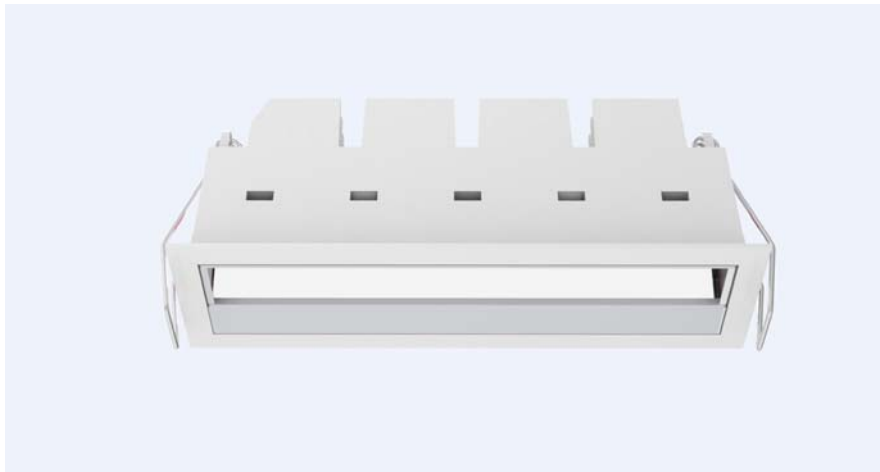


LED Downlight FUSION Series FW5-11W-940



Light Output Ratio:	100.0%	
Luminaire Power:	12.43 W	
SHR Nominal:	1.25	Calculated using the TM5
SHR Maximum:	1.30	fine grid method.

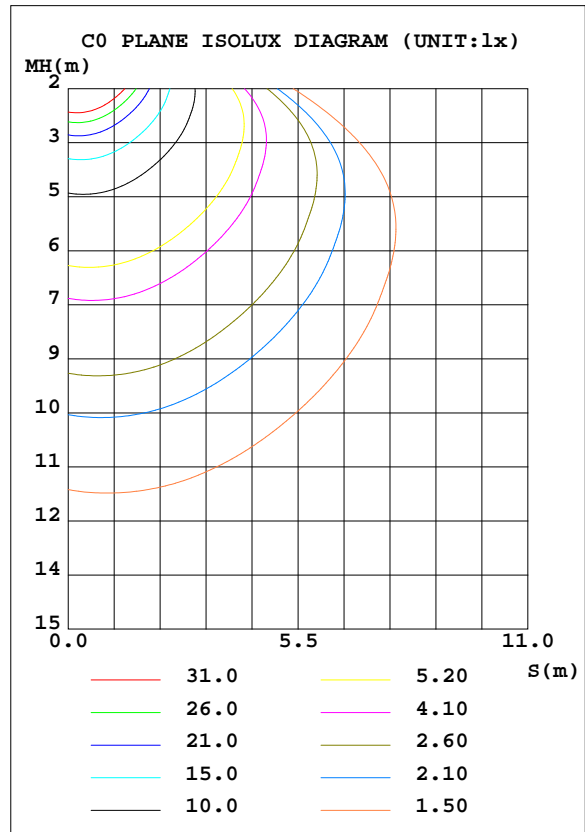
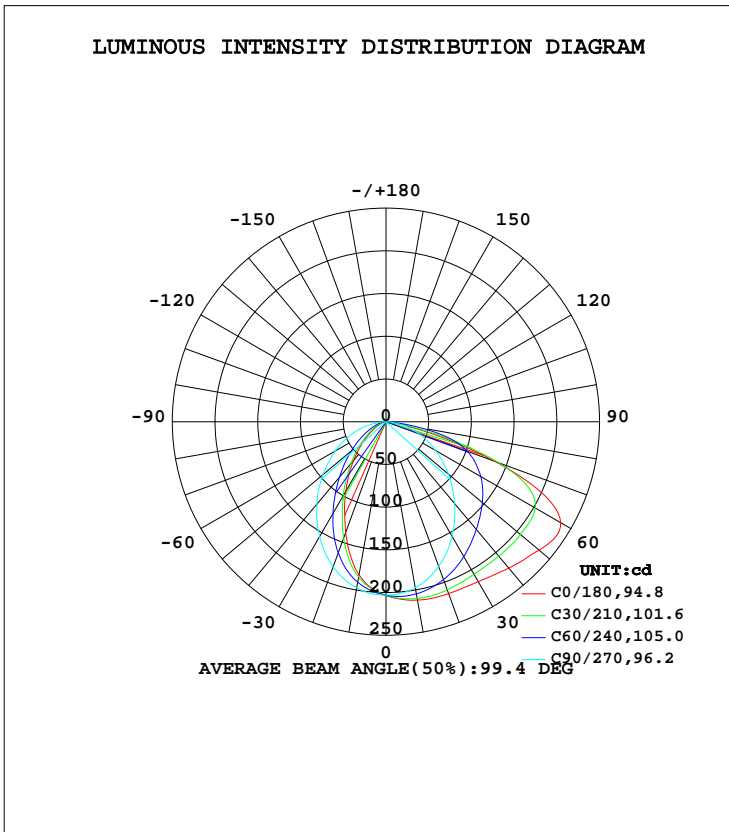
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Meng Yongjian
Test Date: 2017-05-16

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:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.8V I:0.0656A P:12.43W PF:0.9636 Freq:49.90Hz Lamp Flux:551.209x1 lm		
NAME: FW5-11W-940	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L153mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	OSRAM-4000K	Imax(cd)	240.0	S/MH(C0/180)	0.81
NOMINAL POWER(W)	13	LOR(%)	100.0	S/MH(C90/270)	1.15
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	551.21	η UP, DN(C0-180)	0.0,52.7
NOMINAL FLUX(lm)	551.209	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,47.3
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220	η down(%)	100.0	CIBSE SHR MAX	1.30



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Meng Yongjian
Test Date:2017-05-16

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	212.0	207.6	197.3	187.3	181.8	187.4	197.5	207.5	0- 10	19.11	19.11	3.47,3.47
20	214.1	204.0	180.4	152.9	138.1	152.7	180.7	204.0	10- 20	53.20	72.31	13.1,13.1
30	216.1	195.2	154.8	108.9	94.43	108.8	155.4	195.5	20- 30	76.58	148.9	27,27
40	223.6	185.9	125.1	71.21	59.22	71.05	125.8	186.6	30- 40	89.04	237.9	43.2,43.2
50	233.8	177.4	95.28	42.61	32.38	42.39	96.38	178.5	40- 50	93.70	331.6	60.2,60.2
60	236.0	164.9	66.81	23.14	15.29	23.02	68.53	165.9	50- 60	92.88	424.5	77,77
70	135.9	128.3	41.22	11.47	6.905	11.47	42.94	127.8	60- 70	80.73	505.2	91.7,91.7
80	12.70	30.56	16.08	4.668	2.894	4.646	17.40	28.57	70- 80	40.56	545.8	99,99
90	0.0700	0.1028	0.4242	0.5182	0.4854	0.4657	0.1246	0.0678	80- 90	5.406	551.2	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): 284.58 lm

%lum = 51.6%

%lamp = 51.6%

Conical surface Flux(120deg): 424.52 lm

%lum = 77.0%

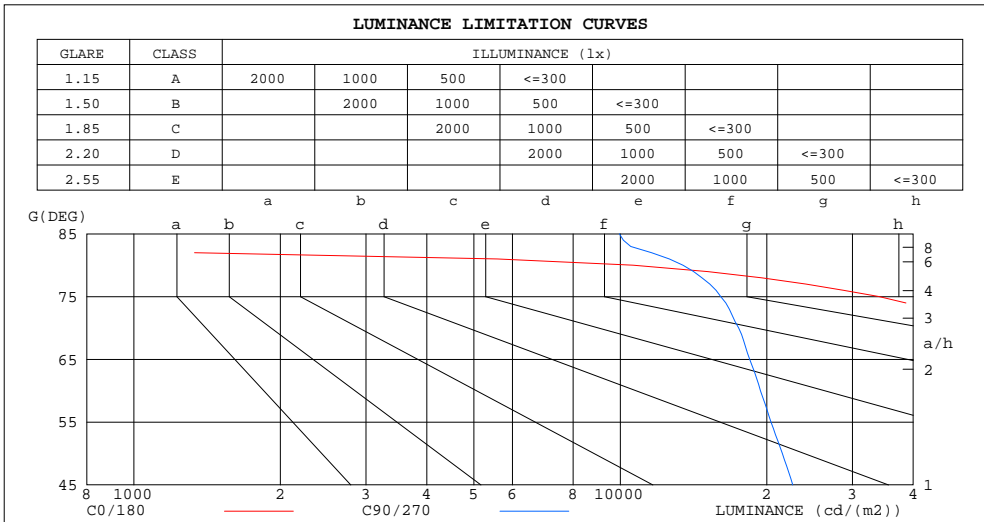
%lamp = 77.0%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Meng Yongjian
Test Date:2017-05-16

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:220.8V I:0.0656A P:12.43W PF:0.9636 Freq:49.90Hz Lamp Flux:551.209x1 lm		
NAME: FW5-11W-940	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L153mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	421	9956
80	10623	13453
75	34025	16084
70	57720	17504
65	70632	18449
60	68560	19408
55	60649	20408
50	52826	21530
45	46893	22621

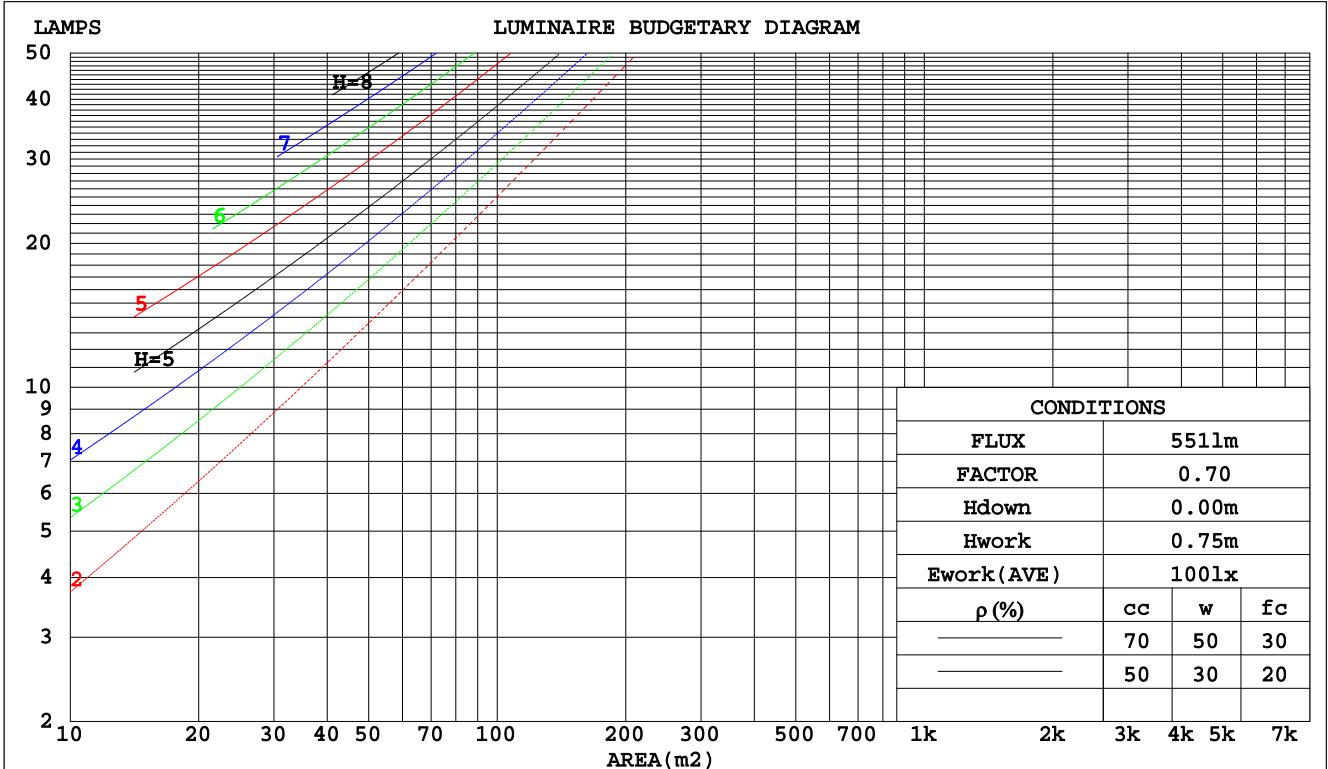
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Meng Yongjian
 Test Date:2017-05-16

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:220.8V I:0.0656A P:12.43W PF:0.9636 Freq:49.90Hz Lamp Flux:551.209x1 lm		
NAME: FW5-11W-940	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																
pfc																
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	1.04	.00	.96	1.02	.98	.94	.97	.94	.91	.94	.91	.88	.90	.88	.86	.84
2.0	.90	.83	.77	.88	.82	.77	.85	.79	.75	.81	.77	.73	.78	.75	.71	.69
3.0	.79	.71	.64	.77	.70	.63	.74	.68	.62	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.68	.60	.54	.66	.59	.53	.63	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.45	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.40	.51	.45	.39	.50	.44	.39	.37
7.0	.51	.42	.35	.50	.41	.35	.48	.41	.35	.47	.40	.35	.45	.39	.35	.33
8.0	.46	.38	.32	.45	.37	.32	.44	.37	.31	.43	.36	.31	.42	.36	.31	.29
9.0	.42	.34	.28	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.25	.24



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Meng Yongjian
 Test Date: 2017-05-16

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:220.8V I:0.0656A P:12.43W PF:0.9636 Freq:49.90Hz Lamp Flux:551.209x1 lm		
NAME: FW5-11W-940	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	.308	.175	.055	.301	.172	.054	.287	.165	.053	.275	.159	.051	.264	.153	.049	
2.0	.294	.161	.049	.288	.158	.049	.276	.153	.048	.265	.149	.047	.255	.144	.045	
3.0	.273	.145	.044	.267	.143	.043	.257	.139	.042	.247	.136	.042	.238	.132	.041	
4.0	.252	.131	.038	.247	.129	.038	.238	.126	.038	.229	.123	.037	.221	.120	.037	
5.0	.233	.119	.034	.228	.117	.034	.220	.115	.034	.213	.112	.033	.206	.110	.033	
6.0	.216	.108	.031	.212	.107	.031	.204	.105	.030	.198	.103	.030	.191	.101	.030	
7.0	.200	.099	.028	.197	.098	.028	.190	.096	.028	.184	.095	.028	.179	.093	.027	
8.0	.187	.091	.026	.184	.091	.026	.178	.089	.025	.173	.087	.025	.167	.086	.025	
9.0	.175	.085	.024	.172	.084	.024	.167	.083	.023	.162	.081	.023	.157	.080	.023	
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.153	.076	.022	.149	.075	.021	

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	.180	.156	.135	.154	.134	.116	.105	.092	.080	.061	.053	.047	.019	.017	.015	
2.0	.173	.132	.098	.148	.114	.085	.101	.079	.059	.058	.046	.035	.019	.015	.011	
3.0	.165	.114	.074	.141	.099	.064	.097	.069	.045	.056	.040	.026	.018	.013	.009	
4.0	.158	.101	.058	.135	.087	.050	.093	.061	.035	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.047	.129	.078	.041	.089	.055	.029	.051	.032	.017	.017	.011	.006	
6.0	.143	.082	.039	.123	.071	.034	.085	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.136	.075	.033	.117	.065	.029	.081	.046	.020	.047	.027	.012	.015	.009	.004	
8.0	.129	.070	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.015	.008	.003	
9.0	.123	.065	.025	.106	.056	.022	.074	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.118	.060	.022	.101	.052	.019	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Meng Yongjian
 Test Date:2017-05-16

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:220.8V I:0.0656A P:12.43W PF:0.9636 Freq:49.90Hz Lamp Flux:551.209x1 lm		
NAME: FW5-11W-940	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	32.0	33.5	32.3	33.7	33.9	27.4	28.9	27.7	29.1	29.3
3H	34.1	35.5	34.4	35.7	36.0	28.8	30.3	29.1	30.5	30.7
4H	34.4	35.7	34.7	36.0	36.3	29.4	30.8	29.7	31.0	31.3
6H	34.4	35.7	34.7	35.9	36.2	29.8	31.1	30.1	31.3	31.6
8H	34.3	35.6	34.7	35.9	36.1	29.9	31.1	30.2	31.4	31.7
12H	34.3	35.5	34.6	35.8	36.1	29.9	31.1	30.2	31.4	31.7
4H 2H	32.5	33.9	32.8	34.1	34.4	29.4	30.8	29.7	31.0	31.3
3H	34.8	36.0	35.1	36.2	36.6	31.1	32.3	31.5	32.6	32.9
4H	35.2	36.3	35.5	36.6	36.9	31.8	32.9	32.2	33.2	33.6
6H	35.2	36.2	35.6	36.5	36.9	32.3	33.3	32.7	33.6	34.0
8H	35.2	36.1	35.6	36.4	36.8	32.5	33.4	32.9	33.7	34.1
12H	35.1	35.9	35.5	36.3	36.7	32.5	33.3	32.9	33.7	34.1
8H 4H	35.3	36.2	35.7	36.6	37.0	32.5	33.4	32.9	33.8	34.2
6H	35.4	36.1	35.8	36.5	37.0	33.2	33.9	33.6	34.3	34.8
8H	35.4	36.0	35.8	36.4	36.9	33.4	34.1	33.9	34.5	34.9
12H	35.3	35.9	35.8	36.3	36.8	33.5	34.1	34.0	34.5	35.0
12H 4H	35.3	36.1	35.7	36.5	36.9	32.5	33.3	32.9	33.7	34.1
6H	35.4	36.1	35.9	36.5	36.9	33.2	33.9	33.7	34.3	34.7
8H	35.4	35.9	35.8	36.4	36.9	33.4	34.0	33.9	34.4	34.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				
2.0H	+ 0.8 / - 0.9					+ 0.4 / - 0.7				

CIE Pub.117, 551.2 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.1)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Meng Yongjian
 Test Date:2017-05-16

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:220.8V I:0.0656A P:12.43W PF:0.9636 Freq:49.90Hz Lamp Flux:551.209x1 lm		
NAME: FW5-11W-940	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L153mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

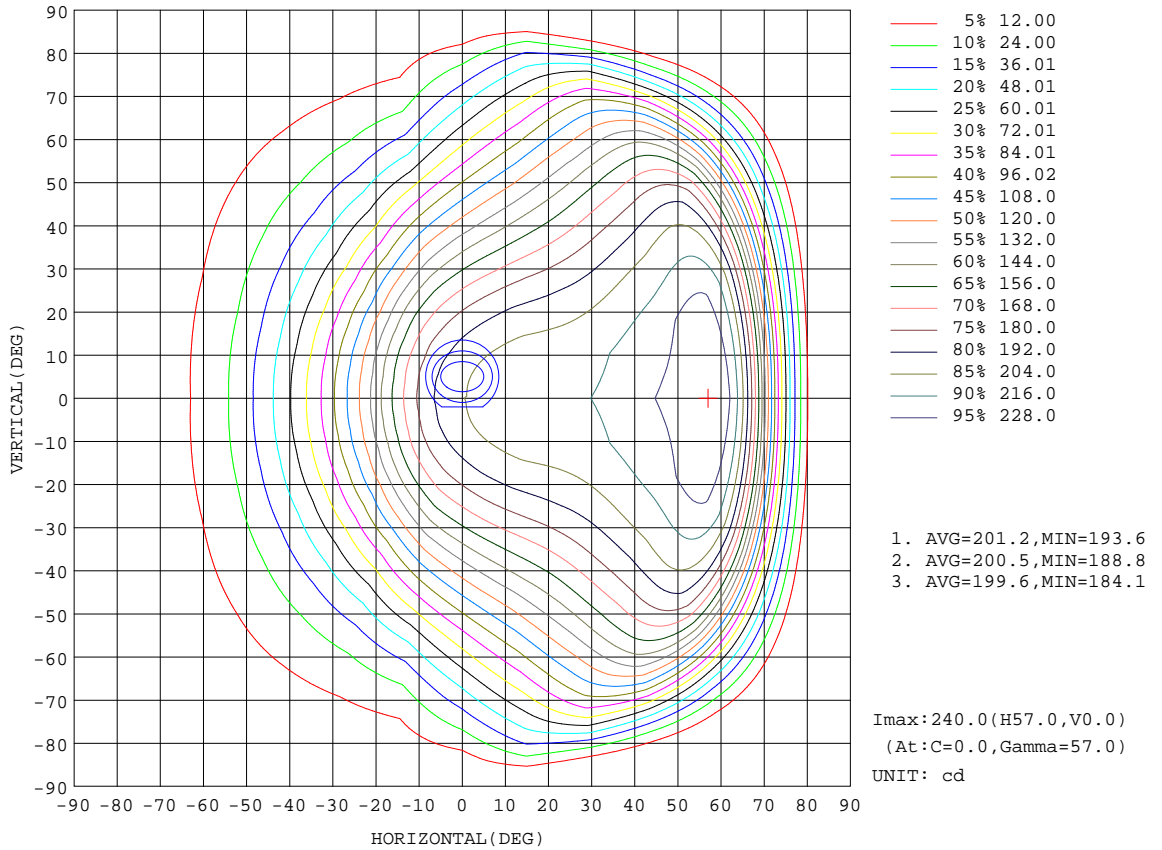
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	45	38	56	45	38	55	44	38	31
0.80	67	55	47	66	55	47	64	54	47	40
1.00	75	64	56	74	63	56	72	65	56	48
1.25	82	72	64	81	71	64	78	69	63	56
1.50	87	77	70	86	76	70	83	75	69	61
2.00	94	86	79	93	85	78	89	82	77	69
2.50	99	91	85	97	89	84	93	87	82	73
3.00	102	95	90	100	94	89	96	91	86	78
4.00	106	101	96	104	99	95	100	95	92	83
5.00	109	104	100	106	102	98	102	98	95	86
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:2017-05-16

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:

ISOCANDELA DIAGRAM

Test:U:220.8V I:0.0656A P:12.43W PF:0.9636 Freq:49.90Hz Lamp Flux:551.209x1 lm		
NAME: FW5-11W-940	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L153mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		



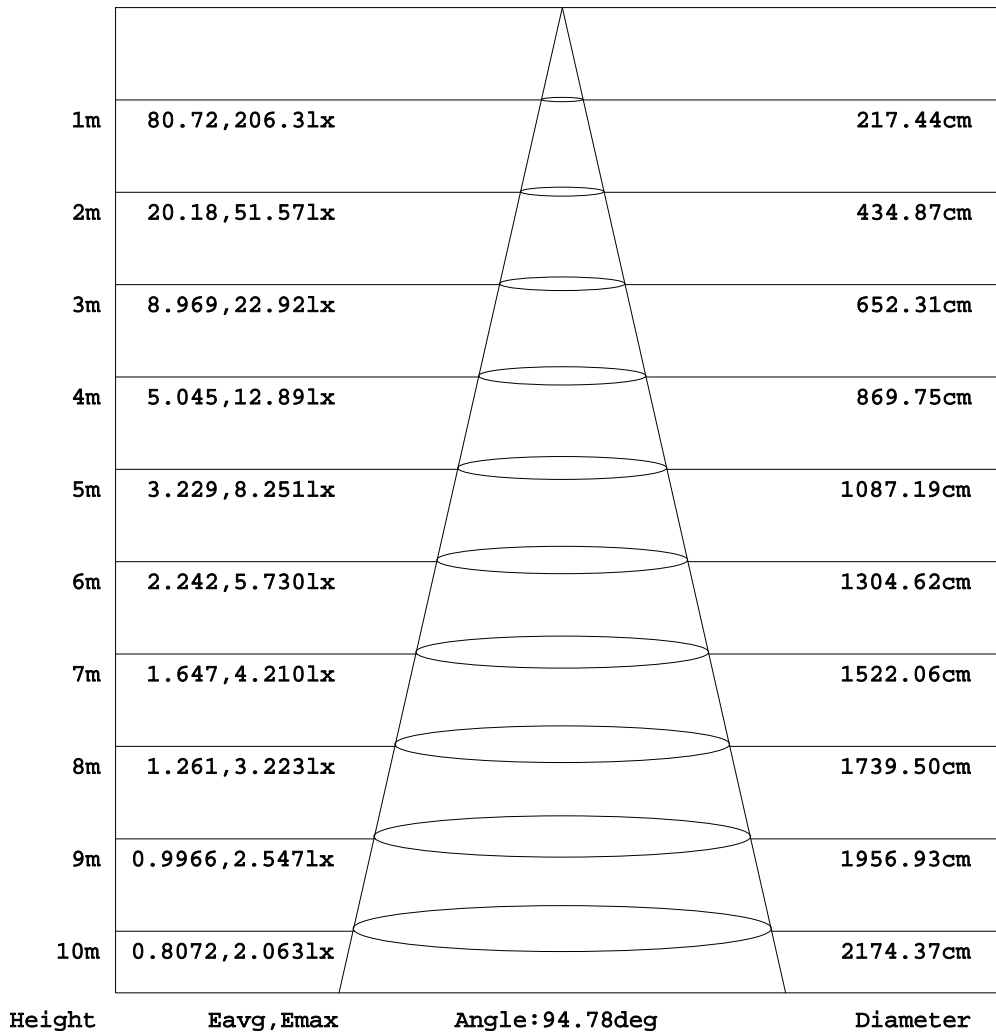
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Meng Yongjian
 Test Date: 2017-05-16

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:220.8V I:0.0656A P:12.43W PF:0.9636 Freq:49.90Hz Lamp Flux:551.209x1 lm		
NAME: FW5-11W-940	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L153mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

Flux out:312.8 lm



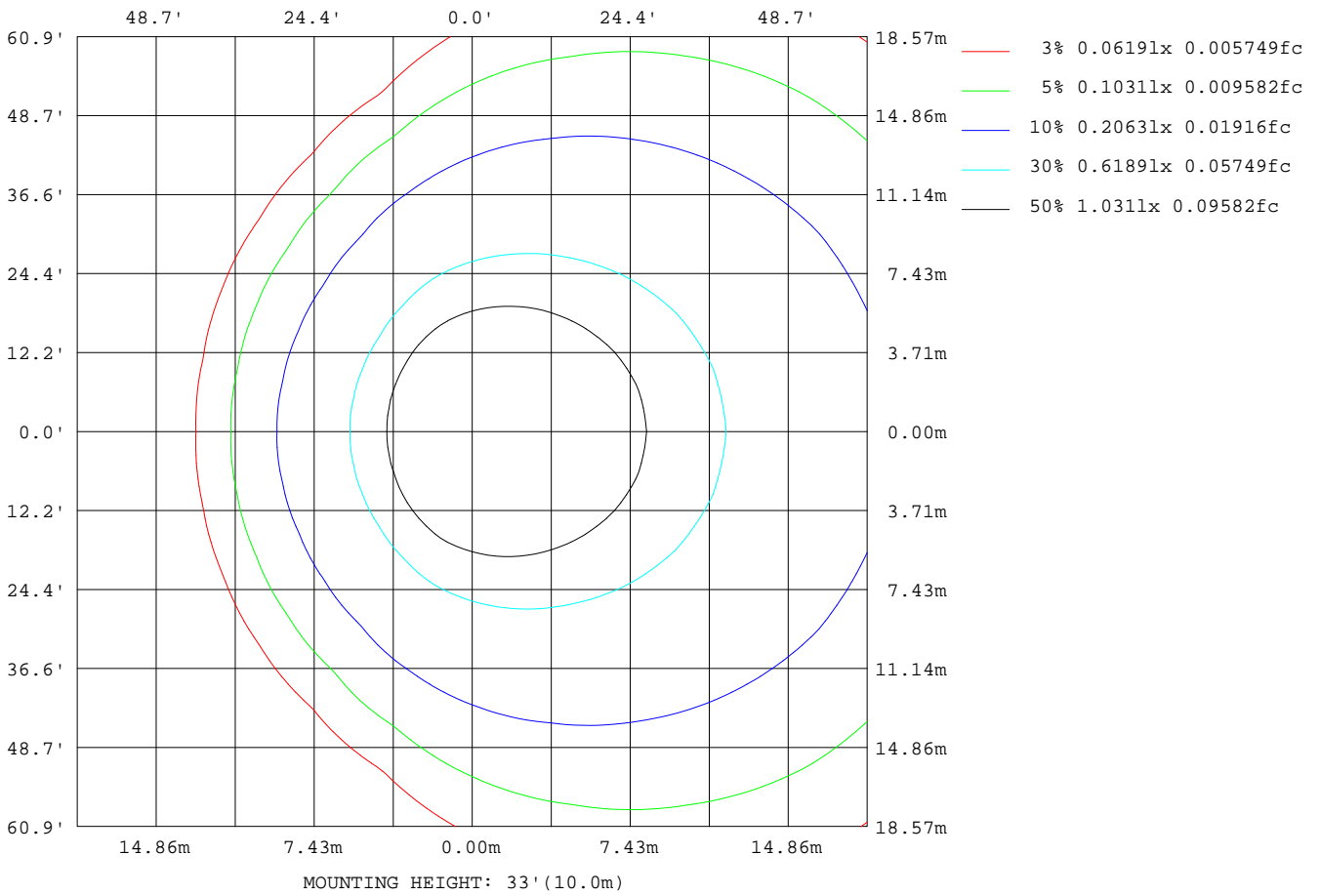
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Meng Yongjian
Test Date:2017-05-16

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:220.8V I:0.0656A P:12.43W PF:0.9636 Freq:49.90Hz Lamp Flux:551.209x1 lm		
NAME: FW5-11W-940	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:25.3DEG
Operators:Meng Yongjian
Test Date:2017-05-16

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:220.8V I:0.0656A P:12.43W PF:0.9636 Freq:49.90Hz Lamp Flux:551.209x1 lm		
NAME: FW5-11W-940	TYPE:Downlight	SERIAL No.:
SPEC.:4000K	DIM.: L153mm*W45mm*H60mm	
MFR.: NEKO LIGHTING AG		

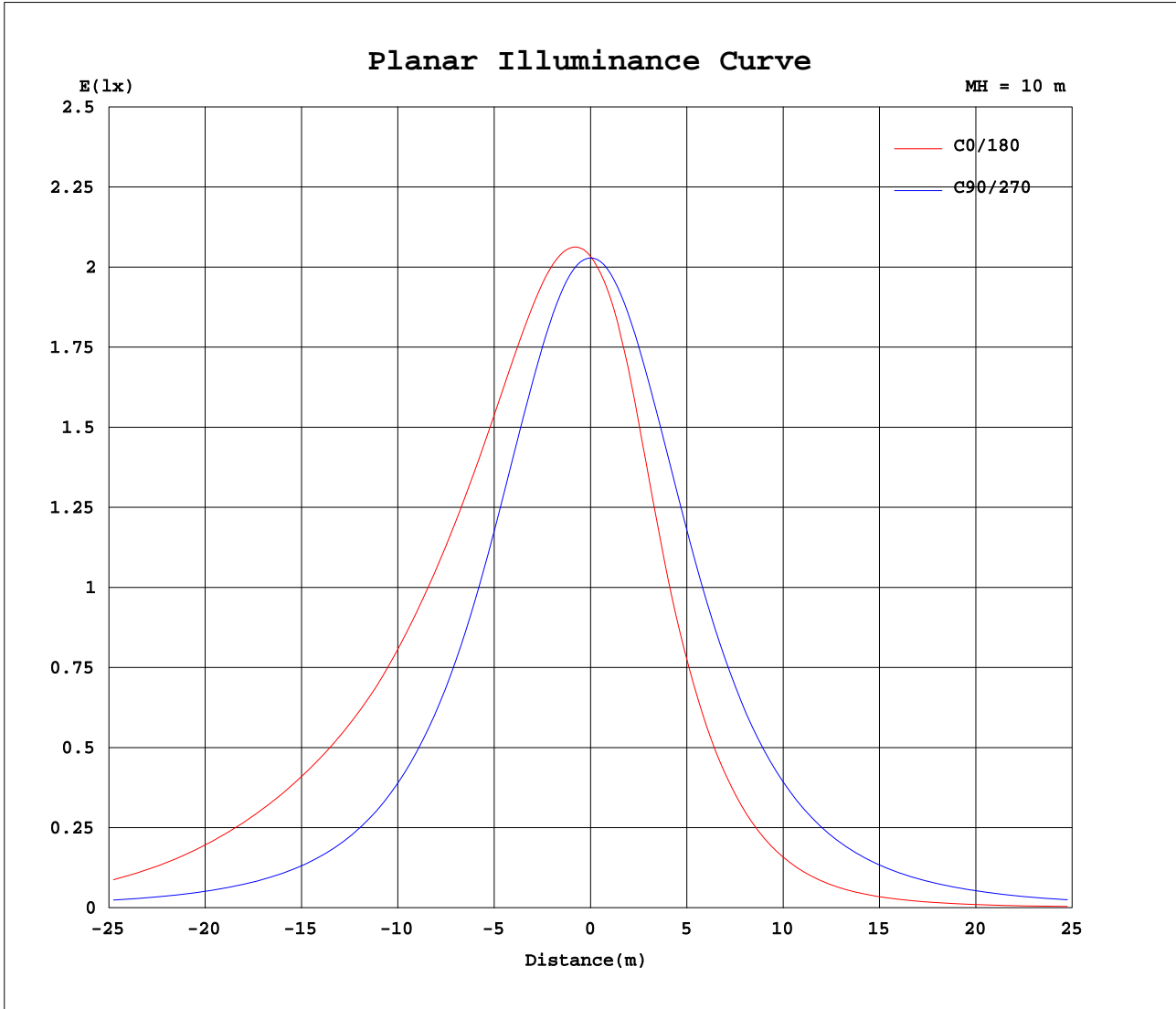
AvgL	cd/m2
L_0~180(65)av	37070
L_0~180(75)av	18276
L_0~180(85)av	1483
L_90~270(65)av	18749
L_90~270(75)av	16517
L_90~270(85)av	10522
L_45(65)av	29172
L_45(75)av	24916
L_45(85)av	2510

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Meng Yongjian
Test Date:2017-05-16

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:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Meng Yongjian
 Test Date: 2017-05-16

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.8V I:0.0656A P:12.43W PF:0.9636 Freq:49.90Hz Lamp Flux:551.209x1 lm		
NAME: FW5-11W-940	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	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203
5	209	208	208	207	205	203	202	200	198	197	195	195	195	195	196	197	198	200	202
10	212	211	210	208	205	201	197	194	190	187	184	182	182	182	185	187	191	194	197
15	214	213	211	207	202	196	190	185	179	172	166	162	162	162	167	172	179	184	190
20	214	213	209	204	197	189	180	173	163	153	144	139	138	139	145	153	163	172	181
25	215	213	208	200	190	180	168	158	144	131	121	116	115	116	121	131	145	158	169
30	216	214	206	195	182	169	155	142	124	109	100	95.6	94.4	95.7	100	109	124	141	155
35	219	216	205	190	173	157	140	124	104	89.2	80.6	76.8	75.9	76.8	80.7	89.0	104	124	141
40	224	219	205	186	164	145	125	106	84.5	71.2	63.6	60.2	59.2	59.9	63.8	71.1	84.7	106	126
45	228	222	206	182	156	132	110	88.6	67.2	55.8	48.8	45.7	44.7	45.4	49.0	55.5	67.9	89.1	111
50	234	226	205	177	147	120	95.3	71.6	52.2	42.6	36.6	33.4	32.4	33.3	36.8	42.4	52.7	72.0	96.4
55	240	230	205	172	138	107	80.6	55.2	39.4	31.8	26.7	23.6	22.5	23.5	26.9	31.7	39.8	55.4	82.0
60	236	228	202	165	128	94.8	66.8	40.8	28.7	23.1	19.1	16.4	15.3	16.3	19.4	23.0	29.0	41.0	68.5
65	206	203	185	153	116	82.0	53.7	28.6	20.4	16.5	13.6	11.2	10.2	11.2	13.8	16.4	20.6	28.8	55.4
70	136	141	140	128	101	68.7	41.2	18.9	13.9	11.5	9.48	7.72	6.91	7.76	9.67	11.5	14.1	19.0	42.9
75	60.6	65.2	72.9	82.3	79.3	54.3	28.7	11.8	9.12	7.72	6.41	5.11	4.50	5.12	6.55	7.73	9.30	11.9	30.2
80	12.7	15.5	20.6	30.6	41.4	38.1	16.1	6.73	5.53	4.67	3.95	3.26	2.89	3.28	4.04	4.65	5.63	6.83	17.4
85	0.25	0.32	0.45	0.73	6.18	14.6	5.97	3.14	2.68	2.39	2.04	1.71	1.53	1.72	2.06	2.33	2.69	3.10	6.65
90	0.07	0.08	0.10	0.10	0.10	0.10	0.42	0.39	0.50	0.52	0.52	0.48	0.49	0.49	0.47	0.47	0.38	0.27	0.12

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Meng Yongjian
 Test Date:2017-05-16

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.8V I:0.0656A P:12.43W PF:0.9636 Freq:49.90Hz Lamp Flux:551.209x1 lm		
NAME: FW5-11W-940	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	203	203	203	203	203													
5	203	205	206	207	208													
10	201	205	207	210	211													
15	196	202	207	210	213													
20	189	197	204	209	213													
25	180	191	200	208	213													
30	169	183	195	206	214													
35	157	174	191	206	216													
40	145	166	187	206	219													
45	133	157	183	206	223													
50	121	149	179	206	226													
55	109	140	173	206	231													
60	96.5	129	166	203	228													
65	83.7	117	154	186	202													
70	70.1	103	128	141	140													
75	55.3	79.2	79.9	73.2	65.2													
80	38.2	40.3	28.6	20.9	15.4													
85	13.0	5.28	0.58	0.37	0.29													
90	0.09	0.07	0.07	0.06	0.06													

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Meng Yongjian
 Test Date:2017-05-16

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: