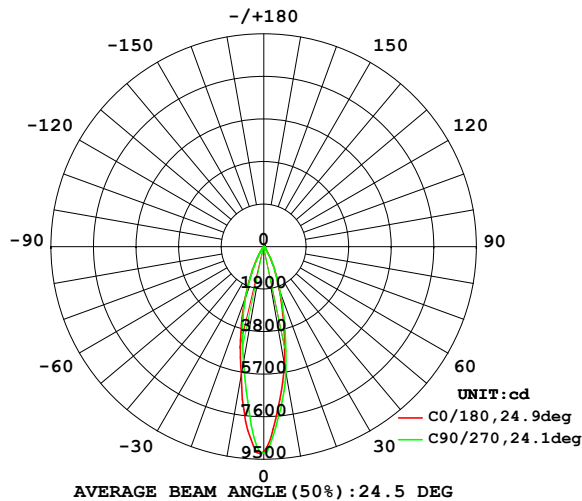


LUMINAIRE PHOTOMETRIC TEST REPORT

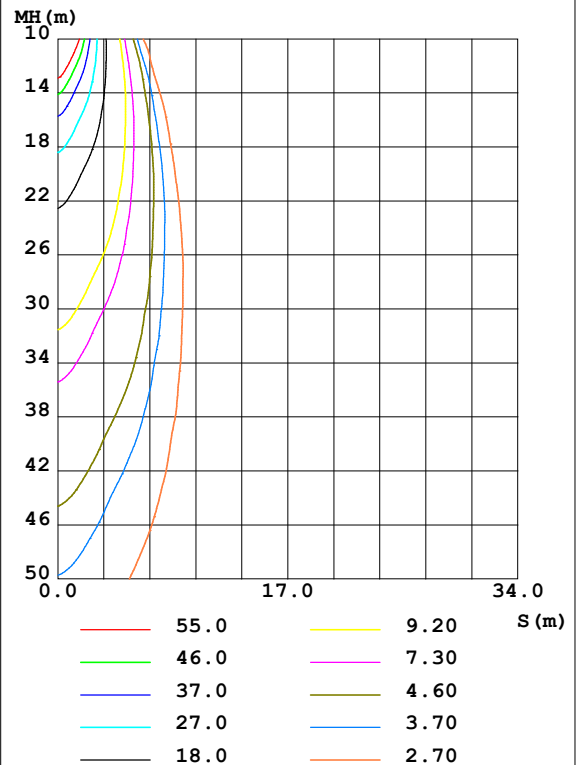
Test:U:120.3V I:0.2588A P:30.94W PF:0.9942 Lamp Flux:2433.75x1 lm		
NAME: 30ADL/25°lens 120-277V	TYPE:LED	WEIGHT:
SPEC.:30ADL/25°lens 120-277V	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 78.65 lm/W			
MODEL		I _{max} (cd)	9245	S/MH (C0/180)	0.44
NOMINAL POWER (W)	30	LOR (%)	100.0	S/MH (C90/270)	0.39
RATED VOLTAGE (V)	120-277	TOTAL FLUX (lm)	2433.8	η UP, DN (C0-180)	0.1, 48.6
NOMINAL FLUX (lm)	2433.75	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 51.3
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: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Aaron
Test Date: 2018-01-29

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: 2700K, 25°lens
1#反射器, ADR6CC 98046

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%lum
10	5326	5700	5831	5252					0- 10	663.4	663.4	27.3
20	2074	2166	2478	2382					10- 20	1014	1678	68.9
30	604.9	635.8	614.8	493.7					20- 30	573.2	2251	92.5
40	84.01	80.88	82.05	82.35					30- 40	138.9	2390	98.2
50	11.56	10.77	10.52	12.98					40- 50	32.28	2422	99.5
60	3.625	3.588	3.289	4.198					50- 60	5.981	2428	99.8
70	1.386	1.428	1.243	1.660					60- 70	2.322	2430	99.9
80	0.4097	0.4018	0.3314	0.5371					70- 80	0.9376	2431	99.9
90	0	0	0	0					80- 90	0.1197	2431	99.9
100	0	0	0	0					90-100	0	2431	99.9
110	0	0	0	0					100-110	0	2431	99.9
120	0	0	0	0					110-120	0	2431	99.9
130	0.2033	0.1856	0.1667	0.1524					120-130	0.0316	2431	99.9
140	0.7845	0.7600	0.7221	0.7140					130-140	0.3342	2432	99.9
150	1.416	1.398	1.334	1.308					140-150	0.6659	2432	99.9
160	1.761	1.755	1.685	1.653					150-160	0.7218	2433	100
170	1.723	1.723	1.653	1.640					160-170	0.4910	2434	100
180	1.647	1.627	1.647	1.634					170-180	0.1572	2434	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

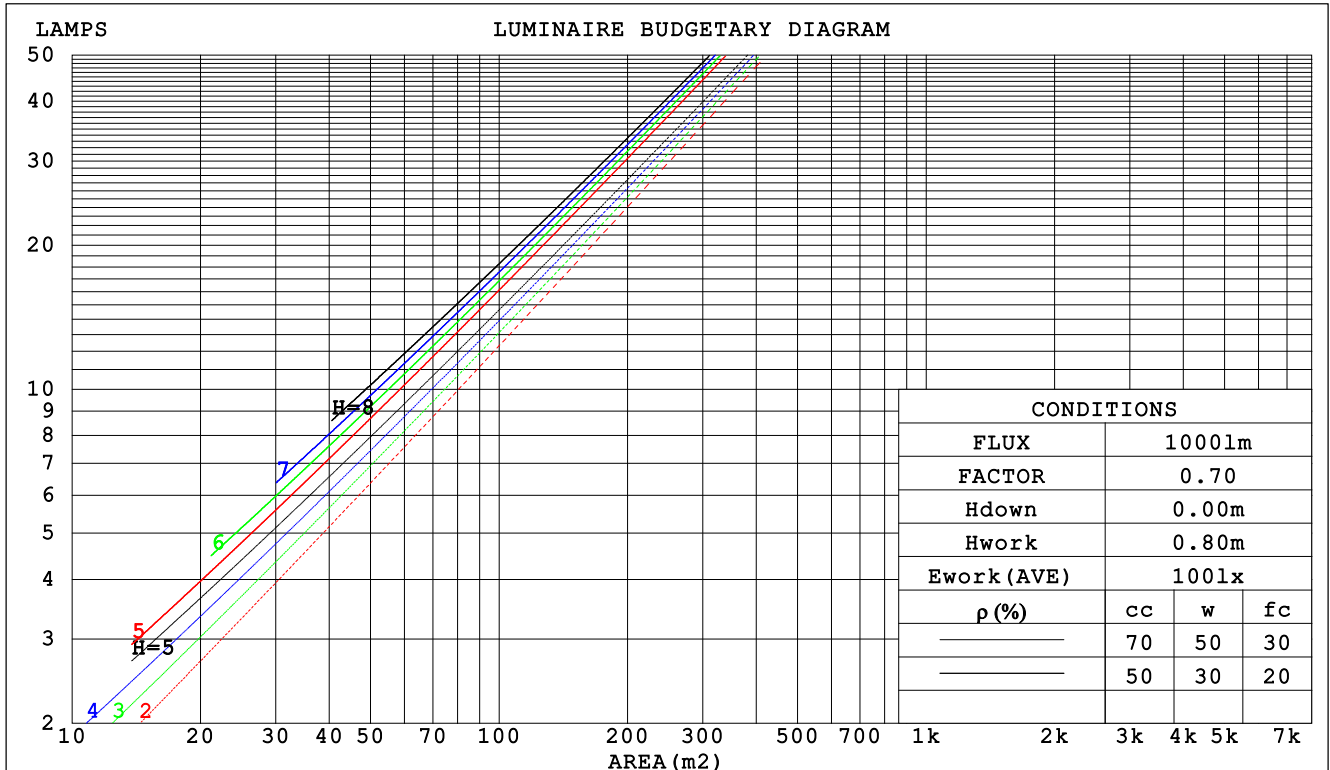
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-01-29

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: 2700K, 25°lens
1#反射器, ADR6CC 98046

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.3V I:0.2588A P:30.94W PF:0.9942 Lamp Flux:2433.75x1 lm		
NAME: 30ADL/25°lens 120-277V	TYPE:LED	WEIGHT:
SPEC.:30ADL/25°lens 120-277V	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-01-29

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: 2700K, 25°lens
1#反射器, ADR6CC 98046

WEC AND CCEC

Test:U:120.3V I:0.2588A P:30.94W PF:0.9942 Lamp Flux:2433.75x1 lm		
NAME: 30ADL/25°lens 120-277V	TYPE:LED	WEIGHT:
SPEC.:30ADL/25°lens 120-277V	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	.146	.083	.026	.139	.079	.025	.127	.073	.023	.115	.067	.021	.105	.061	.020		
2.0	.137	.075	.023	.131	.072	.022	.121	.067	.021	.111	.062	.020	.102	.058	.018		
3.0	.128	.068	.020	.124	.066	.020	.115	.062	.019	.107	.059	.018	.099	.055	.017		
4.0	.121	.063	.018	.117	.061	.018	.110	.058	.017	.103	.055	.017	.096	.052	.016		
5.0	.114	.058	.017	.111	.057	.017	.105	.055	.016	.099	.052	.016	.093	.050	.015		
6.0	.109	.054	.016	.106	.053	.015	.100	.051	.015	.095	.049	.015	.090	.048	.014		
7.0	.104	.051	.015	.101	.050	.014	.096	.049	.014	.092	.047	.014	.088	.045	.013		
8.0	.099	.048	.014	.097	.048	.013	.093	.046	.013	.089	.045	.013	.085	.044	.013		
9.0	.095	.046	.013	.093	.045	.013	.089	.044	.012	.086	.043	.012	.082	.042	.012		
10.0	.091	.044	.012	.089	.043	.012	.086	.042	.012	.083	.041	.012	.080	.040	.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	.170	.158	.148	.145	.136	.127	.099	.093	.088	.057	.054	.051	.018	.017	.017	
2.0	.152	.133	.118	.130	.115	.102	.089	.079	.071	.052	.046	.042	.017	.015	.014	
3.0	.138	.114	.095	.118	.098	.082	.081	.068	.058	.047	.040	.034	.015	.013	.011	
4.0	.126	.099	.078	.108	.085	.068	.074	.060	.048	.043	.035	.028	.014	.011	.009	
5.0	.116	.087	.065	.100	.075	.057	.069	.052	.040	.040	.031	.024	.013	.010	.008	
6.0	.107	.077	.055	.092	.067	.048	.064	.047	.034	.037	.027	.020	.012	.009	.007	
7.0	.100	.069	.047	.086	.060	.041	.060	.042	.029	.035	.025	.017	.011	.008	.006	
8.0	.094	.062	.041	.081	.054	.035	.056	.038	.025	.033	.022	.015	.011	.007	.005	
9.0	.089	.057	.035	.076	.049	.031	.053	.035	.022	.031	.020	.013	.010	.007	.004	
10.0	.084	.052	.031	.072	.045	.027	.050	.032	.019	.029	.019	.011	.009	.006	.004	

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-01-29

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: 2700K, 25°lens
1#反射器, ADR6CC 98046

UGR(Unified Glare Rating) Table

Test:U:120.3V I:0.2588A P:30.94W PF:0.9942 Lamp Flux:2433.75x1 lm										
NAME: 30ADL/25°lens 120-277V					TYPE:LED			WEIGHT:		
SPEC.:30ADL/25°lens 120-277V					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	-0.9	-0.2	-0.7	-0.0	0.1	-1.8	-1.1	-1.6	-0.9	-0.8
3H	-1.0	-0.4	-0.8	-0.2	0.0	-2.0	-1.3	-1.7	-1.1	-0.9
4H	-1.1	-0.5	-0.8	-0.3	-0.1	-2.0	-1.4	-1.8	-1.2	-1.0
6H	-1.2	-0.6	-0.9	-0.4	-0.1	-2.1	-1.5	-1.8	-1.3	-1.0
8H	-1.2	-0.7	-0.9	-0.4	-0.2	-2.2	-1.6	-1.9	-1.3	-1.1
12H	-1.3	-0.7	-1.0	-0.5	-0.2	-2.2	-1.6	-1.9	-1.4	-1.1
4H 2H	-1.1	-0.5	-0.9	-0.3	-0.1	-2.0	-1.4	-1.8	-1.2	-1.0
3H	-1.3	-0.7	-1.0	-0.5	-0.2	-2.2	-1.6	-1.9	-1.4	-1.1
4H	-1.4	-0.9	-1.0	-0.6	-0.3	-2.3	-1.8	-1.9	-1.5	-1.2
6H	-1.5	-1.0	-1.1	-0.7	-0.3	-2.4	-1.9	-2.0	-1.6	-1.3
8H	-1.5	-1.1	-1.1	-0.7	-0.4	-2.4	-2.0	-2.0	-1.7	-1.3
12H	-1.6	-1.2	-1.2	-0.8	-0.4	-2.5	-2.1	-2.1	-1.7	-1.3
8H 4H	-1.5	-1.1	-1.1	-0.7	-0.4	-2.4	-2.0	-2.0	-1.7	-1.3
6H	-1.6	-1.3	-1.2	-0.9	-0.5	-2.5	-2.2	-2.1	-1.8	-1.4
8H	-1.7	-1.4	-1.2	-1.0	-0.5	-2.6	-2.3	-2.1	-1.9	-1.4
12H	-1.7	-1.5	-1.3	-1.0	-0.6	-2.6	-2.4	-2.2	-1.9	-1.5
12H 4H	-1.6	-1.2	-1.2	-0.8	-0.4	-2.5	-2.1	-2.1	-1.7	-1.3
6H	-1.7	-1.4	-1.2	-1.0	-0.5	-2.6	-2.3	-2.1	-1.9	-1.4
8H	-1.7	-1.5	-1.3	-1.0	-0.6	-2.6	-2.4	-2.2	-1.9	-1.5
Variations with the observer position at spacings:										
S = 1.0H	+ 2.7 / - 9.4					+ 2.5 / - 9.2				
1.5H	+ 4.7 / - 8.3					+ 4.5 / - 8.0				
2.0H	+ 7.1 / - 5.9					+ 6.8 / - 5.4				

CIE Pub.117 Corrected 2434 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:2018-01-29

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: 2700K, 25°lens
1#反射器, ADR6CC 98046

UTILIZATION FACTORS TABLE

Test:U:120.3V I:0.2588A P:30.94W PF:0.9942 Lamp Flux:2433.75x1 lm		
NAME: 30ADL/25°lens 120-277V	TYPE:LED	WEIGHT:
SPEC.:30ADL/25°lens 120-277V	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) $k(RI) \times RCR = 5$									
$k = 0.60$	90	85	81	90	84	81	89	84	81	78
0.80	97	92	89	97	92	89	96	91	88	85
1.00	101	96	93	101	96	93	99	96	92	89
1.25	105	100	97	104	100	97	102	99	96	92
1.50	107	103	100	106	102	100	104	101	99	94
2.00	110	106	103	108	105	102	106	103	101	96
2.50	111	108	105	110	106	104	107	104	102	96
3.00	113	109	107	111	108	106	107	105	104	97
4.00	114	112	110	112	110	108	109	107	106	99
5.00	116	114	112	113	112	110	110	108	107	100
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNM = 1.25		

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-01-29

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: 2700K, 25°lens
1#反射器, ADR6CC 98046

ISOCANDELA DIAGRAM

Test:U:120.3V I:0.2588A P:30.94W PF:0.9942 Lamp Flux:2433.75x1 lm		
NAME: 30ADL/25°lens 120-277V	TYPE:LED	WEIGHT:
SPEC.:30ADL/25°lens 120-277V	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

2412.9 lm

%lum = 99.1%

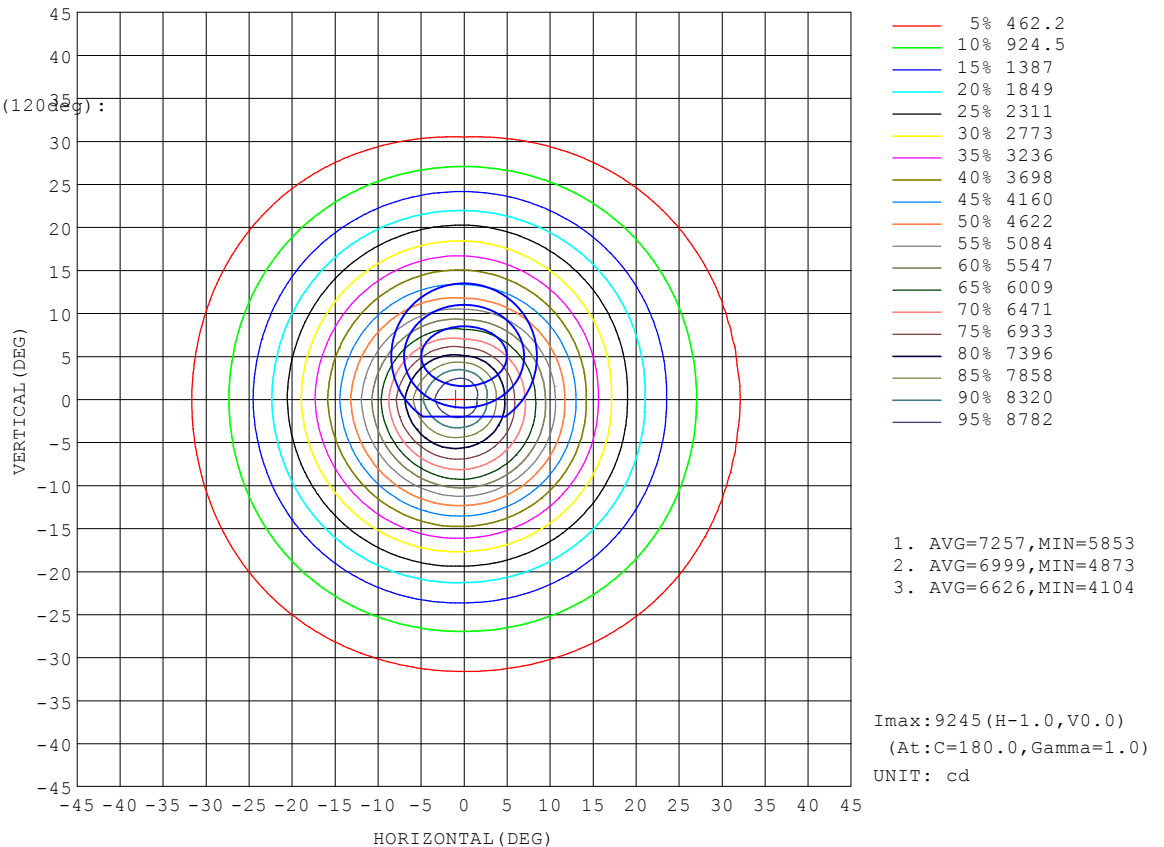
%lamp = 99.1%

Conical surface Flux(120deg):

2428 lm

%lum = 99.8%

%lamp = 99.8%

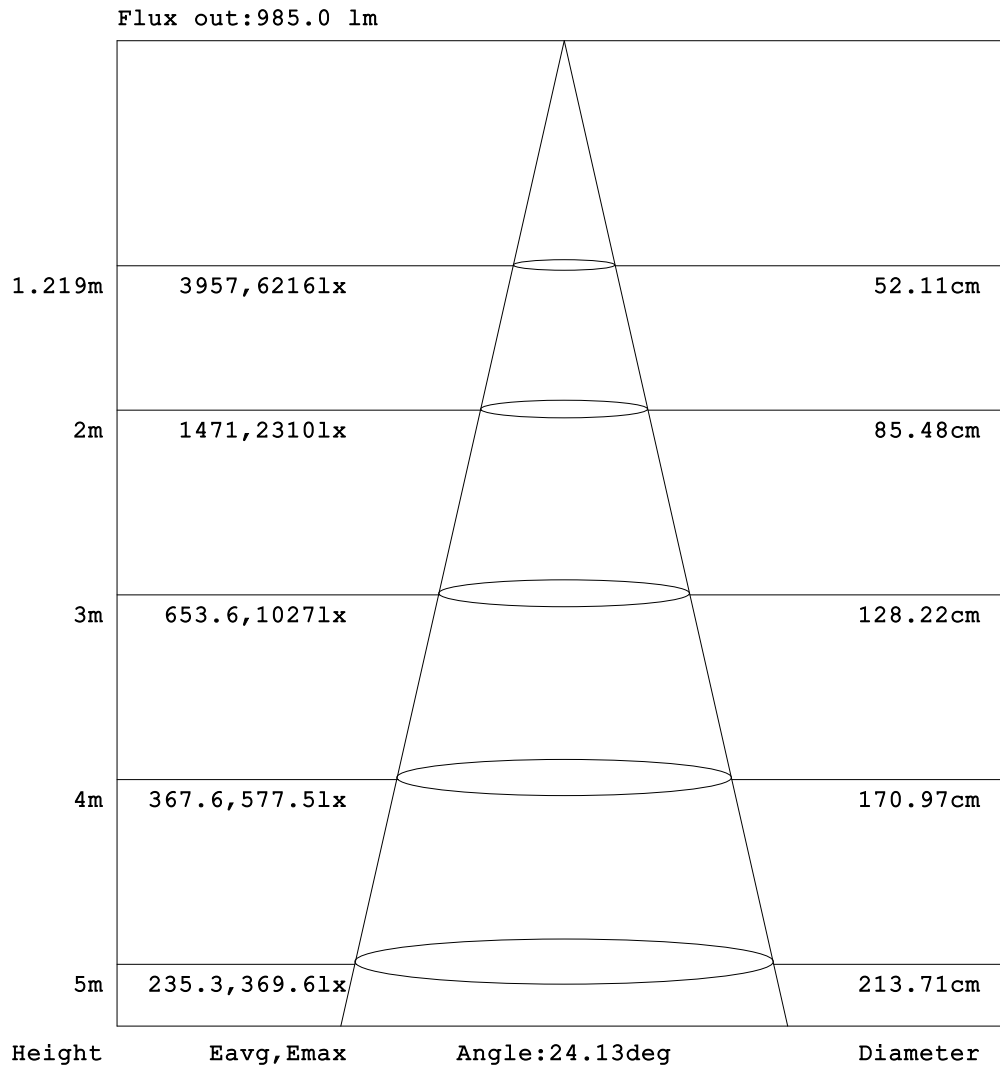


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-01-29

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: 2700K, 25°lens
1#反射器, ADR6CC 98046

AAI Figure

Test:U:120.3V I:0.2588A P:30.94W PF:0.9942 Lamp Flux:2433.75x1 lm		
NAME: 30ADL/25°lens 120-277V	TYPE:LED	WEIGHT:
SPEC.:30ADL/25°lens 120-277V	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



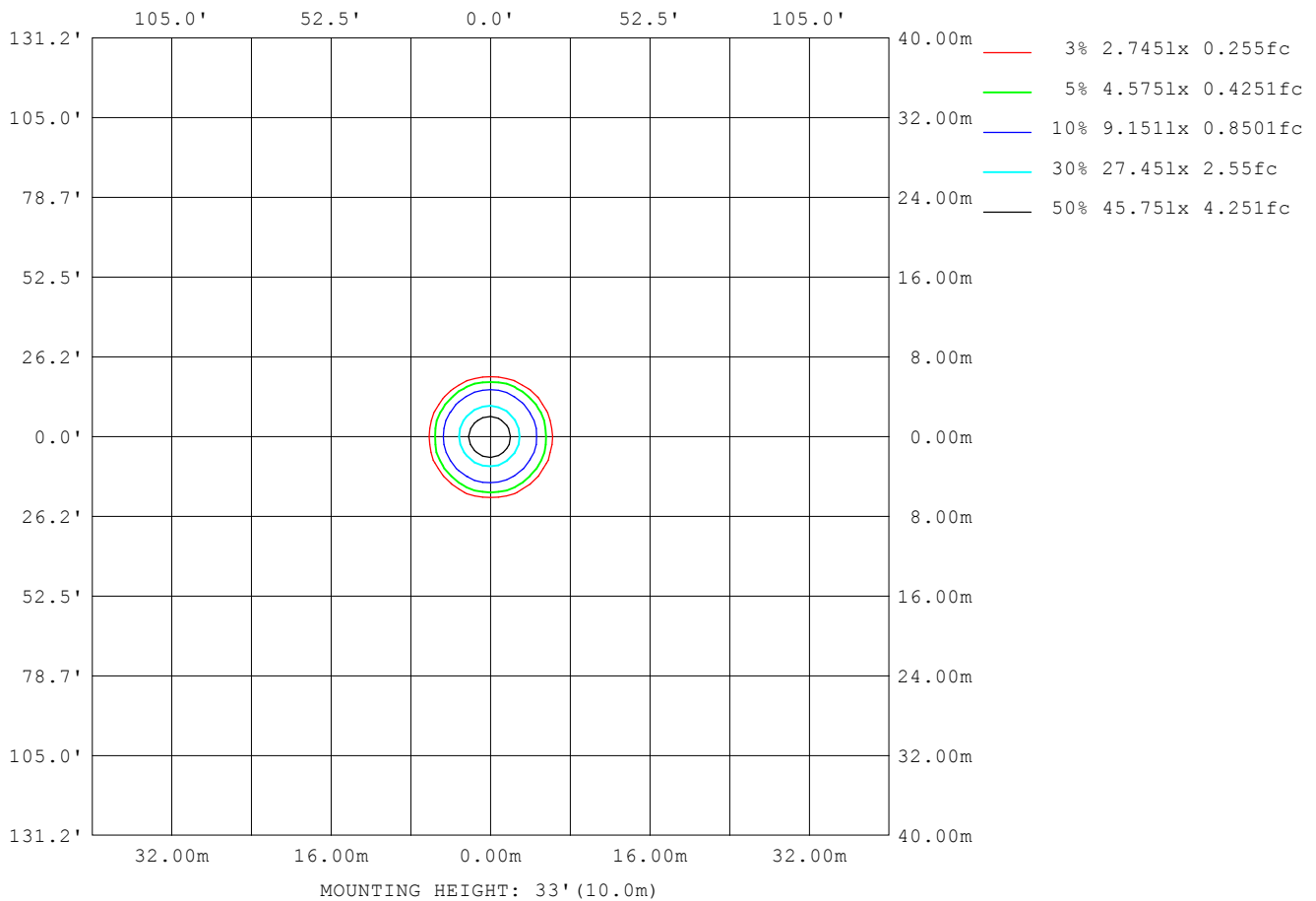
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-01-29

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: 2700K, 25°lens
1#反射器, ADR6CC 98046

ISOLUX DIAGRAM

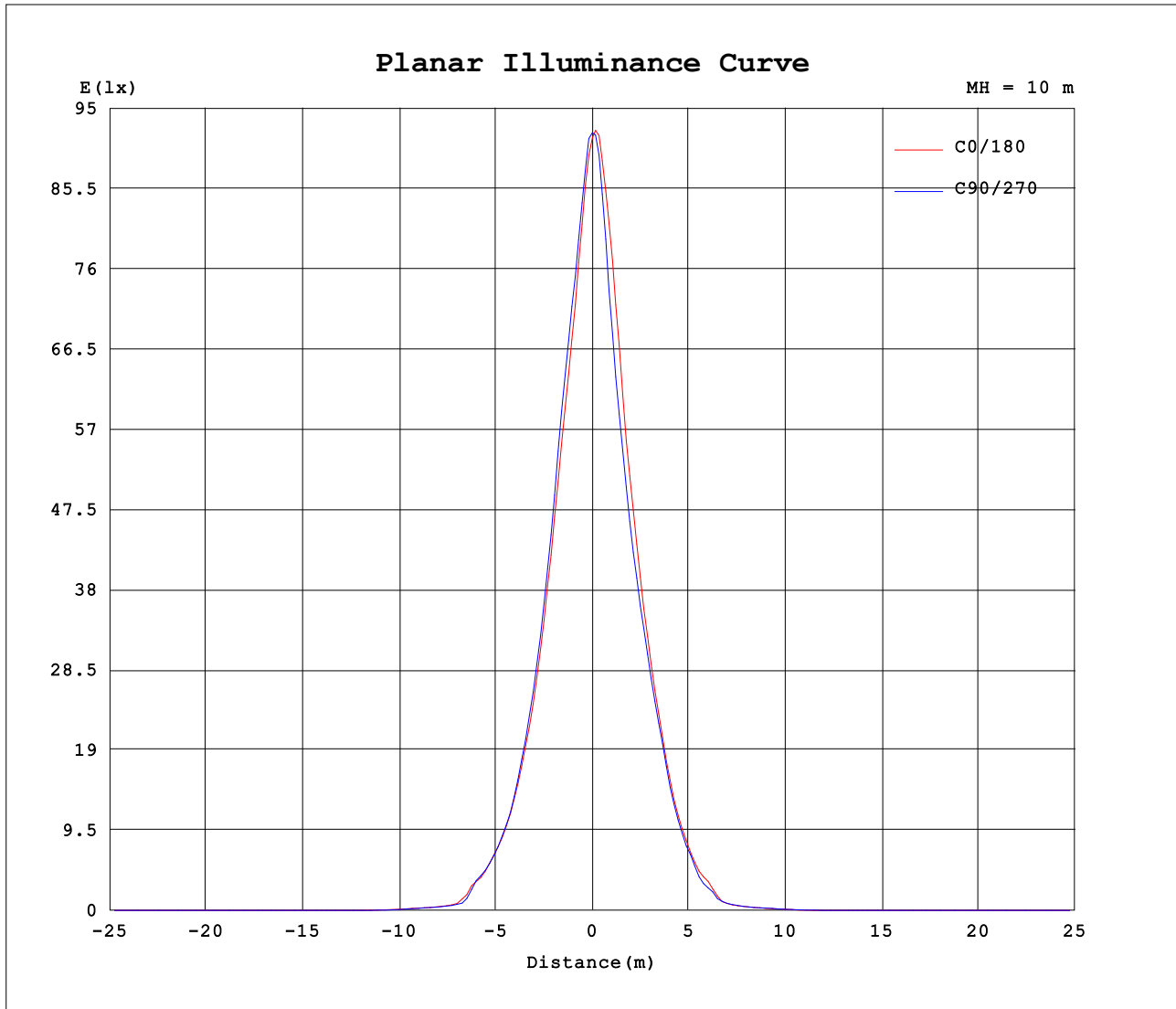
Test:U:120.3V I:0.2588A P:30.94W PF:0.9942 Lamp Flux:2433.75x1 lm		
NAME: 30ADL/25°lens 120-277V	TYPE:LED	WEIGHT:
SPEC.:30ADL/25°lens 120-277V	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-01-29

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: 2700K, 25°lens
1#反射器, ADR6CC 98046

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Aaron
 Test Date: 2018-01-29

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: 2700K, 25° lens
 1#反射器, ADR6CC 98046

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.3V I:0.2588A P:30.94W PF:0.9942 Lamp Flux:2433.75x1 lm		
NAME: 30ADL/25°lens 120-277V	TYPE:LED	WEIGHT:
SPEC.:30ADL/25°lens 120-277V	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	90	180	270															
0	9151	9215	9151	9215															
5	7261	7604	8239	7429															
10	5326	5700	5831	5252															
15	3438	3614	3964	3705															
20	2074	2166	2478	2382															
25	1162	1189	1300	1231															
30	605	636	615	494															
35	154	134	152	152															
40	84.0	80.9	82.1	82.4															
45	44.3	39.1	39.6	43.4															
50	11.6	10.8	10.5	13.0															
55	6.32	6.09	5.74	7.20															
60	3.63	3.59	3.29	4.20															
65	2.18	2.22	1.98	2.59															
70	1.39	1.43	1.24	1.66															
75	0.84	0.85	0.73	1.04															
80	0.41	0.40	0.33	0.54															
85	0.03	0.00	0.00	0.07															
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	0.00	0.00	0.00	0.00															
130	0.20	0.19	0.17	0.15															
135	0.46	0.43	0.42	0.40															
140	0.78	0.76	0.72	0.71															
145	1.14	1.10	1.06	1.08															
150	1.42	1.40	1.33	1.31															
155	1.64	1.63	1.55	1.53															
160	1.76	1.76	1.68	1.65															
165	1.79	1.79	1.72	1.70															
170	1.72	1.72	1.65	1.64															
175	1.64	1.63	1.62	1.58															
180	1.65	1.63	1.65	1.63															

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-01-29

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: 2700K, 25°lens
1#反射器, ADR6CC 98046