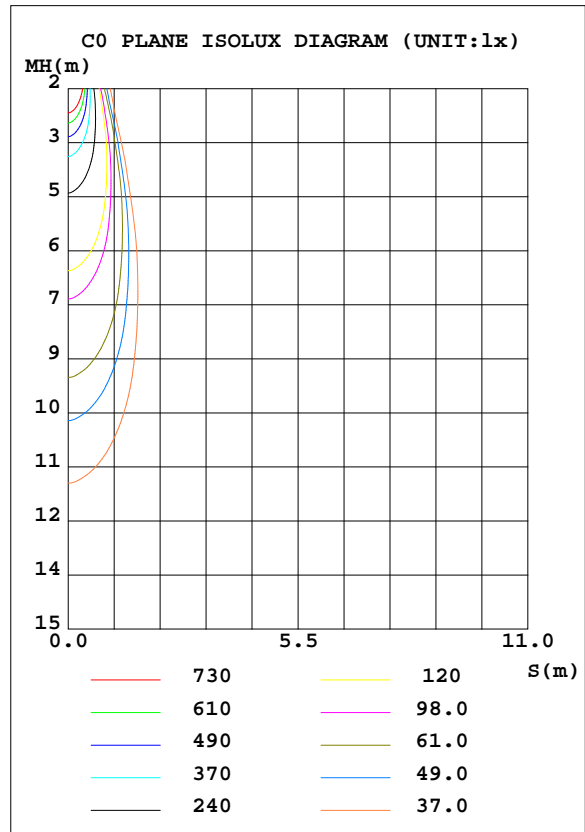
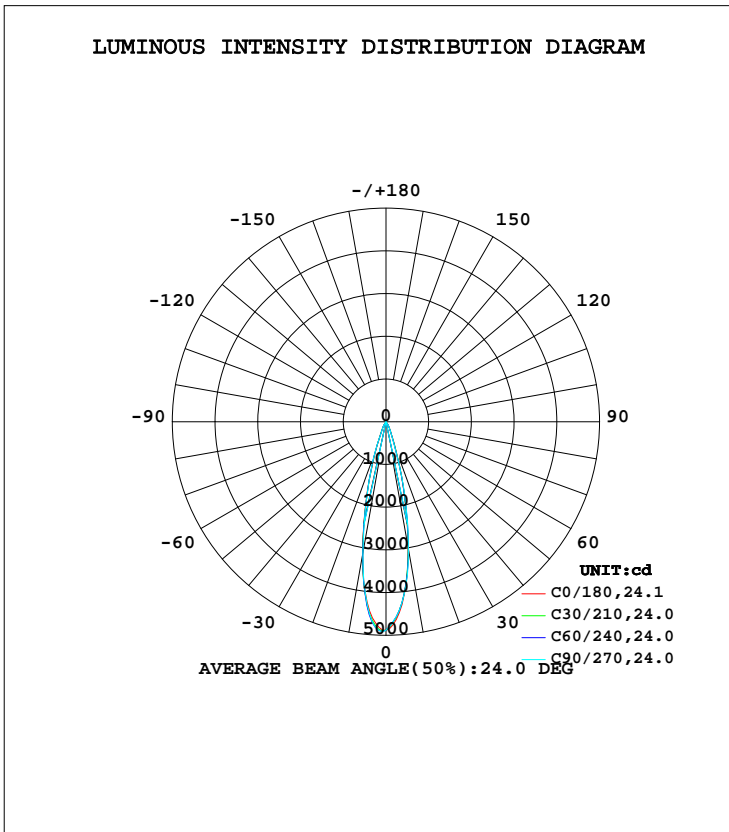


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:220.0V I:0.0676A P:13.45W PF:0.9049 Freq:50.00Hz Lamp Flux:982.3x1 lm		
NAME: FA5-11W-840-24D Black	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L153mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	OSRAM-4000K	Imax(cd)	4921	S/MH(C0/180)	0.41
NOMINAL POWER(W)	13.0	LOR(%)	100.0	S/MH(C90/270)	0.41
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	982.30	η UP, DN(C0-180)	0.0,49.1
NOMINAL FLUX(lm)	982.3	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,50.9
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	220	η down(%)	100.0	CIBSE SHR MAX	1.00



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.2DEG  
 Operators:Cao Chengpei  
 Test Date:2016-06-23

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:52%  
 Test Distance:5.850m [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,lamp
10	2994	3046	3038	3109	3165	3107	3109	3056	0- 10	375.9	375.9	38.3,38.3
20	623.9	578.8	551.4	618.6	672.2	708.3	713.9	704.8	10- 20	445.4	821.4	83.6,83.6
30	136.2	145.5	143.4	145.7	138.8	137.6	132.2	139.8	20- 30	132.3	953.6	97.1,97.1
40	5.694	5.812	5.727	5.723	5.296	6.923	7.970	6.339	30- 40	27.66	981.3	99.9,99.9
50	0.2153	0.2278	0.2410	0.2065	0.1915	0.1919	0.1618	0.2004	40- 50	0.7043	982.0	100,100
60	0.1215	0.1149	0.1300	0.1022	0.0959	0.1065	0.0767	0.1108	50- 60	0.1320	982.1	100,100
70	0.0831	0.0660	0.0852	0.0618	0.0660	0.0682	0.0553	0.0703	60- 70	0.0845	982.2	100,100
80	0.0596	0.0383	0.0575	0.0383	0.0405	0.0490	0.0320	0.0490	70- 80	0.0585	982.3	100,100
90	0.0469	0.0383	0.0383	0.0383	0.0405	0.0320	0.0320	0.0320	80- 90	0.0437	982.3	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 981.88 lm

%lum = 100.0%

%lamp = 100.0%

Conical surface Flux(120deg): 982.11 lm

%lum = 100.0%

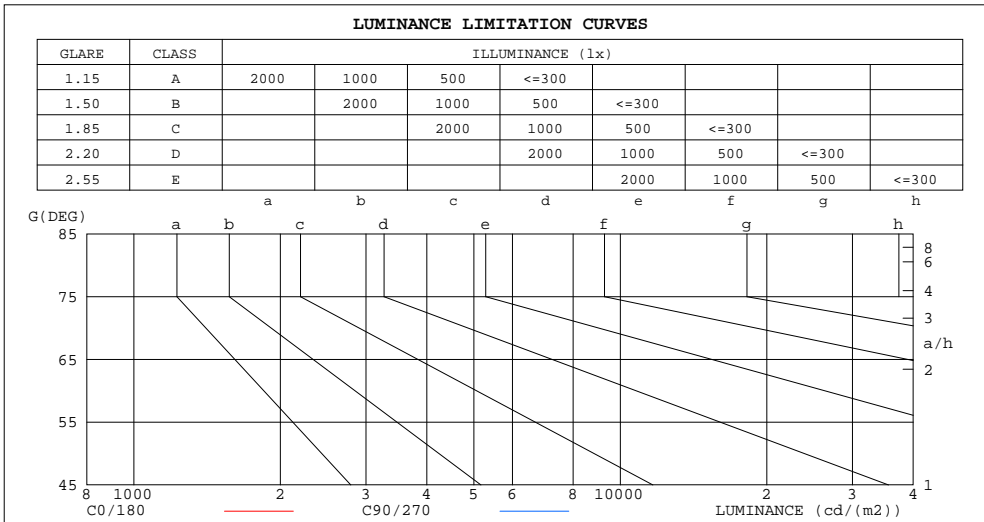
%lamp = 100.0%

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.2DEG  
Operators:Cao Chengpei  
Test Date:2016-06-23

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:

**LUMINANCE LIMITATION CURVES**

Test:U:220.0V I:0.0676A P:13.45W PF:0.9049 Freq:50.00Hz Lamp Flux:982.3x1 lm		
NAME: FA5-11W-840-24D Black	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L153mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	89	78
80	50	48
75	38	39
70	35	36
65	34	36
60	35	38
55	39	43
50	49	54
45	72	86

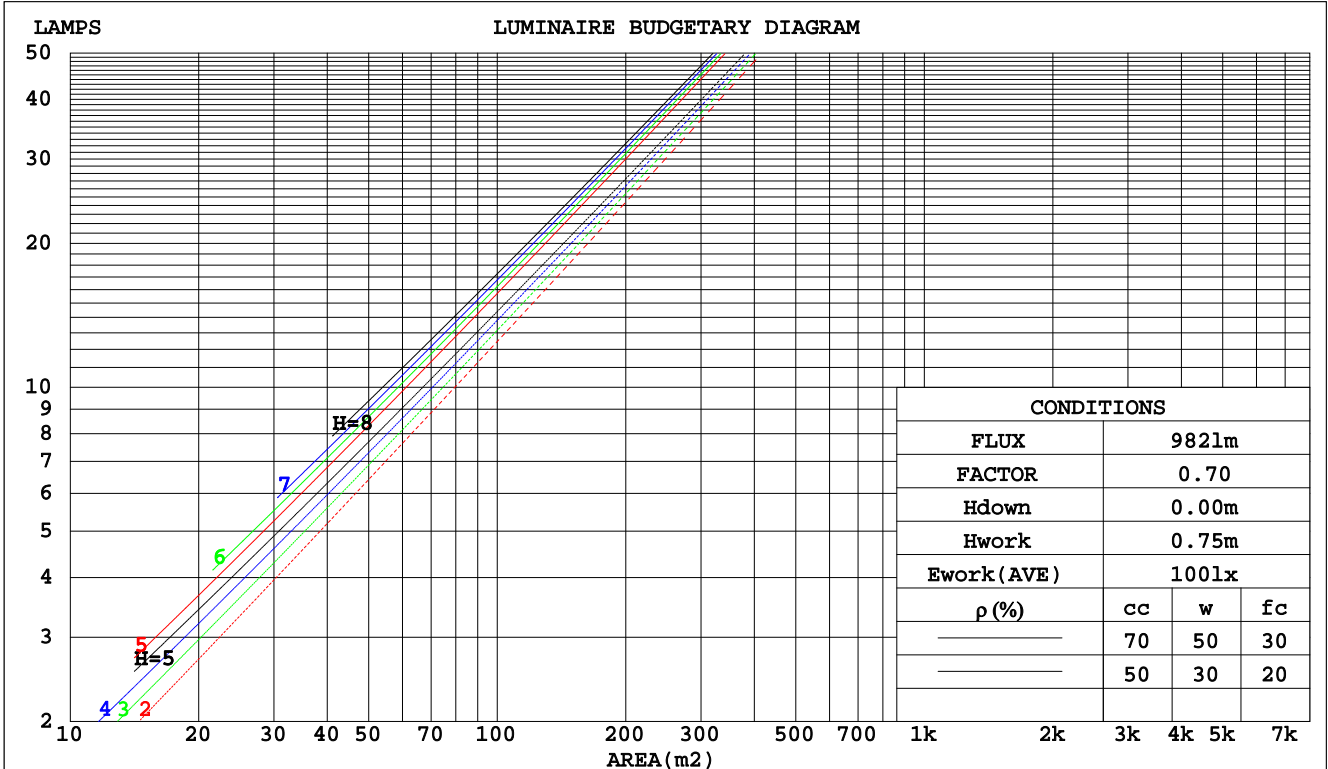
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.2DEG  
 Operators:Cao Chengpei  
 Test Date:2016-06-23

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:52%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:220.0V I:0.0676A P:13.45W PF:0.9049 Freq:50.00Hz Lamp Flux:982.3x1 lm		
NAME: FA5-11W-840-24D Black	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L153mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																0
pfc	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	1.13	1.11	1.10	1.11	1.09	1.08	1.07	1.06	1.05	1.03	1.02	1.02	1.00	.99	.99	.97
2.0	1.08	1.05	1.03	1.07	1.04	1.02	1.03	1.01	.00	1.01	.99	.97	.98	.97	.96	.94
3.0	1.04	1.00	.98	1.03	.99	.97	1.00	.98	.95	.98	.96	.94	.96	.94	.93	.91
4.0	1.00	.96	.93	.99	.96	.93	.97	.94	.92	.95	.93	.91	.94	.92	.90	.89
5.0	.97	.93	.90	.96	.92	.89	.94	.91	.89	.93	.90	.88	.91	.89	.87	.86
6.0	.94	.90	.87	.93	.89	.87	.92	.88	.86	.90	.88	.85	.89	.87	.85	.84
7.0	.91	.87	.84	.90	.86	.84	.89	.86	.83	.88	.85	.83	.87	.85	.83	.82
8.0	.88	.84	.82	.88	.84	.81	.87	.84	.81	.86	.83	.81	.85	.83	.81	.80
9.0	.86	.82	.79	.85	.82	.79	.85	.81	.79	.84	.81	.79	.83	.81	.79	.78
10.0	.84	.80	.77	.83	.80	.77	.83	.79	.77	.82	.79	.77	.81	.79	.77	.76



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.2DEG  
 Operators:Cao Chengpei  
 Test Date:2016-06-23

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:52%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:220.0V I:0.0676A P:13.45W PF:0.9049 Freq:50.00Hz Lamp Flux:982.3x1 lm		
NAME: FA5-11W-840-24D Black	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L153mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.132	.075	.024	.125	.071	.023	.113	.065	.021	.102	.059	.019	.091	.053	.017	
2.0	.122	.067	.020	.116	.064	.020	.106	.059	.018	.097	.054	.017	.088	.050	.016	
3.0	.113	.060	.018	.109	.058	.018	.100	.054	.016	.092	.051	.016	.085	.047	.015	
4.0	.106	.055	.016	.102	.053	.016	.095	.050	.015	.088	.047	.014	.082	.045	.014	
5.0	.100	.051	.015	.096	.049	.014	.090	.047	.014	.085	.045	.013	.079	.042	.013	
6.0	.094	.047	.014	.091	.046	.013	.086	.044	.013	.081	.042	.012	.077	.040	.012	
7.0	.089	.044	.013	.087	.043	.012	.082	.042	.012	.078	.040	.012	.074	.039	.011	
8.0	.085	.042	.012	.083	.041	.012	.079	.040	.011	.075	.038	.011	.072	.037	.011	
9.0	.081	.039	.011	.080	.039	.011	.076	.038	.011	.073	.037	.010	.070	.035	.010	
10.0	.078	.037	.010	.076	.037	.010	.073	.036	.010	.070	.035	.010	.068	.034	.010	

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.168	.158	.148	.144	.135	.128	.098	.093	.088	.057	.054	.051	.018	.017	.017	
2.0	.150	.133	.119	.128	.114	.103	.088	.079	.072	.051	.046	.042	.016	.015	.014	
3.0	.134	.113	.096	.115	.098	.084	.079	.068	.059	.046	.040	.035	.015	.013	.011	
4.0	.122	.098	.080	.104	.084	.069	.072	.059	.049	.041	.034	.029	.013	.011	.009	
5.0	.111	.085	.067	.095	.074	.058	.066	.052	.041	.038	.030	.024	.012	.010	.008	
6.0	.102	.075	.056	.087	.065	.049	.060	.046	.035	.035	.027	.021	.011	.009	.007	
7.0	.094	.067	.048	.081	.058	.042	.056	.041	.030	.032	.024	.018	.010	.008	.006	
8.0	.087	.060	.042	.075	.052	.036	.052	.037	.026	.030	.022	.015	.010	.007	.005	
9.0	.082	.055	.036	.070	.047	.032	.049	.033	.022	.028	.020	.013	.009	.006	.004	
10.0	.077	.050	.032	.066	.043	.028	.046	.030	.020	.027	.018	.012	.009	.006	.004	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.2DEG  
 Operators:Cao Chengpei  
 Test Date:2016-06-23

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:52%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.0V I:0.0676A P:13.45W PF:0.9049 Freq:50.00Hz Lamp Flux:982.3x1 lm		
NAME: FA5-11W-840-24D Black	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L153mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

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	4.9	5.5	5.1	5.7	5.8	5.4	6.1	5.6	6.2	6.3
3H	4.8	5.3	5.0	5.5	5.7	5.3	5.9	5.5	6.0	6.2
4H	4.7	5.2	4.9	5.4	5.6	5.2	5.8	5.5	6.0	6.2
6H	4.6	5.1	4.9	5.4	5.6	5.1	5.6	5.4	5.9	6.1
8H	4.6	5.1	4.8	5.3	5.6	5.1	5.6	5.4	5.8	6.1
12H	4.5	5.0	4.8	5.3	5.5	5.0	5.5	5.3	5.8	6.0
4H 2H	4.7	5.2	4.9	5.4	5.6	5.2	5.8	5.5	6.0	6.2
3H	4.5	5.0	4.8	5.3	5.5	5.0	5.5	5.3	5.8	6.0
4H	4.4	4.9	4.7	5.1	5.4	4.9	5.4	5.3	5.7	6.0
6H	4.3	4.7	4.7	5.0	5.4	4.8	5.2	5.2	5.6	5.9
8H	4.3	4.6	4.6	5.0	5.3	4.8	5.2	5.2	5.5	5.9
12H	4.2	4.5	4.6	4.9	5.3	4.7	5.1	5.1	5.4	5.8
8H 4H	4.3	4.6	4.6	5.0	5.3	4.8	5.2	5.2	5.5	5.9
6H	4.1	4.5	4.6	4.8	5.3	4.7	5.0	5.1	5.4	5.8
8H	4.1	4.4	4.5	4.8	5.2	4.6	4.9	5.1	5.3	5.7
12H	4.0	4.3	4.5	4.7	5.2	4.5	4.8	5.0	5.2	5.7
12H 4H	4.2	4.5	4.6	4.9	5.3	4.7	5.1	5.1	5.4	5.8
6H	4.1	4.4	4.5	4.8	5.2	4.6	4.9	5.1	5.3	5.7
8H	4.0	4.3	4.5	4.7	5.2	4.5	4.8	5.0	5.2	5.7
Variations with the observer position at spacings:										
S = 1.0H	+ 4.2 / -10.7					+ 4.3 / -11.5				
1.5H	+ 6.9 / -10.3					+ 7.1 / -11.2				
2.0H	+ 0.9 / - 0.5					+ 1.4 / - 0.7				

CIE Pub.117, 982.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.1)

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.2DEG  
 Operators:Cao Chengpei  
 Test Date:2016-06-23

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:52%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.0V I:0.0676A P:13.45W PF:0.9049 Freq:50.00Hz Lamp Flux:982.3x1 lm		
NAME: FA5-11W-840-24D Black	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L153mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

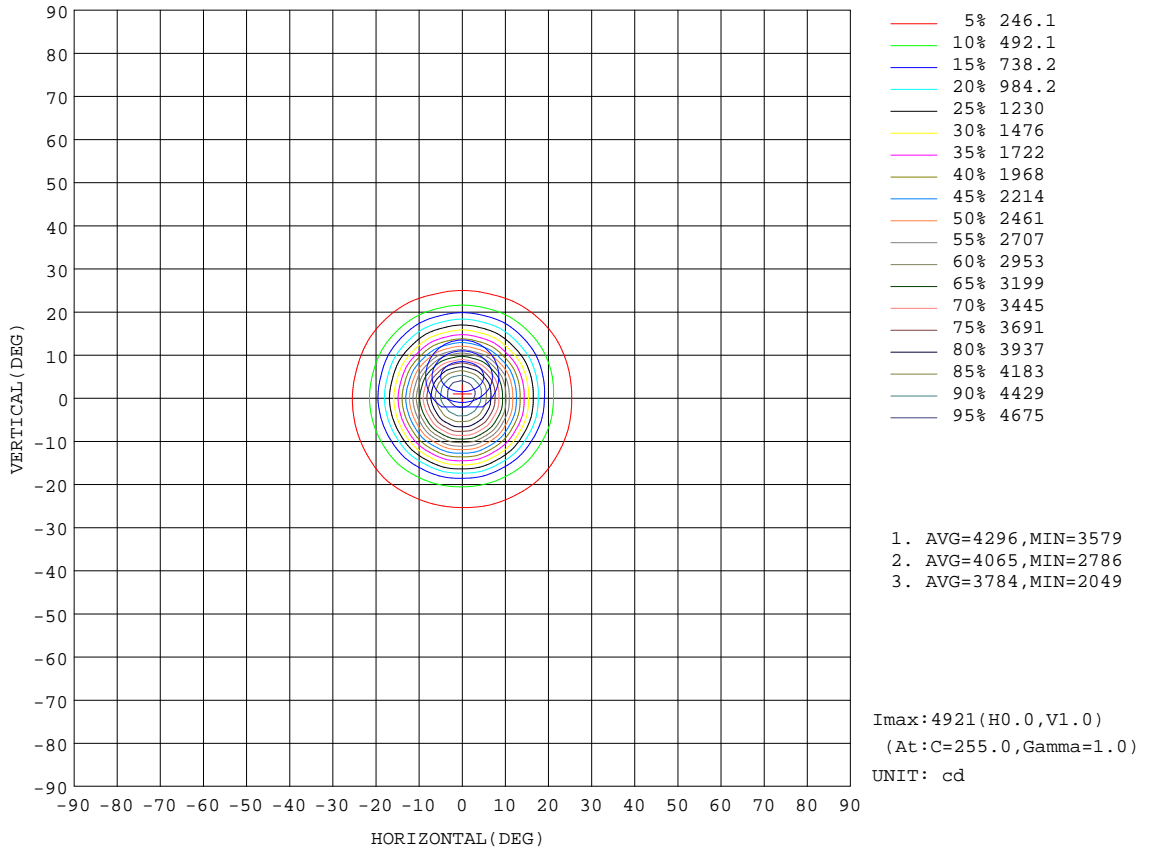
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	92	86	83	91	86	82	90	85	82	79
0.80	98	93	90	98	93	90	97	92	90	86
1.00	102	97	94	101	97	94	100	96	93	90
1.25	106	101	98	105	100	98	103	99	97	93
1.50	108	104	101	107	103	100	105	102	99	95
2.00	110	106	103	109	105	103	106	103	101	96
2.50	111	108	105	110	107	105	107	104	103	97
3.00	113	110	107	111	108	106	108	106	104	98
4.00	115	112	110	113	111	109	109	107	106	99
5.00	116	114	112	114	112	111	110	109	108	100
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:25.2DEG  
 Operators:Cao Chengpei  
 Test Date:2016-06-23

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:52%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:220.0V I:0.0676A P:13.45W PF:0.9049 Freq:50.00Hz Lamp Flux:982.3x1 lm		
NAME: FA5-11W-840-24D Black	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L153mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.2DEG  
 Operators: Cao Chengpei  
 Test Date: 2016-06-23

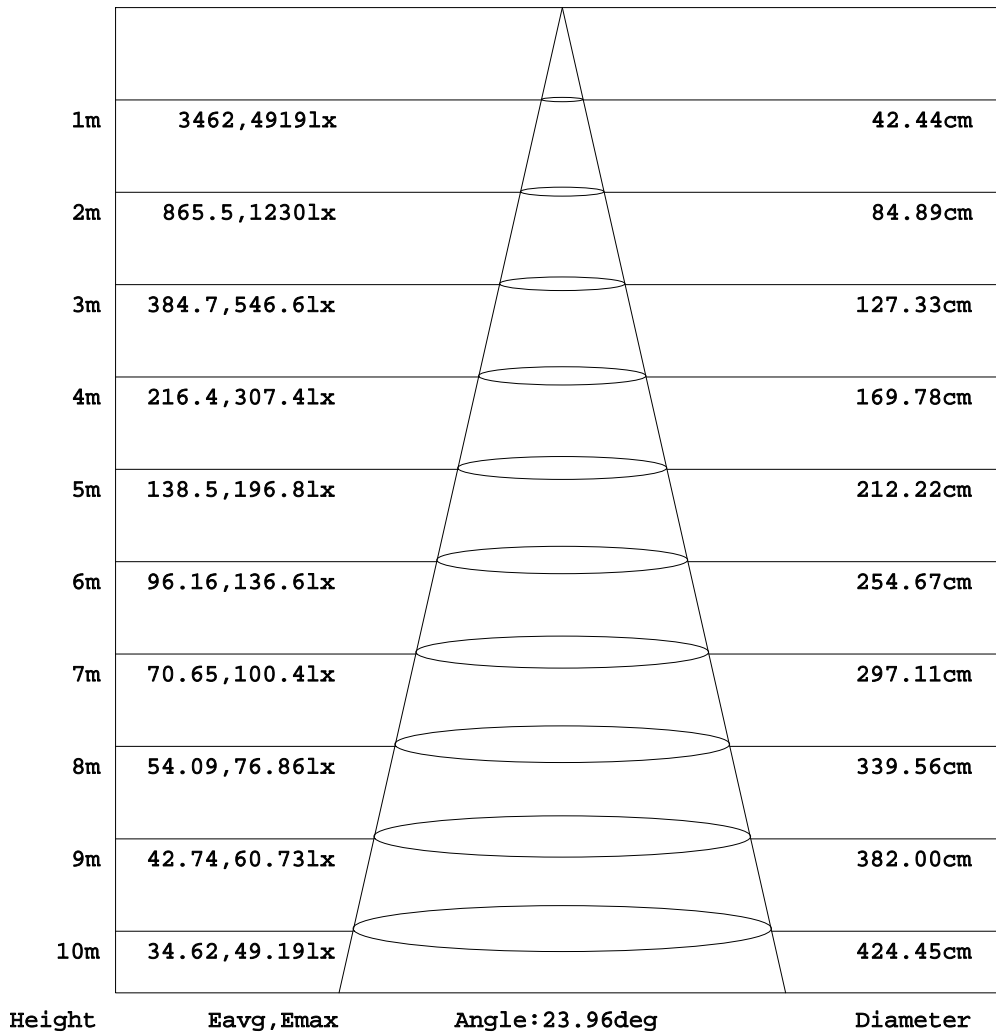
γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity: 52%  
 Test Distance: 5.850m [K=1.0000]  
 Remarks:



**AAI Figure**

Test:U:220.0V I:0.0676A P:13.45W PF:0.9049 Freq:50.00Hz Lamp Flux:982.3x1 lm		
NAME: FA5-11W-840-24D Black	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L153mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

Flux out:491.4 lm



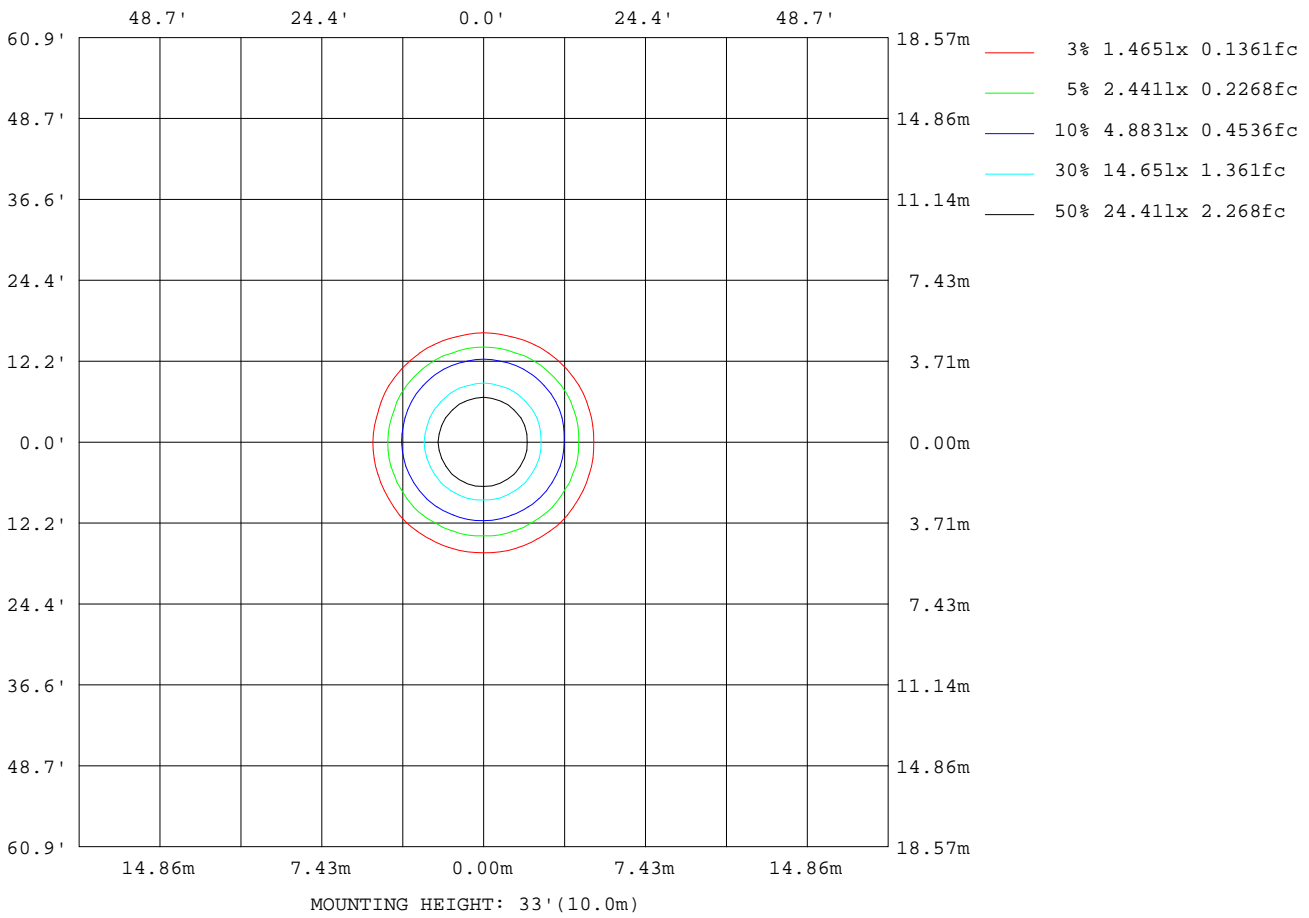
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.2DEG  
Operators:Cao Chengpei  
Test Date:2016-06-23

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:

**ISOLUX DIAGRAM**

Test:U:220.0V I:0.0676A P:13.45W PF:0.9049 Freq:50.00Hz Lamp Flux:982.3x1 lm		
NAME: FA5-11W-840-24D Black	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L153mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.2DEG  
 Operators:Cao Chengpei  
 Test Date:2016-06-23

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:52%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

LED Avg.L Report

Test:U:220.0V I:0.0676A P:13.45W PF:0.9049 Freq:50.00Hz Lamp Flux:982.3x1 lm		
NAME: FA5-11W-840-24D Black	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L153mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

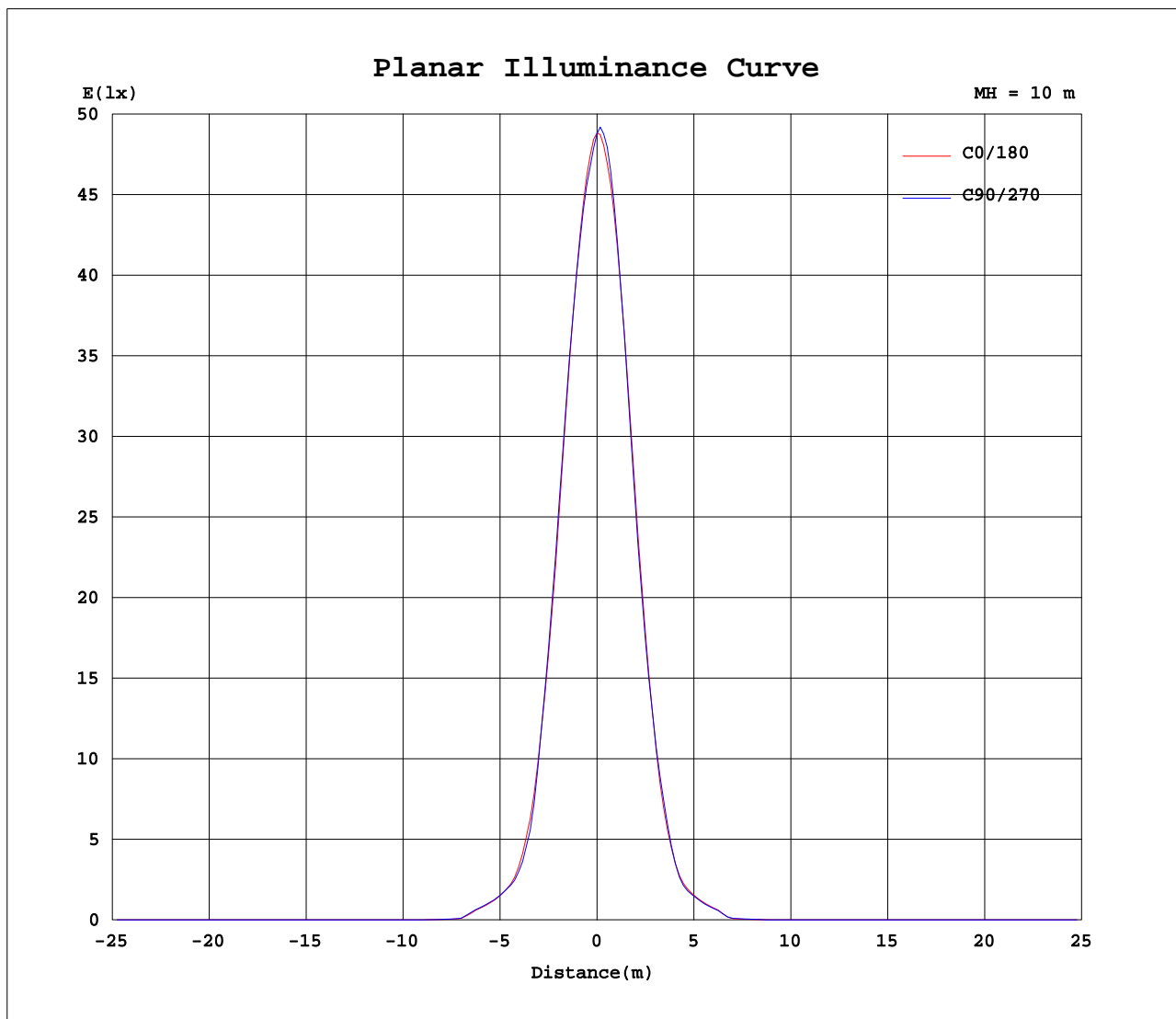
AvgL	cd/m2
L_0~180(65)av	29
L_0~180(75)av	32
L_0~180(85)av	78
L_90~270(65)av	30
L_90~270(75)av	30
L_90~270(85)av	66
L_45(65)av	28
L_45(75)av	30
L_45(85)av	65

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.2DEG  
Operators:Cao Chengpei  
Test Date:2016-06-23

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.2DEG  
 Operators: Cao Chengpei  
 Test Date: 2016-06-23

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity: 52%  
 Test Distance: 5.850m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.0676A P:13.45W PF:0.9049 Freq:50.00Hz Lamp Flux:982.3x1 lm		
NAME: FA5-11W-840-24D Black	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L153mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

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	4883	4883	4879	4884	4878	4886	4879	4889	4882	4891	4887	4892	4883	4883	4879	4884	4878	4886	4879
5	4298	4294	4263	4278	4256	4280	4259	4299	4291	4329	4324	4381	4441	4447	4499	4510	4531	4498	4502
10	2994	3034	3009	3046	3022	3070	3038	3086	3067	3109	3078	3113	3165	3117	3158	3107	3142	3082	3109
15	1562	1593	1565	1602	1575	1614	1593	1636	1623	1663	1638	1665	1693	1649	1677	1644	1678	1637	1661
20	624	610	593	579	563	544	551	558	590	619	625	646	672	669	706	708	732	701	714
25	257	261	261	265	261	260	256	256	258	267	262	262	260	256	259	256	254	242	245
30	136	140	140	146	144	144	143	144	144	146	141	140	139	136	138	138	137	131	132
35	17.7	20.1	20.4	23.5	22.6	23.7	21.3	22.5	20.7	20.1	16.6	15.6	16.0	15.8	16.7	19.0	20.6	20.0	19.9
40	5.69	5.31	5.51	5.81	5.86	5.92	5.73	5.52	5.41	5.72	4.91	4.61	5.30	5.76	6.13	6.92	8.59	7.39	7.97
45	0.35	0.38	0.41	0.44	0.45	0.44	0.42	0.42	0.40	0.37	0.34	0.31	0.31	0.31	0.29	0.30	0.28	0.29	0.27
50	0.22	0.20	0.24	0.23	0.25	0.23	0.24	0.22	0.24	0.21	0.21	0.19	0.19	0.20	0.17	0.19	0.17	0.19	0.16
55	0.16	0.14	0.17	0.16	0.18	0.16	0.17	0.15	0.17	0.14	0.15	0.14	0.13	0.14	0.13	0.14	0.12	0.14	0.11
60	0.12	0.11	0.13	0.11	0.13	0.11	0.13	0.11	0.13	0.10	0.12	0.10	0.10	0.11	0.09	0.11	0.09	0.10	0.08
65	0.10	0.08	0.10	0.09	0.11	0.09	0.10	0.08	0.10	0.07	0.10	0.07	0.07	0.09	0.07	0.08	0.07	0.08	0.07
70	0.08	0.07	0.09	0.07	0.09	0.07	0.09	0.06	0.09	0.06	0.08	0.06	0.07	0.07	0.06	0.07	0.06	0.07	0.06
75	0.07	0.06	0.07	0.06	0.07	0.06	0.07	0.05	0.07	0.05	0.06	0.04	0.05	0.06	0.04	0.06	0.04	0.05	0.04
80	0.06	0.04	0.06	0.04	0.06	0.04	0.06	0.04	0.06	0.04	0.05	0.04	0.04	0.05	0.03	0.05	0.03	0.05	0.03
85	0.05	0.04	0.05	0.04	0.05	0.04	0.05	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.03	0.04	0.03	0.04	0.03
90	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03

C Range: 0 - 360DEG	γ Range: 0 - 90DEG
C Interval: 15.0DEG	γ Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Temperature:25.2DEG	Humidity:52%
Operators:Cao Chengpei	Test Distance:5.850m [K=1.0000]
Test Date:2016-06-23	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.0676A P:13.45W PF:0.9049 Freq:50.00Hz Lamp Flux:982.3x1 lm		
NAME: FA5-11W-840-24D Black	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L153mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

Table--2

UNIT: cd

C( DEG) γ (DEG)	285	300	315	330	345															
0	4889	4882	4891	4887	4892															
5	4466	4471	4431	4421	4361															
10	3058	3104	3056	3088	3036															
15	1628	1661	1623	1641	1599															
20	702	728	705	700	655															
25	242	253	258	264	261															
30	132	139	140	140	138															
35	20.0	20.3	19.2	19.2	19.0															
40	7.32	8.24	6.34	6.84	5.68															
45	0.30	0.30	0.32	0.33	0.34															
50	0.19	0.18	0.20	0.18	0.20															
55	0.13	0.13	0.14	0.13	0.14															
60	0.10	0.09	0.11	0.10	0.11															
65	0.08	0.07	0.09	0.07	0.09															
70	0.07	0.06	0.07	0.06	0.07															
75	0.06	0.04	0.06	0.04	0.06															
80	0.05	0.03	0.05	0.03	0.05															
85	0.04	0.03	0.04	0.03	0.04															
90	0.03	0.03	0.03	0.03	0.03															

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.2DEG  
 Operators:Cao Chengpei  
 Test Date:2016-06-23

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:52%  
 Test Distance:5.850m [K=1.0000]  
 Remarks: