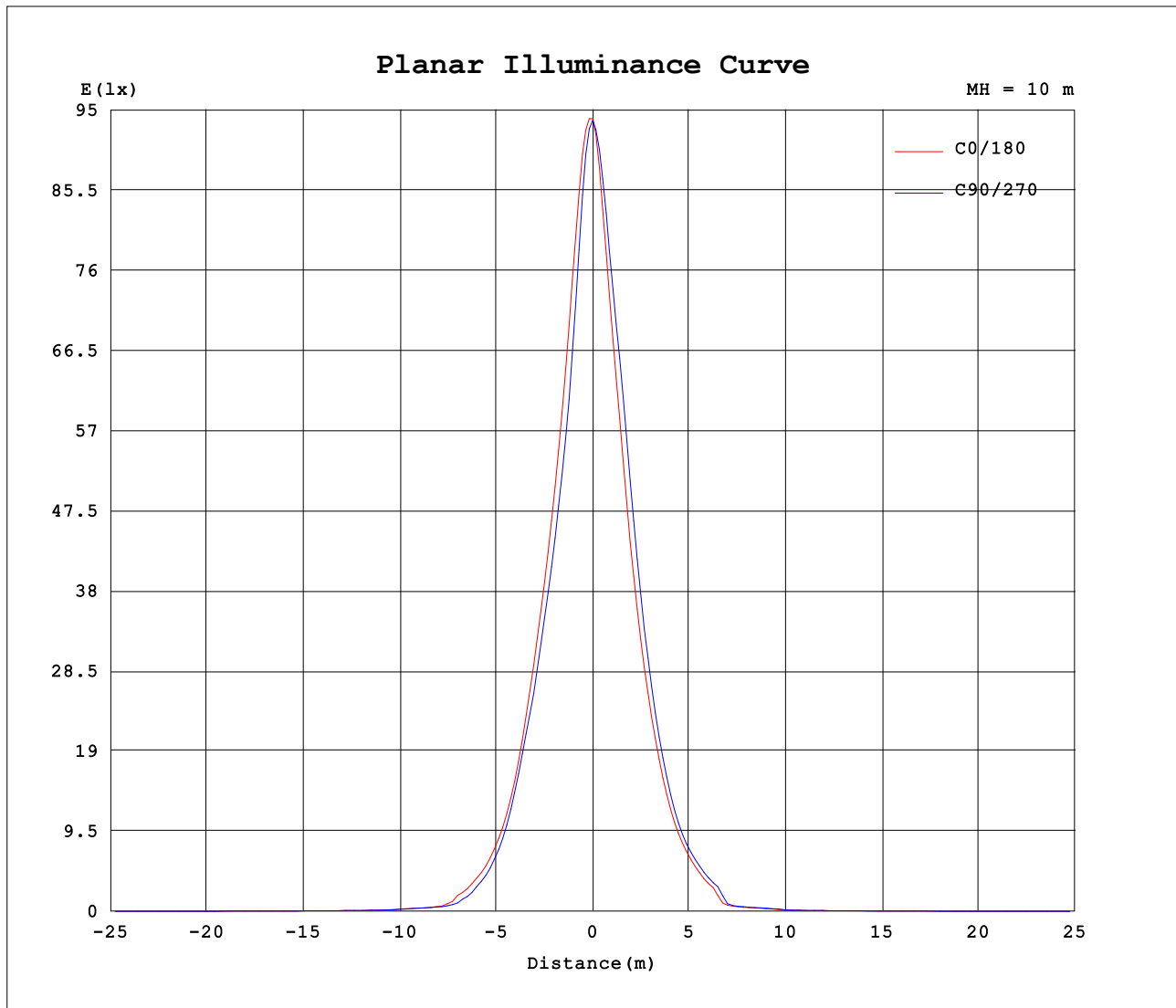
Test:U:120.4V I:0.2721A P:32.58W PF:0.9945 Lamp Flux:2546.02x1 lm		
NAME: ADL 30W ADR8WH 25°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR8WH 25°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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:0.2721A P:32.58W PF:0.9945 Lamp Flux:2546.02x1 lm		
NAME: ADL 30W ADR8WH 25°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR8WH 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	9402	9397	9399	9393	9397	9385	9386	9378	9379	9379	9378	9391	9402	9397	9399	9393	9397	9385	9386
5	8113	7995	7772	7640	7475	7427	7313	7284	7252	7298	7297	7358	7385	7399	7481	7536	7704	7759	7915
10	5723	5581	5396	5264	5149	5091	5033	5080	5027	5059	5047	5095	5084	5107	5235	5335	5525	5663	5868
15	3970	3928	3846	3798	3694	3681	3531	3474	3374	3374	3247	3215	3214	3173	3270	3347	3488	3566	3726
20	2454	2517	2456	2482	2396	2370	2254	2228	2105	2056	1942	1914	1908	1894	1936	1954	2041	2098	2193
25	1345	1351	1321	1285	1226	1208	1166	1167	1138	1121	1088	1091	1088	1091	1110	1124	1161	1186	1229
30	710	689	644	603	557	556	551	581	584	590	593	601	599	608	630	634	663	680	718
35	351	311	260	232	216	211	189	183	210	166	153	145	138	134	135	138	147	171	168
40	111	113	111	111	109	107	105	104	101	98.6	96.3	92.8	94.4	96.0	98.9	97.5	101	101	104
45	80.0	81.0	80.7	79.6	75.5	75.7	72.1	69.5	65.9	61.1	55.7	54.2	52.7	51.3	51.0	50.9	51.8	53.4	57.1
50	48.8	49.5	49.8	50.1	49.9	49.6	48.9	48.2	47.1	46.1	44.8	43.7	42.7	41.9	41.4	41.1	41.2	41.6	42.5
55	41.6	42.2	42.6	42.8	42.8	42.7	42.3	41.8	40.9	39.9	38.8	37.8	36.9	36.1	35.6	35.2	35.3	35.6	36.3
60	36.1	36.6	37.0	37.2	37.3	37.2	36.8	36.3	35.5	34.6	33.6	32.6	31.8	31.0	30.5	30.2	30.2	30.5	31.1
65	30.9	31.5	31.8	32.1	32.1	32.1	31.7	31.2	30.4	29.5	28.5	27.7	26.8	26.1	25.6	25.3	25.4	25.6	26.2
70	25.9	26.4	26.7	26.9	26.9	26.9	26.4	25.9	25.1	24.3	23.3	22.5	21.7	21.0	20.6	20.3	20.4	20.6	21.2
75	20.5	21.0	21.3	21.5	21.4	21.3	20.9	20.4	19.5	18.7	17.7	16.9	16.2	15.5	15.1	14.9	15.1	15.3	15.9
80	14.7	15.1	15.3	15.5	15.3	15.1	14.6	14.1	13.2	12.5	11.5	10.8	10.1	9.57	9.32	9.19	9.38	9.67	10.3
85	8.14	8.48	8.53	8.51	8.22	7.94	7.31	6.78	5.96	5.31	4.51	3.99	3.57	3.26	3.21	3.21	3.49	3.75	4.34
90	0.78	0.94	0.86	0.73	0.33	0.03	0.02	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	0.01	0.00	0.01	0.00	0.02	0.00	0.04	0.01	0.06	0.02	0.07	0.12	0.08	0.11	0.08	0.10	0.04	0.06
130	0.14	0.17	0.13	0.19	0.17	0.20	0.18	0.24	0.22	0.26	0.23	0.27	0.34	0.29	0.33	0.29	0.31	0.25	0.27
135	0.38	0.41	0.39	0.45	0.42	0.45	0.45	0.50	0.48	0.53	0.50	0.53	0.63	0.58	0.61	0.57	0.59	0.53	0.54
140	0.68	0.72	0.69	0.75	0.73	0.77	0.77	0.80	0.80	0.84	0.81	0.83	0.96	0.91	0.94	0.92	0.92	0.86	0.88
145	1.00	1.03	1.01	1.08	1.05	1.07	1.08	1.12	1.11	1.14	1.11	1.15	1.28	1.22	1.27	1.25	1.26	1.19	1.19
150	1.28	1.32	1.31	1.34	1.32	1.35	1.35	1.38	1.37	1.39	1.37	1.39	1.54	1.49	1.53	1.50	1.53	1.48	1.49
155	1.51	1.53	1.51	1.54	1.53	1.55	1.54	1.57	1.55	1.56	1.54	1.56	1.71	1.66	1.70	1.67	1.70	1.67	1.70
160	1.63	1.65	1.63	1.65	1.65	1.66	1.64	1.65	1.63	1.63	1.62	1.63	1.74	1.72	1.73	1.74	1.74	1.74	1.76
165	1.65	1.64	1.65	1.63	1.67	1.65	1.66	1.63	1.63	1.61	1.63	1.61	1.71	1.72	1.70	1.72	1.72	1.74	1.74
170	1.60	1.56	1.60	1.55	1.60	1.56	1.57	1.53	1.53	1.50	1.53	1.51	1.56	1.61	1.58	1.61	1.60	1.63	1.64
175	1.49	1.46	1.51	1.47	1.49	1.46	1.46	1.46	1.46	1.46	1.46	1.44	1.45	1.49	1.47	1.52	1.47	1.52	1.51
180	1.46	1.45	1.46	1.46	1.46	1.45	1.46	1.46	1.46	1.48	1.47	1.45	1.46	1.45	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:0.2721A P:32.58W PF:0.9945 Lamp Flux:2546.02x1 lm		
NAME: ADL 30W ADR8WH 25°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR8WH 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	9378	9379	9379	9378	9391														
5	8024	8145	8190	8262	8263														
10	5983	6073	6030	6022	5920														
15	3792	3924	3945	4051	4005														
20	2217	2327	2363	2433	2438														
25	1247	1303	1321	1356	1340														
30	739	767	757	760	737														
35	260	239	314	333	388														
40	104	110	105	109	110														
45	61.4	71.4	71.9	78.1	78.9														
50	43.3	44.5	45.6	46.9	47.9														
55	37.0	38.0	38.9	40.0	40.8														
60	31.8	32.7	33.6	34.6	35.3														
65	26.9	27.8	28.6	29.5	30.3														
70	21.9	22.8	23.5	24.5	25.2														
75	16.5	17.4	18.2	19.1	19.9														
80	10.9	11.8	12.5	13.4	14.1														
85	4.85	5.65	6.31	7.13	7.67														
90	0.00	0.00	0.01	0.20	0.52														
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	0.04	0.06	0.01	0.06	0.00														
130	0.22	0.26	0.20	0.24	0.21														
135	0.50	0.52	0.48	0.51	0.46														
140	0.81	0.85	0.79	0.82	0.80														
145	1.14	1.17	1.12	1.16	1.10														
150	1.44	1.46	1.41	1.44	1.39														
155	1.65	1.67	1.62	1.65	1.61														
160	1.76	1.77	1.73	1.76	1.74														
165	1.77	1.75	1.75	1.73	1.76														
170	1.67	1.65	1.65	1.63	1.67														
175	1.54	1.53	1.56	1.53	1.54														
180	1.47	1.46	1.47	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: