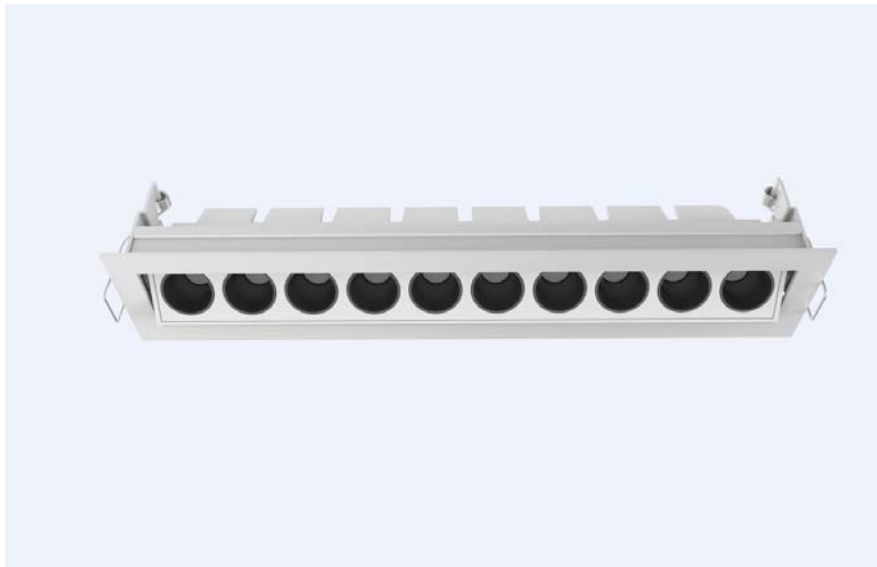


LED Downlight FUSION Series FA10-22W-930-40D



Light Output Ratio:	100.0%	
Luminaire Power:	25.31 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.60	fine grid method.

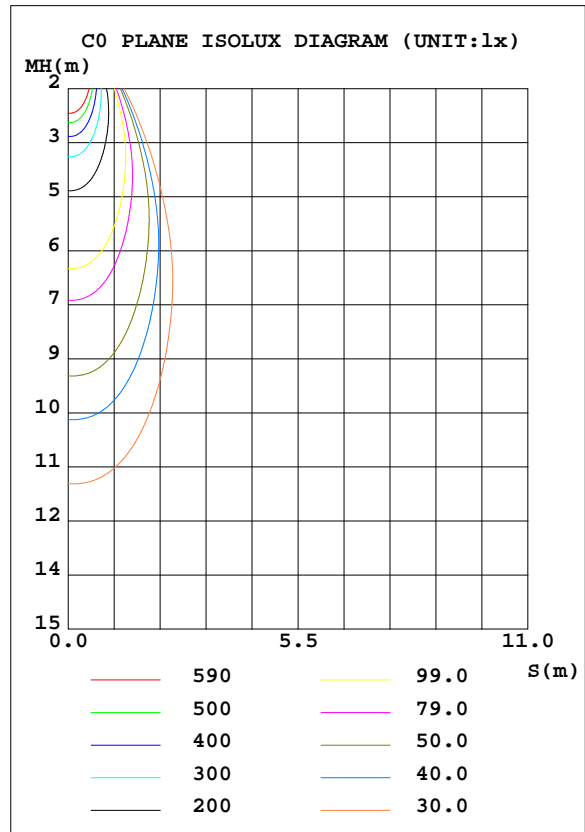
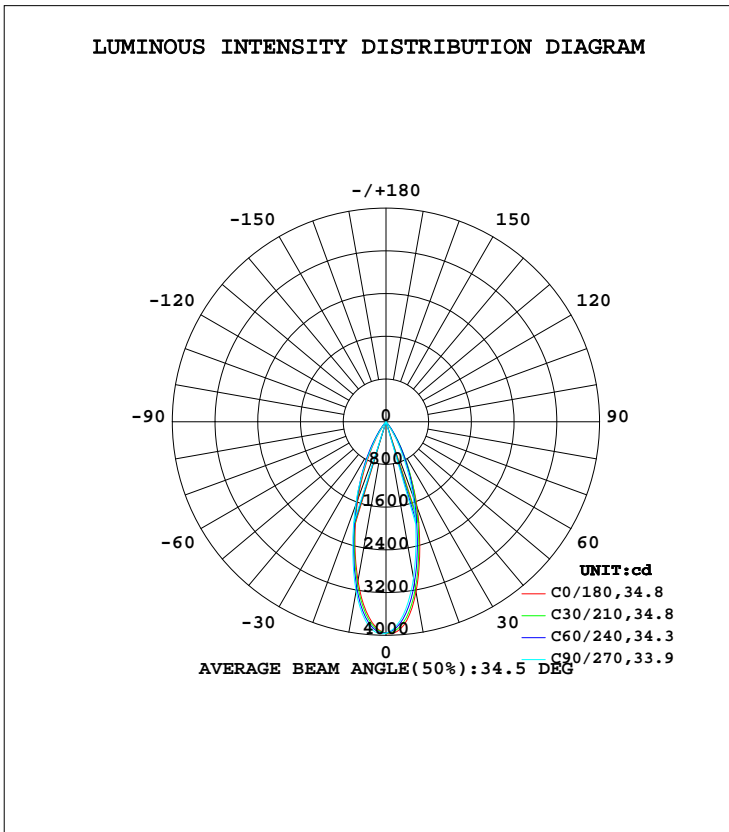
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng yongjian  
Test Date: 2018-06-08

$\gamma$  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:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.4V I:0.1180A P:25.31W PF:0.9657 Freq:49.90Hz Lamp Flux:1582.35x1 lm		
NAME: FA10-22W-930-40D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L290mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 62.53 lm/W			
MODEL	OSRAM-3000K	I <sub>max</sub> (cd)	3978	S/MH(C0/180)	0.55
NOMINAL POWER(W)	24	LOR(%)	100.0	S/MH(C90/270)	0.58
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	1582.3	η UP, DN(C0-180)	0.0,48.5
NOMINAL FLUX(lm)	1582.35	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,51.5
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	220	η down(%)	100.0	CIBSE SHR MAX	0.60



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng yongjian  
 Test Date:2018-06-08

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:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3241	3139	2971	2874	3029	3103	3224	3192	0- 10	332.9	332.9	21,21
20	1703	1619	1482	1491	1539	1598	1664	1742	10- 20	636.6	969.4	61.3,61.3
30	478.1	635.6	419.5	567.0	436.2	621.2	481.5	685.1	20- 30	458.8	1428	90.3,90.3
40	19.15	109.9	17.12	100.2	17.19	107.2	22.91	125.3	30- 40	142.5	1571	99.3,99.3
50	1.204	2.700	1.116	2.051	1.166	2.586	1.365	3.780	40- 50	10.50	1581	99.9,99.9
60	0.4574	0.3102	0.4355	0.2797	0.4193	0.3873	0.5592	0.3916	50- 60	0.6595	1582	100,100
70	0.1948	0.1377	0.2101	0.1311	0.1726	0.1859	0.2447	0.1838	60- 70	0.2766	1582	100,100
80	0.1006	0.0721	0.1138	0.0721	0.0743	0.0985	0.1092	0.0985	70- 80	0.1399	1582	100,100
90	0.0656	0.0678	0.0743	0.0700	0.0415	0.0437	0.0459	0.0459	80- 90	0.0781	1582	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): 1579.6 lm

%lum = 99.8%  
%lamp = 99.8%

Conical surface Flux(120deg): 1581.9 lm

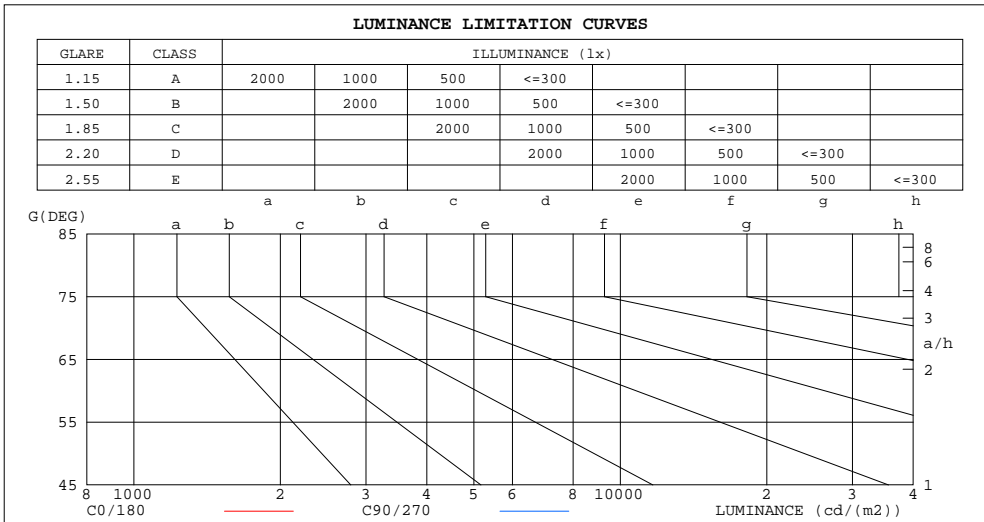
%lum = 100.0%  
%lamp = 100.0%

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng yongjian  
Test Date:2018-06-08

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:

**LUMINANCE LIMITATION CURVES**

Test:U:220.4V I:0.1180A P:25.31W PF:0.9657 Freq:49.90Hz Lamp Flux:1582.35x1 lm		
NAME: FA10-22W-930-40D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L290mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	67	79
80	44	50
75	40	45
70	44	47
65	54	53
60	70	67
55	97	93
50	144	133
45	287	218

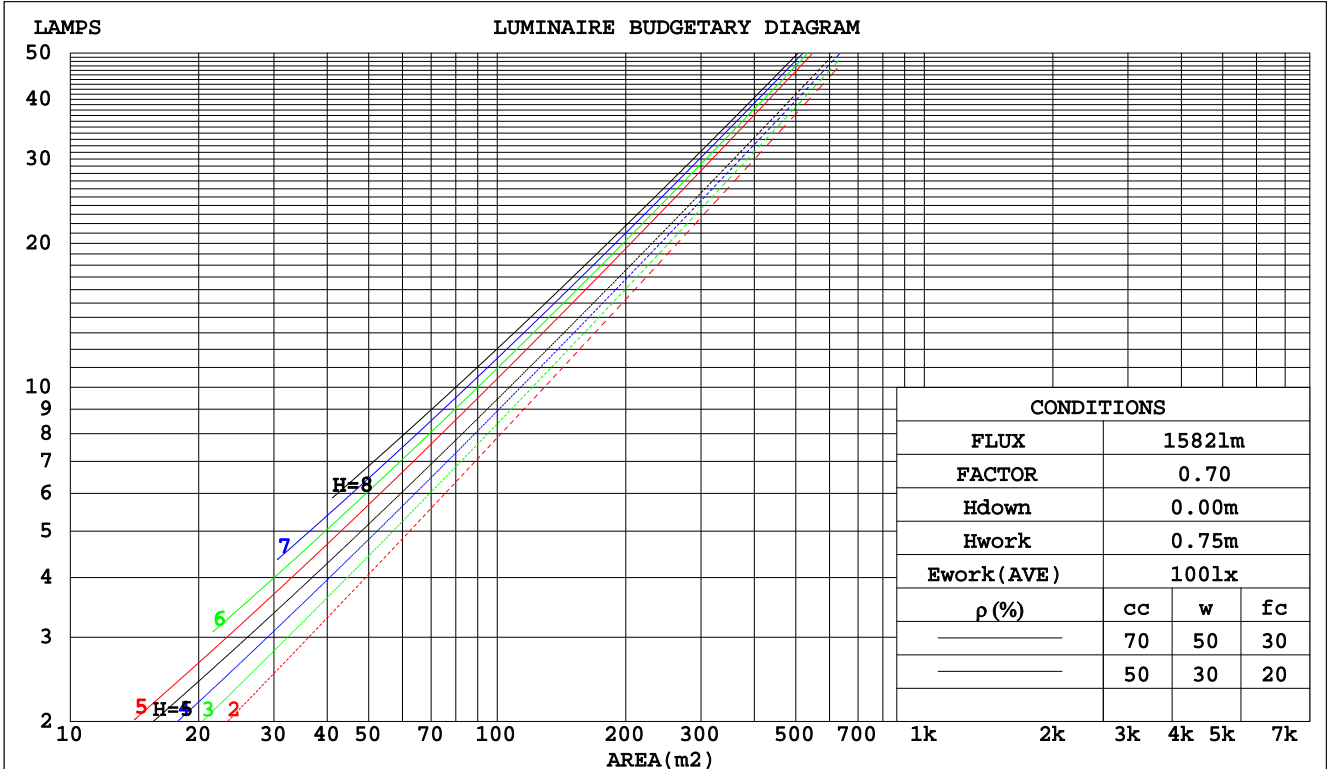
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng yongjian  
 Test Date:2018-06-08

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:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:220.4V I:0.1180A P:25.31W PF:0.9657 Freq:49.90Hz Lamp Flux:1582.35x1 lm		
NAME: FA10-22W-930-40D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L290mm*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																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	1.00
1.0	1.12	1.10	1.08	1.10	1.08	1.06	1.06	1.04	1.03	1.02	1.01	1.00	.99	.98	.97	.95
2.0	1.06	1.03	.90	1.04	1.01	.99	1.01	.99	.96	.98	.96	.94	.96	.94	.93	.91
3.0	1.00	.96	.93	.99	.95	.92	.97	.93	.91	.94	.92	.89	.92	.90	.88	.87
4.0	.96	.91	.88	.94	.90	.87	.92	.89	.86	.90	.87	.85	.89	.86	.84	.83
5.0	.91	.86	.83	.90	.86	.82	.88	.85	.82	.87	.84	.81	.85	.83	.80	.79
6.0	.87	.82	.79	.86	.82	.78	.85	.81	.78	.83	.80	.77	.82	.79	.77	.76
7.0	.83	.78	.75	.83	.78	.75	.81	.77	.74	.80	.77	.74	.79	.76	.74	.72
8.0	.80	.75	.71	.79	.75	.71	.78	.74	.71	.77	.73	.71	.76	.73	.70	.69
9.0	.76	.72	.68	.76	.71	.68	.75	.71	.68	.74	.71	.68	.74	.70	.68	.67
10.0	.73	.69	.66	.73	.69	.66	.72	.68	.65	.72	.68	.65	.71	.68	.65	.64



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng yongjian  
 Test Date:2018-06-08

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:220.4V I:0.1180A P:25.31W PF:0.9657 Freq:49.90Hz Lamp Flux:1582.35x1 lm		
NAME: FA10-22W-930-40D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L290mm*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	.152	.086	.027	.145	.083	.026	.133	.076	.024	.121	.070	.022	.111	.064	.021	
2.0	.143	.078	.024	.137	.076	.023	.127	.071	.022	.118	.066	.021	.109	.062	.019	
3.0	.135	.072	.021	.130	.070	.021	.121	.066	.020	.113	.062	.019	.106	.059	.018	
4.0	.128	.066	.020	.124	.065	.019	.116	.062	.018	.109	.059	.018	.103	.056	.017	
5.0	.121	.062	.018	.118	.061	.018	.111	.058	.017	.106	.056	.017	.100	.053	.016	
6.0	.116	.058	.017	.113	.057	.016	.107	.055	.016	.102	.053	.016	.097	.051	.015	
7.0	.110	.055	.015	.108	.054	.015	.103	.052	.015	.098	.050	.015	.094	.049	.014	
8.0	.106	.052	.015	.104	.051	.014	.099	.050	.014	.095	.048	.014	.091	.047	.014	
9.0	.102	.049	.014	.100	.049	.014	.096	.047	.013	.092	.046	.013	.089	.045	.013	
10.0	.098	.047	.013	.096	.046	.013	.092	.045	.013	.089	.044	.013	.086	.043	.012	

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	.169	.158	.147	.145	.135	.126	.099	.093	.087	.057	.054	.051	.018	.017	.016	
2.0	.152	.133	.116	.131	.114	.100	.089	.079	.070	.052	.046	.041	.017	.015	.013	
3.0	.138	.113	.093	.119	.098	.081	.081	.068	.057	.047	.040	.033	.015	.013	.011	
4.0	.127	.098	.076	.109	.085	.066	.075	.059	.047	.043	.035	.028	.014	.011	.009	
5.0	.117	.086	.063	.101	.075	.055	.069	.052	.039	.040	.031	.023	.013	.010	.008	
6.0	.109	.077	.053	.094	.066	.046	.065	.046	.033	.038	.027	.020	.012	.009	.006	
7.0	.102	.069	.045	.088	.060	.039	.061	.042	.028	.035	.025	.017	.011	.008	.006	
8.0	.096	.062	.039	.083	.054	.034	.057	.038	.024	.033	.022	.014	.011	.007	.005	
9.0	.091	.057	.034	.078	.049	.029	.054	.035	.021	.032	.020	.012	.010	.007	.004	
10.0	.086	.052	.030	.074	.045	.026	.052	.032	.018	.030	.019	.011	.010	.006	.004	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng yongjian  
 Test Date:2018-06-08

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:220.4V I:0.1180A P:25.31W PF:0.9657 Freq:49.90Hz Lamp Flux:1582.35x1 lm		
NAME: FA10-22W-930-40D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L290mm*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	8.9	9.6	9.1	9.8	10.0	8.7	9.5	8.9	9.6	9.8
3H	8.7	9.4	9.0	9.6	9.8	8.5	9.3	8.8	9.4	9.6
4H	8.6	9.3	8.9	9.5	9.7	8.5	9.1	8.7	9.3	9.6
6H	8.6	9.2	8.8	9.4	9.7	8.4	9.0	8.7	9.2	9.5
8H	8.5	9.1	8.8	9.4	9.6	8.3	8.9	8.6	9.2	9.4
12H	8.5	9.1	8.8	9.3	9.6	8.3	8.9	8.6	9.1	9.4
4H 2H	8.6	9.3	8.9	9.5	9.7	8.5	9.1	8.7	9.3	9.6
3H	8.5	9.1	8.8	9.3	9.6	8.3	8.9	8.6	9.1	9.4
4H	8.4	8.9	8.7	9.2	9.5	8.2	8.7	8.5	9.0	9.3
6H	8.3	8.7	8.6	9.1	9.4	8.1	8.6	8.5	8.9	9.2
8H	8.2	8.7	8.6	9.0	9.4	8.0	8.5	8.4	8.8	9.2
12H	8.2	8.6	8.6	8.9	9.3	8.0	8.4	8.4	8.8	9.1
8H 4H	8.2	8.7	8.6	9.0	9.4	8.0	8.5	8.4	8.8	9.2
6H	8.1	8.5	8.5	8.9	9.3	7.9	8.3	8.4	8.7	9.1
8H	8.1	8.4	8.5	8.8	9.2	7.9	8.2	8.3	8.6	9.0
12H	8.0	8.3	8.5	8.7	9.2	7.8	8.1	8.3	8.5	9.0
12H 4H	8.2	8.6	8.6	8.9	9.3	8.0	8.4	8.4	8.8	9.1
6H	8.1	8.4	8.5	8.8	9.2	7.9	8.2	8.3	8.6	9.0
8H	8.0	8.3	8.5	8.7	9.2	7.8	8.1	8.3	8.5	9.0
Variations with the observer position at spacings:										
S = 1.0H	+ 3.3 / -19.4					+ 3.1 / -18.8				
1.5H	+ 6.1 / -18.5					+ 5.9 / -17.8				
2.0H	+ 4.5 / - 3.2					+ 3.4 / - 2.2				

CIE Pub.117, 1582 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.6)

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng yongjian  
 Test Date:2018-06-08

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:220.4V I:0.1180A P:25.31W PF:0.9657 Freq:49.90Hz Lamp Flux:1582.35x1 lm		
NAME: FA10-22W-930-40D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L290mm*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	91	85	82	91	85	82	90	85	82	79
0.80	98	93	90	97	93	89	96	92	89	86
1.00	102	97	94	101	96	93	99	96	93	89
1.25	105	101	98	104	100	97	102	99	96	93
1.50	108	104	101	107	103	100	104	101	99	95
2.00	110	106	103	108	105	102	106	103	101	96
2.50	111	108	105	110	107	104	107	104	102	97
3.00	113	110	107	111	108	106	108	106	104	98
4.00	115	112	110	113	110	109	109	107	106	99
5.00	116	114	112	114	112	111	110	109	107	100
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

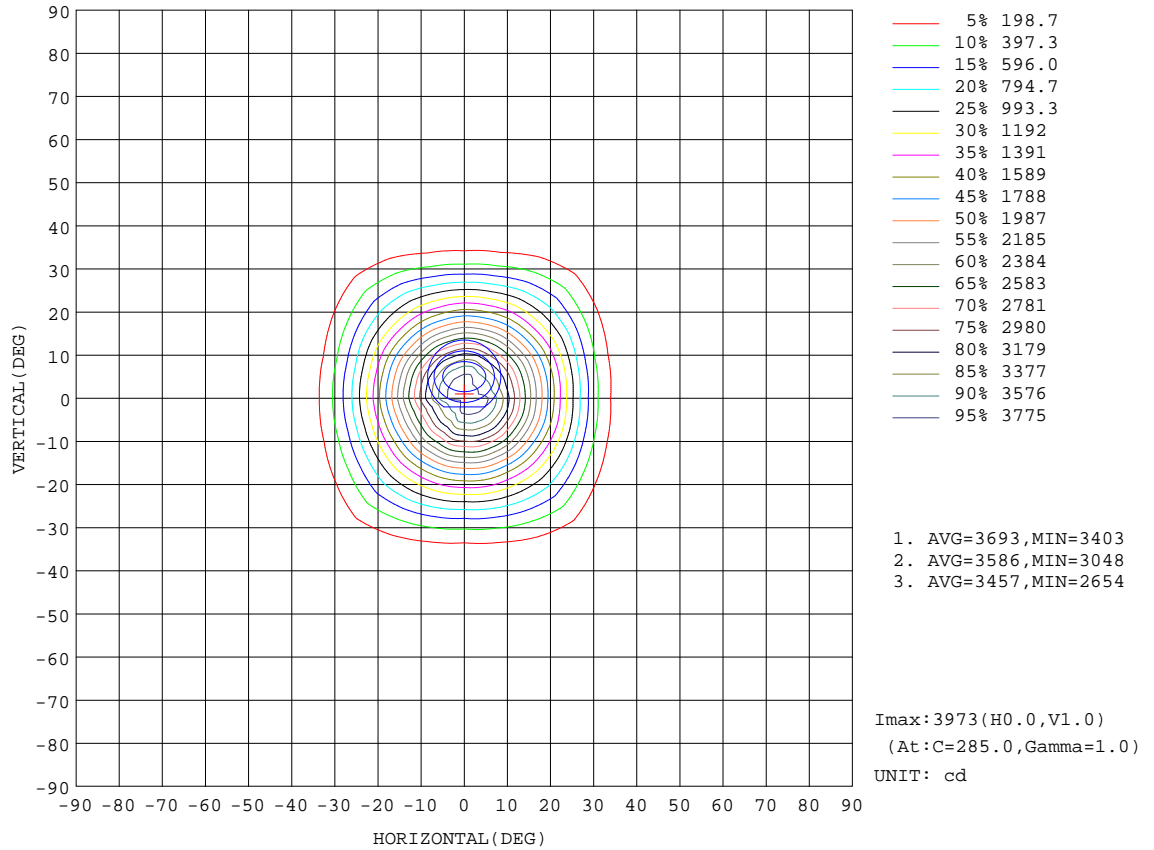
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng yongjian  
 Test Date:2018-06-08

$\gamma$  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:220.4V I:0.1180A P:25.31W PF:0.9657 Freq:49.90Hz Lamp Flux:1582.35x1 lm		
NAME: FA10-22W-930-40D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L290mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		



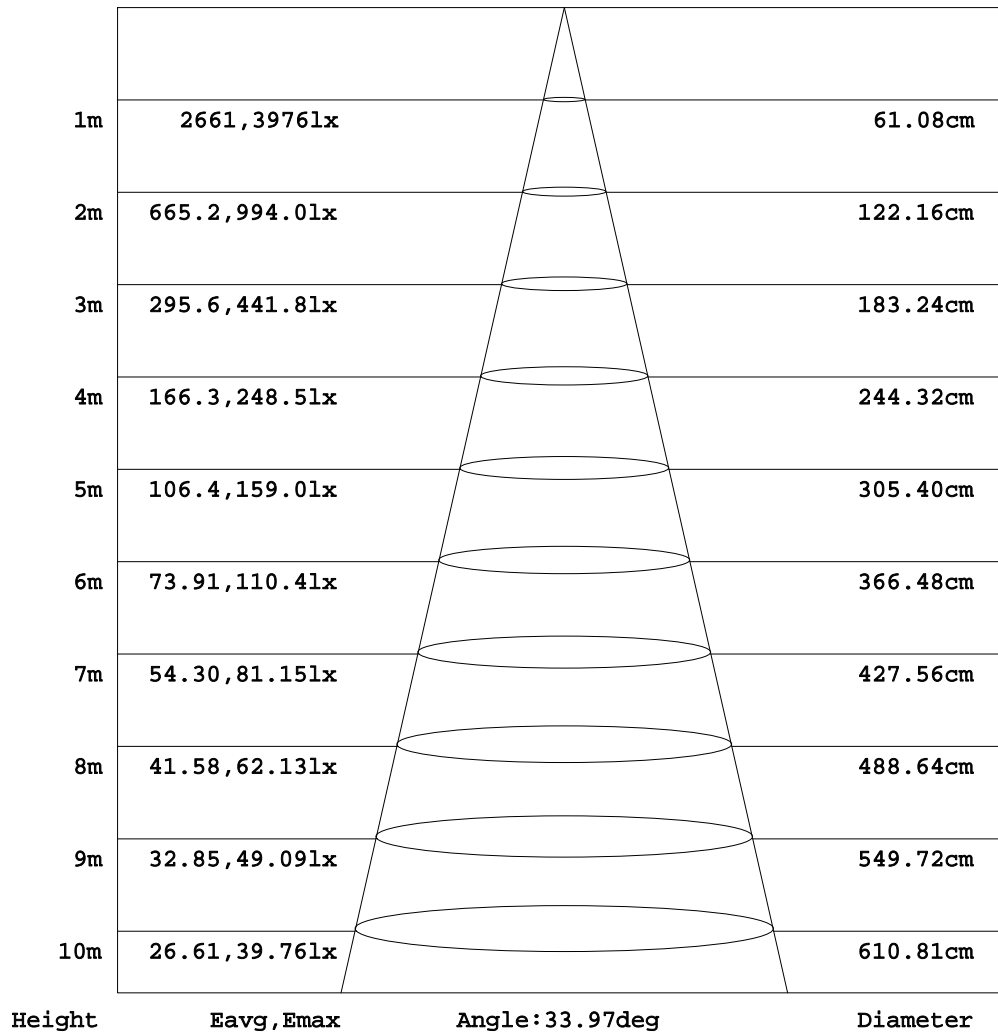
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng yongjian  
Test Date: 2018-06-08

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:220.4V I:0.1180A P:25.31W PF:0.9657 Freq:49.90Hz Lamp Flux:1582.35x1 lm		
NAME: FA10-22W-930-40D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L290mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

Flux out:781.3 lm



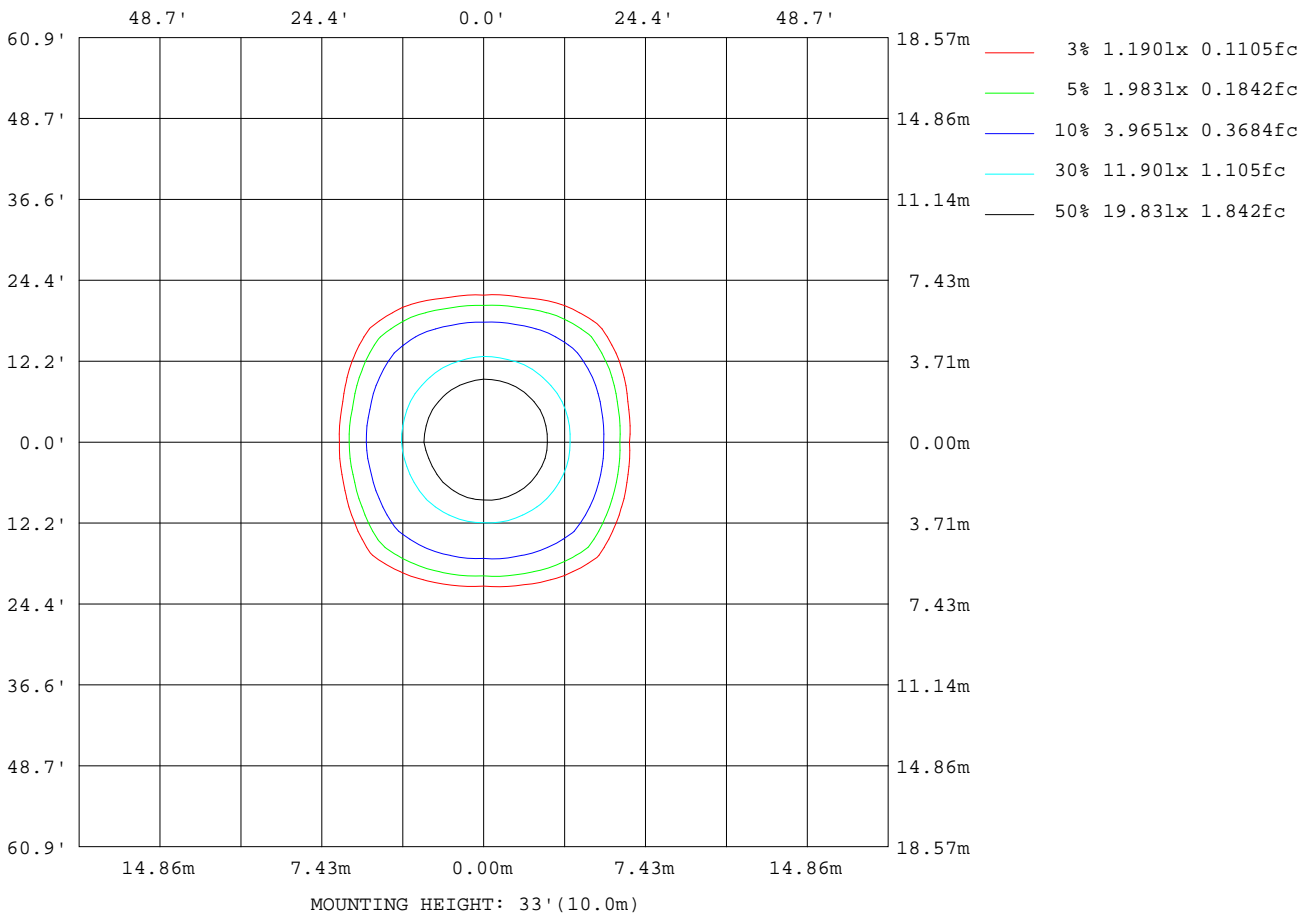
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng yongjian  
Test Date:2018-06-08

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:220.4V I:0.1180A P:25.31W PF:0.9657 Freq:49.90Hz Lamp Flux:1582.35x1 lm		
NAME: FA10-22W-930-40D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L290mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng yongjian  
 Test Date:2018-06-08

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:220.4V I:0.1180A P:25.31W PF:0.9657 Freq:49.90Hz Lamp Flux:1582.35x1 lm		
NAME: FA10-22W-930-40D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L290mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

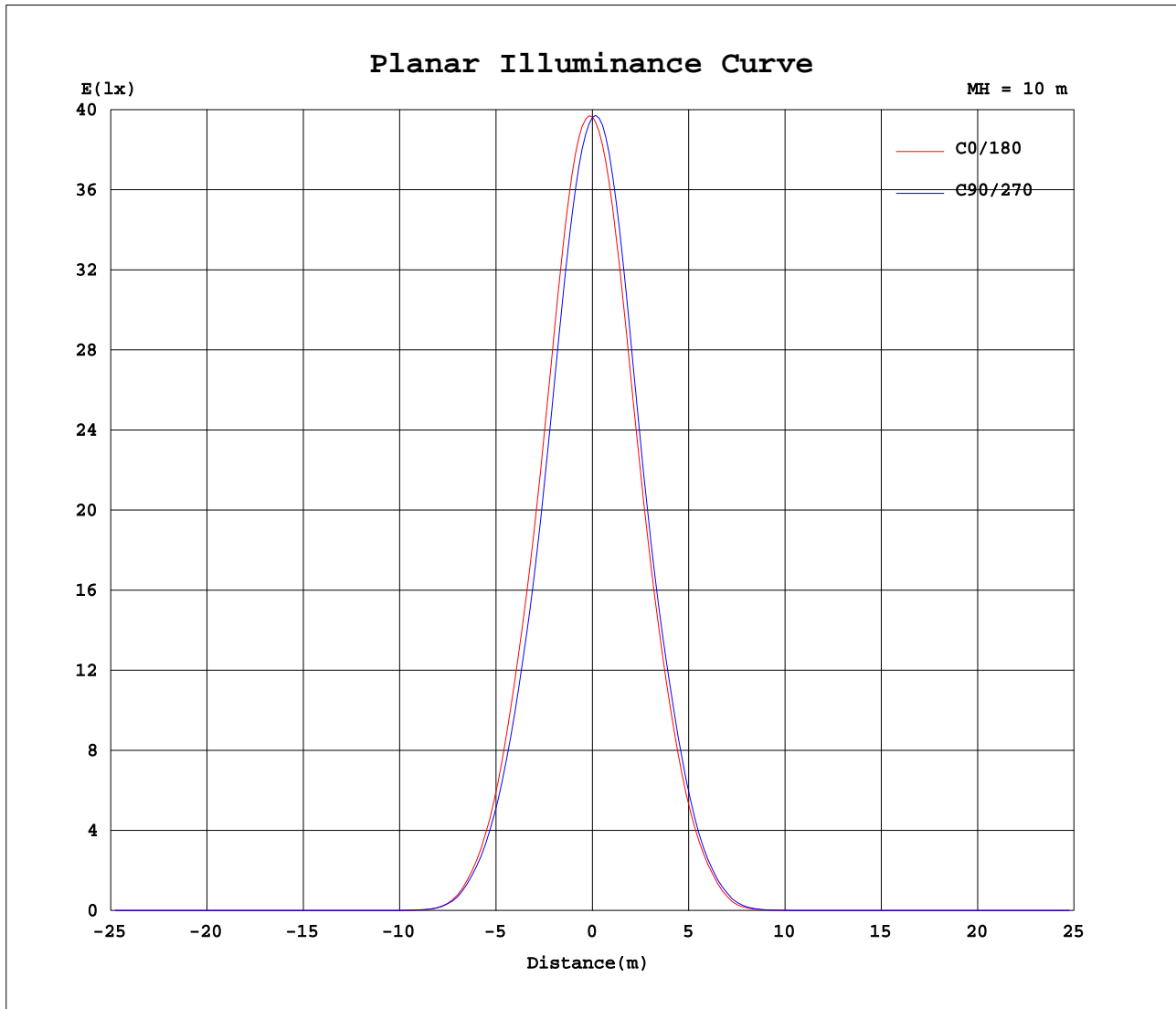
AvgL	cd/m2
L_0~180(65)av	52
L_0~180(75)av	37
L_0~180(85)av	54
L_90~270(65)av	59
L_90~270(75)av	48
L_90~270(85)av	69
L_45(65)av	41
L_45(75)av	35
L_45(85)av	62

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng yongjian  
Test Date:2018-06-08

$\gamma$  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: 25.3DEG  
 Operators: Meng yongjian  
 Test Date: 2018-06-08

$\gamma$  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:220.4V I:0.1180A P:25.31W PF:0.9657 Freq:49.90Hz Lamp Flux:1582.35x1 lm		
NAME: FA10-22W-930-40D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L290mm*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	3965	3961	3960	3958	3957	3957	3962	3963	3811	3812	3807	3808	3965	3961	3960	3958	3957	3957	3962
5	3823	3806	3770	3747	3703	3681	3644	3640	3488	3496	3479	3497	3675	3685	3719	3735	3772	3785	3824
10	3241	3226	3170	3139	3069	3033	2971	2969	2867	2874	2842	2869	3029	3033	3088	3103	3159	3168	3224
15	2447	2436	2377	2347	2269	2234	2172	2172	2140	2149	2120	2154	2251	2256	2297	2303	2345	2354	2407
20	1703	1700	1654	1619	1556	1525	1482	1483	1477	1491	1465	1482	1539	1550	1595	1598	1623	1624	1664
25	1021	1047	1061	1051	997	931	878	906	946	957	911	880	908	929	1007	1034	1054	1017	1017
30	478	507	574	636	552	467	420	454	514	567	483	433	436	451	536	621	596	504	482
35	141	170	234	308	242	164	124	159	220	273	202	145	129	144	225	300	260	177	158
40	19.2	26.9	59.7	110	60.1	25.1	17.1	23.5	53.1	100	46.9	23.4	17.2	22.9	51.2	107	64.5	28.7	22.9
45	2.65	4.26	9.10	20.5	8.65	3.29	2.01	2.92	8.09	18.5	8.69	3.10	2.28	3.29	9.00	18.7	10.1	4.46	3.00
50	1.20	1.15	1.18	2.70	1.08	1.11	1.12	1.04	0.96	2.05	1.08	1.11	1.17	1.18	1.26	2.59	1.31	1.32	1.37
55	0.73	0.67	0.62	0.51	0.65	0.67	0.70	0.62	0.59	0.46	0.58	0.64	0.69	0.69	0.66	0.61	0.77	0.86	0.88
60	0.46	0.40	0.37	0.31	0.39	0.41	0.44	0.38	0.35	0.28	0.34	0.38	0.42	0.43	0.38	0.39	0.47	0.55	0.56
65	0.30	0.25	0.24	0.20	0.26	0.26	0.29	0.25	0.24	0.19	0.23	0.24	0.27	0.28	0.24	0.26	0.30	0.36	0.36
70	0.19	0.16	0.17	0.14	0.18	0.18	0.21	0.17	0.17	0.13	0.16	0.15	0.17	0.19	0.16	0.19	0.21	0.25	0.24
75	0.13	0.10	0.12	0.10	0.13	0.13	0.15	0.12	0.13	0.10	0.12	0.10	0.11	0.13	0.10	0.13	0.14	0.18	0.17
80	0.10	0.07	0.09	0.07	0.10	0.09	0.11	0.09	0.10	0.07	0.09	0.07	0.07	0.09	0.07	0.10	0.09	0.12	0.11
85	0.08	0.07	0.08	0.07	0.09	0.07	0.09	0.07	0.08	0.07	0.07	0.07	0.05	0.07	0.05	0.07	0.06	0.09	0.07
90	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.04	0.04	0.04	0.04	0.04	0.05	0.05

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:25.3DEG	Humidity:52%
Operators:Meng yongjian	Test Distance:5.850m [K=1.0000]
Test Date:2018-06-08	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.4V I:0.1180A P:25.31W PF:0.9657 Freq:49.90Hz Lamp Flux:1582.35x1 lm		
NAME: FA10-22W-930-40D	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: L290mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345												
0	3963	3811	3812	3807	3808												
5	3834	3707	3708	3710	3697												
10	3240	3186	3192	3214	3191												
15	2425	2457	2471	2492	2466												
20	1675	1727	1742	1770	1742												
25	1045	1123	1134	1145	1078												
30	518	628	685	624	521												
35	183	276	338	266	181												
40	29.5	73.4	125	73.1	31.4												
45	4.67	11.9	27.8	12.5	5.61												
50	1.31	1.37	3.78	1.54	1.27												
55	0.84	0.77	0.62	0.70	0.75												
60	0.54	0.47	0.39	0.40	0.47												
65	0.35	0.30	0.26	0.25	0.30												
70	0.25	0.20	0.18	0.17	0.20												
75	0.17	0.14	0.14	0.11	0.14												
80	0.12	0.09	0.10	0.07	0.10												
85	0.08	0.06	0.07	0.05	0.07												
90	0.05	0.05	0.05	0.04	0.05												

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng yongjian  
 Test Date:2018-06-08

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: