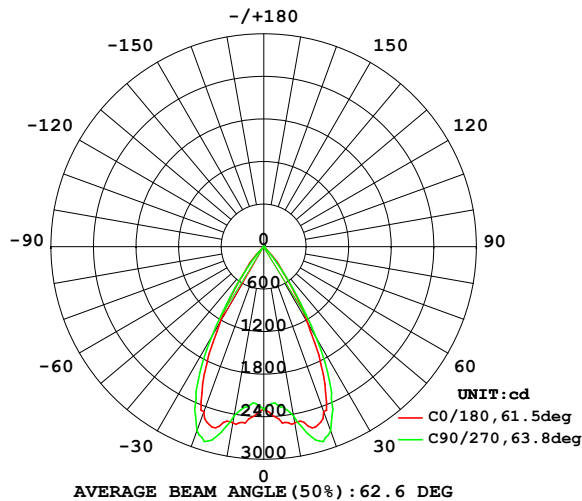


LUMINAIRE PHOTOMETRIC TEST REPORT

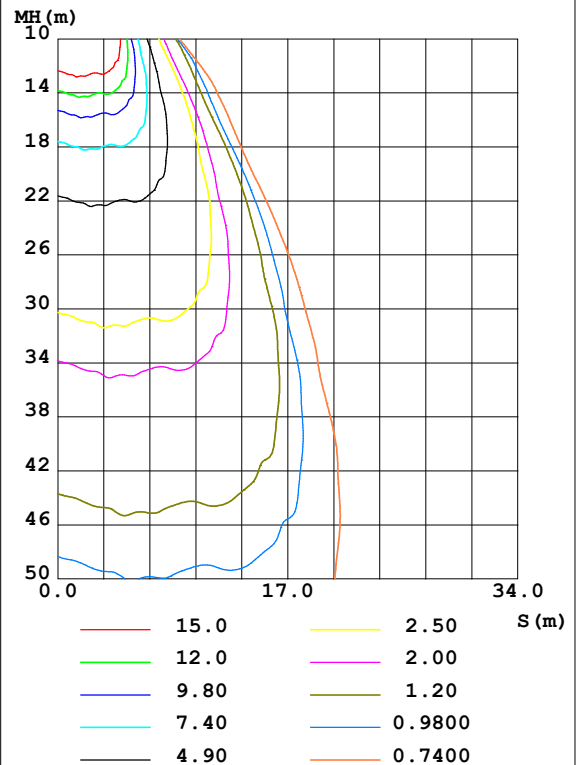
Test:U:120.4V I:0.2614A P:31.29W PF:0.9941 Lamp Flux:2426.89x1 lm		
NAME: 30ADL/60°lens 120-277V	TYPE:LED	WEIGHT:
SPEC.:30ADL/60°lens 120-277V	DIM.:	SERIAL No.:02
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 77.56 lm/W			
MODEL		I _{max} (cd)	2873	S/MH (C0/180)	0.90
NOMINAL POWER (W)	30	LOR (%)	100.0	S/MH (C90/270)	0.92
RATED VOLTAGE (V)	120-277	TOTAL FLUX (lm)	2426.9	η UP, DN (C0-180)	0.0, 50.0
NOMINAL FLUX (lm)	2426.89	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 50.0
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: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Aaron
Test Date: 2018-01-26

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: 2700K, 60°lens
2#反射器, ADR8CC 98054

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%lum
10	2522	2427	2522	2427					0- 10	228.1	228.1	9.4
20	2477	2760	2477	2760					10- 20	756.2	984.3	40.6
30	1245	1486	1245	1486					20- 30	943.4	1928	79.4
40	326.6	218.0	326.6	218.0					30- 40	441.4	2369	97.6
50	9.660	7.909	9.660	7.909					40- 50	48.52	2418	99.6
60	2.988	2.812	2.988	2.812					50- 60	4.638	2422	99.8
70	1.084	1.123	1.084	1.123					60- 70	1.834	2424	99.9
80	0.2477	0.2277	0.2477	0.2277					70- 80	0.6713	2425	99.9
90	0	0	0	0					80- 90	0.0458	2425	99.9
100	0	0	0	0					90-100	0	2425	99.9
110	0	0	0	0					100-110	0	2425	99.9
120	0	0	0	0					110-120	0	2425	99.9
130	0.2944	0.2347	0.2944	0.2347					120-130	0.1001	2425	99.9
140	0.6667	0.5712	0.6667	0.5712					130-140	0.3350	2425	99.9
150	1.034	0.9319	1.034	0.9319					140-150	0.4940	2426	100
160	1.250	1.257	1.250	1.257					150-160	0.5131	2426	100
170	1.533	1.545	1.533	1.545					160-170	0.3928	2427	100
180	1.689	1.659	1.689	1.659					170-180	0.1527	2427	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

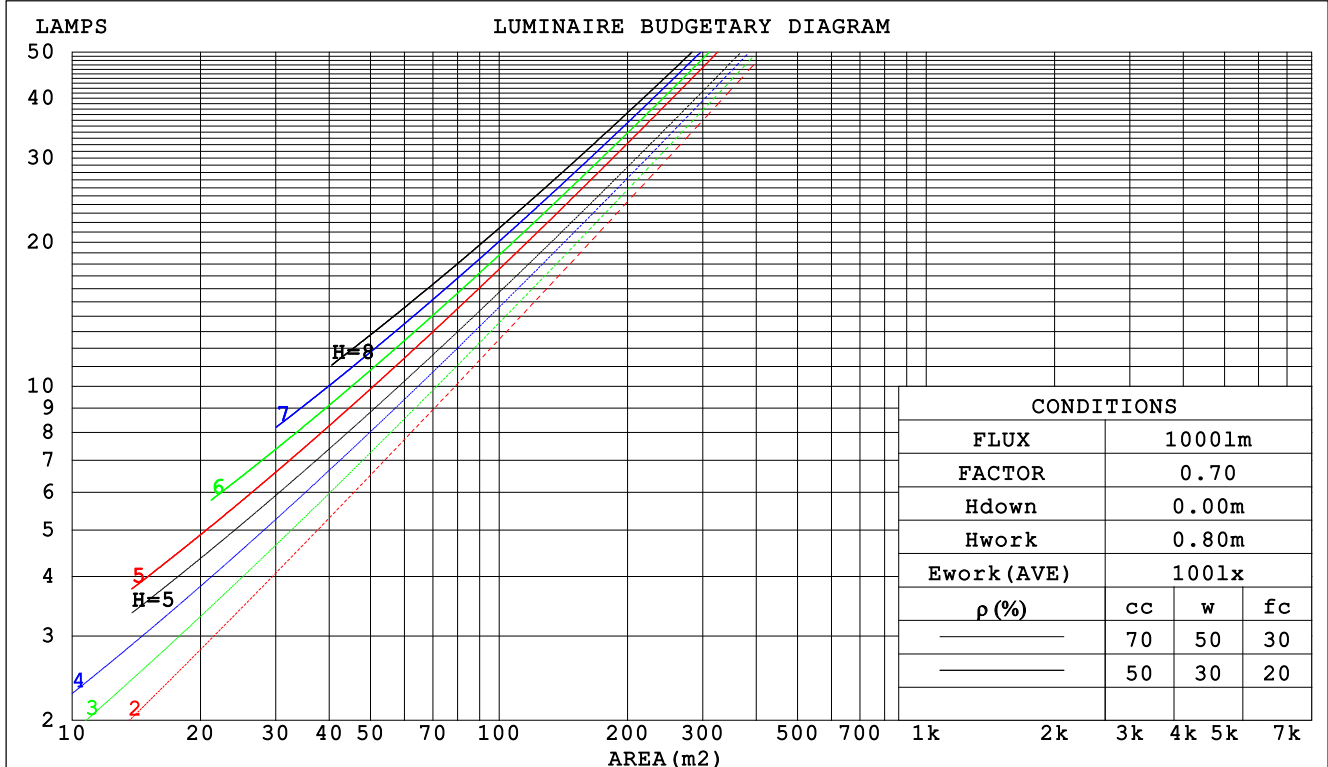
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-01-26

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: 2700K, 60°lens
2#反射器, ADR8CC 98054

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.4V I:0.2614A P:31.29W PF:0.9941 Lamp Flux:2426.89x1 lm		
NAME: 30ADL/60°lens 120-277V	TYPE:LED	WEIGHT:
SPEC.:30ADL/60°lens 120-277V	DIM.:	SERIAL No.:02
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	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	.00	.99	.98	.97	.96	.94
2.0	1.04	.00	.97	1.02	.99	.96	.99	.96	.94	.96	.94	.92	.93	.91	.90	.88
3.0	.97	.93	.89	.96	.92	.88	.93	.90	.87	.91	.88	.85	.89	.86	.84	.82
4.0	.91	.86	.82	.90	.85	.81	.88	.84	.81	.86	.82	.80	.84	.81	.79	.77
5.0	.86	.80	.76	.85	.80	.76	.83	.79	.75	.81	.77	.74	.80	.76	.74	.72
6.0	.81	.75	.71	.80	.75	.71	.78	.74	.70	.77	.73	.70	.76	.72	.69	.68
7.0	.76	.70	.66	.75	.70	.66	.74	.69	.66	.73	.69	.65	.72	.68	.65	.64
8.0	.72	.66	.62	.71	.66	.62	.70	.65	.62	.69	.65	.62	.68	.64	.61	.60
9.0	.68	.62	.59	.68	.62	.58	.67	.62	.58	.66	.61	.58	.65	.61	.58	.57
10.0	.64	.59	.55	.64	.59	.55	.63	.58	.55	.62	.58	.55	.62	.58	.55	.53



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-01-26

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: 2700K, 60°lens
2#反射器, ADR8CC 98054

WEC AND CCEC

Test:U:120.4V I:0.2614A P:31.29W PF:0.9941 Lamp Flux:2426.89x1 lm		
NAME: 30ADL/60°lens 120-277V	TYPE:LED	WEIGHT:
SPEC.:30ADL/60°lens 120-277V	DIM.:	SERIAL No.:02
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	.171	.097	.031	.164	.094	.030	.151	.087	.028	.140	.081	.026	.129	.075	.024		
2.0	.163	.089	.027	.157	.087	.027	.147	.082	.025	.137	.077	.024	.128	.072	.023		
3.0	.155	.083	.025	.150	.081	.024	.141	.077	.023	.133	.073	.022	.125	.069	.021		
4.0	.148	.077	.023	.144	.075	.022	.136	.072	.022	.129	.069	.021	.122	.066	.020		
5.0	.141	.072	.021	.138	.071	.021	.131	.068	.020	.125	.066	.020	.119	.064	.019		
6.0	.135	.068	.019	.132	.067	.019	.126	.065	.019	.121	.063	.018	.116	.061	.018		
7.0	.130	.064	.018	.127	.063	.018	.122	.062	.018	.117	.060	.017	.112	.058	.017		
8.0	.125	.061	.017	.122	.060	.017	.117	.059	.017	.113	.057	.017	.109	.056	.016		
9.0	.120	.058	.016	.117	.057	.016	.113	.056	.016	.109	.055	.016	.106	.054	.015		
10.0	.115	.055	.015	.113	.055	.015	.109	.054	.015	.106	.053	.015	.102	.051	.015		

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	.171	.158	.146	.147	.136	.126	.100	.093	.087	.058	.054	.051	.018	.017	.016	
2.0	.156	.133	.114	.133	.115	.099	.091	.079	.069	.053	.046	.040	.017	.015	.013	
3.0	.143	.114	.091	.123	.098	.079	.084	.068	.055	.049	.040	.033	.016	.013	.011	
4.0	.133	.099	.074	.114	.086	.064	.078	.060	.045	.045	.035	.027	.015	.011	.009	
5.0	.124	.088	.061	.106	.076	.053	.073	.053	.037	.042	.031	.022	.014	.010	.007	
6.0	.116	.078	.051	.100	.068	.044	.069	.047	.031	.040	.028	.019	.013	.009	.006	
7.0	.110	.071	.043	.095	.061	.038	.065	.043	.027	.038	.025	.016	.012	.008	.005	
8.0	.104	.065	.037	.090	.056	.032	.062	.039	.023	.036	.023	.014	.012	.008	.005	
9.0	.099	.059	.032	.086	.052	.028	.059	.036	.020	.035	.021	.012	.011	.007	.004	
10.0	.095	.055	.028	.082	.048	.025	.057	.034	.018	.033	.020	.010	.011	.007	.003	

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-01-26

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: 2700K, 60°lens
2#反射器, ADR8CC 98054

UGR(Unified Glare Rating) Table

Test:U:120.4V I:0.2614A P:31.29W PF:0.9941 Lamp Flux:2426.89x1 lm										
NAME: 30ADL/60°lens 120-277V					TYPE:LED			WEIGHT:		
SPEC.:30ADL/60°lens 120-277V					DIM.:			SERIAL No.:02		
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	6.2	7.2	6.5	7.3	7.5	6.4	7.3	6.6	7.5	7.6
3H	6.1	6.9	6.3	7.1	7.3	6.2	7.1	6.5	7.3	7.5
4H	6.0	6.8	6.3	7.0	7.2	6.1	6.9	6.4	7.1	7.4
6H	5.9	6.6	6.2	6.9	7.1	6.0	6.8	6.3	7.0	7.3
8H	5.9	6.6	6.2	6.8	7.1	6.0	6.7	6.3	7.0	7.2
12H	5.8	6.5	6.1	6.8	7.0	6.0	6.6	6.3	6.9	7.2
4H 2H	6.0	6.8	6.3	7.0	7.2	6.1	6.9	6.4	7.1	7.4
3H	5.8	6.5	6.1	6.8	7.0	6.0	6.6	6.3	6.9	7.2
4H	5.7	6.3	6.1	6.6	6.9	5.9	6.5	6.2	6.8	7.1
6H	5.6	6.2	6.0	6.5	6.8	5.8	6.3	6.1	6.6	7.0
8H	5.6	6.1	6.0	6.4	6.8	5.7	6.2	6.1	6.6	6.9
12H	5.5	6.0	5.9	6.4	6.7	5.7	6.1	6.1	6.5	6.9
8H 4H	5.6	6.1	6.0	6.4	6.8	5.7	6.2	6.1	6.6	6.9
6H	5.5	5.9	5.9	6.3	6.7	5.6	6.0	6.0	6.4	6.8
8H	5.4	5.8	5.9	6.2	6.6	5.6	5.9	6.0	6.3	6.8
12H	5.4	5.7	5.8	6.1	6.6	5.5	5.8	6.0	6.3	6.7
12H 4H	5.5	6.0	5.9	6.4	6.7	5.7	6.1	6.1	6.5	6.9
6H	5.4	5.8	5.9	6.2	6.6	5.6	5.9	6.0	6.3	6.8
8H	5.4	5.7	5.8	6.1	6.6	5.5	5.8	6.0	6.3	6.7
Variations with the observer position at spacings:										
S = 1.0H	+ 3.9 / -19.7					+ 4.3 / -19.5				
1.5H	+ 6.7 / -17.8					+ 7.1 / -17.4				
2.0H	+ 6.7 / - 4.8					+ 6.1 / - 4.0				

CIE Pub.117 Corrected 2427 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.1)

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-01-26

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: 2700K, 60°lens
2#反射器, ADR8CC 98054

UTILIZATION FACTORS TABLE

Test:U:120.4V I:0.2614A P:31.29W PF:0.9941 Lamp Flux:2426.89x1 lm		
NAME: 30ADL/60°lens 120-277V	TYPE:LED	WEIGHT:
SPEC.:30ADL/60°lens 120-277V	DIM.:	SERIAL No.:02
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) $k(RI) \times RCR = 5$									
$k = 0.60$	90	84	81	90	84	81	89	84	81	77
0.80	97	92	88	97	92	88	95	91	88	85
1.00	101	96	93	100	96	92	99	95	92	88
1.25	105	100	97	104	99	96	102	98	96	92
1.50	107	103	100	106	102	99	104	101	98	94
2.00	110	106	103	108	105	102	105	103	100	95
2.50	111	108	105	109	106	104	106	104	102	96
3.00	112	109	107	111	108	106	107	105	103	97
4.00	114	112	110	112	110	108	109	107	106	99
5.00	116	113	112	113	112	110	109	108	107	100
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-01-26

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: 2700K, 60°lens
2#反射器, ADR8CC 98054

ISOCANDELA DIAGRAM

Test:U:120.4V I:0.2614A P:31.29W PF:0.9941 Lamp Flux:2426.89x1 lm		
NAME: 30ADL/60°lens 120-277V	TYPE:LED	WEIGHT:
SPEC.:30ADL/60°lens 120-277V	DIM.:	SERIAL No.:02
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

2412.2 lm

%lum = 99.4%

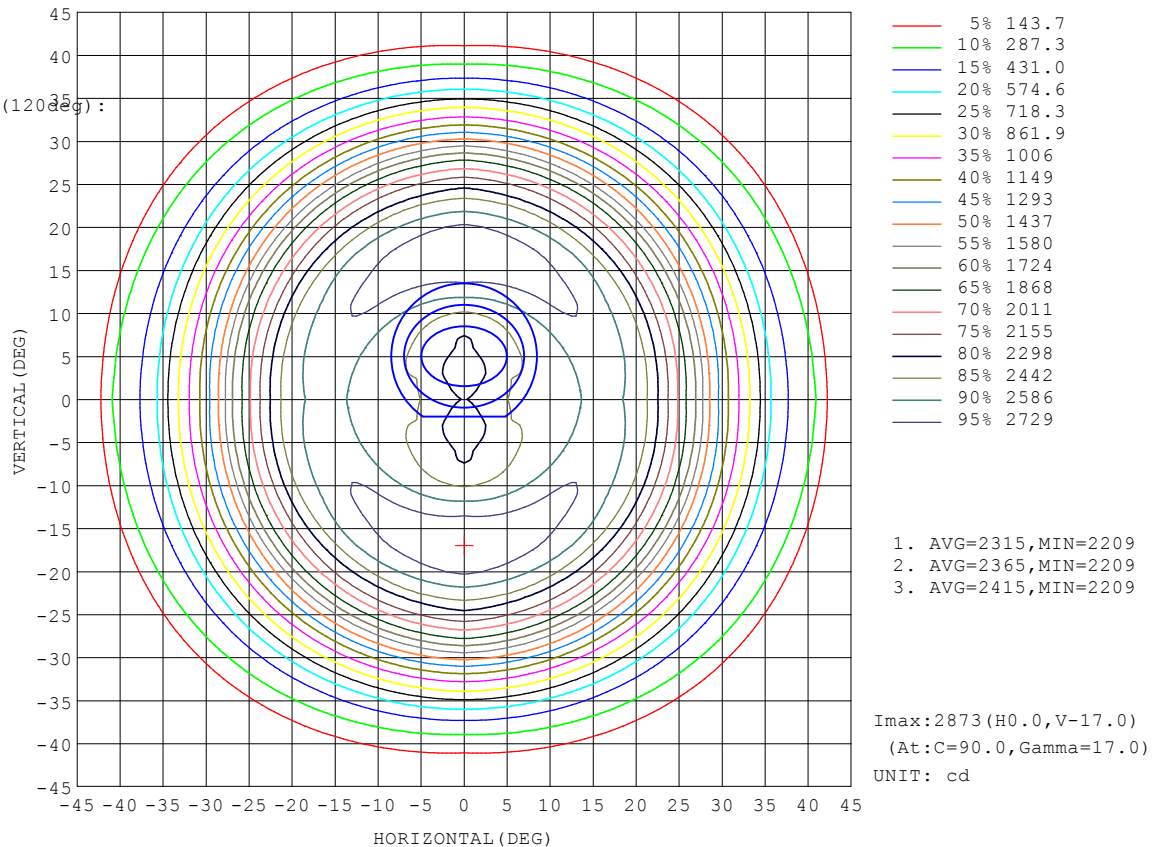
%lamp = 99.4%

Conical surface Flux(120deg):

2422.4 lm

%lum = 99.8%

%lamp = 99.8%

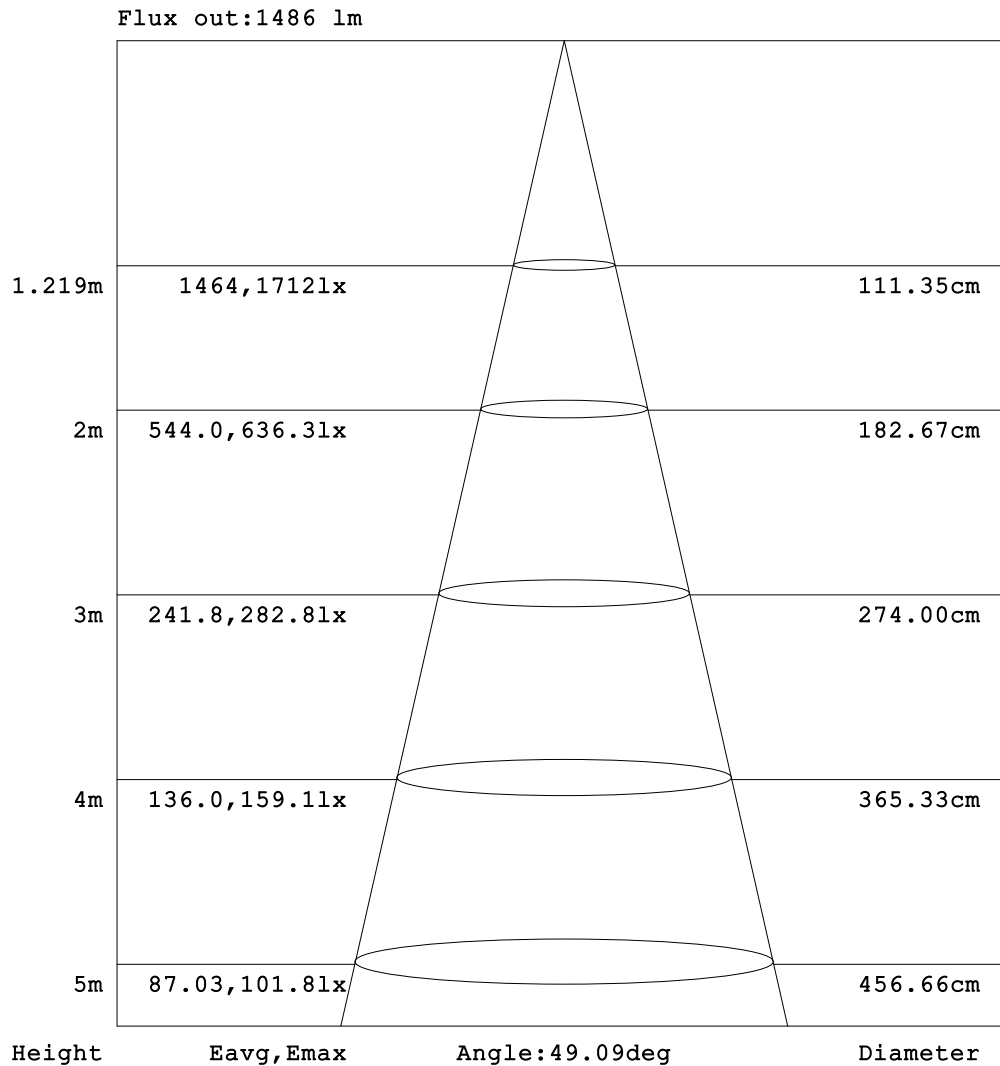


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-01-26

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: 2700K, 60°lens
2#反射器, ADR8CC 98054

AAI Figure

Test:U:120.4V I:0.2614A P:31.29W PF:0.9941 Lamp Flux:2426.89x1 lm		
NAME: 30ADL/60°lens 120-277V	TYPE:LED	WEIGHT:
SPEC.:30ADL/60°lens 120-277V	DIM.:	SERIAL No.:02
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



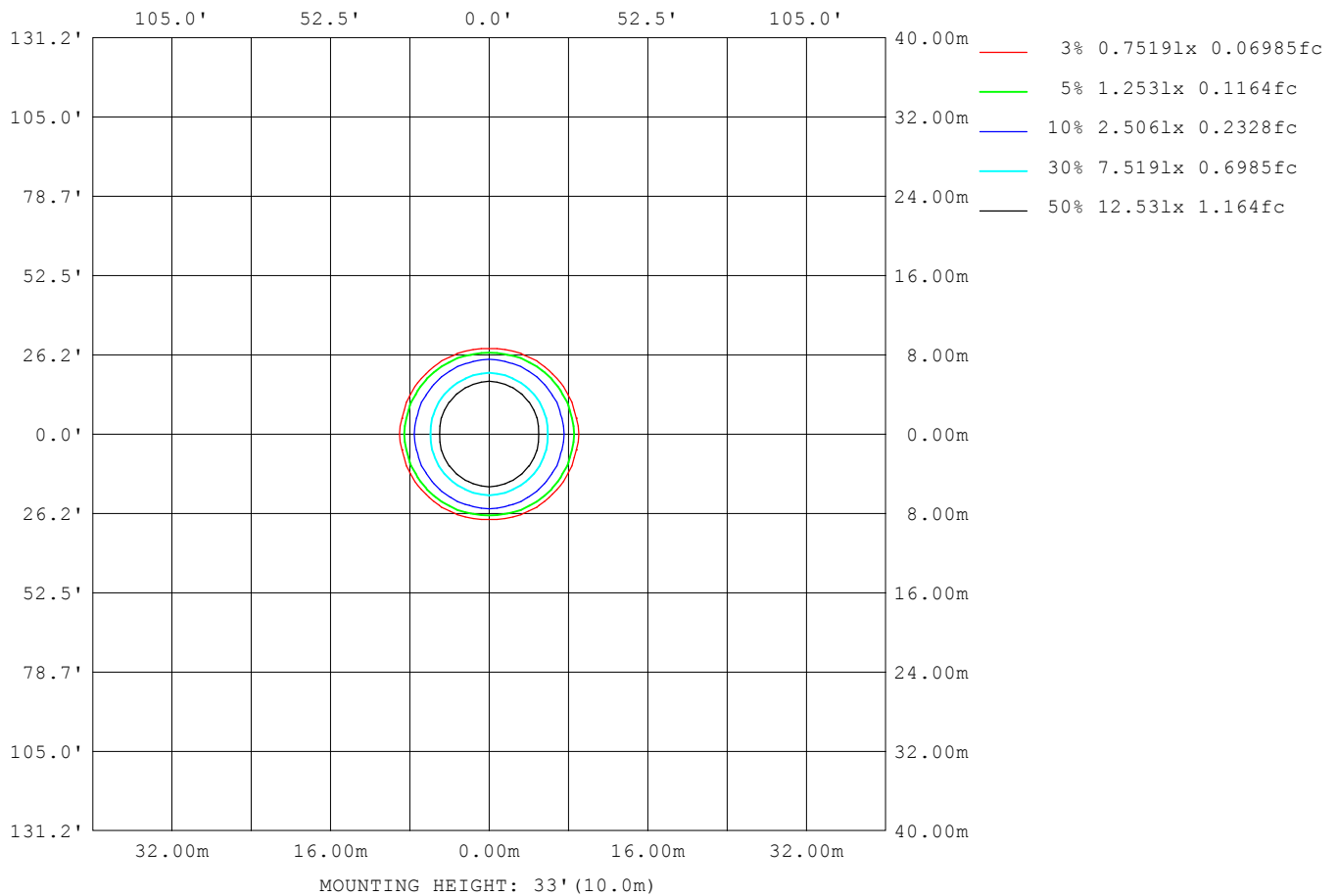
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-01-26

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: 2700K, 60°lens
2#反射器, ADR8CC 98054

ISOLUX DIAGRAM

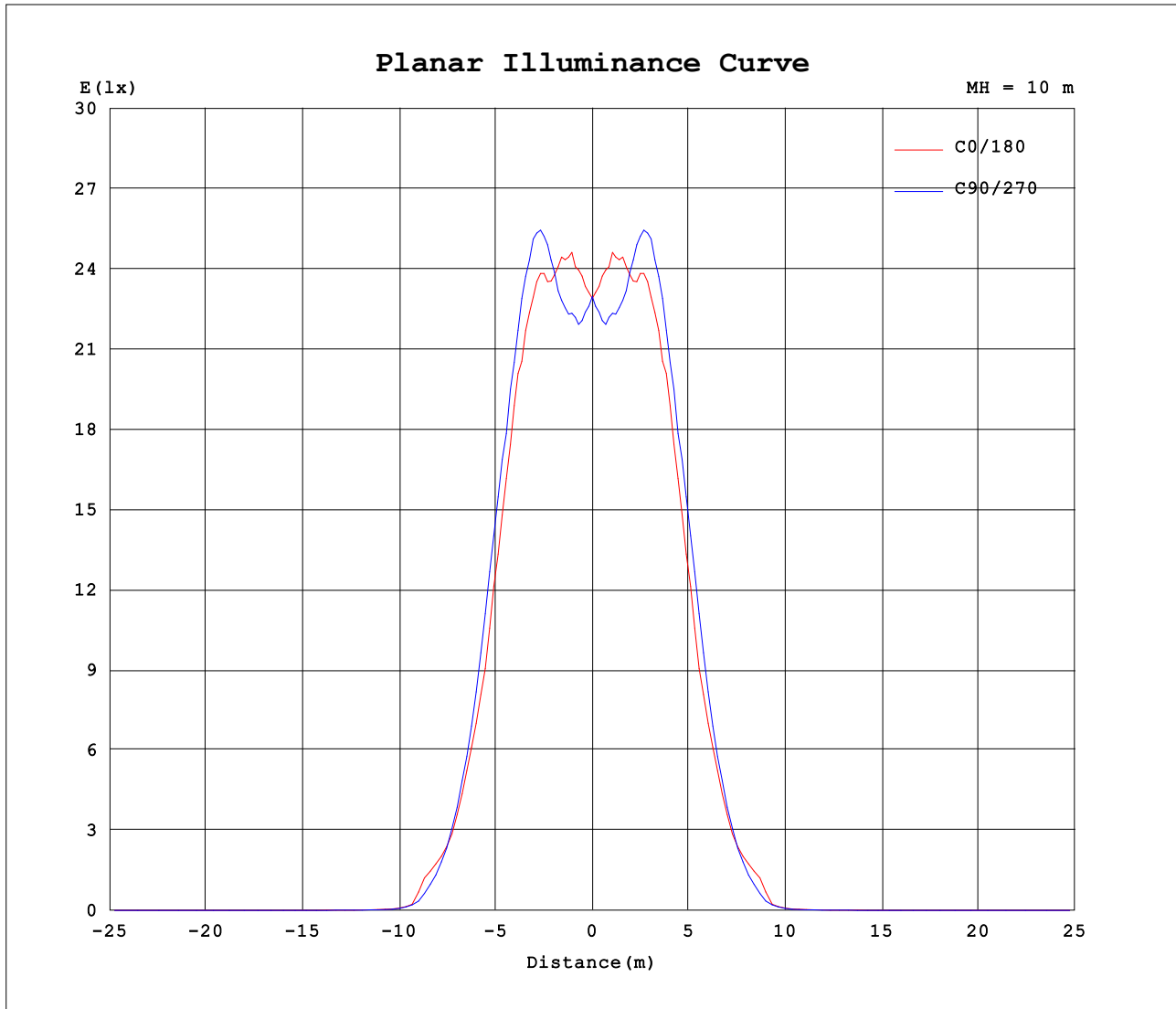
Test:U:120.4V I:0.2614A P:31.29W PF:0.9941 Lamp Flux:2426.89x1 lm		
NAME: 30ADL/60°lens 120-277V	TYPE:LED	WEIGHT:
SPEC.:30ADL/60°lens 120-277V	DIM.:	SERIAL No.:02
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-01-26

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: 2700K, 60°lens
2#反射器, ADR8CC 98054

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Aaron
 Test Date: 2018-01-26

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: 2700K, 60° lens
 2#反射器, ADR8CC 98054

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.4V I:0.2614A P:31.29W PF:0.9941 Lamp Flux:2426.89x1 lm		
NAME: 30ADL/60°lens 120-277V	TYPE:LED	WEIGHT:
SPEC.:30ADL/60°lens 120-277V	DIM.:	SERIAL No.:02
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	90	180	270															
0	2290	2297	2290	2297															
5	2437	2245	2437	2245															
10	2522	2427	2522	2427															
15	2644	2824	2644	2824															
20	2477	2760	2477	2760															
25	1989	2266	1989	2266															
30	1245	1486	1245	1486															
35	653	704	653	704															
40	327	218	327	218															
45	27.2	22.2	27.2	22.2															
50	9.66	7.91	9.66	7.91															
55	5.23	4.61	5.23	4.61															
60	2.99	2.81	2.99	2.81															
65	1.81	1.78	1.81	1.78															
70	1.08	1.12	1.08	1.12															
75	0.61	0.62	0.61	0.62															
80	0.25	0.23	0.25	0.23															
85	0.00	0.00	0.00	0.00															
90	0.00	0.00	0.00	0.00															
95	0.00	0.00	0.00	0.00															
100	0.00	0.00	0.00	0.00															
105	0.00	0.00	0.00	0.00															
110	0.00	0.00	0.00	0.00															
115	0.00	0.00	0.00	0.00															
120	0.00	0.00	0.00	0.00															
125	0.14	0.08	0.14	0.08															
130	0.29	0.23	0.29	0.23															
135	0.47	0.39	0.47	0.39															
140	0.67	0.57	0.67	0.57															
145	0.84	0.76	0.84	0.76															
150	1.03	0.93	1.03	0.93															
155	1.14	1.11	1.14	1.11															
160	1.25	1.26	1.25	1.26															
165	1.39	1.41	1.39	1.41															
170	1.53	1.54	1.53	1.54															
175	1.63	1.63	1.63	1.63															
180	1.69	1.66	1.69	1.66															

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-01-26

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: 2700K, 60°lens
2#反射器, ADR8CC 98054