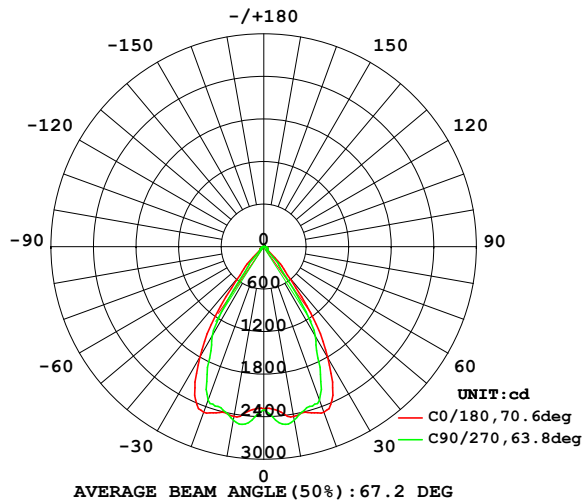


LUMINAIRE PHOTOMETRIC TEST REPORT

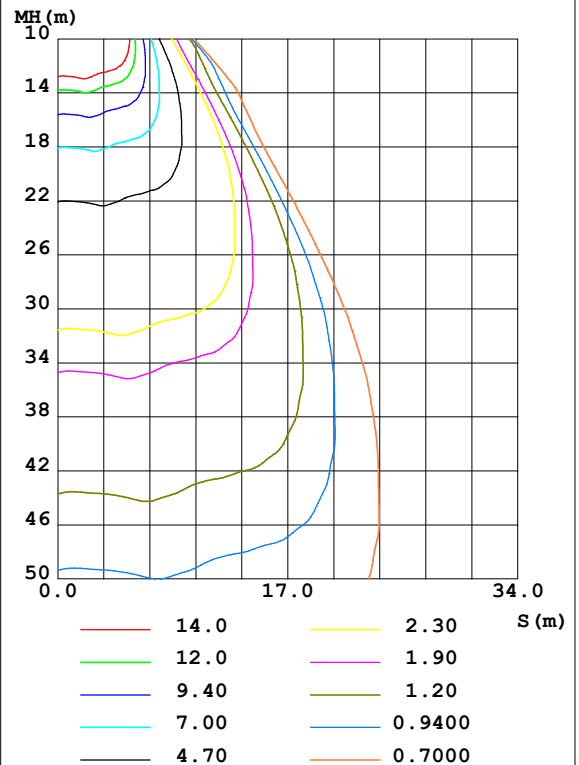
Test:U:120.4V I:0.2721A P:32.58W PF:0.9945 Lamp Flux:2597.43x1 lm		
NAME: ADL 30W ADR9.5WH 60°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR9.5WH 60°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 79.72 lm/W
MODEL		I _{max} (cd)	2525	S/MH (C0/180)	1.02	
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH (C90/270)	0.94	
RATED VOLTAGE(V)	120-277	TOTAL FLUX (lm)	2597.4	η UP,DN (C0-180)	0.1,49.9	
NOMINAL FLUX(lm)	2597.43	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.1,49.9	
LAMPS INSIDE	1	η up (%)	0.1	CIBSE SHR NOM	0.75	
TEST VOLTAGE (V)	120	η down (%)	99.9	CIBSE SHR MAX	0.95	

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:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum
10	2428	2321	2484	2321	2428	2321	2484	2321	0- 10	226.8	226.8	8.73
20	2484	1938	2303	1938	2484	1938	2303	1938	10- 20	623.3	850.2	32.7
30	1810	1523	1459	1523	1810	1523	1459	1523	20- 30	849.2	1699	65.4
40	524.5	404.6	327.9	404.6	524.5	404.6	327.9	404.6	30- 40	613.5	2313	89
50	68.81	67.55	64.27	67.55	68.81	67.55	64.27	67.55	40- 50	136.0	2449	94.3
60	56.07	54.78	51.35	54.78	56.07	54.78	51.35	54.78	50- 60	54.49	2503	96.4
70	41.42	39.75	35.60	39.75	41.42	39.75	35.60	39.75	60- 70	46.76	2550	98.2
80	23.63	21.72	17.57	21.72	23.63	21.72	17.57	21.72	70- 80	32.04	2582	99.4
90	3.533	1.032	0	1.032	3.533	1.032	0	1.032	80- 90	12.44	2595	99.9
100	0	0	0	0	0	0	0	0	90-100	0.1027	2595	99.9
110	0	0	0	0	0	0	0	0	100-110	0	2595	99.9
120	0	0.0582	0.0872	0.0582	0	0.0582	0.0872	0.0582	110-120	0.0042	2595	99.9
130	0.3559	0.4727	0.4796	0.4727	0.3559	0.4727	0.4796	0.4727	120-130	0.2065	2595	99.9
140	0.7847	0.9234	0.9298	0.9234	0.7847	0.9234	0.9298	0.9234	130-140	0.5128	2595	99.9
150	1.163	1.309	1.301	1.309	1.163	1.309	1.301	1.309	140-150	0.6839	2596	100
160	1.410	1.497	1.511	1.497	1.410	1.497	1.511	1.497	150-160	0.6407	2597	100
170	1.678	1.737	1.780	1.737	1.678	1.737	1.780	1.737	160-170	0.4463	2597	100
180	1.984	2.006	2.006	2.006	1.984	2.006	2.006	2.006	170-180	0.1768	2597	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

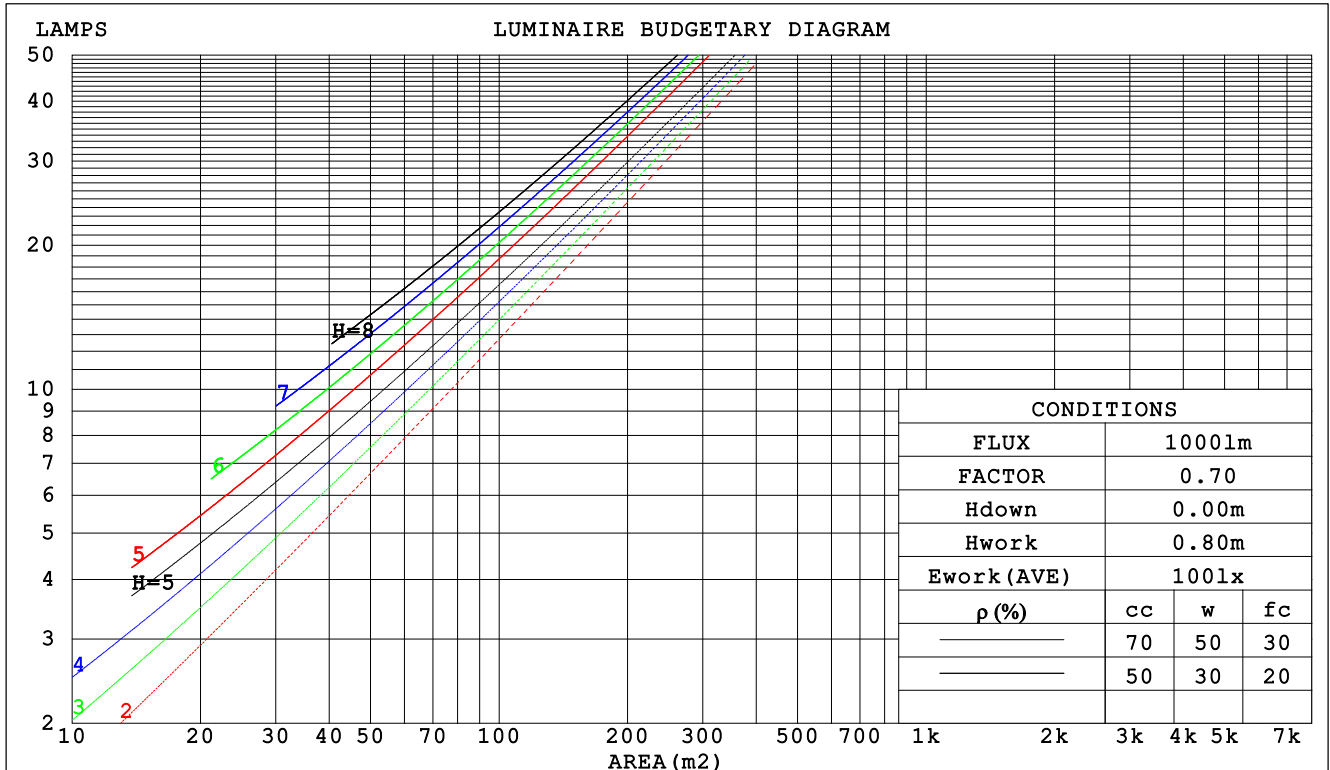
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-05-31

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.4V I:0.2721A P:32.58W PF:0.9945 Lamp Flux:2597.43x1 lm		
NAME: ADL 30W ADR9.5WH 60°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR9.5WH 60°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{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	1.10	1.07	1.04	1.08	1.05	1.03	1.03	1.01	.00	.00	.98	.97	.96	.95	.94	.92
2.0	1.01	.97	.93	.90	.96	.92	.96	.93	.90	.93	.90	.88	.90	.88	.86	.84
3.0	.94	.88	.84	.92	.87	.83	.90	.85	.82	.87	.84	.81	.85	.82	.79	.78
4.0	.87	.81	.77	.86	.80	.76	.84	.79	.75	.82	.78	.74	.80	.76	.73	.72
5.0	.81	.75	.70	.80	.74	.70	.78	.73	.69	.77	.72	.69	.75	.71	.68	.67
6.0	.76	.69	.65	.75	.69	.65	.73	.68	.64	.72	.67	.64	.71	.67	.63	.62
7.0	.71	.65	.60	.70	.64	.60	.69	.64	.60	.68	.63	.59	.67	.62	.59	.57
8.0	.67	.60	.56	.66	.60	.56	.65	.59	.56	.64	.59	.55	.63	.58	.55	.54
9.0	.63	.56	.52	.62	.56	.52	.61	.56	.52	.60	.55	.52	.59	.55	.52	.50
10.0	.59	.53	.49	.59	.53	.49	.58	.52	.49	.57	.52	.49	.56	.52	.48	.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:

WEC AND CCEC

Test:U:120.4V I:0.2721A P:32.58W PF:0.9945 Lamp Flux:2597.43x1 lm		
NAME: ADL 30W ADR9.5WH 60°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR9.5WH 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	.198	.112	.036	.191	.109	.035	.178	.102	.033	.166	.096	.031	.155	.090	.029		
2.0	.187	.103	.032	.182	.100	.031	.171	.095	.030	.161	.090	.028	.152	.086	.027		
3.0	.177	.094	.028	.172	.092	.028	.163	.088	.027	.154	.085	.026	.146	.081	.025		
4.0	.168	.087	.026	.163	.086	.025	.155	.082	.025	.148	.079	.024	.141	.077	.023		
5.0	.159	.081	.023	.155	.080	.023	.148	.077	.023	.142	.075	.022	.136	.072	.022		
6.0	.151	.076	.022	.148	.075	.022	.142	.073	.021	.136	.071	.021	.130	.069	.020		
7.0	.144	.071	.020	.141	.070	.020	.136	.069	.020	.130	.067	.019	.126	.065	.019		
8.0	.137	.067	.019	.135	.066	.019	.130	.065	.019	.125	.063	.018	.121	.062	.018		
9.0	.131	.064	.018	.129	.063	.018	.125	.062	.017	.120	.060	.017	.116	.059	.017		
10.0	.126	.060	.017	.124	.060	.017	.120	.059	.016	.116	.057	.016	.112	.056	.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	.112	.112	.112	.064	.064	.064	.020	.020	.020	
1.0	.173	.158	.144	.148	.136	.124	.101	.093	.086	.058	.054	.050	.019	.017	.016	
2.0	.159	.133	.111	.136	.115	.096	.093	.079	.067	.054	.046	.039	.017	.015	.013	
3.0	.147	.115	.088	.126	.099	.077	.087	.069	.054	.050	.040	.032	.016	.013	.010	
4.0	.138	.100	.071	.118	.086	.062	.081	.060	.044	.047	.035	.026	.015	.011	.008	
5.0	.129	.089	.059	.111	.077	.051	.076	.054	.036	.044	.031	.021	.014	.010	.007	
6.0	.122	.079	.049	.105	.069	.043	.072	.048	.030	.042	.028	.018	.014	.009	.006	
7.0	.116	.072	.042	.099	.062	.036	.069	.044	.026	.040	.026	.015	.013	.008	.005	
8.0	.110	.066	.036	.095	.057	.031	.065	.040	.022	.038	.024	.013	.012	.008	.004	
9.0	.105	.061	.031	.090	.053	.027	.063	.037	.019	.036	.022	.011	.012	.007	.004	
10.0	.100	.056	.027	.086	.049	.024	.060	.034	.017	.035	.020	.010	.011	.007	.003	

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

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:2597.43x1 lm										
NAME: ADL 30W ADR9.5WH 60°					TYPE:LED			WEIGHT:		
SPEC.:ADL 30W ADR9.5WH 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	10.1	11.2	10.4	11.4	11.5	8.7	9.8	9.0	9.9	10.1
3H	10.3	11.3	10.6	11.5	11.7	9.0	9.9	9.3	10.1	10.3
4H	10.5	11.4	10.8	11.6	11.8	9.2	10.0	9.4	10.3	10.5
6H	10.7	11.5	11.0	11.7	12.0	9.3	10.2	9.6	10.4	10.7
8H	10.7	11.6	11.1	11.8	12.1	9.4	10.2	9.7	10.4	10.7
12H	10.8	11.6	11.2	11.9	12.2	9.4	10.2	9.7	10.5	10.7
4H 2H	10.0	10.9	10.3	11.1	11.4	8.7	9.6	9.0	9.8	10.0
3H	10.3	11.1	10.7	11.4	11.7	9.1	9.9	9.4	10.2	10.4
4H	10.6	11.3	11.0	11.6	11.9	9.4	10.1	9.8	10.4	10.7
6H	10.9	11.6	11.3	11.9	12.2	9.7	10.3	10.1	10.7	11.0
8H	11.1	11.7	11.5	12.0	12.4	9.8	10.4	10.2	10.8	11.1
12H	11.3	11.8	11.7	12.2	12.6	9.9	10.4	10.3	10.8	11.2
8H 4H	10.7	11.2	11.1	11.6	12.0	9.5	10.1	9.9	10.5	10.8
6H	11.1	11.6	11.5	12.0	12.4	10.0	10.4	10.4	10.8	11.2
8H	11.4	11.8	11.8	12.2	12.6	10.2	10.6	10.6	11.0	11.4
12H	11.6	12.0	12.1	12.4	12.9	10.3	10.7	10.8	11.1	11.6
12H 4H	10.6	11.2	11.1	11.5	11.9	9.5	10.0	9.9	10.4	10.8
6H	11.1	11.5	11.6	12.0	12.4	10.0	10.4	10.5	10.9	11.3
8H	11.4	11.8	11.9	12.2	12.7	10.3	10.6	10.7	11.1	11.5
Variations with the observer position at spacings:										
S = 1.0H	+ 2.1 / - 2.2					+ 1.5 / - 1.4				
1.5H	+ 4.2 / - 2.2					+ 2.2 / - 1.4				
2.0H	+ 2.1 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 2597 lm Total Lamp Luminous Flux. (8log(F/F0) = 3.3)

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:2597.43x1 lm		
NAME: ADL 30W ADR9.5WH 60°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR9.5WH 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) $k(RI) \times RCR = 5$									
$k = 0.60$	85	78	74	84	78	74	84	78	74	70
0.80	92	86	82	92	86	82	90	85	82	78
1.00	97	91	87	96	91	87	95	91	86	82
1.25	101	96	92	100	95	91	98	94	91	86
1.50	104	99	95	103	98	95	101	97	94	89
2.00	107	103	99	106	101	98	103	99	97	91
2.50	109	105	102	107	104	101	104	101	99	93
3.00	111	107	104	109	106	103	105	103	101	94
4.00	113	110	107	111	108	106	107	105	103	96
5.00	114	112	110	112	110	108	108	107	105	97
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

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:

ISOCANDELA DIAGRAM

Test:U:120.4V I:0.2721A P:32.58W PF:0.9945 Lamp Flux:2597.43x1 lm		
NAME: ADL 30W ADR9.5WH 60°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR9.5WH 60°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

2418 lm

%lum = 93.1%

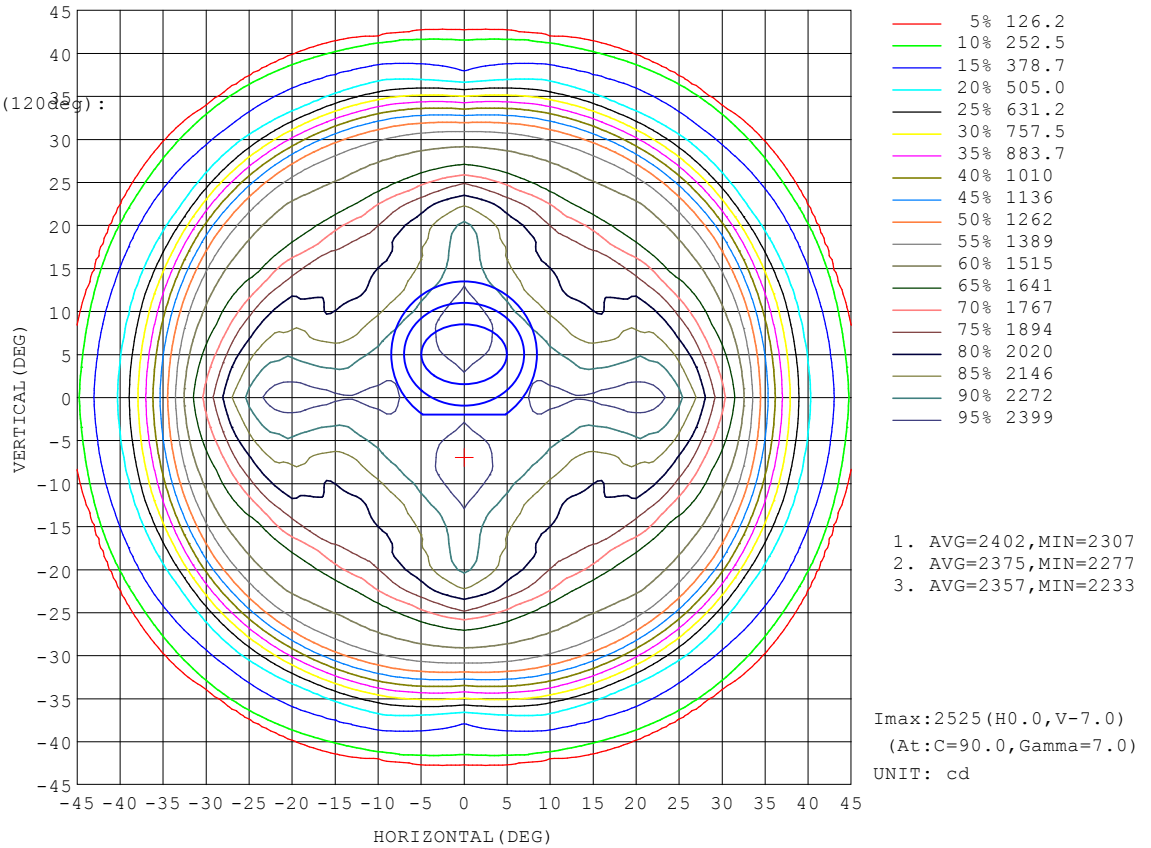
%lamp = 93.1%

Conical surface Flux(120deg):

2503.4 lm

%lum = 96.4%

%lamp = 96.4%

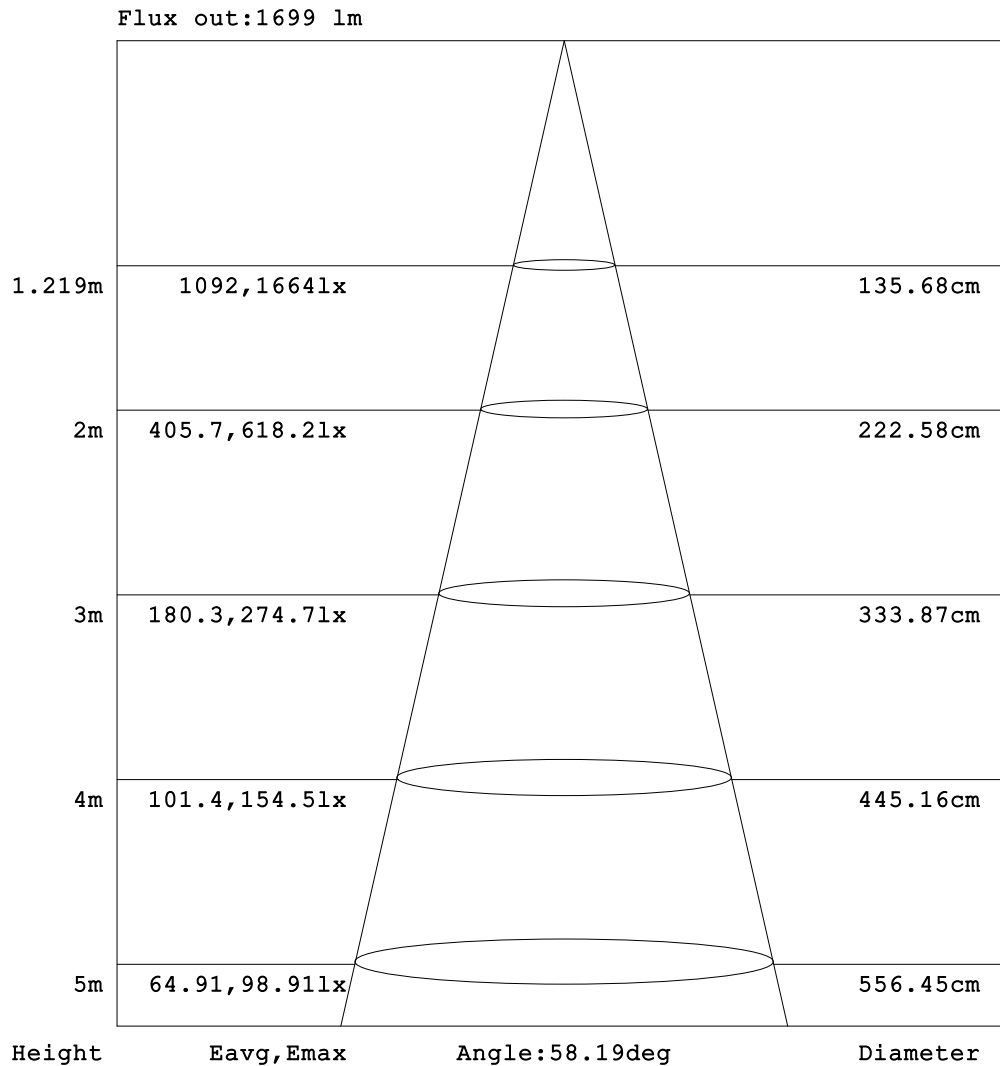


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-05-31

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:0.2721A P:32.58W PF:0.9945 Lamp Flux:2597.43x1 lm		
NAME: ADL 30W ADR9.5WH 60°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR9.5WH 60°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



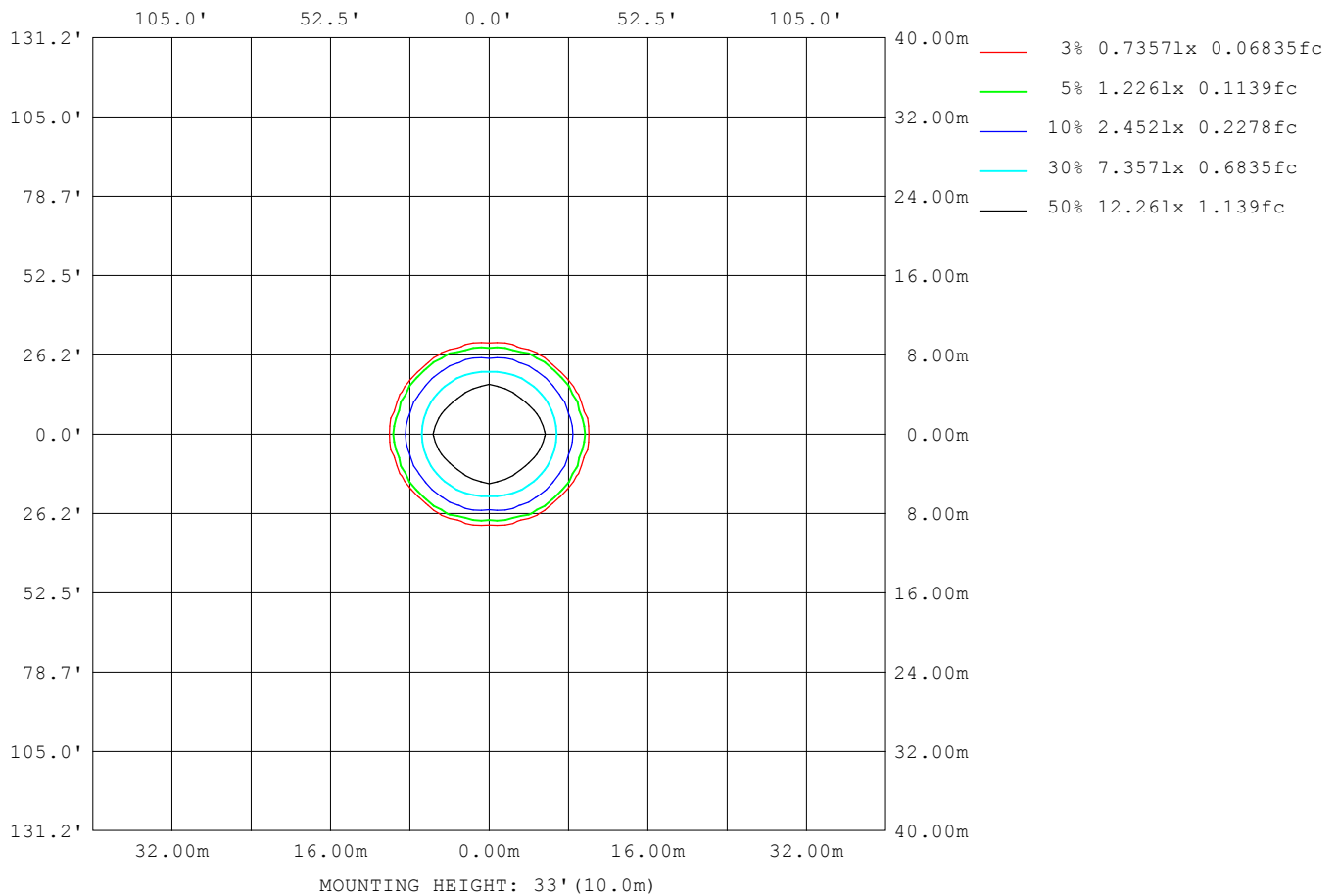
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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

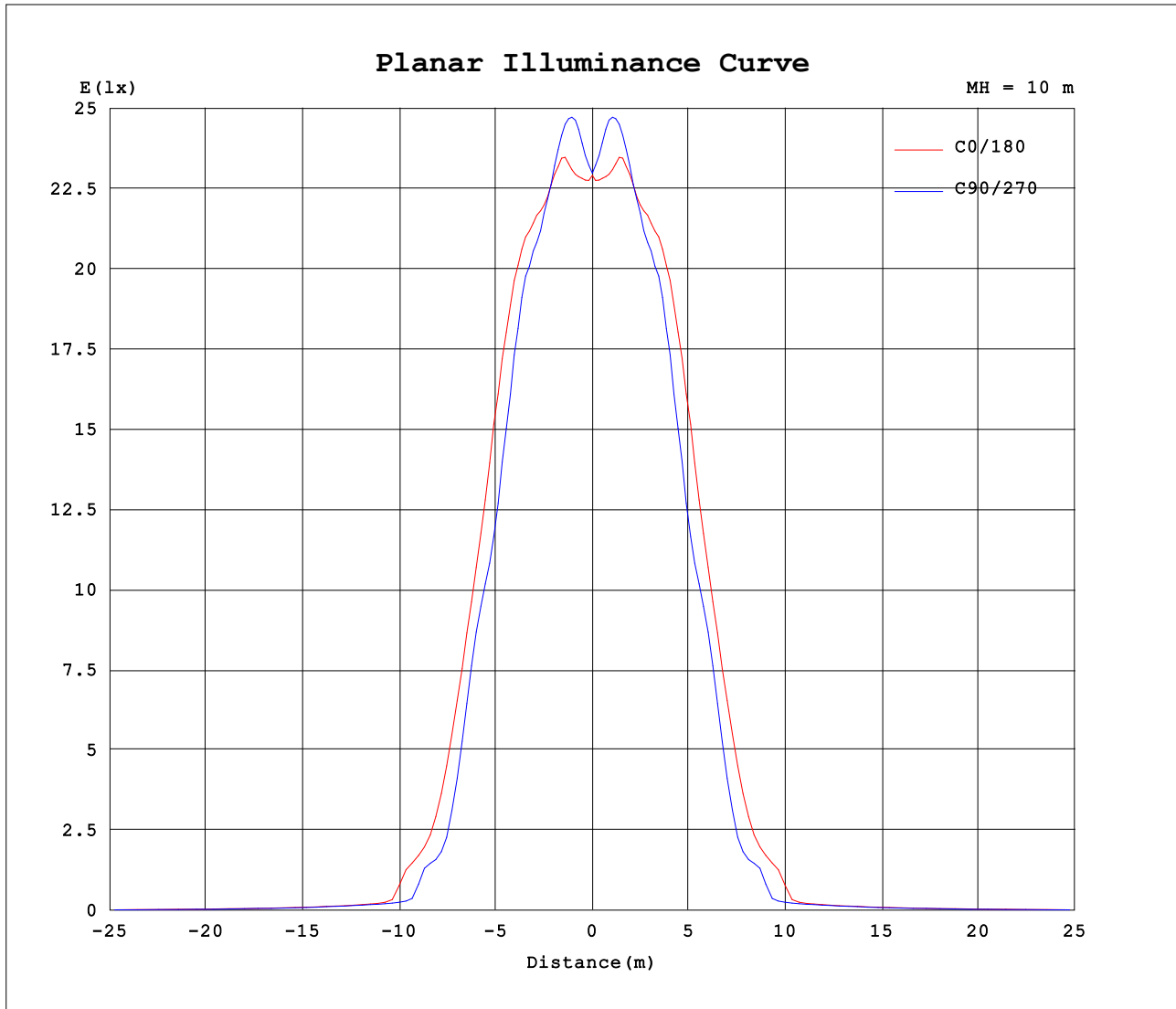
Test:U:120.4V I:0.2721A P:32.58W PF:0.9945 Lamp Flux:2597.43x1 lm		
NAME: ADL 30W ADR9.5WH 60°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR9.5WH 60°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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

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:2597.43x1 lm		
NAME: ADL 30W ADR9.5WH 60°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR9.5WH 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	2291	2293	2293	2295	2297	2298	2299	2298	2297	2295	2293	2293	2291	2293	2293	2295	2297	2298	2299
5	2322	2327	2334	2347	2376	2429	2493	2429	2376	2347	2334	2327	2322	2327	2334	2347	2376	2429	2493
10	2428	2374	2340	2321	2336	2399	2484	2399	2336	2321	2340	2374	2428	2374	2340	2321	2336	2399	2484
15	2421	2238	2114	2087	2123	2210	2351	2210	2123	2087	2114	2238	2421	2238	2114	2087	2123	2210	2351
20	2484	2225	2054	1938	1983	2101	2303	2101	1983	1938	2054	2225	2484	2225	2054	1938	1983	2101	2303
25	2311	2074	1883	1716	1727	1753	1879	1753	1727	1716	1883	2074	2311	2074	1883	1716	1727	1753	1879
30	1810	1634	1549	1523	1476	1464	1459	1464	1476	1523	1549	1634	1810	1634	1549	1523	1476	1464	1459
35	1191	1167	1126	1043	951	878	750	878	951	1043	1126	1167	1191	1167	1126	1043	951	878	750
40	525	496	436	405	386	366	328	366	386	405	436	496	525	496	436	405	386	366	328
45	223	122	108	95.3	84.8	78.3	73.1	78.3	84.8	95.3	108	122	223	122	108	95.3	84.8	78.3	73.1
50	68.8	68.7	68.2	67.5	66.6	65.6	64.3	65.6	66.6	67.5	68.2	68.7	68.8	68.7	68.2	67.5	66.6	65.6	64.3
55	62.5	62.4	61.9	61.2	60.3	59.2	58.0	59.2	60.3	61.2	61.9	62.4	62.5	62.4	61.9	61.2	60.3	59.2	58.0
60	56.1	56.0	55.5	54.8	53.8	52.8	51.3	52.8	53.8	54.8	55.5	56.0	56.1	56.0	55.5	54.8	53.8	52.8	51.3
65	49.2	49.1	48.5	47.8	46.7	45.6	44.0	45.6	46.7	47.8	48.5	49.1	49.2	49.1	48.5	47.8	46.7	45.6	44.0
70	41.4	41.3	40.6	39.7	38.5	37.3	35.6	37.3	38.5	39.7	40.6	41.3	41.4	41.3	40.6	39.7	38.5	37.3	35.6
75	32.6	32.4	31.6	30.8	29.5	28.2	26.6	28.2	29.5	30.8	31.6	32.4	32.6	32.4	31.6	30.8	29.5	28.2	26.6
80	23.6	23.4	22.6	21.7	20.4	19.2	17.6	19.2	20.4	21.7	22.6	23.4	23.6	23.4	22.6	21.7	20.4	19.2	17.6
85	14.2	13.9	13.0	12.0	10.6	9.31	7.57	9.31	10.6	12.0	13.0	13.9	14.2	13.9	13.0	12.0	10.6	9.31	7.57
90	3.53	3.08	2.05	1.03	0.02	0.00	0.00	0.00	0.02	1.03	2.05	3.08	3.53	3.08	2.05	1.03	0.02	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	0.04	0.00	0.06	0.04	0.10	0.09	0.10	0.04	0.06	0.00	0.04	0.00	0.04	0.00	0.06	0.04	0.10	0.09
125	0.15	0.21	0.20	0.25	0.23	0.28	0.27	0.28	0.23	0.25	0.20	0.21	0.15	0.21	0.20	0.25	0.23	0.28	0.27
130	0.36	0.42	0.40	0.47	0.45	0.51	0.48	0.51	0.45	0.47	0.40	0.42	0.36	0.42	0.40	0.47	0.45	0.51	0.48
135	0.57	0.64	0.63	0.70	0.68	0.74	0.70	0.74	0.68	0.70	0.63	0.64	0.57	0.64	0.63	0.70	0.68	0.74	0.70
140	0.78	0.87	0.85	0.92	0.91	0.95	0.93	0.95	0.91	0.92	0.85	0.87	0.78	0.87	0.85	0.92	0.91	0.95	0.93
145	1.00	1.07	1.07	1.13	1.13	1.16	1.14	1.16	1.13	1.13	1.07	1.07	1.00	1.07	1.07	1.13	1.13	1.16	1.14
150	1.16	1.22	1.25	1.31	1.30	1.33	1.30	1.33	1.30	1.31	1.25	1.22	1.16	1.22	1.25	1.31	1.30	1.33	1.30
155	1.31	1.36	1.37	1.42	1.41	1.45	1.42	1.45	1.41	1.42	1.37	1.36	1.31	1.36	1.37	1.42	1.41	1.45	1.42
160	1.41	1.45	1.44	1.50	1.49	1.55	1.51	1.55	1.49	1.50	1.44	1.45	1.41	1.45	1.44	1.50	1.49	1.55	1.51
165	1.51	1.55	1.53	1.58	1.59	1.65	1.62	1.65	1.59	1.58	1.53	1.55	1.51	1.55	1.53	1.58	1.59	1.65	1.62
170	1.68	1.70	1.69	1.74	1.75	1.79	1.78	1.79	1.75	1.74	1.69	1.70	1.68	1.70	1.69	1.74	1.75	1.79	1.78
175	1.86	1.88	1.87	1.93	1.93	1.96	1.95	1.96	1.93	1.93	1.87	1.88	1.86	1.88	1.87	1.93	1.93	1.96	1.95
180	1.98	1.98	1.99	2.01	2.01	2.01	2.01	2.01	2.01	2.01	1.99	1.98	1.98	1.98	1.99	2.01	2.01	2.01	2.01

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:2597.43x1 lm		
NAME: ADL 30W ADR9.5WH 60°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR9.5WH 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	2298	2297	2295	2293	2293														
5	2429	2376	2347	2334	2327														
10	2399	2336	2321	2340	2374														
15	2210	2123	2087	2114	2238														
20	2101	1983	1938	2054	2225														
25	1753	1727	1716	1883	2074														
30	1464	1476	1523	1549	1634														
35	878	951	1043	1126	1167														
40	366	386	405	436	496														
45	78.3	84.8	95.3	108	122														
50	65.6	66.6	67.5	68.2	68.7														
55	59.2	60.3	61.2	61.9	62.4														
60	52.8	53.8	54.8	55.5	56.0														
65	45.6	46.7	47.8	48.5	49.1														
70	37.3	38.5	39.7	40.6	41.3														
75	28.2	29.5	30.8	31.6	32.4														
80	19.2	20.4	21.7	22.6	23.4														
85	9.31	10.6	12.0	13.0	13.9														
90	0.00	0.02	1.03	2.05	3.08														
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	0.10	0.04	0.06	0.00	0.04														
125	0.28	0.23	0.25	0.20	0.21														
130	0.51	0.45	0.47	0.40	0.42														
135	0.74	0.68	0.70	0.63	0.64														
140	0.95	0.91	0.92	0.85	0.87														
145	1.16	1.13	1.13	1.07	1.07														
150	1.33	1.30	1.31	1.25	1.22														
155	1.45	1.41	1.42	1.37	1.36														
160	1.55	1.49	1.50	1.44	1.45														
165	1.65	1.59	1.58	1.53	1.55														
170	1.79	1.75	1.74	1.69	1.70														
175	1.96	1.93	1.93	1.87	1.88														
180	2.01	2.01	2.01	1.99	1.98														

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: